FCC ID: PRDMU53



RADIO TEST REPORT

The device described below is tested by Dongguan Nore Testing Center Co., Ltd. to determine the maximum emission levels emanating from the device, the severe levels which the device can endure and E.U.T.'s performance criterion. The test results, data evaluation, test procedures, and equipment of configurations shown in this report were made in accordance with the procedures in ANSI C63.10(2013).

Applicant

: Acrox Technologies Co., Ltd.

Address

: 4F., No.89, Minshan St., Neihu Dist., Taipei City 114, Taiwan

Manufacturer/Factory

: Acrox Technologies Co., Ltd.

Address

: Hsinmin Industrial, Changan Town, Dongguan City, Guangdong, China

E.U.T.

: WIRELESS MOUSE

Brand Name

: Acrox, onn

Model No.

G5L, ONB15HO201, ONA17HO043, ONA17HO044, ONA17HO045

(For model difference, refer to section 1)

FCC ID

: PRDMU53

Measurement Standard : FCC PART 15.249: 2016

Date of Receiver

: November 07, 2017

Date of Test

: November 07, 2017 to November 08, 2017

Date of Report

: November 09, 2017

This Test Report is Issued Under the Authority of :

Prepared by

Rose Hu / Engineer

Approv

Iori Fan / Authorized Signatory

This test report is for the customer shown above and their specific product only. This report applies to above tested sample only and shall not be reproduced in part without written approval of Dongguan Nore Testing Center Co., Ltd.

Dongguan Nore Testing Center Co., Ltd. Report No.: NTC1706419FV00 FCC ID: PRDMU53



Table of Contents

| 1. | GENERAL INFORMATION | 4 |
|----|--|----|
| | 1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST | 4 |
| | 1.2 RELATED SUBMITTAL(S) / GRANT (S) | |
| | 1.3 TEST METHODOLOGY | |
| | 1.4 EQUIPMENT MODIFICATIONS | 6 |
| | 1.5 SUPPORT DEVICE | |
| | 1.6 TEST FACILITY AND LOCATION | |
| | 1.7 SUMMARY OF TEST RESULTS | |
| 2. | SYSTEM TEST CONFIGURATION | 9 |
| | 2.1 EUT CONFIGURATION | g |
| | 2.2 SPECIAL ACCESSORIES | g |
| | 2.3 DESCRIPTION OF TEST MODES | |
| | 2.4 EUT EXERCISE | |
| 3. | CONDUCTED EMISSIONS TEST | 10 |
| | 3.1 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION) | |
| | 3.2 TEST CONDITION | 10 |
| | 3.3 MEASUREMENT RESULTS | 10 |
| 4. | RADIATED EMISSION TEST | 11 |
| | 4.1 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION) | 11 |
| | 4.2 MEASUREMENT PROCEDURE | |
| | 4.3 LIMIT | |
| | 4.4 MEASUREMENT RESULTS | 14 |
| 5. | 20DB BANDWIDTH | 18 |
| | 5.1 MEASUREMENT PROCEDURE | 18 |
| | 5.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION) | 18 |
| | 5.3 MEASUREMENT RESULTS | |
| 6. | BAND EDGE | 21 |
| | 6.1 MEASUREMENT PROCEDURE | 21 |
| | 6.2 LIMIT | |
| | 6.3 MEASUREMENT RESULTS | 21 |
| 7. | ANTENNA REQUIREMENT | 24 |
| | 7.1 MEASUREMENT PROCEDURE | 24 |
| | 7.2 MEASUREMENT RESULTS | |
| 8. | TEST EQUIPMENT LIST | |
| | · · · · · · · · · · · · · · | |

Dongguan Nore Testing Center Co., Ltd. Report No.: NTC1706419FV00 FCC ID: PRDMU53



Revision History of This Test Report

| Report Number | Description | Issued Date |
|----------------|---------------|-------------|
| NTC1706419FV00 | Initial Issue | 2017-11-09 |
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Report No.: NTC1706419FV00

FCC ID: PRDMU53



1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test

Model Name : G5L, ONB15HO201, ONA17HO043, ONA17HO044,

ONA17HO045

All tests were carried on model ONB15HO201

Model Difference

Description

: These models have the same circuit schematic, Construction, PCB Layout and critical components.

