FCC TEST REPORT For

GIANT ALARM SYSTEM CO., LTD

Touch Switch

Test Model: JJ-TSAB-03

Additional Model No.: See more details at section 2.1

Prepared for : GIANT ALARM SYSTEM CO., LTD

Address : No.5 Mansion, Jingpin Park, Huinan Industry Zone,

Quanzhou, China

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd. : 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Address

Avenue, Bao'an District, Shenzhen, Guangdong, China

Tel : (+86)755-82591330 Fax : (+86)755-82591332 Web : www.LCS-cert.com

Mail : webmaster@LCS-cert.com

Date of receipt of test sample : October 28, 2015

Number of tested samples : 1

Sample number : 15102801

Date of Test : October 28, 2015~May 12, 2016

: May 12, 2016 Date of Report

FCC TEST REPORT FCC CFR 47 PART 15 Subpart B: 2015

Report Reference No.: LCS1510281478E

Date Of Issue.....: May 12, 2016

Testing Laboratory Name: Shenzhen LCS Compliance Testing Laboratory Ltd.

Address.....: 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue,

Bao'an District, Shenzhen, Guangdong, China

Testing Location/ Procedure: Full application of Harmonised standards

Partial application of Harmonised standards

Other standard testing method

Applicant's Name.....: GIANT ALARM SYSTEM CO., LTD

Address.....: No.5 Mansion, Jingpin Park, Huinan Industry Zone, Quanzhou,

China

Test Specification

Standard: FCC CFR 47 PART 15 Subpart B:2015, ANSI C63.4: 2014

Test Report Form No.: LCSEMC-1.0

TRF Originator.....: Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF : Dated 2011-03

Shenzhen LCS Compliance Testing Laboratory Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen LCS Compliance Testing Laboratory Ltd. is acknowledged as copyright owner and source of the material. Shenzhen LCS Compliance Testing Laboratory Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

Test Item Description.....: : Touch Switch

Trade Mark : N/A

Test Model: JJ-TSAB-03

Ratings: AC 110-250V, 50/60Hz

Result: Positive

Compiled by:

Supervised by:

Approved by:

Calvin Weng/ Administrators

Glin Lu/ Technique principal

Gavin Liang/ Manager

FCC TEST REPORT

May 12, 2016 **Test Report No.: LCS1510281478E** Date of issue

Test Model : JJ-TSAB-03 EUT....:: Touch Switch Applicant.....: : GIANT ALARM SYSTEM CO., LTD Address.....: No.5 Mansion, Jingpin Park, Huinan Industry Zone, Quanzhou, China Telephone.....: : / Fax....:: : / Manufacturer.....: : GIANT ALARM SYSTEM CO., LTD Address.....: : No.5 Mansion, Jingpin Park, Huinan Industry Zone, Quanzhou, Telephone.....: : / Fax....:: / Factory.....: GIANT ALARM SYSTEM CO., LTD Address.....: No.5 Mansion, Jingpin Park, Huinan Industry Zone, Quanzhou, China Telephone.....: : / Fax.....:: : /

| Test Result | Positive |
|-------------|----------|
|-------------|----------|

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

| Revision | Issue Date | Revisions | Revised By |
|----------|------------|---------------|-------------|
| 00 | 2016-05-12 | Initial Issue | Gavin Liang |
| | | | |
| | | | |

TABLE OF CONTENTS

| 1. SUMMARY OF STANDARDS AND RESULTS | 6 |
|---|----|
| 2. GENERAL INFORMATION | 7 |
| 2.1. Description of Device (EUT) | 7 |
| 2.2. Support Equipment List | |
| 2.3. External I/O | |
| 2.4. Description of Test Facility | |
| 2.5. Statement of the measurement uncertainty | |
| 2.6. List Of Measuring Equipments | 9 |
| 2.7. Measurement Uncertainty | 9 |
| 3. RADIATED EMISSION MEASUREMENT | 10 |
| 3.1. Block Diagram of Test Setup | 10 |
| 3.2. Radiated Emission Limits (Class B) | |
| 3.3. Operating Condition of EUT | |
| 3.4. Test Procedure | |
| 3.5. Test Results | 12 |
| 4. POWER LINE CONDUCTED EMISSIONS | 15 |
| 4.1. Block Diagram of Test Setup | 15 |
| 4.2. Power Line Conducted Emission Limits (Class B) | 15 |
| 4.3. Operating Condition of EUT | |
| 4.4. Test Procedure | 15 |
| 4.5. Test Results | 16 |

