TEST REPORT

Reference No.....: WTF17S1195717-1E

FCC ID: XNZECX13008

Applicant.....: KATUMFEL INDUSTRY LIMITED(HK)

Address.....: FuCheng Industrial Town, HongTian, ShaJing, ShenZhen, Hong Kong

Manufacturer: KATUMFEL INDUSTRY LIMITED(HK)

Address.....: FuCheng Industrial Town, HongTian, ShaJing, ShenZhen, Hong Kong

Product.....: REPLACEMENT TRANSMITTER

Model(s) : ECX13008

Standards : FCC CFR47 Part 15 Section 15.249:2017

Date of Receipt sample ... : 2017-11-21

Date of Test 2017-11-22 to 2017-12-11

obin.Zhou

Date of Issue..... : 2017-12-12

Test Result.....: Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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1 Laboratories Introduction

Waltek Services Test Group Ltd. is one of the largest and the most comprehensive third party testing organizations in China, our headquarter located in Shenzhen (CNAS Registration No. L3110, A2LA Certificate Number: 4243.01) and have branches in Foshan (CNAS Registration No. L6478), Dongguan (CNAS Registration No. L9950), Zhongshan, Suzhou (CNAS Registration No. L7754), Ningbo and Hong Kong, Our test capability covered four large fields: safety test. Electronic Magnetic Compatibility(EMC), reliability and energy performance, Chemical test. Meanwhile, Waltek has got recognition as registration and accreditation laboratory from EMSD (Electrical and Mechanical Services Department), and American Energy star, FCC(The Federal Communications Commission), CPSC(Consumer Product Safety Commission), CEC(California energy efficiency), IC(Industry Canada) and ELI(Efficient Lighting Initiative). It's the strategic partner and data recognition laboratory of international authoritative organizations, such as UL, Intertek(ETL-SEMKO), CSA, TÜV Rheinland, TÜV SÜD, etc. As a professional, comprehensive, justice international test organization, we still keep the scientific and rigorous work attitude to help each client satisfy the international standards and assist their product enter into globe market smoothly.

Waltek Services (Shenzhen) Co., Ltd.

A. Accreditations for Conformity Assessment (International)

| Country/Region | Accreditation Body | Scope | Note |
|----------------|---|--------------------|------|
| USA | | FCC ID \ DOC \ VOC | 1 |
| Canada | | IC ID \ VOC | 2 |
| Japan | CNAS | MIC-T \ MIC-R | - |
| Europe | (Registration No.: L3110) - A2LA - (Certificate No.: 4243.01) | EMCD \ RED | - |
| Taiwan | | NCC | - |
| Hong Kong | | OFCA | - |
| Australia | | RCM | - |
| India | | WPC | - |
| Thailand | International Services | NTC | - |
| Singapore | | IDA | - |
| Note: | | | |

1. FCC Designation No.: CN1201. Test Firm Registration No.: 523476.

2. IC Canada Registration No.: 7760A

B. TCBs and Notify Bodies Recognized Testing Laboratory.

| Recognized Testing Laboratory of | Notify body number |
|--|--------------------|
| TUV Rheinland | |
| Intertek | Ontional |
| TUV SUD | Optional. |
| SGS | |
| Phoenix Testlab GmbH | 0700 |
| Element Materials Technology Warwick Ltd | 0891 |
| Timco Engineering, Inc. | 1177 |
| Eurofins Product Service GmbH | 0681 |

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3 Revision History

| Test report No. | Date of Receipt sample | Date of Test | Date of Issue | Purpose | Comment | Approved |
|------------------|------------------------------|-----------------------------|---------------|----------|---------|----------|
| WTF17S1195717-1E | 2017-11-21 | 2017-11-22 to 2017-12-11 | 2017-12-12 | original | - | Valid |

