

# **FCC RADIO TEST REPORT**

## **FCC ID: 2BARM-WE1**

**Product:** WinEye

**Trade Mark:** N/A

**Model No.:** WE1

**Family Model:** WE2, WE3

**Report No.:** N26012000216E

**Issue Date:** Mar. 19, 2026

### **Prepared for**

Hangzhou Fanhan Technology Co.,Ltd.  
2-1003, No. 6, Lianhui Street, Xixing Street, Binjiang District, Hangzhou,  
Zhejiang, China

### **Prepared by**

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## TEST RESULT CERTIFICATION

**Applicant's name** ..... : Hangzhou Fanhan Technology Co.,Ltd.  
**Address** ..... : 2-1003, No. 6, Lianhui Street, Xixing Street, Binjiang District, Hangzhou,  
Zhejiang, China  
**Manufacturer's Name** ..... : Hangzhou Fanhan Technology Co.,Ltd.  
**Address** ..... : 2-1003, No. 6, Lianhui Street, Xixing Street, Binjiang District, Hangzhou,  
Zhejiang, China

**Product description**

**Product name** ..... : WinEye  
**Trademark** ..... : N/A  
**Model and/or type reference** ..... : WE1  
**Family Model** ..... : WE2, WE3  
**Test Sample Number** ..... : S2601210193-1#  
**Standards** ..... : FCC Part15.407  
**Test procedure** ..... : ANSI C63.10-2020+Cor 1-2023  
KDB 789033 D02 General UNII Test Procedures New Rules v02r01  
KDB 905462 D03 Client Without DFS New Rules v01r02  
KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

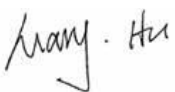
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**Date of Test** .....

**Date (s) of performance of tests** ..... Jan. 20, 2026 ~ Mar. 19, 2026

**Date of Issue** ..... Mar. 19, 2026

**Test Result** ..... **Pass**

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Reviewed By :   
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(Supervisor)

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Alex Li  
(Manager)

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Revision History

| Report No.    | Version | Description             | Issued Date   |
|---------------|---------|-------------------------|---------------|
| N26012000216E | Rev.01  | Initial issue of report | Mar. 19, 2026 |
|               |         |                         |               |
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## 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

| FCC Part15 (15.407) , Subpart E              |                                         |          |          |
|----------------------------------------------|-----------------------------------------|----------|----------|
| Standard Section                             | Test Item                               | Judgment | Remark   |
| 15.207                                       | AC Power Line Conducted Emissions       | PASS     |          |
| 15.209(a),<br>15.407 (b)(1)<br>15.407 (b)(4) | Spurious Radiated Emissions             | PASS     |          |
| 15.407 (a)                                   | 26 dB and 99% Emission Bandwidth        | PASS     |          |
| 15.407(e)                                    | Minimum 6 dB bandwidth                  | PASS     |          |
| 15.407 (a)                                   | Maximum Conducted Output Power          | PASS     |          |
| 15.407 (b)(1)<br>15.407 (b)(4)               | Band Edge                               | PASS     |          |
| 15.407 (a)                                   | Power Spectral Density                  | PASS     |          |
| 15.407(b)                                    | Spurious Emissions at Antenna Terminals | PASS     |          |
| 15.407(g)                                    | Frequency Stability Measurement         | PASS     |          |
| 15.203                                       | Antenna Requirement                     | PASS     |          |
| 15.407(c)                                    | Automatically discontinue transmission  | PASS     | (Note 3) |

### NOTE:

(1) "N/A" denotes test is not applicable in this Test Report

(2) This device operates with a duty cycle greater than 99%

(3) The product is a client device, and the data transmission is limited by the AP.

When the information to be sent is missing or the operation fails, the device will automatically stop sending and directly connect to the AP correctly again.