1. SUMMARY OF STANDARDS AND RESULTS

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

| EMISSION | | | | | | | |
|--|------------------------------------|---------|------|--|--|--|--|
| Description of Test Item | Limits | Results | | | | | |
| Conducted disturbance at mains terminals | FCC CFR 47 PART 15 Subpart B: 2015 | Class B | PASS | | | | |
| Radiated disturbance | FCC CFR 47 PART 15 Subpart B: 2015 | Class B | PASS | | | | |

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT : Touch Switch

Model Number : JJ-TS-01, JJ-TS-02, JJ-TS-03, JJ-TSA-01, JJ-TSA-02,

JJ-TSA-03, JJ-TSB-01, JJ-TSB-02, JJ-TSB-03, JJ-TSAB-01,

JJ-TSAB-02, JJ-TSAB-03, JJ-TSC-01, JJ-TSC-02,

JJ-TSC-03, JJ-US-01, JJ-US-02, JJ-US-03, JJ-USA-01,

JJ-USA-02, JJ-USA-03, JJ-USB-01, JJ-USB-02, JJ-USB-03,

JJ-USAB-01, JJ-USAB-02, JJ-USAB-03, JJ-USC-01,

JJ-USC-02, JJ-USC-03

Model Declaration : PCB board, structure and internal of the related model(s) are

the same, So no additional models were tested.

Test Model : JJ-TSAB-03

Hardware Version : V1.0

Software Version : V1.0

Power Supply : AC 110-250V, 50/60Hz

Receiving Frequency : 433.92MHz

Receiving Signal Type : ASK

Receiving Antenna : PCB Antenna

2.2. Support Equipment List

| Manufacturer | Description | Model | Serial Number | Certificate |
|--------------|-------------|-------|---------------|-------------|
| | | | | |

2.3. External I/O

| I/O Port Description | Quantity | Cable |
|-----------------------|----------|-------|
| Power Input Interface | 1 | N/A |

2.4. Description of Test Facility

CNAS Registration Number. is L4595.

FCC Registration Number. is 899208.

Industry Canada Registration Number. is 9642A-1.

VCCI Registration Number. is C-4260 and R-3804.

ESMD Registration Number. is ARCB0108.

UL Registration Number. is 100571-492.

TUV SUD Registration Number. is SCN1081.