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4 General Information

4.1 General Description of E.U.T.

Product :REPLACEMENT TRANSMITTER

Model(s) :ECX13008

Model Differences :N/A

Type of Modulation :GFSK

Frequency Range :2405MHz-2478MHz, 74 Channels in total

Antenna installation : Internal Integrated Antenna

Antenna Gain :3.0dBi

Hardware Version :KTH-90900-09 V2.0

Software Version :V3 V1.0

4.2 Details of E.U.T.

Ratings : Battery 4*1.5V AA 300mA

4.3 Channel List

| Channel No. | Frequency (MHz) | Channel No. | Frequency (MHz) | Channel No. | Frequency (MHz) |
|----------------|--------------------|----------------|--------------------|----------------|--------------------|
| 1 | 2405 | 2 | 2406 | 3 | 2407 |
| 4 | 2408 | 5 | 2409 | 6 | 2410 |
| 7 | 2411 | 8 | 2412 | 9 | 2413 |
| 10 | 2414 | 11 | 2415 | 12 | 2416 |
| 13 | 2417 | 14 | 2418 | 15 | 2419 |
| 16 | 2420 | 17 | 2421 | 18 | 2422 |
| 19 | 2423 | 20 | 2424 | 21 | 2425 |
| 22 | 2426 | 23 | 2427 | 24 | 2428 |
| 25 | 2429 | 26 | 2430 | 27 | 2431 |
| 28 | 2432 | 29 | 2433 | 30 | 2434 |
| 31 | 2435 | 32 | 2436 | 33 | 2437 |
| 34 | 2438 | 35 | 2439 | 36 | 2440 |
| 37 | 2441 | 38 | 2442 | 39 | 2443 |
| 40 | 2444 | 41 | 2445 | 42 | 2446 |
| 43 | 2447 | 44 | 2448 | 45 | 2449 |
| 46 | 2450 | 47 | 2451 | 48 | 2452 |
| 49 | 2453 | 50 | 2454 | 51 | 2455 |

| Channel No. | Frequency (MHz) | Channel No. | Frequency (MHz) | Channel No. | Frequency (MHz) |
|----------------|--------------------|----------------|--------------------|----------------|--------------------|
| 52 | 2456 | 53 | 2457 | 54 | 2458 |
| 55 | 2459 | 56 | 2460 | 57 | 2461 |
| 58 | 2462 | 59 | 2463 | 60 | 2464 |
| 61 | 2465 | 62 | 2466 | 63 | 2467 |
| 64 | 2468 | 65 | 2469 | 66 | 2470 |
| 67 | 2471 | 68 | 2472 | 69 | 2473 |
| 70 | 2474 | 71 | 2475 | 72 | 2476 |
| 73 | 2477 | 74 | 2478 | N/A | N/A |

4.4 Test Mode

All test mode(s) and condition(s) mentioned were considered and evaluated respectively by performing full tests, the worst data were recorded and reported.

Table 1 Tests carried out under FCC part 15.249&15.209&15.205

| Test mode Low channel | | Middle channel | High channel |
|-----------------------|---------|----------------|--------------|
| Transmitting | 2405MHz | 2441MHz | 2478MHz |

5 Equipment Used during Test

5.1 Equipments List

| 3m S | Bm Semi-anechoic Chamber for Radiation Emissions | | | | | | | |
|------|--|-------------------------|-------------|-------------|--------------------------|-------------------------|--|--|
| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Calibration Date | Calibration Due Date | | |
| 1 | Spectrum Analyzer | R&S | FSP30 | 100091 | 2017-04-29 | 2018-04-28 | | |
| 2 | Broad-band Horn Antenna(1-18GHz) | SCHWARZBECK | BBHA 9120 D | 667 | 2017-04-09 | 2018-04-08 | | |
| 3 | Broadband Preamplifier | COMPLIANCE DIRECTION | PAP-1G18 | 2004 | 2017-04-13 | 2018-04-12 | | |
| 4 | Coaxial Cable (above 1GHz) | Тор | 1GHz-18GHz | EW02014-7 | 2017-04-13 | 2018-04-12 | | |
| 5 | Spectrum Analyzer | R&S | FSP40 | 100501 | 2017-10-20 | 2018-10-19 | | |
| 6 | Broad-band Horn Antenna(18-40GHz) | SCHWARZBECK | BBHA 9170 | BBHA9170651 | 2017-10-25 | 2018-10-24 | | |
| 7 | Microwave Broadband Preamplifier (18-40GHz) | SCHWARZBECK | BBV 9721 | 100472 | 2017-10-25 | 2018-10-24 | | |
| 8 | Cable | Тор | 18-40GHz | - | 2017-10-25 | 2018-10-24 | | |
| 3m S | emi-anechoic Chamb | er for Radiation E | missions | | | | | |
| Item | Equipment | Manufacturer | Model No. | Serial No | Last Calibration Date | Calibration Due Date | | |
| 1 | Test Receiver | R&S | ESCI | 101296 | 2017-04-13 | 2018-04-12 | | |
| 2 | Trilog Broadband Antenna | SCHWARZBECK | VULB9160 | 9160-3325 | 2017-04-13 | 2018-04-12 | | |
| 3 | Active Loop Antenna | Beijing Dazhi | ZN30900A | - | 2017-04-09 | 2018-04-08 | | |
| 4 | Amplifier | ANRITSU | MH648A | M43381 | 2017-04-13 | 2018-04-12 | | |
| 5 | Cable | HUBER+SUHNE R | CBL2 | 525178 | 2017-04-13 | 2018-04-12 | | |
| 6 | Coaxial Cable (below 1GHz) | Тор | TYPE16(13M) | - | 2017-09-12 | 2018-09-11 | | |
| RF C | RF Conducted Testing | | | | | | | |
| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Calibration Date | Calibration Due Date | | |
| 1 | Spectrum Analyzer | R&S | FSP30 | 100091 | 2017-04-29 | 2018-04-28 | | |