Their difference in model number due to trading purpose.

Power Supply : 2*DC 1.5V AAA battery

Test Voltage : 2*DC 1.5V AAA battery

Technical Specification:

2.4G Function:

Frequency Range : 2404-2478MHz

Modulation Type : GFSK

Number of Channel : 20

Antenna Type : PCB

Antenna Gain : 0.9 dBi (Declaration by manufacturer)

Hardware version : V1.0

Software version : V1.0

FCC ID: PRDMU53



Channel List:

| Channel | 1 | 2 | 3 | 4 | 5 |
|----------------|------|------|------|------|------|
| Frequency(MHz) | 2404 | 2414 | 2478 | 2408 | 2454 |
| Channel | 6 | 7 | 8 | 9 | 10 |
| Frequency(MHz) | 2406 | 2456 | 2410 | 2405 | 2474 |
| Channel | 11 | 12 | 13 | 14 | 15 |
| Frequency(MHz) | 2425 | 2450 | 2470 | 2458 | 2477 |
| Channel | 16 | 17 | 18 | 19 | 20 |
| Frequency(MHz) | 2452 | 2460 | 2435 | 2466 | 2441 |

Note: The Lowest, middle, and the Highest frequency of channel were selected to perform the test. The frequency selected see below:

The Lowest frequency: 2404MHz The middle frequency: 2441MHz The Highest frequency: 2478MHz

Report No.: NTC1706419FV00

FCC ID: PRDMU53



1.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: PRDMU53 filing to comply with Section 15.249 of the FCC Part 15 (2016), Subpart C Rule.

1.3 Test Methodology

Both AC mains line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.10 (2013). Radiated emission measurement was performed in semi-anechoic chamber and conducted emission measurement was performed in shield room. For radiated emission measurement, preliminary scans were performed in the semi-anechoic chamber only to determine the worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters.

1.4 Equipment Modifications

Not available for this EUT intended for grant.

1.5 Support Device

None

Report No.: NTC1706419FV00

FCC ID: PRDMU53



1.6 Test Facility and Location

Listed by CNAS, August 14, 2015
The certificate is valid until August 13, 2018
The Laboratory has been assessed and proved to be in compliance with CNAS/CL01
The Certificate Registration Number is L5795.

Listed by FCC, July 03, 2014
The Certificate Registration Number is 665078.
Listed by Industry Canada, June 18, 2014
The Certificate Registration Number is 46405-9743.

Listed by FCC A2LA, November 01, 2017 The Certificate Number is 4429.01.

Dongguan NTC Co., Ltd. (Full Name: Dongguan Nore Testing Center Co., Ltd.)

Building D, Gaosheng Science and Technology Park, Hongtu Road, Nancheng District, Dongguan City, Guangdong, China (Full Name: Building D, Gaosheng Science & Technology Park, Zhouxi Longxi Road, Nancheng District, Dongguan, Guangdong, China.

Report No.: NTC1706419FV00

FCC ID: PRDMU53

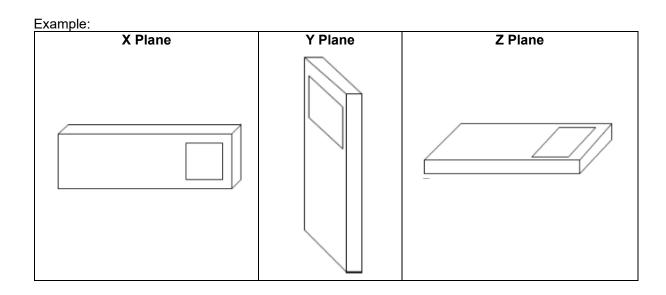


1.7 Summary of Test Results

| FCC Rules | Description Of Test | Uncertainty | Result |
|--------------------|--------------------------------|---------------------------|----------------|
| §15.207(a) | AC Power Conducted Emission | ±1.06dB | Not applicable |
| §15.249(a)/ 15.209 | Radiated Emissions | ±3.70dB | Compliant |
| §15.249(d)/ 15.205 | Band Edge | ±1.70dB | Compliant |
| §15.215(c) | 20dB Bandwidth | ±1.42 x10 ⁻⁴ % | Compliant |
| §15.203 | Antenna Requirement | ±0.60dB | Compliant |

Note: 1. The EUT has been tested as an independent unit. And Continual transmitting in maximum power (The new battery be used during test)

- 2. Due to this EUT is powered by battery only, the AC Power Conducted Emission is not applicable.
- 3. The EUT powered by battery and operating multiple positions, so the EUT shall be performed three orthogonal planes. The worst plane is Z.