TUV RH Registration Number. is UA 50296516-001

2.5. Statement of the measurement uncertainty

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

2.6. List Of Measuring Equipments

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Cal Date | Due Date | | |
|--|-------------------|---------------------------------|-------------|-----------------|--------------|--------------|--|--|
| EMC Receiver | R&S | ESCS 30 | 100174 | 9kHz – 2.75GHz | June 18,2015 | June 17,2016 | | |
| Signal analyzer | Agilent | 4448A(External mixers to 40GHz) | US44300469 | 9kHz~40GHz | July 16,2015 | July 15,2016 | | |
| LISN | SCHWARZBECK | LSK 8127 | N/A | 9KHz~30MHz | June 18,2015 | June 17,2016 | | |
| ISN | MESS Tec | NNB-2/16Z | 99079 | 9KHz-30MHz | June 18,2015 | June 17,2016 | | |
| LISN | EMCO | 3819/2NM | 9703-1839 | KHz-30MHz | June 18,2015 | June 17,2016 | | |
| RF Cable-CON | UTIFLEX | 3102-26886-4 | CB049 | 9KHz-30MHz | June 18,2015 | June 17,2016 | | |
| ISN | SCHAFFNER | ISN ST08 | 21653 | 9KHz-30MHz | June 18,2015 | June 17,2016 | | |
| 3m Semi Anechoic Chamber | SIDT FRANKONIA | SAC-3M | 3СН03-НҮ | 30M-1GHz 3m | June 18,2015 | June 17,2016 | | |
| Amplifier | SCHAFFNER | COA9231A | 18667 | 9kHz-2GHzz | June 18,2015 | June 17,2016 | | |
| Amplifier | Agilent | 8449B | 3008A02120 | 1GHz-26.5GHz | July 16,2015 | July 15,2016 | | |
| Amplifier | MITEQ | AMF-6F-260400 | 9121372 | 6.5GHz-40GHz | July 16,2015 | July 15,2016 | | |
| Spectrum Analyzer | Agilent | E4407B | MY41440292 | 9k-26.5GHz | July 16,2015 | July 15,2016 | | |
| Loop Antenna | R&S | HFH2-Z2 | 860004/001 | 9k-30MHz | June 18,2015 | June 17,2016 | | |
| By-log Antenna | SCHWARZBECK | VULB9163 | 9163-470 | 30MHz-1GHz | June 10,2015 | June 09,2016 | | |
| Horn Antenna | EMCO | 3115 | 6741 | 1GHz-18GHz | June 10,2015 | June 09,2016 | | |
| Horn Antenna | SCHWARZBECK | BHA9170 | BBHA9170154 | 15GHz-40GHz | June 10,2015 | June 09,2016 | | |
| RF Cable-R03m | Jye Bao | RG142 | CB021 | 30MHz-1GHz | June 18,2015 | June 17,2016 | | |
| RF Cable-HIGH | SUHNER | SUCOFLEX 106 | 03CH03-HY | 1GHz-40GHz | June 18,2015 | June 17,2016 | | |
| RF CABLE-1m | JYE Bao | RG142 | CB034-1m | 20MHz-7GHz | June 18,2015 | June 17,2016 | | |
| RF CABLE-2m | JYE Bao | RG142 | CB035-2m | 20MHz-1GHz | June 18,2015 | June 17,2016 | | |
| Note: All equipment through GRGT EST calibration | | | | | | | | |

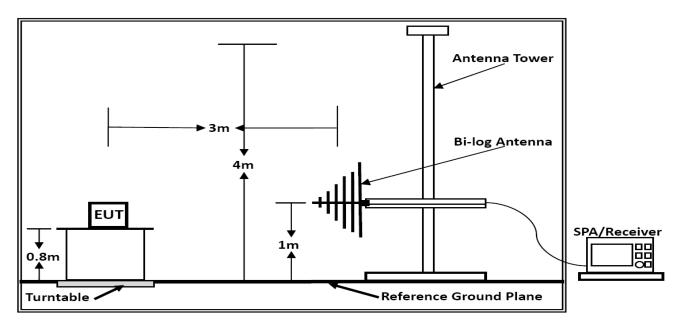
2.7. Measurement Uncertainty

| Test Item | | Frequency Range | Uncertainty | Note |
|------------------------|---|-----------------|-------------|------|
| Radiation Uncertainty | | 9KHz~30MHz | 3.10dB | (1) |
| | | 30MHz~200MHz | 2.96dB | (1) |
| | | 200MHz~1000MHz | 3.10dB | (1) |
| | | 1GHz~26.5GHz | 3.80dB | (1) |
| | | 26.5GHz~40GHz | 3.90dB | (1) |
| Conduction Uncertainty | : | 150kHz~30MHz | 1.63dB | (1) |
| Power disturbance | : | 30MHz~300MHz | 1.60dB | (1) |