## 1.1 FACILITIES AND ACCREDITATIONS

### FACILITIES

All measurement facilities used to collect the measurement data are located at  
No. 24 Xinfu East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong,  
People's Republic of China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

### LABORATORY ACCREDITATIONS AND LISTINGS

#### Site Description

CNAS-Lab. : The Certificate Registration Number is L5516.

IC-Registration : The Certificate Registration Number is 9270A.  
CAB identifier: CN0074

FCC- Accredited : Test Firm Registration Number: 463705.  
Designation Number: CN1184

A2LA-Lab. : The Certificate Registration Number is 4298.01

Name of Firm : Shenzhen NTEK Testing Technology Co., Ltd.

Site Location : No. 24 Xinfu East Road, Xiangshan Community, Xinqiao Street, Baoan District,  
Shenzhen, Guangdong, People's Republic of China

## 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , 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 %.

| No. | Item                                | Uncertainty             |
|-----|-------------------------------------|-------------------------|
| 1   | Conducted Emission Test             | $\pm 2.80\text{dB}$     |
| 2   | RF power, conducted                 | $\pm 0.16\text{dB}$     |
| 3   | Spurious emissions, conducted       | $\pm 0.21\text{dB}$     |
| 4   | All emissions, radiated(9KHz~30MHz) | $\pm 6\text{dB}$        |
| 5   | All emissions, radiated(30MHz~1GHz) | $\pm 2.64\text{dB}$     |
| 6   | All emissions, radiated(1GHz~6GHz)  | $\pm 2.40\text{dB}$     |
| 7   | All emissions, radiated( > 6GHz)    | $\pm 2.52\text{dB}$     |
| 8   | Temperature                         | $\pm 0.5^\circ\text{C}$ |
| 9   | Humidity                            | $\pm 2\%$               |
| 10  | Radio Frequency                     | $\pm 0.2\text{ppm}$     |
| 11  | Occupied bandwidth                  | $\pm 3.7\%$             |

## 2. GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

|                        |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                               |  |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Equipment              | WinEye                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                               |  |
| Trade Mark             | N/A                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                               |  |
| Model Name             | WE1                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                               |  |
| Family Model           | WE2, WE3                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                               |  |
| Model Difference       | All models have the same circuit and RF module, except for model names.                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                               |  |
| FCC ID                 | 2BARM-WE1                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                               |  |
| Product Description    | Mode Supported                                                                                                                                                                                                                                        | <input checked="" type="checkbox"/> 802.11a/n/ac/ax (20MHz channel bandwidth)<br><input checked="" type="checkbox"/> 802.11n/ac/ax (40MHz channel bandwidth)                                                                                                                                                  |  |
|                        | Data Rate                                                                                                                                                                                                                                             | 802.11a: 6/9/12/18/24/36/48/54Mbps;<br>802.11n (20MHz): MCS0-15, up to 144Mbps<br>802.11n (40MHz): MCS0-15, up to 300Mbps<br>802.11ac (20MHz): MCS0-8, up to 173.4Mbps<br>802.11ac (40MHz): MCS0-9, up to 400Mbps<br>802.11ax (20MHz): MCS0-11, up to 286.8Mbps<br>802.11ax (40MHz): MCS0-11, up to 573.5Mbps |  |
|                        | Modulation                                                                                                                                                                                                                                            | 802.11a:OFDM (BPSK / QPSK / 16QAM/64QAM)<br>802.11n:OFDM (QPSK/BPSK/16QAM/64QAM)<br>802.11ac:OFDM (QPSK/BPSK/16QAM/64QAM/<br>256QAM)<br>802.11ax: OFDMA (QPSK/BPSK/16QAM/64QAM/<br>256QAM/1024QAM)                                                                                                            |  |
|                        | Operating Frequency Range                                                                                                                                                                                                                             | <input checked="" type="checkbox"/> U-NII-1: 5150 MHz ~5250MHz<br><input checked="" type="checkbox"/> U-NII-3: 5725 MHz ~5850 MHz                                                                                                                                                                             |  |
|                        | Function:                                                                                                                                                                                                                                             | <input type="checkbox"/> Outdoor AP <input type="checkbox"/> Indoor AP <input type="checkbox"/> Fixed P2P<br><input checked="" type="checkbox"/> Client                                                                                                                                                       |  |
|                        | DFS type:                                                                                                                                                                                                                                             | <input type="checkbox"/> master devices<br><input type="checkbox"/> Slave devices with radar detection<br><input checked="" type="checkbox"/> Slave devices without radar detection                                                                                                                           |  |
|                        | Support TPC                                                                                                                                                                                                                                           | <input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO                                                                                                                                                                                                                                        |  |
|                        | Antenna Type                                                                                                                                                                                                                                          | PIFA Antenna                                                                                                                                                                                                                                                                                                  |  |
|                        | Antenna Gain                                                                                                                                                                                                                                          | 2.59 dBi                                                                                                                                                                                                                                                                                                      |  |
|                        | Based on the application, features, or specification exhibited in User's Manual, More details of EUT technical specification, please refer to the User's Manual.                                                                                      |                                                                                                                                                                                                                                                                                                               |  |
| Adapter                | Adapter 1<br>Model: TPA-98B050100UU01<br>Input: 100-240V~50/60Hz 0.15A<br>Output: 5.0V $\overline{\text{---}}$ 1.0A 5.0W<br>Adapter 2<br>Model: TPA-418G050200UU01<br>Input: 100-240V~50/60Hz 0.3A<br>Output: 5.0V $\overline{\text{---}}$ 2.0A 10.0W |                                                                                                                                                                                                                                                                                                               |  |
| Battery                | N/A                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                               |  |
| Rating                 | DC 5V from adapter                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                               |  |
| Connecting I/O Port(s) | Please refer to the User's Manual                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                               |  |
| HW Version             | N/A                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                               |  |
| FW version:            | N/A                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                               |  |
| SW Version             | N/A                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                               |  |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. Frequency and Channel list:

| Band    | 20MHz   |           | 40MHz   |           |
|---------|---------|-----------|---------|-----------|
|         | Channel | Frequency | Channel | Frequency |
| U-NII-1 | 36      | 5180 MHz  | 38      | 5190 MHz  |
|         | 40      | 5200 MHz  | 46      | 5230 MHz  |
|         | 44      | 5220 MHz  |         |           |
|         | 48      | 5240 MHz  |         |           |
| U-NII-3 | 149     | 5745 MHz  | 151     | 5755 MHz  |
|         | 153     | 5765 MHz  | 159     | 5795 MHz  |
|         | 157     | 5785 MHz  |         |           |
|         | 161     | 5805 MHz  |         |           |
|         | 165     | 5825 MHz  |         |           |

## 2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

| For Radiated Emission |                                                        |
|-----------------------|--------------------------------------------------------|
| Final Test Mode       | Description                                            |
| Mode 1                | Normal Link Mode                                       |
| Mode 2                | 802.11a/n/ac/ax20<br>CH36/ CH40/CH48/CH149/CH157/CH165 |
| Mode 3                | 802.11n40/ac/ax40<br>CH38/CH46/CH151/CH159             |

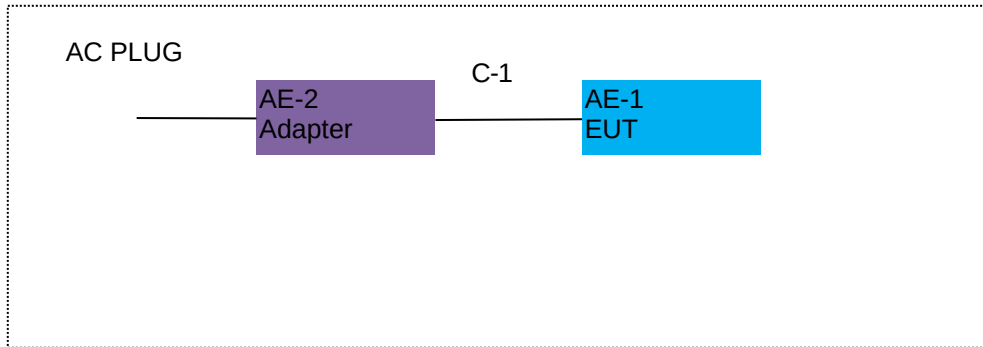
| For Conducted Emission |                                                        |
|------------------------|--------------------------------------------------------|
| Final Test Mode        | Description                                            |
| Mode 1                 | Normal Link Mode                                       |
| Mode 2                 | 802.11a/n/ac/ax20<br>CH36/ CH40/CH48/CH149/CH157/CH165 |
| Mode 3                 | 802.11n40/ac/ax40<br>CH38/CH46/CH151/CH159             |

