

FCC Test Report

Report No.: AGC05888190403FE03

FCC ID YI6RL-R40

APPLICATION PURPOSE **Original Equipment**

PRODUCT DESIGNATION PIR ALARM KIT

BRAND NAME RL

RL-R40 **MODEL NAME**

CLIENT GUANGDONG ROULE ELECTRONICS CO., LTD

DATE OF ISSUE Apr. 30, 2019

STANDARD(S)

TEST PROCEDURE(S)

FCC Part 15 Subpart C Section 15.231

REPORT VERSION

Attestation of Global Compliance (Shenzhen) Co., Ltd

CAUTION:

This report shall not be reproduced except in full without the written permission of the test laboratory and shall not be quoted out of context.



The results shown this test 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 💢 🗲, 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-gert.com.

Attestation of Global Compliance

Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: agc@agc-cert.com



Page 2 of 24

Report Revise Record

| Report Version | Revise Time | Issued Date | Valid Version | Notes |
|----------------|-------------|---------------|---------------|-----------------|
| V1.0 | | Apr. 30, 2019 | Valid | Initial release |

The results showed this jest 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 100°C, 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 although the confirmed at all the

Attestation of Global Compliance

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



TABLE OF CONTENTS

| 1. VERIFICATION OF CONFORMITY | |
|---------------------------------------|----|
| 2. GENERAL INFORMATION | 5 |
| 2.1. PRODUCT DESCRIPTION | 5 |
| 3. MEASUREMENT UNCERTAINTY | |
| 4. DESCRIPTION OF TEST MODES | |
| 5. SYSTEM TEST CONFIGURATION | 7 |
| 5.1. CONFIGURATION OF EUT SYSTEM | 7 |
| 5.2. EQUIPMENT USED IN EUT SYSTEM | |
| 5.3. SUMMARY OF TEST RESULTS | 7 |
| 6. TEST FACILITY | |
| 7. TEST EQUIPMENT LIST | 8 |
| 8. PROVISION FOR MOMENTARY OPERATION | |
| 8.1 MEASUREMENT PROCEDURE | |
| 8.2 TEST SETUP | |
| 8.3 TEST RESULT | 10 |
| 9. DUTY CYCLE CORRECTION FACTOR | 11 |
| 9.1 MEASUREMENT PROCEDURE | |
| 9.2 TEST SETUP | |
| 9.3 TEST RESULT | |
| 10. RADIATED EMISSION | 12 |
| 10.1. MEASUREMENT PROCEDURE | |
| 10.2. TEST SETUP | 14 |
| 10.3. TEST RESULT | |
| 11. BANDWIDTH | |
| 11.1. MEASUREMENT PROCEDURE | |
| 11.2. TEST SETUP | |
| 11.3. TEST RESULT | |
| APPENDIX A: PHOTOGRAPHS OF TEST SETUP | 19 |
| | |

The results showing this jest 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 1000, 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.gett.com.



Page 4 of 24

1. VERIFICATION OF CONFORMITY

| II VEIGH TO/THOM OF OC | | | |
|--------------------------|--|--|--|
| Applicant | GUANGDONG ROULE ELECTRONICS CO., LTD. | | |
| Address | No. 12, Pingdong 3rd Road, Nanping Industry Community, Zhuhai City, GuangDong, China | | |
| Manufacturer | GUANGDONG ROULE ELECTRONICS CO., LTD. | | |
| Address | No. 12, Pingdong 3rd Road, Nanping Industry Community, Zhuhai City, GuangDong, China | | |
| Factory | GUANGDONG ROULE ELECTRONICS CO., LTD. | | |
| Address | No. 12, Pingdong 3rd Road, Nanping Industry Community, Zhuhai City, GuangDong, China | | |
| Product Designation | PIR ALARM KIT | | |
| Brand Name | RL The state of th | | |
| Test Model | RL-R40 | | |
| Test Model Description | Transmitter of the RL-9830G4, RL-9830G, RL-9830G1. | | |
| Date of test | Apr. 24, 2019 to Apr. 30, 2019 | | |
| Deviation | None | | |
| Condition of Test Sample | Normal | | |
| Test Result | Pass | | |
| Report Template | AGCRT-US-BR/RF | | |
| | | | |

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, the energy emitted by the sample tested as described in this report is in compliance with the requirements of FCC Rules Part 15.231. The test results of this report relate only to the tested sample identified in this report.

| Tested By | Draven | di |
|-------------|--|---------------|
| | Draven Li(Li Ming Liang) | Apr. 30, 2019 |
| Reviewed By | Max 2h | any |
| | Max Zhang(Zhang Yi) | Apr. 30, 2019 |
| Approved By | Fowers | ei GC |
| | Forrest Lei(Lei Yonggang) Authorized Officer | Apr. 30, 2019 |

The results showing this jest 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 40°C, 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 attp://www.agc.go.tt.com.