Report No.: NTC1706419FV00

FCC ID: PRDMU53



2. System Test Configuration

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 Special Accessories

Not available for this EUT intended for grant.

2.3 Description of test modes

The EUT has been tested under operating condition. The Lowest, middle and highest frequencies were chosen for testing.

2.4 EUT Exercise

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements.

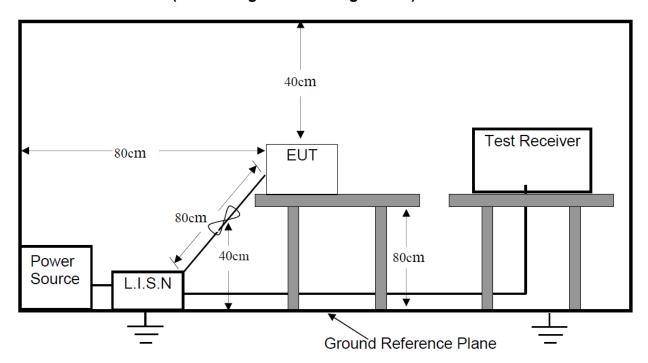
Report No.: NTC1706419FV00

FCC ID: PRDMU53



3. Conducted Emissions Test

3.1 Test SET-UP (Block Diagram of Configuration)



3.2 Test Condition

Test Requirement: FCC Part 15.207

Frequency Range: 150KHz ~ 30MHz

Detector: RBW 9KHz, VBW 30KHz

Operation Mode: TX

3.3 Measurement Results

Not applicable.

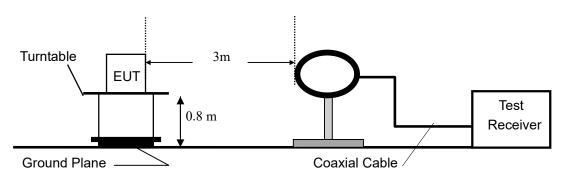
FCC ID: PRDMU53

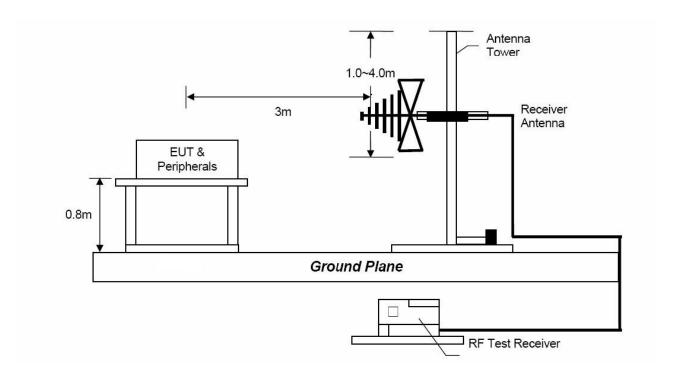


4. Radiated Emission Test

4.1 Test SET-UP (Block Diagram of Configuration)

4.1.1 Radiated Emission Test Set-Up, Frequency Below 30MHz



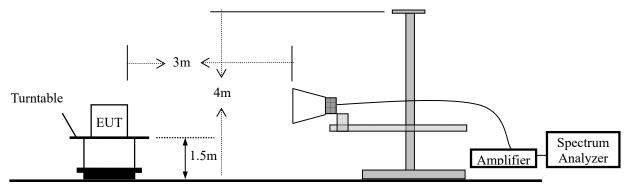


Report No.: NTC1706419FV00

FCC ID: PRDMU53



4.1.2 Radiated Emission Test Set-Up, Frequency above 1GHz



4.2 Measurement Procedure

- a. Blow 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi- anechoic chamber room.
- b. For the radiated emission test above 1GHz:
 - The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter full anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation. 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.
- c. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The height of antenna is varied from one meter to four meters 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.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to peak detect function and specified bandwidth with maximum hold mode.
- f. A Quasi-peak measurement was then made for that frequency point for below 1GHz test. PK and AV for above 1GHz emission test.