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported
- (3) In ax mode, RU allocation is not supported and it is a full carrier. Only the HE SU PPDU format operational mode.

### 2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

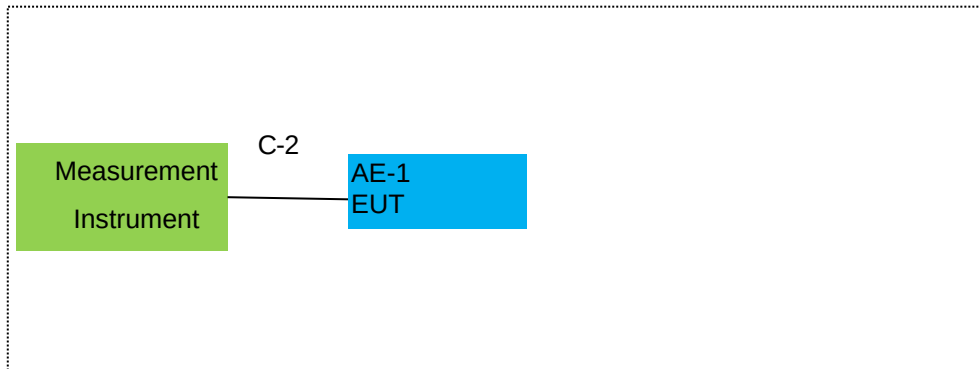
For AC Conducted Emission Mode



For Radiated Test Cases



For Conducted Test Cases



Note:1.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.

**2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)**

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Model/Type No.     | Series No. | Note        |
|------|-----------|--------------------|------------|-------------|
| AE-2 | Adapter 1 | TPA-98B050100UU01  | N/A        | Peripherals |
|      | Adapter 2 | TPA-418G050200UU01 | N/A        | Peripherals |
|      |           |                    |            |             |

| Item | Cable Type | Shielded Type | Ferrite Core | Length |
|------|------------|---------------|--------------|--------|
| C-1  | USB Cable  | YES           | NO           | 1.0m   |
| C-2  | RF Cable   | YES           | NO           | 0.1m   |
|      |            |               |              |        |
|      |            |               |              |        |
|      |            |               |              |        |