5.2 Measurement Uncertainty

| Parameter | Uncertainty |
|-------------------|-------------------------------|
| Radio Frequency | $\pm 1 \times 10^{-6}$ |
| RF Power | ± 1.0 dB |
| RF Power Density | ± 2.2 dB |
| | ± 5.03 dB |
| Radiated Spurious | (Bilog antenna 30M~1000MHz) |
| Emissions test | ± 5.47 dB |
| | (Horn antenna 1000M~25000MHz) |

6 Test Summary

| Test Items | Test Requirement | Result |
|--------------------------|------------------|--------|
| Conducted Emissions | 15.207 | N/A* |
| | 15.249(a) | |
| Radiated Emission | 15.209 | Pass |
| | 15.205(a) | |
| | 15.249 | |
| Outside of Band Emission | 15.205 | Pass |
| | 15.209 | |
| 20dB Bandwidth | 15:215(c) | Pass |
| Antenna Requirement | 15.203 | Pass |
| RF Exposure | 1.1307(b)(1) | Pass |

Note: Pass=Compliance; NC=Not Compliance; NT=Not Tested; N/A=Not Applicable *: The EUT is only powered by battery, no need to evaluate AC Power Conducted Emission.

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7 Radiation Emission Test

Test Requirement: FCC Part15 Paragraph 15.249&15.209&15.205

Test Method: ANSI 63.10:2010

Measurement Distance: 3m

Test Result: PASS

15.249(a)Limit:

| Fundamental frequency | Field strength of fundamental | | Field strength of harmonics | |
|-----------------------|-------------------------------|--------|-----------------------------|--------|
| | mV/m | dBuV/m | uV/m | dBuV/m |
| 902-928 MHz | 50 | 94 | 500 | 54 |
| 2400-2483.5 MHz | 50 | 94 | 500 | 54 |
| 5725-5875 MHz | 50 | 94 | 500 | 54 |
| 24.0-24.25 GHz | 250 | 108 | 2500 | 68 |

15.209 Limit:

| Frequency | | | Ţ. | at 3m Measurement Dist | |
|---------------|--------------|-----|---------------------|--------------------------------------|--|
| (MHz) | uV/m | (m) | uV/m | dBuV/m | |
| 0.009 ~ 0.490 | 2400/F(kHz) | 300 | 10000 * 2400/F(kHz) | 20log ^{(2400/F(kHz))} + 80 | |
| 0.490 ~ 1.705 | 24000/F(kHz) | 30 | 100 * 24000/F(kHz) | 20log ^{(24000/F(kHz))} + 40 | |
| 1.705 ~ 30 | 30 | 30 | 100 * 30 | 20log ⁽³⁰⁾ + 40 | |
| 30 ~ 88 | 100 | 3 | 100 | 20log ⁽¹⁰⁰⁾ | |
| 88 ~ 216 | 150 | 3 | 150 | 20log ⁽¹⁵⁰⁾ | |
| 216 ~ 960 | 200 | 3 | 200 | 20log ⁽²⁰⁰⁾ | |
| Above 960 | 500 | 3 | 500 | 20log ⁽⁵⁰⁰⁾ | |