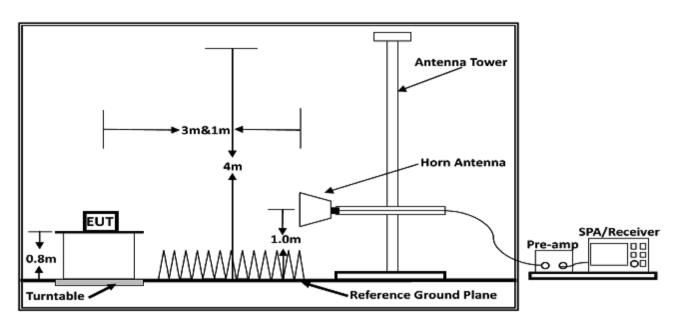
^{(1).} This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3. RADIATED EMISSION MEASUREMENT

3.1. Block Diagram of Test Setup



Below 1GHz



Above 1GHz

3.2. Radiated Emission Limits (Class B)

| Limits for radiated disturbance Below 1GHz | | | | | | |
|--|--------|------|----------|--|--|--|
| Frequency Distance Field Strengths Limit | | | | | | |
| MHz | Meters | μV/m | dB(μV)/m | | | |
| 30~88 | 3 | 100 | 40.0 | | | |
| 88~216 | 3 | 150 | 43.5 | | | |
| 216~960 | 3 | 200 | 46.0 | | | |
| 960~1000 | 3 | 500 | 54.0 | | | |

Remark : (1) Emission level (dB) μ V = 20 log Emission level μ V/m

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system

| Limits for radiated disturbance Above 1GHz | | | | | | |
|--|----------|---------------|---------------|--|--|--|
| Frequency Distance Field Strengths Limit | | | | | | |
| Frequency (MHz) | (Meters) | Average Limit | Peak Limit | | | |
| (MHZ) | | (dBµV/m) | $(dB\mu V/m)$ | | | |
| 1000-10 Harmonics 3 54 74 | | | | | | |
| Note: The lower limit applies at the transition frequency. | | | | | | |

3.3. Operating Condition of EUT

- (1) Setup the EUT as shown in Section 3.1.
- (2) Let the EUT work in test mode (Receiving Mode) and measure it.

3.4. Test Procedure

- 1) Configure the EUT according to ANSI C63.4:2014. 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 VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
- 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 value.

- 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.

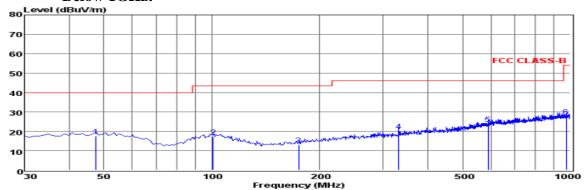
EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up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

3.5. Test Results

PASS.

The test data please refer to following page, only the worst test data was recorded.

Below 1GHz:



Env./Ins: EUT: M/N: Power Rating: Test Mode: Operator:

Memo:

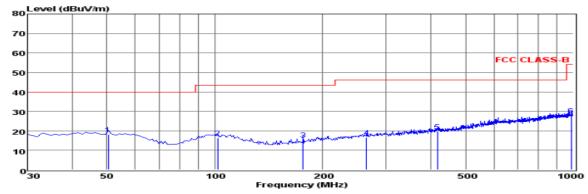
24℃/56% Touch Switch JJ-TSAB-03 AC 120V/60Hz \circ N

Leo RX

pol: HORIZONTAL

| | Freq | Reading | CabLos | Antfac | Measured | Limit | Over | Remark |
|---|--------|---------|--------|--------|----------|--------|--------|--------|
| | MHz | dBuV | dB | dB/m | dBuV/m | dBuV/m | dB | |
| 1 | 47.46 | 3.82 | 0.35 | 13.40 | 17.57 | 40.00 | -22.43 | QP |
| 2 | 100.81 | 3.52 | 0.60 | 13.09 | 17.21 | 43.50 | -26.29 | QP |
| 3 | 174.53 | 3.14 | 0.73 | 9.29 | 13.16 | 43.50 | -30.34 | QP |
| 4 | 331.67 | 5.24 | 1.11 | 13.79 | 20.14 | 46.00 | -25.86 | QP |
| 5 | 589.69 | 4.19 | 1.40 | 18.26 | 23.85 | 46.00 | -22.15 | QP |
| 6 | 974.78 | 4.16 | 1.85 | 21.58 | 27.59 | 54.00 | -26.41 | QP |