Page 5 of 24

2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

| Operation Frequency | 433.995MHz |
|---------------------|----------------------|
| Field Strength(3m) | 78.44dBuV/m(Peak)@3m |
| Modulation | ASK |
| Number of channels | |
| Hardware Version | RL-R40 |
| Software Version | V1.0 |
| Antenna Designation | PCB antenna |
| Antenna Gain | 0dBi |
| Power Supply | DC 3V by battery |

The results showed this jest 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 1000, 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 attp://www.agc.gett.com.



Page 6 of 24

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%.

- Uncertainty of Conducted Emission, Uc = ±3.2 dB
- Uncertainty of Radiated Emission below 1GHz, Uc = ±3.9 dB
- Uncertainty of Radiated Emission above 1GHz, Uc = ±4.8 dB
- Uncertainty of Occupied Channel Bandwidth: Uc = ±2 %

The results spowed this jest 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 40°C, 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 attp://www.ago.go.tt.com.



age 7 of 24

4. DESCRIPTION OF TEST MODES

| NO. | TEST MODE DESCRIPTION | | |
|-------------------------|-----------------------|-------------|--|
| o Sabella (Sabella Cook | Transmitting mode | 校 测 | |
| N 1 4 0 3/10" | | Z. W. COUNT | |

Note

- 1. All the test modes can be supply by new battery, and only the data of the worst case recorded in the test report.
- 2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

5. SYSTEM TEST CONFIGURATION

5.1. CONFIGURATION OF EUT SYSTEM

Configure 1:

EUT

5.2. EQUIPMENT USED IN EUT SYSTEM

| Item | Equipment | Mfr/Brand | Model/Type No. | Remark |
|------|---------------|-----------|----------------|--------|
| 1 1 | PIR ALARM KIT | RL | RL-R40 | EUT |

5.3. SUMMARY OF TEST RESULTS

| FCC RULES | DESCRIPTION OF TEST | RESULT |
|----------------------|---|-----------|
| §15.203 | Antenna Requirement | Compliant |
| §15.231(a)(2) | Activated automatically | Compliant |
| §15.231(b) | Average Factor | N/A |
| §15.231(e) & §15.209 | Field Strength of Fundamental and Spurious Emission | Compliant |
| §15.231(c) | Bandwidth | Compliant |

The results showing this jest 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 40°C, 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 attp://www.agc.gent.com.



Page 8 of 24

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 | | |

7. TEST EQUIPMENT LIST

TEST EQUIPMENT OF RADIATED EMISSION TEST

| Equipment | Manufacturer | Model | S/N | Cal. Date | Cal. Due |
|--------------------------------------|----------------|----------|------------|---------------|---------------|
| TEST RECEIVER | R&S | ESCI | 10096 | Jun. 12, 2018 | Jun. 11, 2019 |
| EXA Signal Analyzer | Aglient | N9010A | MY53470504 | Dec. 20, 2018 | Dec. 19, 2019 |
| Attenuator | Weinachel Corp | 58-30-33 | N/A | Jun. 12, 2018 | Jun. 11, 2019 |
| Active loop antenna (9K-30MHz) | ZHINAN | ZN30900C | 18051 | Jun. 14, 2018 | Jun. 13, 2020 |
| Double-Ridged Waveguide Horn | ETS LINDGREN | 3117 | 00034609 | May. 26, 2018 | May. 25, 2020 |
| Broadband Preamplifier | ETS LINDGREN | 3117PA | 00225134 | Oct. 25, 2018 | Oct. 24, 2019 |
| ANTENNA | SCHWARZBECK | VULB9168 | D69250 | Sep. 28, 2017 | Sep. 27, 2019 |

The results showing this jest 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 100°C, 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.gett.com.



