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FCC Test Report

| Application No.: | T31720220055EM |
|--|---|
| Applicant: Address: | Stadlbauer Marketing + Vertrieb GmbH Rennbahn Allee 1, 5412, Salzburg, Austria |
| Product Information: Product Description: | Short Range Device – Radio Control Toy Transmitter (2.4GHz) |
| Item No.: | 370401019 |
| Country of Destination: | US, EU, CA |
| Product Class : | Low Power Communication Device – Transmitter (2.4 GHz) |
| FCC ID: | YFA370401019 |
| Requirement: | CFR 47 FCC PART 15 SUBPART C, 2017 - Intentional Radiators (Section 15.249) |
| Date of Receipt: | 2017-05-16 |
| Date of Test: | 2017-05-31 |
| Date of Issue: | 2018-03-14 |
| Test Result : | PASS* |

In the configuration tested, the EUT complied with the requirements for the relevant clauses of Federal Communications Commission Rules as specified above.

Authorized Signature:

CHEN Jian-feng, Jeffrey

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.

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2 Test Summary

| Test | Test Requirement | Test Method | Result |
|---|---------------------------------|------------------|--------|
| Conducted Emission (150KHz to 30MHz) | FCC PART 15, SUBPART C: 2017 | ANSI C63.10:2013 | N/A |
| Radiated Emission (9kMHz to 1GHz) | FCC PART 15, SUBPART C: 2017 | ANSI C63.10:2013 | PASS |
| Radiated Emission above 1 GHz | FCC PART 15, SUBPART C: 2017 | ANSI C63.10:2013 | PASS |
| Restricted-band band- edge measurements (Radiated Emission) | FCC PART 15, SUBPART C: 2017 | ANSI C63.10:2013 | PASS |
| 20dB bandwidth | FCC PART 15, SUBPART C: 2017 | ANSI C63.10:2013 | PASS |

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General Information Δ

4.1 General Description of EUT

Product Description: Short Range Device – Radio Control Toy Transmitter (2.4GHz) Item No.: 370401019

Serial No.:

4.2 Details of EUT

Power Supply: Operating Frequency Antenna Type:

DC 3V (AA battery x 2) 2405-2470MHz Unreplaceble internal Integral antenna



Modulation Type:

GFSK

Test frequency tested are the lowest channel: 1 channel (2405MHz), middle channel: 2 channel (2445MHz) and highest channel: 3 channel (2470MHz)

Channel configuration method:

1. Hold the right button and then power on the EUT, press the left knob upward and then downward to enter test mode.

2. Press the button to change the channel from low to high frequency mode.

4.3 Conditions of EUT

The received sample was under good condition.

4.4 Description of Support Units

1. All field strength measures in this test report were done by the sample which set the frequency fixed with continuous transmission

4.5Standards Applicable for Testing

CFR 47, FCC Part 15, 2017 ANSI C63.10:2013

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4.6 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch E&E Lab,

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.7 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC

Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC – Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

• Industry Canada (IC)

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

4.8 Deviation from Standards

None.

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4.9 Abnormalities from Standard Conditions

None.

4.10 Declaration of Family Grouping

None.

4.11 Abbreviations

N/A: Not Applicable EUT: Equipment Under Test

4.12 Measurement Uncertainty (95% confidence levels, k=2)

| No. | Item | Measurement Uncertainty |
|-----|---------------------------------|-------------------------|
| 1 | Duty cycle | 0.37% |
| 2 | Occupied Bandwidth | 3% |
| 3 | RF conducted power | 0.75dB |
| 4 | Conducted Spurious emissions | 0.75dB |
| | | 4.5dB (30MHz-1GHz) |
| 5 | Radiated Spurious emission test | 4.8dB (1GHz-25GHz) |
| 6 | Temperature test | 1°C |
| 7 | Humidity test | 3% |
| 8 | Supply voltages | 1.5% |
| 9 | Time | 3% |