Note: 1. All readings are Quasi-peak values. 2. Measured= Reading + Antenna Factor + Cable Loss 3. The emission that ate 20db blow the offficial limit are not reported



Env./Ins: EUT: M/N: Power Rating: 24°C/56% Touch Switch JJ-TSAB-03 AC 120V/60Hz

Test Mode: ON Operator: Leo Memo: RXVERTICAL pol:

| | Freq | Reading | CabLos | Antfac | Measured | Limit | Over | Remark |
|---|--------|---------|--------|--------|----------|--------|--------|--------|
| | MHz | dBuV | dB | dB/m | dBuV/m | dBuV/m | dB | |
| 1 | 50.37 | 4.44 | 0.54 | 13.23 | 18.21 | 40.00 | -21.79 | QP |
| 2 | 101.78 | 2.82 | 0.60 | 13.00 | 16.42 | 43.50 | -27.08 | QP |
| 3 | 176.47 | 5.44 | 0.73 | 9.43 | 15.60 | 43.50 | -27.90 | QP |
| 4 | 264.74 | 3.54 | 1.03 | 12.20 | 16.77 | 46.00 | -29.23 | QP |
| 5 | 418.00 | 2.93 | 1.32 | 15.43 | 19.68 | 46.00 | -26.32 | QP |
| 6 | 985.45 | 4.30 | 1.97 | 21.65 | 27.92 | 54.00 | -26.08 | QP |

Note: 1. All readings are Quasi-peak values. 2. Measured= Reading + Antenna Factor + Cable Loss 3. The emission that ate 20db blow the offficial limit are not reported

Above 1GHz:

Note: Only recorded the worst test result for the worst test case(Input AC 120V/60Hz).

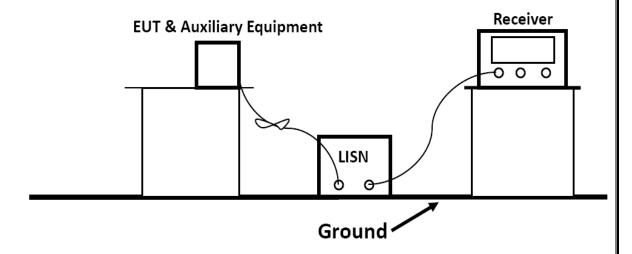
| Freq. MHz | Reading dBuV | Ant. Fac. dB/m | Pre. Fac. dB | Cab. Loss dB | Measured dBuV/m | Limit dBuV/m | Margin dB | Remark | Pol. H/V |
|--------------|--------------|----------------------|--------------------|--------------------|--------------------|-----------------|--------------|---------|-------------|
| 1302.00 | 41.61 | 26.42 | 37.01 | 1.66 | 32.68 | 74 | -41.32 | Peak | Н |
| 1302.00 | 30.47 | 26.42 | 37.01 | 1.66 | 21.54 | 54 | -32.46 | Average | Н |
| 1736.00 | 44.80 | 27.87 | 37.10 | 2.29 | 37.86 | 74 | -36.14 | Peak | Н |
| 1736.00 | 33.51 | 27.87 | 37.10 | 2.29 | 26.57 | 54 | -27.43 | Average | Н |
| 2170.00 | 40.24 | 29.57 | 36.94 | 3.56 | 36.43 | 74 | -37.57 | Peak | Н |
| 2170.00 | 29.53 | 29.57 | 36.94 | 3.56 | 25.72 | 54 | -28.28 | Average | Н |
| 2604.00 | 37.19 | 33.06 | 35.04 | 3.94 | 39.15 | 74 | -34.85 | Peak | Н |
| 2604.00 | 26.41 | 33.06 | 35.04 | 3.94 | 28.37 | 54 | -25.63 | Average | Н |
| 4826.00 | 40.12 | 36.35 | 36.78 | 5.14 | 44.83 | 74 | -29.17 | Peak | Н |
| 4826.00 | 28.77 | 36.35 | 36.78 | 5.14 | 33.48 | 54 | -20.52 | Average | Н |
| 1302.00 | 42.17 | 26.42 | 37.01 | 1.66 | 33.24 | 74 | -40.76 | Peak | V |
| 1302.00 | 31.61 | 26.42 | 37.01 | 1.66 | 22.68 | 54 | -31.32 | Average | V |
| 1736.00 | 44.89 | 27.87 | 37.10 | 2.29 | 37.95 | 74 | -36.05 | Peak | V |
| 1736.00 | 33.64 | 27.87 | 37.10 | 2.29 | 26.70 | 54 | -27.30 | Average | V |
| 2170.00 | 41.21 | 29.57 | 36.94 | 3.56 | 37.40 | 74 | -36.60 | Peak | V |
| 2170.00 | 30.18 | 29.57 | 36.94 | 3.56 | 26.37 | 54 | -27.63 | Average | V |
| 2604.00 | 38.15 | 33.06 | 35.04 | 3.94 | 40.11 | 74 | -33.89 | Peak | V |
| 2604.00 | 27.49 | 33.06 | 35.04 | 3.94 | 29.45 | 54 | -24.55 | Average | V |
| 4826.00 | 39.57 | 36.35 | 36.78 | 5.12 | 44.26 | 74 | -29.74 | Peak | V |
| 4826.00 | 30.11 | 36.35 | 36.78 | 5.12 | 34.80 | 54 | -19.20 | Average | V |