Report No.: NTC1706419FV00

FCC ID: PRDMU53



During the radiated emission test, the spectrum analyzer was set with the following configurations:

| Frequency Band (MHz) | Level | Resolution Bandwidth | Video Bandwidth |
|----------------------|---------|----------------------|-----------------|
| 30 to 1000 | QP | 120 kHz | 300 kHz |
| Above 1000 | Peak | 1 MHz | 3 MHz |
| Above 1000 | Average | 1 MHz | 10 Hz |

4.3 Limit

| Frequency range | Distance Meters | Field Strengths Limit (15.209) | | | |
|-----------------|-----------------|--------------------------------|--------------------|--|--|
| MHz | | μV/m | | | |
| 0.009 ~ 0.490 | 300 | 2400/F | (kHz) | | |
| 0.490 ~ 1.705 | 30 | 24000/ | F(kHz) | | |
| 1.705 ~ 30 | 30 | 30 |) | | |
| 30 ~ 88 | 3 | 10 | 0 | | |
| 88 ~ 216 | 3 | 15 | 0 | | |
| 216 ~ 960 | 3 | 200 | | | |
| Above 960 | 3 | 50 | 0 | | |
| Frequency range | Distance Meters | Field Strengths | Limit (15.249) | | |
| MHz | | mV/m | μV/m | | |
| | | (Field strength of | (Field strength of | | |
| | | fundamental) | Harmonics) | | |
| 902 ~ 928 | 3 | 50 500 | | | |
| 2400 ~ 2483.5 | 3 | 50 500 | | | |
| 5725 ~ 5875 | 3 | 50 500 | | | |
| 24000 ~ 2425000 | 3 | 250 | 2500 | | |

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) As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.
- (4) The frequency range scanned is from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or 40 GHz, whichever is lower.

Dongguan Nore Testing Center Co., Ltd. Report No.: NTC1706419FV00 FCC ID: PRDMU53



4.4 Measurement Results

Please refer to following the test plots of the worst case: middle channel.

Report No.: NTC1706419FV00

FCC ID: PRDMU53



Site: Radiation

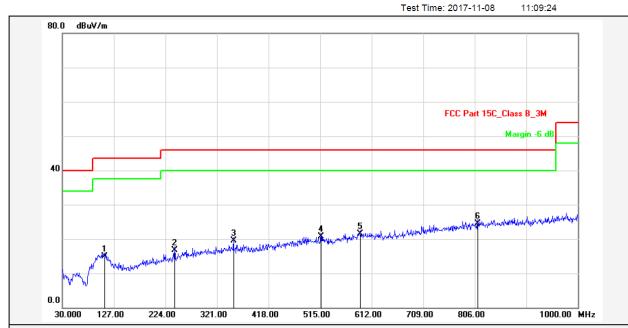


Dongguan NTC Co., Ltd. Tel:+86-769-22022444 Fax:+86-769-22022799

Web: Http://www.ntc-c.com

Test Distance:

3m



ONB15HO201 Report No.:

Test Standard: FCC Part 15C_Class B_3M

Test item: Radiation Emission Ant. Polarization: Horizontal Applicant: Temp.(C)/Hum.(%): 24(C) / 47 %

WIRELESS MOUSE Product: Power Rating: DC 3V ONB15HO201 Model No.: Test Engineer: Ivan

Test Mode: TX Remark:

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|----------|-------------|----------------|-----|--------|
| 1 | 109.5400 | -12.15 | 27.15 | 15.00 | 43.50 | -28.50 | QP | | | Р | |
| 2 | 241.4600 | -11.98 | 28.68 | 16.70 | 46.00 | -29.30 | QP | | | Р | |
| 3 | 352.0400 | -9.13 | 28.73 | 19.60 | 46.00 | -26.40 | QP | | | Р | |
| 4 | 516.9400 | -6.74 | 27.44 | 20.70 | 46.00 | -25.30 | QP | | | Р | |
| 5 | 590.6599 | -5.26 | 26.76 | 21.50 | 46.00 | -24.50 | QP | | | Ф. | |
| 6 | 811.8200 | -1.74 | 26.34 | 24.60 | 46.00 | -21.40 | QP | | | | |

Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.