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5 Equipments Used during Test

| | RE in Chamber | | | | | |
|------|-----------------------------------|--|--------------|------------------|---------------------------|---------------------------------|
| ltem | Test Equipment | Manufacturer | Model No. | Inventory No. | Cal. date (yyyy-mm-dd) | Cal.Due date (yyyy-mm-dd) |
| 1 | 3m Semi-Anechoic Chamber | ETS- LINDGREN | N/A | SEM001-01 | 2017-05-13 | 2018-05-13 |
| 2 | EMI Test Receiver | Agilent Technologies | N9038A | SEM004-05 | 2016-09-16 | 2017-09-16 |
| 3 | BiConiLog Antenna (26-3000MHz) | ETS- LINDGREN | 3142C | SEM003-01 | 2014-11-01 | 2017-11-01 |
| 4 | Double-ridged horn (1-18GHz) | ETS- LINDGREN | 3117 | SEM003-11 | 2015-10-17 | 2018-10-17 |
| 5 | Horn Antenna (18-26GHz) | ETS- LINDGREN | 3160 | SEM003-12 | 2014-11-24 | 2017-11-24 |
| 6 | Pre-amplifier (0.1-1300MHz) | Agilent Technologies | 8447D | SEM005-01 | 2017-04-25 | 2018-04-25 |
| 7 | Band filter | Amindeon | Asi 3314 | SEM023-01 | N/A | N/A |
| 8 | DC Power Supply | Zhao Xin | RXN-305D | SEM011-02 | 2016-10-09 | 2017-10-09 |
| 9 | Loop Antenna | Beijing Daze | ZN30401 | SEM003-09 | 2015-05-13 | 2018-05-13 |
| 10 | Pre-Amplifier (0.1-26.5GHz) | Compliance Directions Systems Inc. | PAP-0126 | SEM004-10 | 2016-10-17 | 2017-10-17 |

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6 Test Results

6.1 Conducted Emissions Mains Terminals, 150kHz to 30MHz

| Test Requirement: | FCC Part15 C |
|-------------------|------------------|
| Test Method: | ANSI C63.10:2013 |
| Test Date: | Not Applicable |
| Remark: | |

This test is not applicable as the EUT is battery operated.

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6.2 Radiated Emissions, 9kHz to 1GHz

| Test Requirement: | FCC Part15 Subpart C Section 15.209 and 15.249(d) |
|-----------------------|---|
| Test Method: | ANSI C63.10 |
| Test Date: | 2017-05-31 |
| Frequency Range: | The lowest frequency generated by EUT, 12MHz to 1GHz |
| Measurement Distance: | 3m |
| Detector: | Peak for pre-scan |
| | (200Hz resolution bandwidth and 1kHz video bandwidth for measurement between 9kHz – 150kHz) |
| | (9kHz resolution bandwidth and 100kHz video bandwidth for measurement between 150kHz – 30MHz) |
| | 120kHz resolution bandwidth and 1MHz video bandwidth for measurement between 30MHz to 1GHz) |
| | |

Quasi-Peak if maximised peak within 6dB of limit

Limit :

| | Frequency range MHz | Quasi-peak limits dB (μV/m) | |
|--|------------------------|--------------------------------|--|
| | 0.009 - 0.490 | -72.4 – 20logF(MHz) | |
| | 0.490 – 1.705 | -12.4 – 20logF(MHz) | |
| | 1.705 – 30.0 | -10.5 | |
| 30 to 88 | | 40 | |
| 88 to 216 | | 43.5 | |
| 216 to 960 | | 46 | |
| Above 960 | | 54 | |
| Note:1) At transitional frequencies the lower limit applies.2) F is the frequency of the spurious emission measured in MHz.3) Limit from 0.009 – 30 MHz is converted from measuring distance 300m or 30m to3m with the formulat provided in FCC Part 15, section 15.31(f)(2) | | | |

6.2.1 EUT Operation

Operating Environment:

Temperature: 24 °C Humidity: 57 %

EUT Operation: Pre-test with Peak detector with the following mode(s):

- 1: Transmission in continous transmitting mode
- 2. Test in lowest, middle and high frequency