Page 9 of 24

8. PROVISION FOR MOMENTARY OPERATION

8.1 MEASUREMENT PROCEDURE

1. Set the parameters of SPA as below:

Centre frequency = Operation Frequency

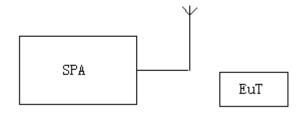
RBW=1MHz, VBW=3MHz

Span: 0Hz

Sweep time: 1000S

- Set the EUT to transmit activated automatically. Use the "View" function of SPA to find the transmission time of being released.
- 3. Record the data and Reported.

8.2 TEST SETUP



The results spowed this jest 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 40°C, 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 attp://www.ago.go.tt.com.



8.3 TEST RESULT

Test Mode: EUT @ 433.995MHz for RF Transmitter

| Kil plance | The time of stopping transmission | Limit (s) |
|------------|-----------------------------------|-----------|
| Ve Cour | 2.228 | 5.00 |



RESULT: PASS

The results shown this jest 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 attp://www.agc.gent.com.

Attestation of Global Compliance



Page 11 of 24

9. DUTY CYCLE CORRECTION FACTOR

9.1 MEASUREMENT PROCEDURE

1. Set the parameters of SPA as below:

Centre frequency = Operation Frequency

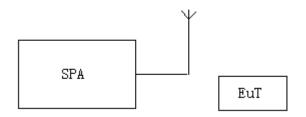
RBW=1MHz; VBW=3MHz

Span: 0Hz

Sweep time: more than two pulse trains or more than each type of pulse occupancy time

- 2. Set the EUT to transmit by manually operated. Use the "Delta mark" function of SPA to find the period time between two pulse trains and each type of pulse occupancy time.
- 3. Record the plots and Reported.

9.2 TEST SETUP



9.3 TEST RESULT

Note: The level of the peak emission are less than the average limit, so the average factor need not to be tested

The results spowed this jest 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 40°C, 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 attp://www.agc.go.tt.com.



Page 12 of 24

10. RADIATED EMISSION

10.1. 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.
- 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. 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.
- 0. 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.

The results shown this jest 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 💢 Ĉ, this documant be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc-cett.com.



Page 13 of 24

The following table is the setting of spectrum analyzer and receiver.

| | 31111 | |
|------------|-----------------------|---|
| | Spectrum Parameter | Setting |
| K Mallance | Start ~Stop Frequency | 9KHz~150KHz/RBW 200Hz for QP |
| 8 | Start ~Stop Frequency | 150KHz~30MHz/RBW 9KHz for QP |
| CO | Start ~Stop Frequency | 30MHz~1000MHz/RBW 120KHz for QP |
| 手乐 | Start ~Stop Frequency | 1GHz~26.5GHz 1MHz/1MHz for Peak, 1MHz/10Hz for Average |

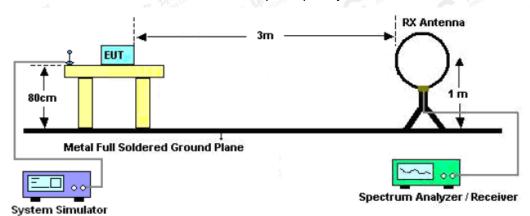
| 0 111 |
|---------------------------------|
| Setting |
| 9KHz~150KHz/RBW 200Hz for QP |
| 150KHz~30MHz/RBW 9KHz for QP |
| 30MHz~1000MHz/RBW 120KHz for QP |
| |

The results showing this jest 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 1000, 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.gett.com.

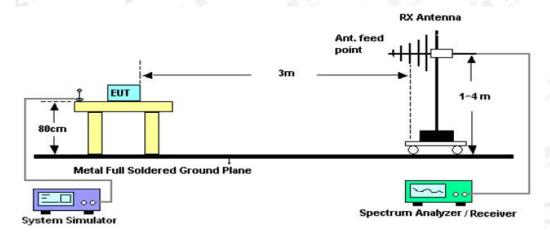


10.2. TEST SETUP

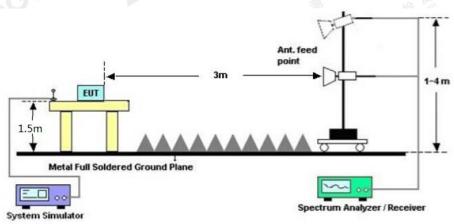
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



The results showing this jest 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 ACC, 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 attp://www.agc.gent.com.