Notes:

- 1. Measuring frequencies from 9k~10th harmonic or 26.5GHz (which is less), No emission found between lowest internal used/generated frequency to 30MHz.
- 2. Radiated emissions measured in frequency range from 30MHz~10th harmonic or 26.5GHz (which is less) were made with an instrument using Peak detector mode.
- 3. The radiated emissions from 18GHz to 25GHz are at least 20dB below the official limit and no need to report.

4. POWER LINE CONDUCTED EMISSIONS

4.1. Block Diagram of Test Setup



4.2. Power Line Conducted Emission Limits (Class B)

| Frequency of Emission | Conducted Limit (dBuV) | | | | |
|-----------------------|------------------------|---------|--|--|--|
| (MHz) | Quasi-peak | Average | | | |
| 0.15~0.50 | 66-56 | 56-46 | | | |
| 0.50~5.00 | 56 | 46 | | | |
| 5.00~30.00 | 60 | 50 | | | |

^{***}Notes: (1) *Decreasing linearly with logarithm of frequency.

4.3. Operating Condition of EUT

- (1) Setup the EUT as shown in Section 4.1.
- (2) Turn on the power of all equipment.
- (3) Let the EUT work in test mode (Receiving Mode) and measure it.

4.4. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4-2014 on Conducted Emission Measurement. The bandwidth of test receiver is set at 9kHz.

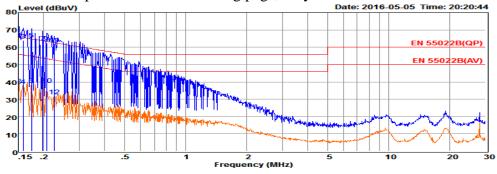
The frequency range from 150kHz to 30MHz is checked.

⁽²⁾ The lower limit shall apply at the transition frequencies.

4.5. Test Results

PASS.

The test data please refer to following page, only the worst test data was recorded.



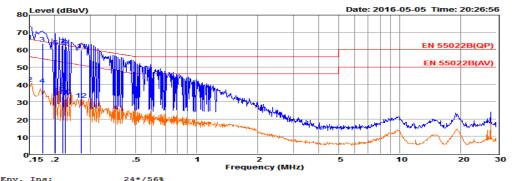
Env. Ins: EUT: M/N: Power Rating: Test Mode: Operator: Memo: Pol:

24*/56% TOUCH SWITCH AC 230V/50Hz On CHAZ

CHAZ

| | Freq | Reading | LisnFac | CabLos | Atten_Fac | Measured | Limit | Over | Remark |
|---|--|----------------------------------|------------------------------|------------------------------|-------------------------|----------------------------------|----------------------------------|------------------------------------|--------------------------------|
| | MHz | dBuV | dB | dB | dB | dBuV | dBuV | dB | |
| 3 | 0.15000 0.15010 0.15816 | 44.80 18.40 44.30 | 9.57 9.57 9.58 | 0.02 0.02 0.02 | 10.00 10.00 10.00 | 64.39 37.99 63.90 | 66.00 55.99 65.56 | -1.61 -18.00 -1.66 | QP Average QP |
| 5 | 0.15826 0.17399 0.17409 | 18.30 44.80 18.70 | 9.58 9.60 9.60 | 0.02 0.02 0.02 | 10.00 10.00 10.00 | 37.90 64.42 38.32 | 55.55 64.77 54.76 | -17.65 -0.35 -16.44 | Average QP Average |
| 8 | 0.19758 0.19768 0.20614 0.20624 | 43.10 18.60 42.89 18.59 | 9.63 9.63 9.63 9.63 | 0.02 0.02 0.03 0.03 | 10.00 10.00 10.00 | 62.75 38.25 62.55 38.25 | 63.71 53.71 63.36 53.36 | -0.96 -15.46 -0.81 -15.11 | QP Average QP Average |
| | 0.22556 0.22566 | 42.10 12.20 | 9.63 9.63 | 0.03 | 10.00 | 61.76 31.86 | 62.61 52.61 | -0.85 -20.75 | QP Average |

Remarks: 1. Measured = Reading + Lisn Factor +Cable Loss+Atten_Fac.
2. The emission levels that are 20dB below the official limit are not reported.



Env. Ins: EUT: M/N: Power Rating: Test Mode: Operator: Memo: Pol:

24*/56% TOUCH SWITCH AC 230V/50Hz On CHAZ

NEUTRAL

| | Freq | Reading | LisnFac | CabLos | Atten_Fac | Measured | Limit | Over | Remark |
|----|---------|---------|---------|--------|-----------|----------|-------|--------|---------|
| | MHz | dBuV | dB | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.15000 | 45.20 | 9.70 | 0.02 | 10.00 | 64.92 | 66.00 | -1.08 | QP |
| 2 | 0.15010 | 20.60 | 9.70 | 0.02 | 10.00 | 40.32 | 55.99 | -15.67 | Average |
| 3 | 0.17399 | 44.11 | 9.64 | 0.02 | 10.00 | 63.77 | 64.77 | -1.00 | QP |
| 4 | 0.17409 | 20.31 | 9.64 | 0.02 | 10.00 | 39.97 | 54.76 | -14.79 | Average |
| 5 | 0.20181 | 42.11 | 9.59 | 0.02 | 10.00 | 61.72 | 63.54 | -1.82 | QP |
| 6 | 0.20191 | 14.51 | 9.59 | 0.02 | 10.00 | 34.12 | 53.53 | -19.41 | Average |
| 7 | 0.21851 | 42.70 | 9.59 | 0.03 | 10.00 | 62.32 | 62.88 | -0.56 | QP |
| 8 | 0.21861 | 17.40 | 9.59 | 0.03 | 10.00 | 37.02 | 52.87 | -15.85 | Average |
| 9 | 0.22556 | 42.10 | 9.59 | 0.03 | 10.00 | 61.72 | 62.61 | -0.89 | QP |
| 10 | 0.22566 | 13.80 | 9.59 | 0.03 | 10.00 | 33.42 | 52.61 | -19.19 | Average |
| 11 | 0.27009 | 40.20 | 9.60 | 0.03 | 10.00 | 59.83 | 61.12 | -1.29 | QP |
| 12 | 0.27019 | 11.50 | 9.60 | 0.03 | 10.00 | 31.13 | 51.11 | -19.98 | Average |
| _ | | | | | | | | | |

Remarks: 1. Measured = Reading + Lisn Factor +Cable Loss+Atten_Fac.
2. The emission levels that are 20dB below the official limit are not reported.

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