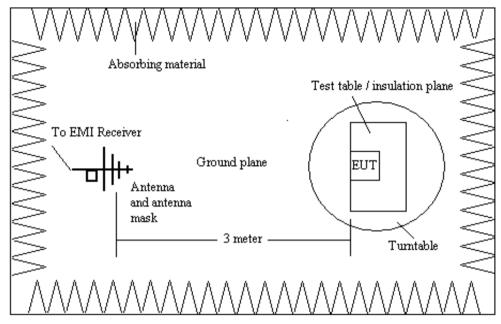
Final test with Quasi-Peak detector with the following mode(s):

- 1: Transmission in continous transmitting mode
- 2. Test in lowest, middle and high frequency

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6.2.2 Test Setup and Procedure



- 1. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. 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 height 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.
- 4. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- 7. Test the EUT in the lowest channel, the middle channel, the Highest channel
- 8. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the Y axis positioning which it is worse case.
- 9. Repeat above procedures until all frequencies measured was complete.

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6.2.3 Measurement Data

An initial pre-scan was performed in the 3m chamber using the spectrum analyser in peak detection mode. The EUT was measured by Bilog antenna with 2 orthogonal polarities and frequencies of peak emissions from the EUT were detected within 6dB of the limit line. Final measurement was conducted in the open area test site with data as follows:

Test results:

| Frequency (MHz) | Antenna Polarization | Correction Factor (dB/m) | Receiver QP Reading (dBµV) | Emission Level (dBµV/m) | Limit (dBµV/m) | Over Limit (dB) |
|--------------------|-------------------------|--------------------------------|----------------------------------|-------------------------------|-------------------|--------------------|
| 30.125 | V | 19.4 | 4.2 | 23.6 | 40.0 | -16.4 |
| 73.250 | V | 9.2 | 5.9 | 15.1 | 40.0 | -24.9 |
| 145.625 | V | 11.6 | 5.5 | 17.1 | 43.5 | -26.4 |
| 296.938 | V | 14.0 | 5.8 | 19.8 | 46.0 | -26.2 |
| 480.500 | V | 18.0 | 5.7 | 23.7 | 46.0 | -22.3 |
| 809.688 | Н | 21.7 | 3.9 | 25.6 | 46.0 | -20.4 |

(1) Operation Frequency : 2405MHz

(2) Operation Frequency : 2445MHz

| Frequency (MHz) | Antenna Polarization | Correction Factor (dB/m) | Receiver QP Reading (dBµV) | Emission Level (dBµV/m) | Limit (dBµV/m) | Over Limit (dB) |
|--------------------|-------------------------|--------------------------------|----------------------------------|-------------------------------|-------------------|--------------------|
| 30.000 | Н | 19.4 | 4.7 | 24.1 | 40.0 | -15.9 |
| 46.063 | V | 13.3 | 5.6 | 18.9 | 40.0 | -21.1 |
| 138.250 | V | 11.8 | 5.8 | 17.6 | 43.5 | -25.9 |
| 270.063 | Н | 13.3 | 6.3 | 19.6 | 46.0 | -26.4 |
| 430.000 | Н | 17.7 | 5.9 | 23.6 | 46.0 | -22.4 |
| 851.563 | V | 21.9 | 4.0 | 25.9 | 46.0 | -20.1 |

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| Frequency (MHz) | Antenna Polarization | Correction Factor (dB/m) | Receiver QP Reading (dBµV) | Emission Level (dBµV/m) | Limit (dBµV/m) | Over Limit (dB) |
|--------------------|-------------------------|--------------------------------|----------------------------------|-------------------------------|-------------------|--------------------|
| 30.188 | Н | 19.3 | 4.9 | 24.2 | 40.0 | -15.8 |
| 54.375 | V | 11.1 | 5.8 | 16.9 | 40.0 | -23.1 |
| 129.938 | V | 11.6 | 6.0 | 17.6 | 43.5 | -25.9 |
| 272.688 | V | 13.4 | 6.3 | 19.7 | 46.0 | -26.3 |
| 492.375 | V | 18.1 | 6.2 | 24.3 | 46.0 | -21.7 |
| 728.938 | Н | 21.0 | 4.8 | 25.8 | 46.0 | -20.2 |

(3) Operation Frequency : 2470MHz

Note:

- 1) All readings are Quasi-Peak values.
- 2) Correction Factor = Antenna Factor + Cable Loss.
- 3) The above results were the worst case results with the EUT positioned in all 3 axis during the test. The EUT was positioned vertically and horizontally on the table for vertical and horizontal measurement respectively.
- 4) Other emissions more than 20dB below the limit are not shown on the above table and only worst six emissions below 1GHz are listed.

