

Page 1 of 24

# **EMC Test Report**

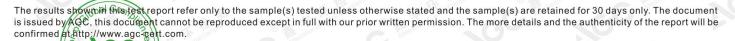
# Report No.: AGC05794180902EE01

PRODUCT DESIGNATION	:	Logo light up headphone
BRAND NAME	3	N/A
MODEL NAME	手が	24390
CLIENT	:	
DATE OF ISSUE	:	Oct. 09, 2018
STANDARD(S)	Ċ	EN 301 489-1 V2.2.0 (2017-03)(draft) EN 301 489-17 V3.2.0 (2017-03)(draft)
REPORT VERSION	:	V1.0

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

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#### **Report Revise Record**

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	1.C-	Oct. 09, 2018	Valid	Initial release

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# **1. TEST REPORT CERTIFICATION**

Applicant		C Allestation of Glov	B Thesaund Good	C Allestation
Address				
Manufacturer		1 and	-	The Complance
Address				
Factory			N	No.
Address				
Product Designation	Logo light up headphone	The the commune	F The Complete	C Alesalono
Brand Name	N/A	desider of C	Therease N	3
Test Model	24390	No	-011	-
Date of test	Sep. 19, 2018 to Sep. 26, 2018	う 小	Interior III	a Compliance
Deviation	None	C Attendion of God	C Allesator o	S
Condition of Test Sample	Normal		0	
Report Template	AGCRT-EC-BLE/EMC (2013-03-0	1)	The the THE	The Constant

We, Attestation of Global Compliance (Shenzhen) Co., Ltd., hereby certify that the submitted samples of the above item, as detailed in chapter 2.1 of this report, has been tested in our facility. The test record, data evaluation and test configuration represented herein are true and accurate accounts of measurements of the sample's EMC characteristics under the conditions herein specified. The test results of this report relate only to the tested sample identified in this report.

Tested By

Zhano Harry

Henry Zhang(Zhang Zhuorui) Sep. 26, 2018

we chang

**Reviewed By** 

Cool Cheng(Cheng Mengguo) Oct. 09, 2018

Forresto in

Approved By

Forrest Lei(Lei Yonggang) Authorized Officer

Oct. 09, 2018

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Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: agc@agc-cert.com @ 400 089 2118 Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China



# 2. GENERAL INFORMATION

# 2.1. DESCRIPTION OF EUT

The EUT is a short range, lower power, Bluetooth device.

It is designed by way of FHSS modulation achieves the system operating.

Details of technical specification refer to the description in follows:

Transmitter/Receiver (TX/RX)

Operating Frequency	2.402 GHz to 2.480GHz
Bluetooth Version	V5.0
Modulation	GFSK, π /4-DQPSK for BR/EDR
Hardware Version	V1.0
Software Version	V1.0
Antenna Type	PCB Antenna
Number of channels	79 for BR/EDR
Antenna Gain	1.5dBi
Power Supply	DC 3.7V by battery

Note: The EUT doesn't support 8DPSK and BLE.

#### 2.2. OBJECTIVE

Perform Electro Magnetic Interference (EMI) and Electro Magnetic Susceptibility (EMS) tests for CE Marking.

# 2.3. TEST STANDARDS AND RESULTS

The EUT has been tested according to ETSI EN 301 489-1 V2.2.0 (2017-03) and ETSI EN 301 489-17 V3.2.0(2017-03).

	ElectroMagnetic Compatibility (EMC)	
ETSI EN 204 490 4	standard for radio equipment and services;	
ETSI EN 301 489-1	Part 1: Common technical requirements;	
	Harmonised Standard covering the essential requirements	
	ElectroMagnetic Compatibility (EMC)	G C
ETSI EN 301 489-17	standard for radio equipment and services;	
	Part 17: Specific conditions for	
	Broadband Data Transmission Systems;	

Note: The standards applied in test are draft.