Note: RF Voltage(dBuV)=20 log₁₀ RF Voltage(uV)

7.1 EUT Operation

Operating Environment:

Temperature: 23.5 °C
Humidity: 51.1 % RH
Atmospheric Pressure: 101.2kPa

Test Voltage: DC 6V by Batteries

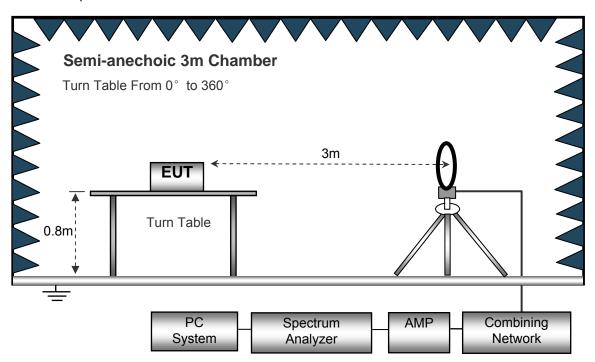
EUT Operation:

The test was performed in Transmitting mode.

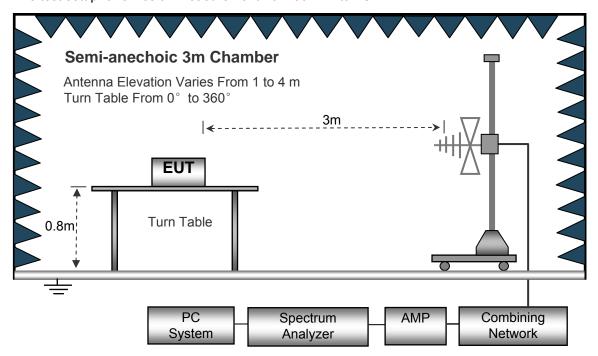
7.2 Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI 63.10:2010.

The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30MHz to 1GHz.



Anechoic 3m Chamber

Antenna Elevation Varies From 1 to 4 m

Turn Table From 0° to 360°

Turn Table

Absorbers

Spectrum

Analyzer

Combining

Network

AMP

The test setup for emission measurement above 1 GHz.

System

7.3 Spectrum Analyzer Setup

| Sweep Speed | . Auto |
|----------------------|--|
| IF Bandwidth | .10kHz |
| Video Bandwidth | .10kHz |
| Resolution Bandwidth | .10kHz |
| z | |
| Sweep Speed | . Auto |
| Detector | .PK |
| Resolution Bandwidth | .100kHz |
| Video Bandwidth | .300kHz |
| | |
| Sweep Speed | . Auto |
| Detector | .PK |
| Resolution Bandwidth | .1MHz |
| Video Bandwidth | .3MHz |
| Detector | .Ave. |
| Resolution Bandwidth | .1MHz |
| Video Bandwidth | .10Hz |
| | Sweep Speed Detector Resolution Bandwidth Video Bandwidth Sweep Speed Detector Resolution Bandwidth Video Bandwidth |

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7.4 Test Procedure

1. 1The EUT is placed on a turntable. For below 1GHz, the EUT is 0.8m above ground plane; For above1GHz, the EUT is 1.5m above ground plane.

- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions. The spectrum was investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 6. Repeat above procedures until the measurements for all frequencies are complete.
- 7. The radiation measurements are tested under 3-axes(X,Y,Z) position(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand), After pre-test, It was found that the worse radiation emission was get at the X position. So the data shown was the X position only.

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7.5 Test Result

Test Frequency: 9 KHz ~ 30 MHz

The measurements were more than 20 dB below the limit and not reported.