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6.3 Radiated Emissions above 1 GHz

| Test Requirement: | FCC Part15 Subpart C Section 15.209 & 15.249(a) & (d) |
|-----------------------|---|
| Test Method: | ANSI C63.10 |
| Test Date: | 2017-05-31 |
| Frequency Range: | 1GHz – 26GHz |
| Measurement Distance: | 3m |
| Detector: | Peak for pre-scan (1MHz resolution bandwidth, 1MHz video bandwidth) |
| | Average and Peak detector for final test |

Limit :

Fundamental Frequency :

| Frequency range | Limits (Peak) | Limits (Average) |
|-----------------|---------------|------------------|
| MHz | dB (µV/m) | dB (μV/m) |
| 2400 to 2483.5 | 114 | 94 |

Spurious Emission :

| Frequency range | Limits (Peak) | Limits (Average) |
|-----------------|---------------|------------------|
| MHz | dΒ (μV/m) | dB (µV/m) |
| Over 1000 | 74 | 54 |

6.3.1 EUT Operation

Operating Environment:

Temperature: 24 °C Humidity: 57 %

EUT Operation: Pre-test with Peak detector with the following mode(s):

1: Transmission in continous transmitting mode

2. Test in lowest, middle and high frequency

Final test with Peak and Avearge detector with the following mode(s):

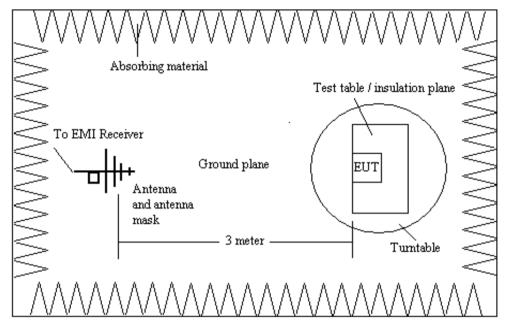
1: Transmission in continous transmitting mode

2. Test in lowest, middle and high frequency

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6.3.2 Test Setup and Procedure



- 1. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. 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 height 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.
- 4. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- 7. Test the EUT in the lowest channel, the middle channel, the Highest channel
- 8. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the Y axis positioning which it is worse case.
- 9. Repeat above procedures until all frequencies measured was complete.

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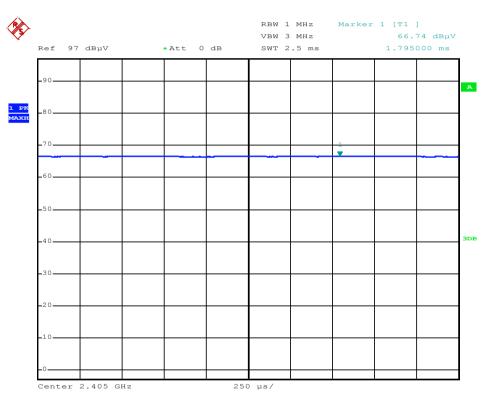
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6.3.3 Measurement Data

An initial pre-scan was performed in the 3m chamber using the spectrum analyser in peak detection mode. The EUT was measured with 2 orthogonal polarities and frequencies of average emissions from the EUT were measured as follows:

Emission at the fundemental frequency for the pulse modulated device was measured with the peak detector function of the test receiver and was properly adjusted for the duty cycle correction factor as pulse desensitization to calculate the average emission value.

Time Domain Plots (Fundamental frequency of Transmitter) :



According to above plot, the duty cycle of the this device is 100%, plused operation according to C63.10 clause 7.5 is not employed and the average correction calculation is not applied on this report.