Report No.: NTC1706419FV00

FCC ID: PRDMU53



Site: Radiation

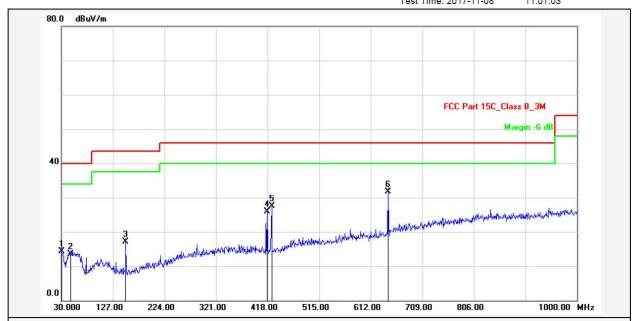


Test Time: 2017-11-08 11:01:03

Test Distance:

3m

Vertical



Report No.: ONB15HO201

Test Standard: FCC Part 15C_Class B_3M

Test item: Radiation Emission Ant. Polarization:

Applicant: ACROX Temp.(C)/Hum.(%): 24(C) / 47 %

Product: WIRELESS MOUSE Power Rating: DC 3V

Model No.: ONB15H0201 Test Engineer: Ivan

Test Mode: TX

Remark:

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|----------|-------------|----------------|-----|--------|
| 1 | 30.9700 | -15.83 | 30.23 | 14.40 | 40.00 | -25.60 | QP | | | Р | |
| 2 | 47.4600 | -13.50 | 27.10 | 13.60 | 40.00 | -26.40 | QP | | | Р | |
| 3 | 151.2500 | -18.47 | 35.67 | 17.20 | 43.50 | -26.30 | QP | | | Р | |
| 4 | 417.0299 | -11.56 | 37.56 | 26.00 | 46.00 | -20.00 | QP | | | Р | |
| 5 | 425.7600 | -11.52 | 39.12 | 27.60 | 46.00 | -18.40 | QP | | · | Р | |
| 6 | 644.9800 | -5.90 | 37.60 | 31.70 | 46.00 | -14.30 | QP | | | Р | |

Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.

Report No.: NTC1706419FV00

FCC ID: PRDMU53



Frequency Range: 1-25GHz Test Date: November 08, 2017

Test Result: PASS Temperature : 21 $^{\circ}$ C Measured Distance: 3m Humidity : 55 $^{\circ}$