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No.	Basic Standard	Test Type	Result		
EMIS	EMISSION (EN 301 489-1 §7.1)				
1	EN 55032	Radiated emission	PASS		
2	EN 55032	Conducted emission, AC ports	N/A		
3	EN 55032	Conducted emission, Telecom ports	N/A		
4	EN 61000-3-2	Harmonic current emissions	N/A		
5	EN 61000-3-3	Voltage fluctuations & flicker	N/A		
IMM	UNITY (EN 301 489-1	§7.2)			
6	EN 61000-4-2	Electrostatic discharge immunity	PASS		
7	EN 61000-4-3	Radiated RF electromagnetic field immunity	PASS		
8	EN 61000-4-4	Electrical fast transient/burst immunity	N/A		
9	ISO 7637-1, -2	Transients and surges, DC ports	N/A		
10	EN 61000-4-5	Surge immunity, AC ports, Telecom ports	N/A		
11	EN 61000-4-6	Immunity to conducted disturbances induced by RF fields	N/A		
12	EN 61000-4-11	Voltage dips and short interruptions immunity	N/A		

# 2.4. TEST ITEMS AND THE RESULTS

#### Note:

1. N/A- Not Applicable.

2. The latest versions of basic standards are applied.

## 2.5. ENVIRONMENTAL CONDITIONS

During the measurement the environmental conditions were within the listed ranges:

- Temperature: 15℃-35°C
- Humidity: 30-60 %
- Atmospheric pressure: 86-106 kPa

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## **3. TEST MODE DESCRIPTION**

	TEST MODE DESCRIPTION		
NO.	EMI TEST MODE DESCRIPTION	WORST	
Gobal C	BT Link with charging	V	
S	AUX in with charging	- III - FL-ACON	
2	Standby with charging		
NO.	EMS TEST MODE DESCRIPTION		
1	BT Link with charging	The second se	
	AUX in with charging	The second course of the second courses	
2	Standby with charging		

Note:1. V means EMI worst mode

2. All modes have been tested and only the worst mode test data recorded in the test report.

I/O Port Information (Applicable

**Not Applicable** 

I/O Port of EUT						
I/O Port Type	Number	Cable Description	Tested With			
USB Port	1.	0.3m unshielded	1			
AUX in Port	1	1.0m unshielded	The Barnet 1			

# 4. MEASUREMENT UNCERTAINTY

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO.

- Uncertainty of Radiated Emission below 1GHz, Uc = ±3.9 dB

- Uncertainty of Radiated Emission above 1GHz, Uc = ±4.8 dB

# **5. SUPPORT EQUIPMENT**

Device Type	Manufacturer	Model Name	S/N	Data Cable	
IPOD	APPLE	A1367	N/A	0	
PC	APPLE	A1465	N/A	0	

Note: The PC was the charging device for EUT.

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# 6. IDENTIFICATION OF THE RESPONSIBLE TESTING LOCATION

Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	B112-B113, Building 12, Baoan Building Materials Center, No.1 of Xixiang Inner Ring Road, Baoan District, Shenzhen, Guangdong, P.R.China

## 7. TEST EQUIPMENT LIST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
Test Receiver	R&S	ESCI	10096	Jun.20, 2018	Jun.19, 2019
Antenna	SCHWARZBECK	VULB9168	D69250	Sep.28, 2017	Sep.27, 2018
HORN ANTENNA	ETS LINDGREN	3117	00034609	May 26, 2017	May 25, 2019
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec. 08, 2017	Dec. 07, 2018

#### TEST EQUIPMENT OF ESD TEST

Description	Manufacturer	Model No.	S/N	Calibration Date	Calibration Due.
ESD Simulator	Schaffner	NSG 438	782	Sep.20, 2018	Sep.19, 2019

#### TEST EQUIPMENT OF RS IMMUNITY TEST

Description	Manufacturer	Model	S/N	Cal. Date	Cal. Due
Signal Generator	R&S	E4421B	MY43351603	May 31, 2018	May 30, 2019
Biconilog Antenna	ETS	3142C	00060447	Mar.01, 2018	Feb.28, 2019
Power Sensor	R&S	URV5-Z4	100124	May 31, 2018	May 30, 2019
Power Meter	R&S	NRVD	832378/027	Jun.20, 2018	Jun.19, 2019
Power Amplifier	KALMUS	7100LC	04-02/17-06-001	Jun.20, 2018	Jun.19, 2019
RF Amplifier	Milmega	AS01004-5 5_55	1004793	Jun.20, 2018	Jun.19, 2019
Horn Antenna	ETS LINDGREN	3117	00034609	May 26, 2017	May 25, 2019

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#### 8. EMISSION TEST

#### 8.1. RADIATED DISTURBANCE MEASUREMENT

#### 8.1.1. LIMITS OF RADIATED DISTURBANCES

Limits for radiated disturbance 30M to1 GHz at a measurement distance of 3 m

Frequency range (MHz)	Quasi peak limits(dBuV/m),				
Frequency range (winz)	for Class B ITE, at 3m measurement distance				
30 - 230	40				
230 - 1000	47				