Hence, the average measurement is used below setting:

Dectector = peak

 $RBW = \ge 1MHz$

 $VBW = \ge 1Hz$

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Test results :

(1) Fundmental Frequency

| Frequency | Antenna | Emission Level (dBµV/m) | | Limit (dBµV/m) | | Remark |
|-----------|--------------|-------------------------|---------|----------------|---------|--------|
| (MHz) | Polarization | Peak | Average | Peak | Average | Remark |
| 2405.0 | Н | 73.74 | 45.77 | 114 | 94 | Pass |
| 2405.0 | V | 75.96 | 45.78 | 114 | 94 | Pass |
| 2445.0 | Н | 72.44 | 45.75 | 114 | 94 | Pass |
| 2445.0 | V | 76.44 | 45.72 | 114 | 94 | Pass |
| 2470.0 | Н | 71.16 | 45.83 | 114 | 94 | Pass |
| 2470.0 | V | 77.25 | 46.64 | 114 | 94 | Pass |

(2) Spurious Emission

Operation Frequency : 2405.0 MHz

| Frequency | Antenna | Emission Level (dBµV/m) | | Limit (dBµV/m) | | Remark |
|-----------|--------------|-------------------------|---------|----------------|---------|--------|
| (MHz) | Polarization | Peak | Average | Peak | Average | Remark |
| 4810.000 | V | 41.80 | 27.03 | 74 | 54 | Pass |
| 5763.000 | Н | 45.00 | 29.52 | 74 | 54 | Pass |
| 7215.000 | Н | 45.80 | 30.92 | 74 | 54 | Pass |
| 8653.000 | V | 50.10 | 35.11 | 74 | 54 | Pass |
| 9620.000 | Н | 47.60 | 32.50 | 74 | 54 | Pass |
| 10452.000 | V | 50.10 | 35.32 | 74 | 54 | Pass |

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| Frequency | Antenna | Emission Level (dBµV/m) | | Limit (dBµV/m) | | Remark |
|-----------|--------------|-------------------------|---------|----------------|---------|--------|
| (MHz) | Polarization | Peak | Average | Peak | Average | Kemark |
| 4890.000 | V | 40.70 | 24.99 | 74 | 54 | Pass |
| 5579.000 | Н | 44.60 | 29.77 | 74 | 54 | Pass |
| 7335.000 | Н | 47.30 | 32.41 | 74 | 54 | Pass |
| 8668.000 | Н | 50.30 | 35.31 | 74 | 54 | Pass |
| 9780.000 | Н | 46.80 | 31.69 | 74 | 54 | Pass |
| 10450.000 | V | 50.60 | 35.24 | 74 | 54 | Pass |

Operation Frequency : 2445.0 MHz

Operation Frequency : 2470.0 MHz

| Frequency | Antenna | Emission Level (dBµV/m) | | Limit (d | dBµV/m) | Remark |
|-----------|--------------|-------------------------|---------|----------|---------|--------|
| (MHz) | Polarization | Peak | Average | Peak | Average | Remark |
| 4940.000 | Н | 40.10 | 25.51 | 74 | 54 | Pass |
| 5947.000 | V | 44.00 | 29.16 | 74 | 54 | Pass |
| 7410.000 | V | 47.50 | 32.37 | 74 | 54 | Pass |
| 8667.000 | Н | 50.30 | 35.42 | 74 | 54 | Pass |
| 9880.000 | V | 48.30 | 32.93 | 74 | 54 | Pass |
| 10436.000 | Н | 51.60 | 35.88 | 74 | 54 | Pass |

Note:

- 1) The above results were the worst case results with the EUT positioned in all 3 axis during the test. The EUT was positioned vertically and horizontally on the table for vertical and horizontal measurement respectively.
- 2) Other emissions more than 20dB below the limit are not shown on the above table and only worst six emissions below 1GHz are listed.
- 3) There is not any other emission which falls in restricted bands which set out in Section 15.205 Restricted bands can be detected and reported.