Test By: Sance

| Fred | Freq. Ant.Pol. Reading | | | | Emissio | | Limit | | | rgin | | |
|-------------------------------|------------------------|--------|----------|------------------|-----------|----------|--------|-------|--------|--------|--|--|
| (MHz) | (H/V) | Level(| dBuV) | Factor (dB/m) | (dBı | μV) | (dBu\ | //m) | (d | B) | | |
| (1011 12) | (MHZ) (H/V) PK AV | | (dD/III) | PK | AV | PK | AV | PK | AV | | | |
| Operation Mode: TX Mode (Low) | | | | | | | | | | | | |
| 2404 | V | 78.32 | 75.09 | 0.14 | 78.46 | 75.23 | 114.00 | 94.00 | -35.54 | -18.77 | | |
| 4808 | V | 52.52 | 36.32 | 6.33 | 58.85 | 42.65 | 74.00 | 54.00 | -15.15 | -11.35 | | |
| 7212 | V | 45.49 | 31.54 | 10.44 | 55.93 | 41.98 | 74.00 | 54.00 | -18.07 | -12.02 | | |
| | | | | | | | | | | | | |
| 2404 | Н | 81.33 | 76.4 | 0.14 | 81.47 | 76.54 | 114.00 | 94.00 | -32.53 | -17.46 | | |
| 4808 | Н | 51.83 | 36.88 | 6.33 | 58.16 | 43.21 | 74.00 | 54.00 | -15.84 | -10.79 | | |
| 7212 | Н | 46.27 | 31.39 | 10.44 | 56.71 | 41.83 | 74.00 | 54.00 | -17.29 | -12.17 | | |
| | | | | | | | | | | | | |
| | | | Ope | ration M | ode: TX I | Mode (M | id) | | | | | |
| 2441 | V | 81.59 | 80.03 | 0.24 | 81.83 | 80.27 | 114.00 | 94.00 | -32.17 | -13.73 | | |
| 4882 | V | 50.84 | 40.02 | 6.60 | 57.44 | 46.62 | 74.00 | 54.00 | -16.56 | -7.38 | | |
| 7323 | V | 45.76 | 31.43 | 10.55 | 56.31 | 41.98 | 74.00 | 54.00 | -17.69 | -12.02 | | |
| | | | | | | | | | | | | |
| 2441 | Н | 80.5 | 78.02 | 0.24 | 80.74 | 78.26 | 114.00 | 94.00 | -33.26 | -15.74 | | |
| 4882 | Н | 49.81 | 35.55 | 6.60 | 56.41 | 42.15 | 74.00 | 54.00 | -17.59 | -11.85 | | |
| 7323 | Н | 44.87 | 31.22 | 10.55 | 55.42 | 41.77 | 74.00 | 54.00 | -18.58 | -12.23 | | |
| | | | | | | | | | | | | |
| | | | Ope | ration Mo | ode: TX N | lode (Hi | gh) | | | | | |
| 2478 | V | 77.4 | 69.87 | 0.34 | 77.74 | 70.21 | 114.00 | 94.00 | -36.26 | -23.79 | | |
| 4956 | V | 49.77 | 39.83 | 6.88 | 56.65 | 46.71 | 74.00 | 54.00 | -17.35 | -7.29 | | |
| 7434 | V | 45.82 | 31.26 | 10.59 | 56.41 | 41.85 | 74.00 | 54.00 | -17.59 | -12.15 | | |
| | | | | | | | | | | | | |
| 2478 | Н | 78.08 | 71.03 | 0.34 | 78.42 | 71.37 | 114.00 | 94.00 | -35.58 | -22.63 | | |
| 4956 | Н | 49.89 | 39.57 | 6.88 | 56.77 | 46.45 | 74.00 | 54.00 | -17.23 | -7.55 | | |
| 7434 | Н | 44.12 | 31.35 | 10.59 | 54.71 | 41.94 | 74.00 | 54.00 | -19.29 | -12.06 | | |
| | | | | | | | | | | | | |

Note: (1)

- (1) All Readings are Peak Value and AV.
- (2) Emission Level= Reading Level + Factor
- (3) Factor= Antenna Gain + Cable Loss Amplifier Gain
- (4) Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 10dB below the permissible limits.
 - (5) Measurement uncertainty: ±3.7dB.
 - (6) Horn antenna used for the emission over 1000MHz.

Report No.: NTC1706419FV00

FCC ID: PRDMU53



5. 20dB Bandwidth

5.1 Measurement Procedure

The 20dB bandwidth of the emission was contained within the frequency band designated which the EUT operated. The effects, if any, from frequency sweeping, frequency hopping, other modulation techniques and frequency stability over excepted variations in temperature and supply voltage were considered, FCC Rule 15.215(c):

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RBW was chosen so that the display was a result of the hopping channel modulation. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. Use the spectrum 20dB down delta function to measure the bandwidth.

5.2 Test SET-UP (Block Diagram of Configuration)

| FUT | Spectrum Analyzer |
|-----|-------------------|
| | Spectrum Analyzer |

5.3 Measurement Results

Refer to attached data chart.

RBW: 100KHz VBW: 300KHz Spectrum Detector: PK Temperature : 22 $^{\circ}$ C Test By: Sance Humidity : 54 $^{\circ}$

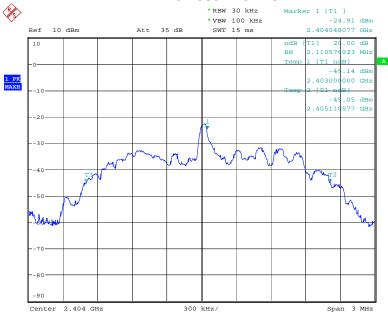
Test Result: PASS Test Date: November 08, 2017

| Channel frequency (MHz) | 20dB Down BW(kHz) |
|-------------------------|-------------------|
| | |
| 2404 | 2111 |
| 2441 | 2101 |
| 2478 | 2111 |

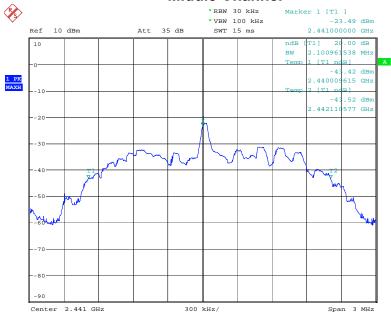
FCC ID: PRDMU53



Lowest Channel



Middle Channel



FCC ID: PRDMU53



Highest Channel



Report No.: NTC1706419FV00

FCC ID: PRDMU53



6. Band Edge

6.1 Measurement Procedure

Same as Radiated Emission Test.