Limits for radiated disturbance above 1 GHz at a measurement distance of 3 m

	Limits (dBuV/m), Class B ITE				
Frequency range (MHz)	Peak	Average			
1000-3000MHz	70	50			
3000-6000MHz	74	54			

Notes:

1. The lower limit shall apply at the transition frequency.

2. Additional provisions may be required for cases where interference occurs.

#### 8.1.2. TEST PROCEDURE

(1). The EUT was placed on the top of an insulating table 0.8 meters above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

(2). The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

(3).The antenna is a broadband antenna, and its height is varied from 1 to 4 meter above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

(4). For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to the heights from 1 to 4 meters and the ratable table was turned from 0 degrees to 360 degrees to find the maximum reading.

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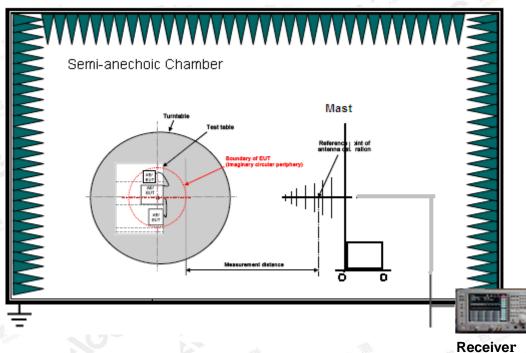




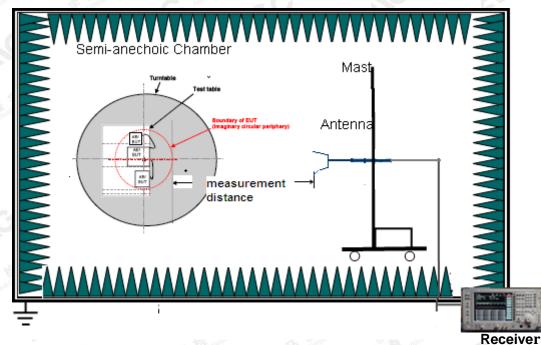
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8.1.3. BLOCK DIAGRAM OF TEST SETUP

#### Radiated Disturbance below 1 GHz



Radiated Disturbance above 1 GHz



For the actual test configuration, please refer to the related item-Photographs of the Test Configuration.

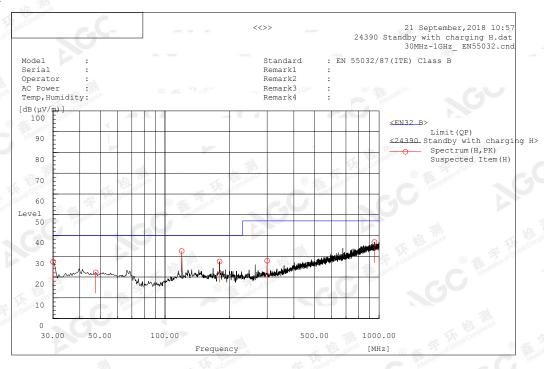
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## 8.1.4 TEST RESULT (mode 1)



#### RADIATED EMISSION BELOW 1GHz-HORIZONTAL

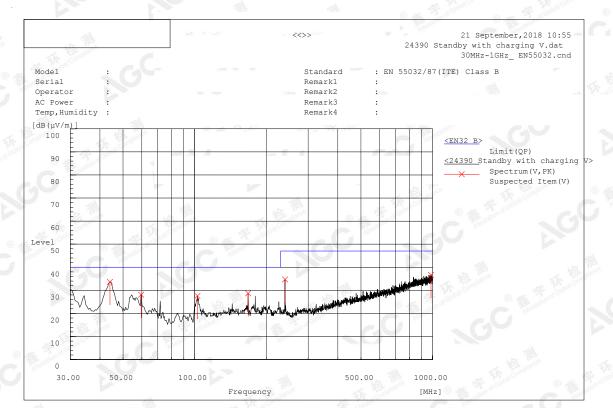
Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
30.000	Н	11.8	15.5	27.3	40.0	12.7	Pass	200.0	141.5
47.460	Н	5.0	17.2	22.2	40.0	17.8	Pass	200.0	287.8
119.725	Н	17.1	15.4	32.5	40.0	7.5	Pass	200.0	215.1
179.865	Н	12.8	14.6	27.4	40.0	12.6	Pass	150.0	215.1
300.145	H	10.4	17.4	27.8	47.0	19.2	Pass	150.0	106.0
951.500	The House House	6.1	30.7	36.8	47.0	10.2	Pass	200.0	215.1