Test Frequency: 30MHz ~ 18GHz

| Frequency Receiver Reading Detector | Turn table Angle | RX Antenna | | Corrected | Corrected | | | | |
|-------------------------------------|------------------------|-------------|--------|-----------|-----------|--------|----------|----------|--------|
| | | Height | Polar | Factor | Amplitude | Limit | Margin | | |
| (MHz) | (dBµV) | (PK/QP/Ave) | Degree | (m) | (H/V) | (dB) | (dBµV/m) | (dBµV/m) | (dB) |
| | GFSK Low Channel | | | | | | | | |
| 845.09 | 30.07 | QP | 149 | 1.2 | Н | -2.15 | 27.92 | 46.00 | -18.08 |
| 845.09 | 27.42 | QP | 94 | 1.8 | V | -2.15 | 25.27 | 46.00 | -20.73 |
| 2405.00 | 111.13 | PK | 108 | 1.5 | Н | -11.86 | 99.27 | 114.00 | -14.73 |
| 2405.00 | 86.07 | Ave | 108 | 1.5 | Н | -11.86 | 74.21 | 94.00 | -19.79 |
| 4810.00 | 58.85 | PK | 114 | 1.0 | Н | -5.22 | 53.63 | 74.00 | -20.37 |
| 4810.00 | 33.79 | Ave | 114 | 1.0 | Н | -5.22 | 28.57 | 54.00 | -25.43 |
| 7215.00 | 61.02 | PK | 6 | 1.3 | Н | 0.74 | 61.76 | 74.00 | -12.24 |
| 7215.00 | 35.96 | Ave | 6 | 1.3 | Н | 0.74 | 36.70 | 54.00 | -17.30 |
| 2337.03 | 45.78 | PK | 6 | 1.3 | V | -13.19 | 32.59 | 74.00 | -41.41 |
| 2337.03 | 38.76 | Ave | 6 | 1.3 | V | -13.19 | 25.57 | 54.00 | -28.43 |
| 2381.29 | 43.75 | PK | 166 | 1.1 | Н | -13.14 | 30.61 | 74.00 | -43.39 |
| 2381.29 | 37.69 | Ave | 166 | 1.1 | Н | -13.14 | 24.55 | 54.00 | -29.45 |
| 2489.51 | 44.77 | PK | 28 | 1.6 | V | -13.08 | 31.69 | 74.00 | -42.31 |
| 2489.51 | 37.28 | Ave | 28 | 1.6 | V | -13.08 | 24.20 | 54.00 | -29.80 |

| | Receiver | | Turn | RX Antenna Corrected | | Corrected | | | |
|-----------|---------------------|----------------|-----------|----------------------|--------|-----------|----------|----------|--------|
| Frequency | Reading | Detector table | Amplitude | Limit | Margin | | | | |
| (MHz) | (dBµV) | (PK/QP/Ave) | Degree | (m) | (H/V) | (dB) | (dBµV/m) | (dBµV/m) | (dB) |
| | GFSK Middle Channel | | | | | | | | |
| 845.09 | 30.70 | QP | 251 | 1.2 | Н | -2.15 | 28.55 | 46.00 | -17.45 |
| 845.09 | 28.32 | QP | 99 | 1.6 | V | -2.15 | 26.17 | 46.00 | -19.83 |
| 2441.00 | 111.31 | PK | 111 | 1.8 | V | -11.73 | 99.58 | 114.00 | -14.42 |
| 2441.00 | 87.00 | Ave | 111 | 1.8 | V | -11.73 | 75.27 | 94.00 | -18.73 |
| 4882.00 | 59.37 | PK | 69 | 1.7 | Н | -5.00 | 54.37 | 74.00 | -19.63 |
| 4882.00 | 35.06 | Ave | 69 | 1.7 | Н | -5.00 | 30.06 | 54.00 | -23.94 |
| 7323.00 | 62.08 | PK | 286 | 1.2 | Н | 1.03 | 63.11 | 74.00 | -10.89 |
| 7323.00 | 37.77 | Ave | 286 | 1.2 | Н | 1.03 | 38.80 | 54.00 | -15.20 |
| 2318.05 | 45.81 | PK | 286 | 1.2 | V | -13.19 | 32.62 | 74.00 | -41.38 |
| 2318.05 | 37.58 | Ave | 286 | 1.2 | V | -13.19 | 24.39 | 54.00 | -29.61 |
| 2387.62 | 44.63 | PK | 172 | 1.4 | Н | -13.14 | 31.49 | 74.00 | -42.51 |
| 2387.62 | 38.19 | Ave | 172 | 1.4 | Н | -13.14 | 25.05 | 54.00 | -28.95 |
| 2498.69 | 43.46 | PK | 300 | 1.3 | V | -13.08 | 30.38 | 74.00 | -43.62 |
| 2498.69 | 36.63 | Ave | 300 | 1.3 | V | -13.08 | 23.55 | 54.00 | -30.45 |