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6.4 Restricted-band band-edge measurements (Radiated Emission)

| Test Requirement: | FCC Part15 Subpart C Section 15.215, 15.249(d) | | | | |
|-----------------------|--|-------------------------|------------------|--|--|
| Test Method: | ANSI C63.10 | | | | |
| Measurement Distance: | 3m | | | | |
| Detector: | (1MHz resolution bandwidth | , 3MHz video bandwidth) | | | |
| | Average and Peak detector | | | | |
| 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 field strength limits listed in RSS-Gen, | | | | |
| | whichever is less stringent. Frequency Limit (dBuV/m @3m) Remark | | | | |
| | 30MHz-88MHz | 40.0 | Quasi-peak Value | | |
| | 88MHz-216MHz | 43.5 | Quasi-peak Value | | |
| | 216MHz-960MHz | 46.0 | Quasi-peak Value | | |
| | 960MHz-1GHz | 54.0 | Quasi-peak Value | | |
| | | 54.0 | Average Value | | |
| | Above 1GHz | 74.0 | Peak Value | | |
| Test Date: | 2017-05-31 | | | | |
| EUT Operation: | 1: Transmission with GFSK | | | | |
| Result: | Pass | | | | |

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Test results : (Worst case: Transmissin with GFSK)

Operation frequency : 2405.0 MHz

| Frequency | Antenna | Emission Lev | vel (dBµV/m) | Limit (d | BµV/m) | Remark |
|-----------|--------------|--------------|--------------|----------|---------|--------|
| (MHz) | Polarization | Peak | Average | Peak | Average | Roman |
| 2400.0 | V | 55.75 | 42.32 | 74 | 54 | Pass |

Operation frequency : 2470.0 MHz

| Frequency | Antenna | Emission Level (dBµV/m) | | Limit (dBµV/m) | | Remark |
|-----------|--------------|-------------------------|---------|----------------|---------|--------|
| (MHz) | Polarization | Peak | Average | Peak | Average | Roman |
| 2483.5 | V | 56.85 | 42.93 | 74 | 54 | Pass |

According to above bandedge measurement, emissions radiated outside of the specified frequency bands, (2400-2483.5)MHz except for harmonics, are below general field strength limits under 15.209 It is deemed to comply with section 15.215 and 15.249(d)

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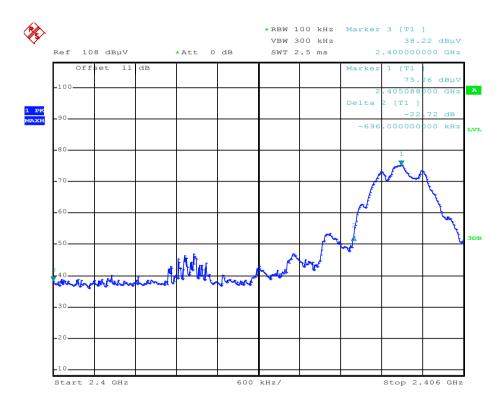
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6.5 20 dB Bandwidth

| Test Requirement: | FCC Part15 Subpart C Section 15.215 |
|-------------------|-------------------------------------|
| Test Method: | ANSI C63.10:2013 |
| Test Date: | 2017-05-31 |
| EUT Operation: | 1: Transmission with GFSK |
| Result: | Pass |

Test Plot : (Worst case: Transmission with GFSK)

Operation frequency : 2405.0 MHz



According to above plot, 20dB bandwidth falls in assigned band (2400-2483.5)MHz. It is deemed to comply with section 15.215

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Ø *RBW 100 kHz Marker 3 [T1] 38,92 dBuV VBW 300 kHz Ref 111 dBuV *Att 0 dB 2.483500000 GHz SWT 2.5 ms Markei [T1 110 Offset dB 1 dBµV 170073 00 GHz LOI Delta PP 07 dB 00000 00 kH: LVL 80 3DB ٢I I A Stop 2.4835 GHz Start 2,469 GHz 1.45 MHz/

Operation frequency : 2470.0 MHz

According to above plot, 20dB bandwidth falls in assigned band (2400-2483.5)MHz. It is deemed to comply with section 15.215

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7 Photographs

7.1 EUT Constructional Details



- END OF REPORT --

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