#### **RESULT: PASS**

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#### RADIATED EMISSION BELOW 1GHz- VERTICAL

MHz   dB(uV)   (1/m)   PK   QP   dB   dB     44.065   V   16.4   17.3   33.7   40.0   6.3   Pass     59.585   V   11.9   16.2   28.1   40.0   11.9   Pass     102.750   V   13.8   13.8   27.6   40.0   12.4   Pass     167.740   V   12.6   16.1   28.7   40.0   11.3   Pass     240.005   V   18.6   16.2   34.8   47.0   12.2   Pass											
59.585   V   11.9   16.2   28.1   40.0   11.9   Pass     102.750   V   13.8   13.8   27.6   40.0   12.4   Pass     167.740   V   12.6   16.1   28.7   40.0   11.3   Pass     240.005   V   18.6   16.2   34.8   47.0   12.2   Pass	IN ALL		Polarization		dB	dB(uV/m)	dB(uV/m)		Pass/Fail	Height cm	Angle deg
102.750   V   13.8   13.8   27.6   40.0   12.4   Pass     167.740   V   12.6   16.1   28.7   40.0   11.3   Pass     240.005   V   18.6   16.2   34.8   47.0   12.2   Pass		44.065	V	16.4	17.3	33.7	40.0	6.3	Pass	200.0	92.0
167.740   V   12.6   16.1   28.7   40.0   11.3   Pass     240.005   V   18.6   16.2   34.8   47.0   12.2   Pass		59.585	v	11.9	16.2	28.1	40.0	11.9	Pass	200.0	92.0
240.005 V 18.6 16.2 34.8 47.0 12.2 Pass		102.750	v	13.8	13.8	27.6	40.0	12.4	Pass	100.0	286.6
	Q	167.740	v	12.6	16.1	28.7	40.0	11.3	Pass	100.0	69.7
984.965 V 5.7 31.0 36.7 47.0 10.3 Pass		240.005	v	18.6	16.2	34.8	47.0	12.2	Pass	150.0	107.4
	in a	984.965	v	5.7	31.0	36.7	47.0	10.3	Pass	200.0	92.0

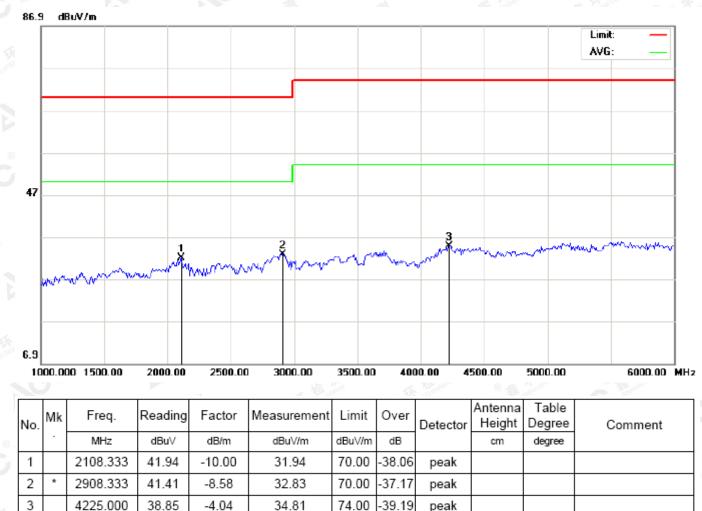
#### **RESULT: PASS**

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# RADIATED EMISSION ABOVE 1GHz - HORIZONTAL