6.2 Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

6.3 Measurement Results

Operation Mode: TX Mode Test Date: November 08, 2017

Temperature : 21 $^{\circ}$ C Humidity : 55 $^{\circ}$ M Test Result: PASS Test By: Sance

Measured Distance: 3m

| Freq. (MHz) | Ant.Pol. | Rea Level(| _ | Factor (dB/m) | Emission (dBu | | Limi (dBu | t 3m V/m) | | rgin B) |
|----------------|----------|---------------|-------|------------------|------------------|-------|--------------|--------------|--------|------------|
| (IVITZ) | (H/V) | PK | AV | (ub/III) | PK | AV | PK | AV | PK | AV |
| 2390.000 | Н | 45.88 | 32.43 | 0.13 | 46.01 | 32.56 | 74.00 | 54.00 | -27.99 | -21.44 |
| 2390.000 | V | 47.64 | 34.72 | 0.13 | 47.77 | 34.85 | 74.00 | 54.00 | -26.23 | -19.15 |
| 2483.500 | Н | 45.94 | 33.53 | 0.34 | 46.28 | 33.87 | 74.00 | 54.00 | -27.72 | -20.13 |
| 2483.500 | V | 46.55 | 33.67 | 0.34 | 46.89 | 34.01 | 74.00 | 54.00 | -27.11 | -19.99 |

Note: (1) Emission Level= Reading Level + Factor

(2) Factor= Antenna Gain + Cable Loss – Amplifier Gain

(3) Horn antenna used for the emission over 1000MHz.