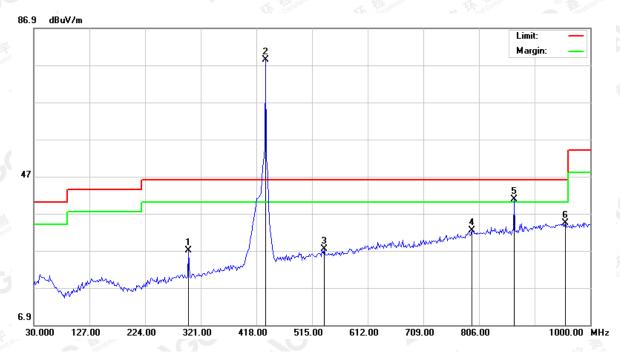
Page 15 of 24

10.3. TEST RESULT

Test Mode: EUT @ 433.995MHz for RF Transmitter RADIATED EMISSION BELOW 30MHz

No emission found between lowest internal used/generated frequencies to 30MHz.

RADIATED EMISSION BELOW 1GHZ-Horizontal



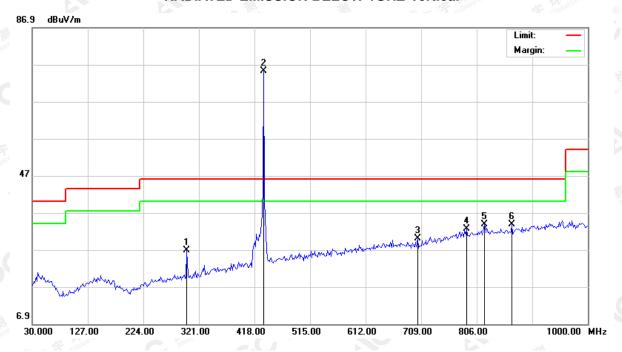
| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | • | MHz | dBuV | dBuV/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 299.9833 | 7.50 | 19.47 | 26.97 | 46.00 | -19.03 | peak | | | |
| 2 | * | 433.9950 | 54.77 | 23.67 | 78.44 | 80.80 | -2.36 | peak | | | |
| 3 | | 536.0167 | 1.65 | 25.70 | 27.35 | 46.00 | -18.65 | peak | | | |
| 4 | | 793.0667 | 2.21 | 30.25 | 32.46 | 46.00 | -13.54 | peak | | | |
| 5 | į | 867.4333 | 9.53 | 31.28 | 40.81 | 60.80 | -19.99 | peak | | | |
| 6 | | 956.3500 | 2.28 | 32.18 | 34.46 | 46.00 | -11.54 | peak | | | |

The results shown this jest 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 attp://www.agc.gent.com.



Page 16 of 24

RADIATED EMISSION BELOW 1GHZ-Vertical



| No. | Mk | Freq. | Reading | Factor | Measurement | Limit | Over | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|-------------------|-----------------|---------|
| | • | MHz | dBuV | dBuV/m | dBuV/m | dBuV/m | dB | | cm | degree | |
| 1 | | 299.9833 | 7.30 | 19.47 | 26.77 | 46.00 | -19.23 | peak | | | |
| 2 | * | 433.9550 | 51.57 | 23.67 | 75.24 | 80.80 | -5.56 | peak | | | |
| 3 | | 702.5333 | 1.85 | 28.21 | 30.06 | 46.00 | -15.94 | peak | | | |
| 4 | | 788.2166 | 2.44 | 30.14 | 32.58 | 46.00 | -13.42 | peak | | | |
| 5 | | 818.9333 | 3.20 | 30.65 | 33.85 | 46.00 | -12.15 | peak | | | |
| 6 | | 867.4333 | 2.51 | 31.28 | 33.79 | 60.80 | -27.01 | peak | | | |

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

- 2. The "Factor" value can be calculated automatically by software of measurement system.
- 3. Emissions of frequency range from 1GHz to 5GHz have 20dB margin. No recording in the test report.

The results showing this jest 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 40°C, 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 attp://www.agc.gent.com.