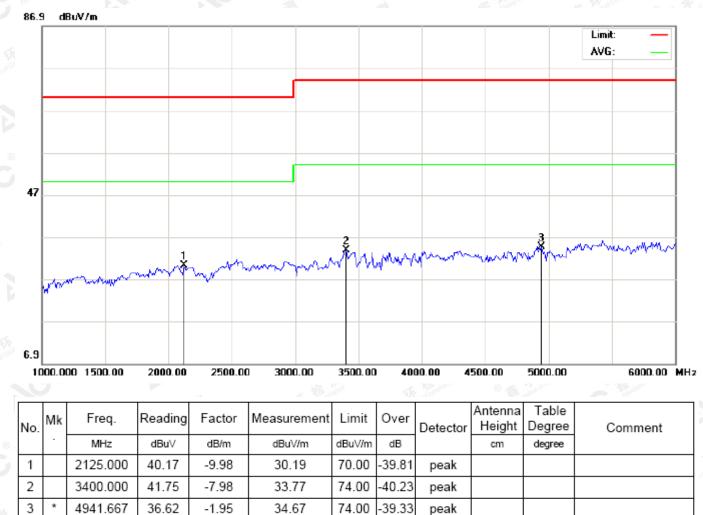
**RESULT: PASS** 

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#### RADIATED EMISSION ABOVE 1GHz - VERTICAL

**RESULT: PASS** 

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# 9. IMMUNITY TEST

# 9.1. GENERAL PERFORMANCE CRITERIA

## 1. Performance criteria for Continuous phenomena applied to Transmitter (CT)

The performance criteria A shall apply.

Tests shall be repeated with the EUT in standby mode (if applicable) to ensure that unintentional transmission does not occur. In systems using acknowledgement signals, it is recognized that an ACKnowledgement (ACK) or Not ACKnowledgement (NACK) transmission may occur, and steps should be taken to ensure that any transmission resulting from the application of the test is correctly interpreted.

## 2. Performance criteria for Transient phenomena applied to Transmitter (TT)

The performance criteria B shall apply, except for voltage dips of 100 ms and voltage interruptions of 5 000 ms duration, for which performance criteria C shall apply.

Tests shall be repeated with the EUT in standby mode (if applicable) to ensure that unintentional transmission does not occur. In systems using acknowledgement signals, it is recognized that an acknowledgement (ACK) or not-acknowledgement (NACK) transmission may occur, and steps should be taken to ensure that any transmission resulting from the application of the test is correctly interpreted.

## 3. Performance criteria for Continuous phenomena applied to Receiver (CR)

The performance criteria A shall apply.

Where the EUT is a transceiver, under no circumstances, shall the transmitter operate unintentionally during the test. In systems using acknowledgement signals, it is recognized that an ACK or NACK transmission may occur, and steps should be taken to ensure that any transmission resulting from the application of the test is correctly interpreted.

## 4. Performance criteria for Transient phenomena applied to Receiver (TR)

The performance criteria B shall apply, except for voltage dips of 100 ms and voltage interruptions of 5 000 ms duration for which performance criteria C shall apply.

Where the EUT is a transceiver, under no circumstances, shall the transmitter operate unintentionally during the test. In systems using acknowledgement signals, it is recognized that an ACK or NACK transmission may occur, and steps should be taken to ensure that any transmission resulting from the application of the test is correctly interpreted.

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# 9.2. ELECTROSTATIC DISCHARGE IMMUNITY TEST

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9.2.1 TEST SPECIFICATION	C St. Jond Co.	C Anestation of
Basic Standard	EN 61000-4-2	- [ ]
Discharge Impedance	330Ω / 150 pF	line.
Discharge Voltage	Air Discharge –8 kV , Contact Discharge – 4 kV	The the manage
Polarity	Positive / Negative	
Number of Discharge	Minimum 20 times at each test point	C C
Discharge Mode	Single discharge	
Discharge Period	1-second minimum	4

#### 9.2.2 TEST PROCEDURE

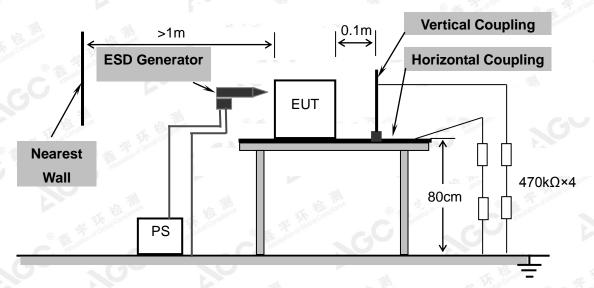
The test procedure was in accordance with EN 61000-4-2:

- a. Electrostatic discharges were applied only to those points and surfaces of the EUT that are accessible to users during normal operation.
- b. The test was performed with at least ten single discharges on the pre-selected points in the most sensitive polarity.
- c. The time interval between two successive single discharges was at least 1 second.
- d. The ESD generator was held perpendicularly to the surface to which the discharge was applied and the return cable was at least 0.2 meters from the EUT.
- e. Contact discharges were applied to the non-insulating coating, with the pointed tip of the generator penetrating the coating and contacting the conducting substrate.
- f. Air discharges were applied with the round discharge tip of the discharge electrode approaching the EUT as fast as possible (without causing mechanical damage) to touch the EUT. After each discharge, the ESD generator was removed from the EUT and re-triggered for a new single discharge. The test was repeated until all discharges were completed.
- g. At least ten single discharges (in the most sensitive polarity) were applied to the Horizontal Coupling Plane at points on each side of the EUT. The ESD generator was positioned vertically at a distance of 0.1 meters from the EUT with the discharge electrode touching the HCP.
- h. At least ten single discharges (in the most sensitive polarity) were applied to the center of one vertical edge of the Vertical Coupling Plane in sufficiently different positions that the four faces of the EUT were completely illuminated. The VCP (dimensions 0.5m×0.5m) was placed vertically to and 0.1 meters from the EUT.

The results spow(off finis) est report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.cont.com.

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For the actual test configuration, please refer to Appendix A : Photographs of the Test Configuration.

# 9.2.4 TEST RESULT

TEST PROCEDURE

Please refer to ETSI EN 301 489-1 Clause 9.3.2 and EN 61000-4-2 for the measurement methods.

_

Criteria	During Test	After Test
A	Shall operate as intended. May show degradation of performance (see note 1). Shall be no loss of function. Shall be no unintentional transmissions.	Shall operate as intended. Shall be no degradation of performance (see note 2). Shall be no loss of function. Shall be no loss of stored data or user programmable functions.
в	May show loss of function (one or more). May show degradation of performance (see note 1). No unintentional transmissions.	Functions shall be self-recoverable. Shall operate as intended after recovering. Shall be no degradation of performance (see note 2). Shall be no loss of stored data or user programmable functions.

**NOTE 1:** Degradation of performance during the test is understood as a degradation to a level not below a minimum performance level specified by the manufacturer for the use of the apparatus as intended. In some cases the specified minimum performance level may be replaced by a permissible degradation of performance. If the minimum performance level or the permissible performance degradation is not specified by the manufacturer then either of

these may be derived from the product description and documentation (including leaflets and advertising) and what the user may reasonably expect from the apparatus if used as intended.

**NOTE 2:** No degradation of performance after the test is understood as no degradation below a minimum performance level specified by the manufacturer for the use of the apparatus as intended. In some cases the specified minimum performance level may be replaced by a permissible degradation of performance. After the test no change of actual operating data or user retrievable data is allowed. If the minimum performance level or the permissible performance degradation is not specified by the manufacturer then either of these may be derived from the product description and documentation (including leaflets and advertising) and what the user may reasonably expect from the apparatus if used as intended.

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# **DESCRIPTION OF THE ELECTROSTATIC DISCHARGES (ESD)**

Amount of Discharges	Voltage	Coupling	Observation	performance	Result (Pass/Fail)
Mini 20 / Point	±2KV, ±4kV	Contact Discharge	No Function Loss	А	Pass
Mini 20 / Point	±2KV, ±4kV, ±8kV	Air Discharge	No Function Loss	А	Pass
Mini 20 / Point	±2KV, ±4kV	Indirect Discharge	No Function Loss	A	Pass
Mini 20 / Point	±2KV, ±4kV	Indirect Discharge VCP	No Function Loss	A	Pass

Note: operating mode include all modes of EMS in page 7



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#### 9.2.5. PERFORMANCE

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	permissible loss of performance.
Criteria B: ti	The apparatus continues to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. In some cases the performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.
	Temporary loss of function is allowed, provided the functions self recoverable or can be restored by the operation of controls.

FAIL

# **≥PASS**

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# 9.3. RADIATED, RADIO FREQUENCY ELECTROMAGNETIC FIELD IMMUNITY TEST

9.3.1 TEST SPECIFICATION	The second
Basic Standard	EN 61000-4-3
Frequency Range	80 MHz – 6000MHz
Field Strength	3V/m
Modulation	1 kHz sine wave, 80%, AM modulation
Frequency Step	1% of fundamental
Polarity of Antenna	Horizontal and Vertical
Test Distance	3m
Antenna Height	1.5m
Dwell Time	3 seconds

#### 9.3.2 TEST PROCEDURE

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The test procedure was in accordance with EN 61000-4-3.