| Receiver | | Turn | RX Antenna | | Corrected | Corrected | | | |
|-----------|-------------------|----------------|------------|-------|-----------|-----------|----------|----------|--------|
| Frequency | | table Angle | Height | Polar | Factor | Amplitude | Limit | Margin | |
| (MHz) | (dBµV) | (PK/QP/Ave) | Degree | (m) | (H/V) | (dB) | (dBµV/m) | (dBµV/m) | (dB) |
| | GFSK High Channel | | | | | | | | |
| 845.09 | 31.20 | QP | 80 | 1.7 | Н | -2.15 | 29.05 | 46.00 | -16.95 |
| 845.09 | 27.24 | QP | 262 | 1.3 | V | -2.15 | 25.09 | 46.00 | -20.91 |
| 2478.00 | 110.97 | PK | 98 | 1.3 | V | -11.59 | 99.38 | 114.00 | -14.62 |
| 2478.00 | 87.36 | Ave | 98 | 1.3 | V | -11.59 | 75.77 | 94.00 | -18.23 |
| 4956.00 | 64.58 | PK | 183 | 1.9 | Н | -4.81 | 59.77 | 74.00 | -14.23 |
| 4956.00 | 40.97 | Ave | 183 | 1.9 | Н | -4.81 | 36.16 | 54.00 | -17.84 |
| 7434.00 | 53.60 | PK | 259 | 1.5 | Н | 1.32 | 54.92 | 74.00 | -19.08 |
| 7434.00 | 29.99 | Ave | 259 | 1.5 | Н | 1.32 | 31.31 | 54.00 | -22.69 |
| 2337.29 | 45.97 | PK | 259 | 1.5 | V | -13.19 | 32.78 | 74.00 | -41.22 |
| 2337.29 | 38.77 | Ave | 259 | 1.5 | V | -13.19 | 25.58 | 54.00 | -28.42 |
| 2388.79 | 43.93 | PK | 294 | 1.7 | Н | -13.14 | 30.79 | 74.00 | -43.21 |
| 2388.79 | 36.07 | Ave | 294 | 1.7 | Н | -13.14 | 22.93 | 54.00 | -31.07 |
| 2488.64 | 42.37 | PK | 239 | 1.4 | V | -13.08 | 29.29 | 74.00 | -44.71 |
| 2488.64 | 38.49 | Ave | 239 | 1.4 | V | -13.08 | 25.41 | 54.00 | -28.59 |

Test Frequency: From 18GHz to 25GHz

The measurements were more than 20 dB below the limit and not reported.

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8 Outside of Band Emission

Test Requirement: 15.249(d):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.