Page 17 of 24

11. BANDWIDTH

11.1. MEASUREMENT PROCEDURE

1. Set the parameters of SPA as below:

Centre frequency = Operation Frequency

RBW=300Hz

VBW=1KHz

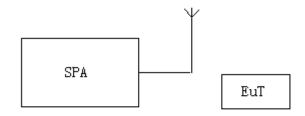
Span: 30kHz

Sweep time: Auto

Set the EUT to continue transmitting mode. Allow the trace to stabilize. Use the "N dB down" function of SPA to define the bandwidth.

3. Record the plots and Reported.

11.2. TEST SETUP



The results spowed this jest 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 40°C, 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 attp://www.ago.go.tt.com.



Page 18 of 24

11.3. TEST RESULT

Test Mode: EUT @ 433.995MHz for RF Transmitter

| K Manpilance | -20dB bandwidth | ® ## LIMIT | RESULT | | |
|--------------|-----------------------------|--------------|-------------|------|--|
| Glopal C | 3.217kHz | 1085.0KHz | | Pass | |
| -6 | Note: Limit= Operation Free | THE STATE OF | The Compile | | |

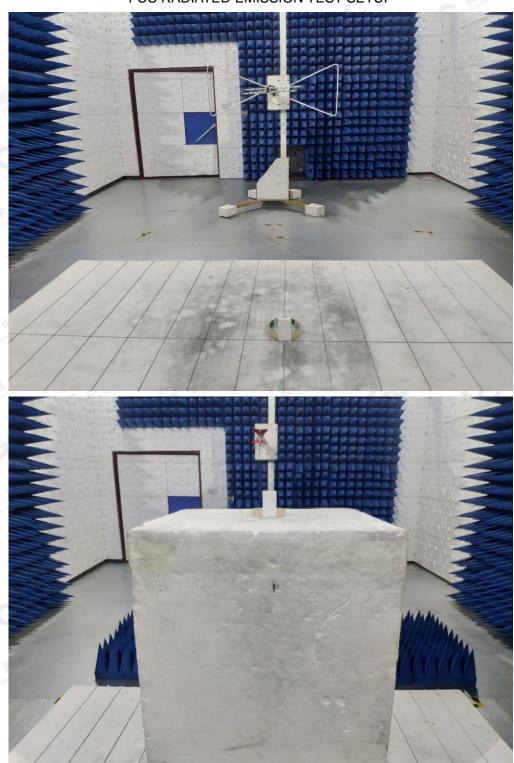


The results shown this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the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



APPENDIX A: PHOTOGRAPHS OF TEST SETUP

FCC RADIATED EMISSION TEST SETUP



The results showed this jest 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 100°C, 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 although the confirmed at all the confirmed a

Attestation of Global Compliance

AGC 8

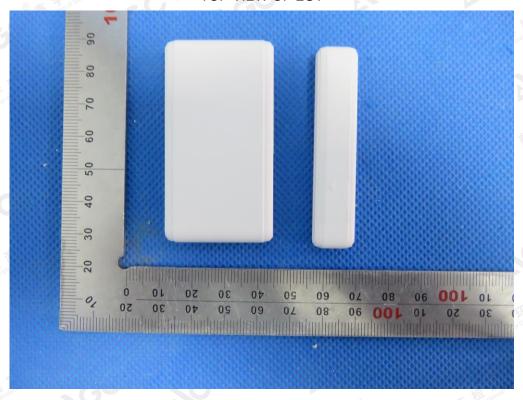


APPENDIX B: PHOTOGRAPHS OF EUT

ALL VIEW OF EUT



TOP VIEW OF EUT

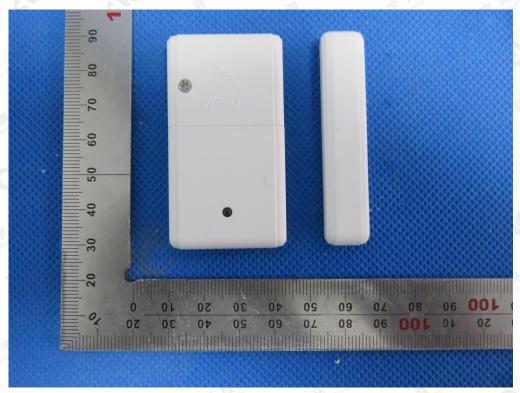


The results shown this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by ACC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the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