- The testing was performed in a fully anechoic chamber. The transmit antenna was located at a distance of a. 3 meters from the EUT.
- The test signal was 80% amplitude modulated with a 1 kHz sine wave. b.
- The frequency range was swept from 80 MHz to 6000MHz with the exception of the exclusion band for C. transmitters, receivers and duplex transceivers. The rate of sweep did not exceed 1.5×10<sup>-3</sup> decade/s. Where the frequency range is swept incrementally, the step size was 1% of fundamental.
- The dwell time at each frequency shall be not less than the time necessary for the EUT to be able to d. respond.
- The field strength level was 3V/m. e.
- The test was performed with the EUT exposed to both vertically and horizontally polarized fields on each of the four sides.

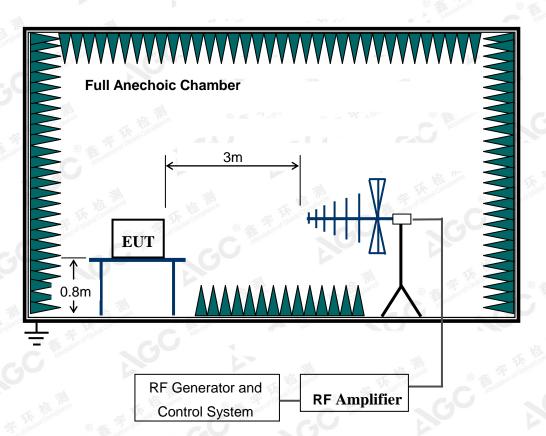
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9.3.3 TEST SETUP



For the actual test configuration, please refer to Appendix A : Photographs of the Test Configuration.

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# 9.3.4 TEST RESULT TEST PROCEDURE

Please refer to ETSI EN 301 489-1 Clause 9.2.2, ETSI EN 301 489-17 and EN 61000-4-3 for the

measurement methods.

#### **TEST RESULTS**

Criteria	During Test	After Test
A	Shall operate as intended. May show degradation of performance (see note 1). Shall be no loss of function. Shall be no unintentional transmissions.	Shall operate as intended. Shall be no degradation of performance (see note 2). Shall be no loss of function. Shall be no loss of stored data or user programmable functions.

**NOTE 1:** Degradation of performance during the test is understood as a degradation to a level not below a minimum performance level specified by the manufacturer for the use of the apparatus as intended. In some cases the specified minimum performance level may be replaced by a permissible degradation of performance.

If the minimum performance level or the permissible performance degradation is not specified by the manufacturer then either of these may be derived from the product description and documentation (including leaflets and advertising) and what the user may reasonably expect from the apparatus if used as intended.

**NOTE 2:** No degradation of performance after the test is understood as no degradation below a minimum performance level specified by the manufacturer for the use of the apparatus as intended. In some cases the specified minimum performance level may be replaced by a permissible degradation of performance. After the test no change of actual operating data or user retrievable data is allowed. If the minimum performance level or the permissible performance degradation is not specified by the manufacturer then either of these may be derived from the product description and documentation (including leaflets and advertising) and what the user may reasonably expect from the apparatus if used as intended.

Freq. Range (MHz)	Field	Modulation	Polarity	Position	Observation	performance	Result (Pass/Fail)
80-6000	3V/m	Yes	H/V	Front	No Function Loss	A	PASS
80-6000	3V/m	Yes	H/V	Back	No Function Loss	<b>C</b> A	PASS
80-6000	3V/m	Yes	H/V	Left	No Function Loss	A	PASS
80-6000	3V/m	Yes	H/V	Right	No Function Loss	A	PASS
80-6000	3V/m	Yes	H/V	Тор	No Function Loss	A	PASS
80-6000	3V/m	Yes	H/V	Bottom	No Function Loss	A	PASS

Note: operating mode include all modes of EMS in page 7

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#### 9.3.5. PERFORMANCE

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⊠Criteria A:	The apparatus continues to operate as intended. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. In some cases the performance level may be replaced by a permissible loss of performance.		
☐Criteria B:	The apparatus continues to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. In some cases the performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.		
Criteria C:	Temporary loss of function is allowed, provided the functions self recoverable or can be restored by the operation of controls.		

⊠PASS □FAIL

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# APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Refer to Attached file(appendix I)

# APPENDIX B: PHOTOGRAPHS OF EUT

Refer to Attached file(appendix I)

----END OF REPORT----

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