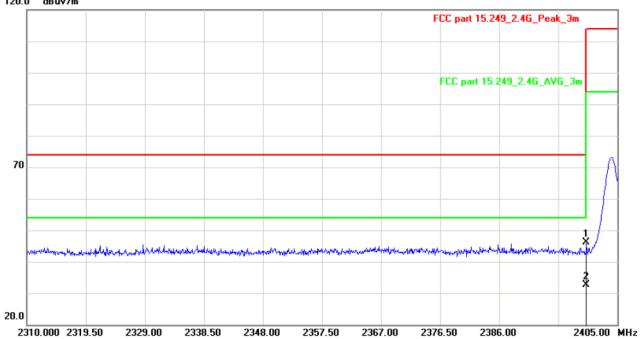
Report No.: NTC1706419FV00

FCC ID: PRDMU53



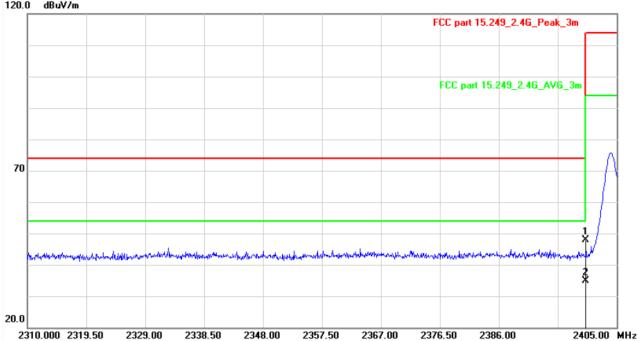
Low channel

Horizontal 120.0 dBuV/m



Vertical

120.0 dBuV/m



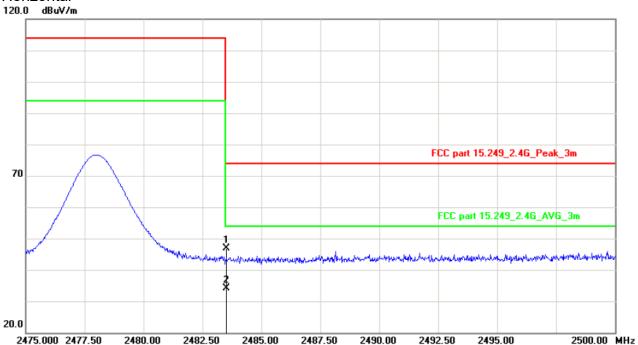
Report No.: NTC1706419FV00

FCC ID: PRDMU53

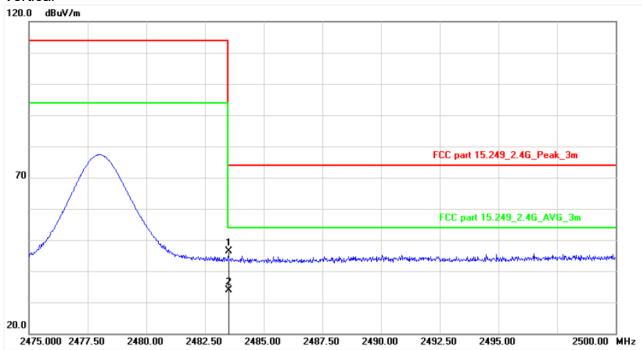


High channel

Horizontal







Report No.: NTC1706419FV00

FCC ID: PRDMU53



7. Antenna requirement

7.1 Measurement Procedure

According to of FCC part 15C section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Systems operating in the 2400-2483.5MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum peak output power of the intentional radiator is reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

7.2 Measurement Results

The antenna is PCB antenna and no consideration of replacement, and the best case gain of the antenna is 0.9dBi. So, the antenna is consider meet the requirement.

FCC ID: PRDMU53



8. Test Equipment List

| Description | Manufacturer | Model Number | Serial Number | Characteristics | Calibration Date | Calibration Due Date |
|-----------------------------------|-----------------|--------------|------------------|-----------------|---------------------|-------------------------|
| Test Receiver | Rohde & Schwarz | ESCI7 | 100837 | 9KHz~7GHz | Mar. 14, 2017 | Mar. 13, 2018 |
| Antenna | Schwarzbeck | VULB9162 | 9162-010 | 30MHz~7GHz | Mar. 15, 2017 | Mar. 14, 2018 |
| Cable | Huber+Suhner | CBL2-NN-1M | 22390001 | 9KHz~7GHz | Mar. 14, 2017 | Mar. 13, 2018 |
| Cable | Huber+Suhner | CIL02 | N/A | 9KHz~7GHz | Mar. 14, 2017 | Mar. 13, 2018 |
| RF Cable | Huber+Suhner | SF-104 | MY16559/4 | 9KHz~25GHz | Apr. 25, 2017 | Apr. 25, 2018 |
| Power Amplifier | HP | HP 8447D | 1145A00203 | 100KHz~1.3GHz | Mar. 14, 2017 | Mar. 13, 2018 |
| Horn Antenna | Schwarzbeck | BBHA9170 | 9170-242 | 15GHz~40GHz | Mar. 14, 2017 | Mar. 13, 2018 |
| Horn Antenna | Com-Power | AH-118 | 071078 | 1GHz~18GHz | Mar. 15, 2017 | Mar. 14, 2018 |
| RF Cable | Huber+Suhner | SF-104 | N/A | 9KHz~40GHz | Apr. 25, 2017 | Apr. 24, 2018 |
| Loop antenna | Daze | ZA30900A | 0708 | 9KHz~30MHz | Apr. 25, 2017 | Apr. 24, 2018 |
| Spectrum Analyzer | Rohde & Schwarz | FSU26 | 200409/026 | 20Hz~26.5GHz | Apr. 25, 2017 | Apr. 24, 2018 |
| Spectrum Analyzer | Rohde & Schwarz | FSV40 | 101003 | 10Hz~40GHz | April. 06, 2017 | April. 05, 2018 |
| Pre-Amplifier | EMCI | EMC 184045 | 980102 | 18GHz~40GHz | Nov. 03, 2017 | Nov. 02, 2018 |
| Pre-Amplifier | Agilent | 8449B | 3008A02964 | 1GHz~26.5GHz | Apr. 25, 2017 | Apr. 24, 2018 |
| L.I.S.N. | Rohde & Schwarz | ENV 216 | 101317 | 9KHz~30MHz | Mar. 14, 2017 | Mar. 13, 2018 |
| Temporary antenna connector | TESCOM | SS402 | N/A | 9KHz-25GHz | N/A | N/A |

Note: The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.