Attestation of Global Compliance



BOTTOM VIEW OF EUT



FRONT VIEW OF EUT

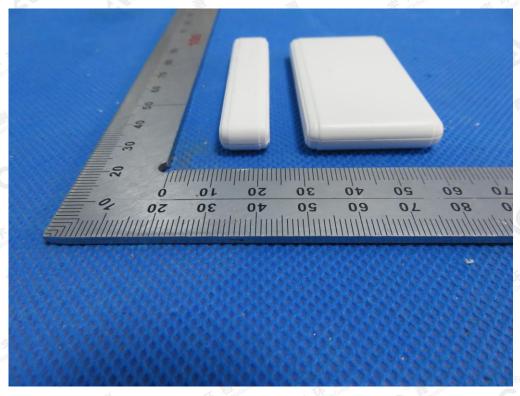


The results shown this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the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

Attestation of Global Compliance



BACK VIEW OF EUT



LEFT VIEW OF EUT

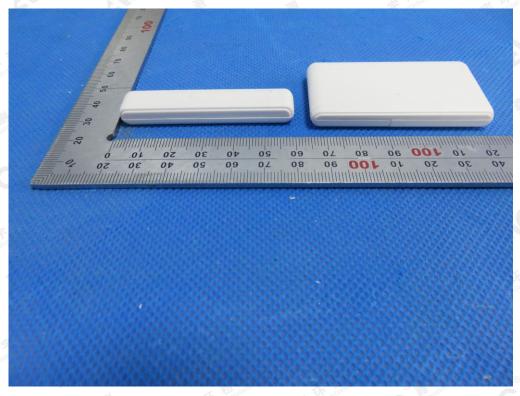


The results shown this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by ACC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the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

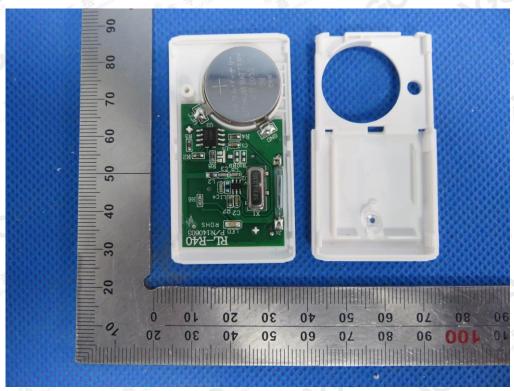
Attestation of Global Compliance



RIGHT VIEW OF EUT



OPEN VIEW OF EUT-1

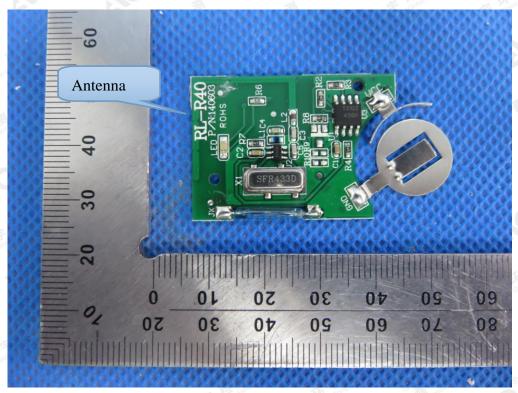


The results shown this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by ACC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the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

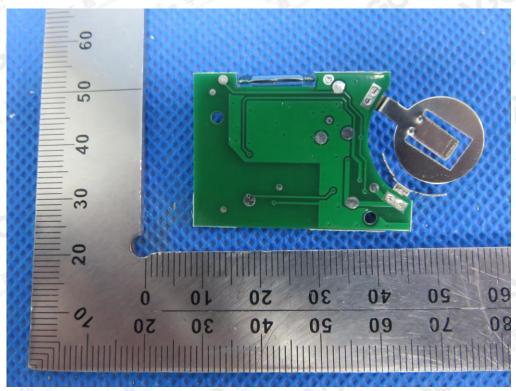
Attestation of Global Compliance



INTERNAL VIEW OF EUT-1



INTERNAL VIEW OF EUT-2



----END OF REPORT----

The results showed this jest 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 attp://www.agc.gett.com.