Test Method: ANSI 63.10:2010

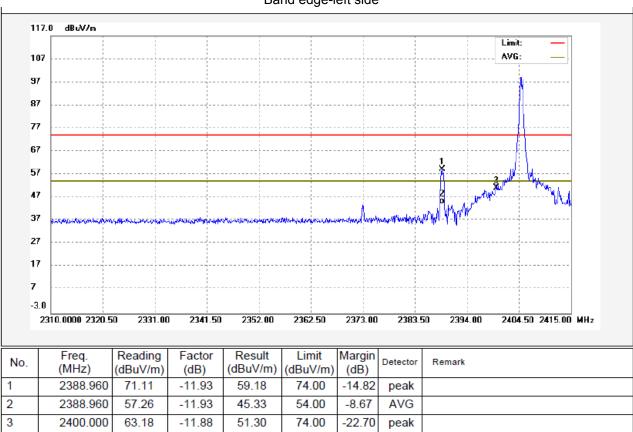
Test Mode: Transmitting

8.1 Test Procedure

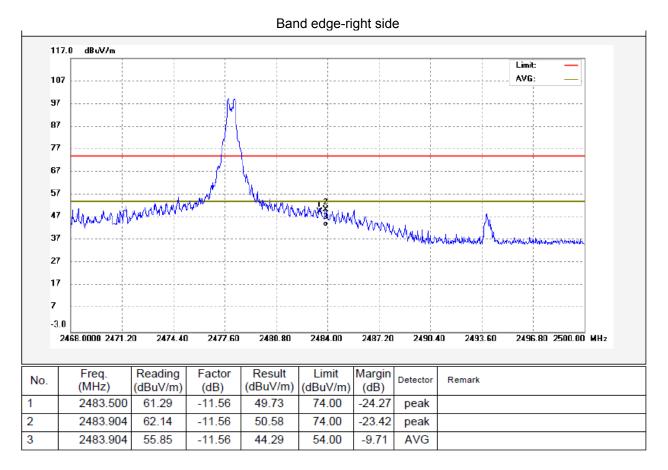
Refer to section 7.4 of this test report.

8.2 Test Result

Band edge-left side



Remark: The worst case (Vertical) was recoded.



Remark: The worst case (Vertical) was recoded.

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9 Bandwidth Measurement

Test Requirement: FCC CFR47 Part 15 Section 15.215(c)

Test Method: ANSI C63.10:2010

Test Mode: Transmitting

9.1 Test Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;

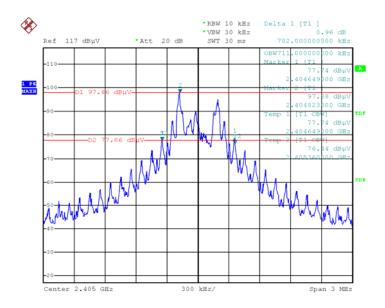
2. Set the spectrum analyzer: RBW = 10 kHz, VBW = 30 kHz

9.2 Test Result

| Operation mode | 20dB Bandwidth (KHz) | 99% Bandwidth (KHz) |
|----------------|----------------------|---------------------|
| Low channel | 702.00 | 711.00 |
| Middle channel | 702.00 | 708.00 |
| High channel | 702.00 | 717.00 |

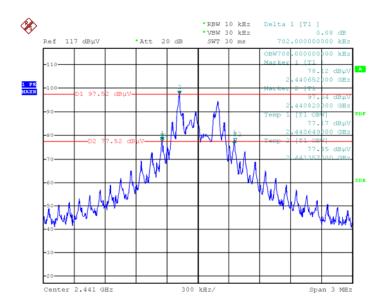
Test result plot as follows:

Mode: Low channel

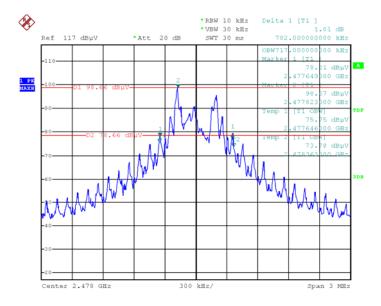


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Mode: Middle channel



Mode: High channel



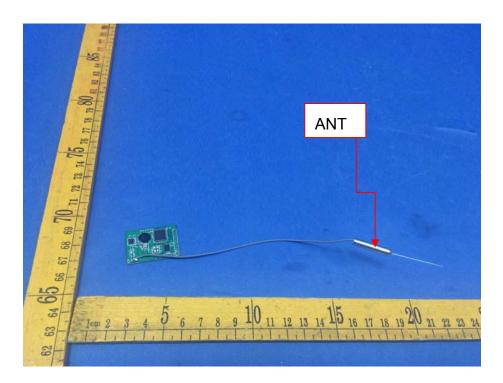
10 Antenna Requirement

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 shall be considered sufficient to comply with the provisions of this section. 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

For intentional device, according to FCC 47 CFR 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.

Result:

The EUT has one Internal Integrated Antenna, the gain is 3dBi. meets the requirements of FCC 15.203.



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11 RF Exposure

Note: Please refer to RF Exposure test report: WTF17S1195717-2E.

12 Photographs- ECX13008 Test Setup Photos

Note: Please refer to RF Exposure test report: WTF17S1195717-3E.

13 Photographs - Constructional Details

13.1 Photographs – Model ECX13008 External Photos

Note: Please refer to RF Exposure test report: WTF17S1195717-3E.

13.2 Photographs – Model ECX13008 Internal Photos

Note: Please refer to RF Exposure test report: WTF17S1195717-3E.

=====End of Report=====