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

## 2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

### Radiation& Conducted Test equipment

| Item | Kind of Equipment                  | Manufacturer | Type No.    | Serial No.    | Last calibration | Calibrated until | Calibration period |
|------|------------------------------------|--------------|-------------|---------------|------------------|------------------|--------------------|
| 1    | Spectrum Analyzer                  | Agilent      | E4440A      | MY41000130    | 2025.04.24       | 2026.04.23       | 1 year             |
| 2    | Spectrum Analyzer                  | Agilent      | N9020A      | MY49100060    | 2025.04.17       | 2026.04.16       | 1 year             |
| 3    | Spectrum Analyzer                  | R&S          | FSV40       | 101417        | 2025.04.17       | 2026.04.16       | 1 year             |
| 4    | Test Receiver                      | R&S          | ESPI7       | 101318        | 2025.04.17       | 2026.04.16       | 1 year             |
| 5    | Bilog Antenna                      | TESEQ        | CBL6111D    | 31216         | 2025.04.17       | 2026.04.16       | 1 year             |
| 6    | 50Ω Coaxial Switch                 | Anritsu      | MP59B       | 6200983705    | 2024.04.26       | 2027.04.25       | 3 year             |
| 7    | Horn Antenna                       | EM           | EM-AH-10180 | 2011071402    | 2024.05.12       | 2027.05.11       | 3 year             |
| 8    | Broadband Horn Antenna             | SCHWARZBECK  | BBHA 9170   | 803           | 2024.05.12       | 2027.05.11       | 3 year             |
| 9    | Amplifier                          | EMC          | EMC051835SE | 980246        | 2025.04.17       | 2026.04.16       | 1 year             |
| 10   | Active Loop Antenna                | SCHWARZBECK  | FMZB 1519B  | 055           | 2024.05.17       | 2027.05.16       | 3 year             |
| 11   | Power Meter                        | DARE         | RPR3006W    | 15I00041SN084 | 2025.04.17       | 2026.04.16       | 1 year             |
| 12   | Test Cable (9KHz-30MHz)            | N/A          | R-01        | N/A           | 2023.05.06       | 2026.05.05       | 3 year             |
| 13   | Test Cable (30MHz-1GHz)            | N/A          | R-02        | N/A           | 2023.05.06       | 2026.05.05       | 3 year             |
| 14   | High Test Cable(1G-40GHz)          | N/A          | R-03        | N/A           | 2023.05.06       | 2026.05.05       | 3 year             |
| 15   | Filter                             | TRILTHIC     | 2400MHz     | 29            | 2024.04.26       | 2027.04.25       | 3 year             |
| 16   | temporary antenna connector (Note) | NTS          | R001        | N/A           | N/A              | N/A              | N/A                |

**Note:**

We will use the temporary antenna connector (soldered on the PCB board) When conducted test  
And this temporary antenna connector is listed within the instrument list

#### AC Conduction Test equipment

| Item | Kind of Equipment       | Manufacturer | Type No.  | Serial No. | Last calibration | Calibrated until | Calibration period |
|------|-------------------------|--------------|-----------|------------|------------------|------------------|--------------------|
| 1    | Test Receiver           | R&S          | ESCI      | 101160     | 2025.04.17       | 2026.04.16       | 1 year             |
| 2    | LISN                    | R&S          | ENV216    | 101313     | 2025.04.16       | 2026.04.15       | 1 year             |
| 3    | LISN                    | SCHWARZBECK  | NNLK 8129 | 8129245    | 2025.04.16       | 2026.04.15       | 1 year             |
| 4    | 50Ω Coaxial Switch      | ANRITSU CORP | MP59B     | 6200983704 | 2024.04.26       | 2027.04.25       | 3 year             |
| 5    | Test Cable (9KHz-30MHz) | N/A          | C01       | N/A        | 2023.05.06       | 2026.05.05       | 3 year             |
| 6    | Test Cable (9KHz-30MHz) | N/A          | C02       | N/A        | 2023.05.06       | 2026.05.05       | 3 year             |
| 7    | Test Cable (9KHz-30MHz) | N/A          | C03       | N/A        | 2023.05.06       | 2026.05.05       | 3 year             |

Note: Each piece of equipment is scheduled for calibration once a year except the Aux Equipment & Test Cable which is scheduled for calibration every 2 or 3 years.

#### Measurement Software

| Item | Manufacturer | Software Name        | Software Version | Description       |
|------|--------------|----------------------|------------------|-------------------|
| 1    | MWRFtest     | MTS 8310 2.4GHz/5GHz | 2.0              | RF Conducted Test |
| 2    | Farad        | EZ-EMC_RE            | AIT-03A          | RadiatedTest      |
| 3    | Farad        | EZ-EMC_CE            | AIT-03A          | AC Conducted Test |

### 3. EMC EMISSION TEST

#### 3.1 CONDUCTED EMISSION MEASUREMENT

##### 3.1.1 APPLICABLE STANDARD

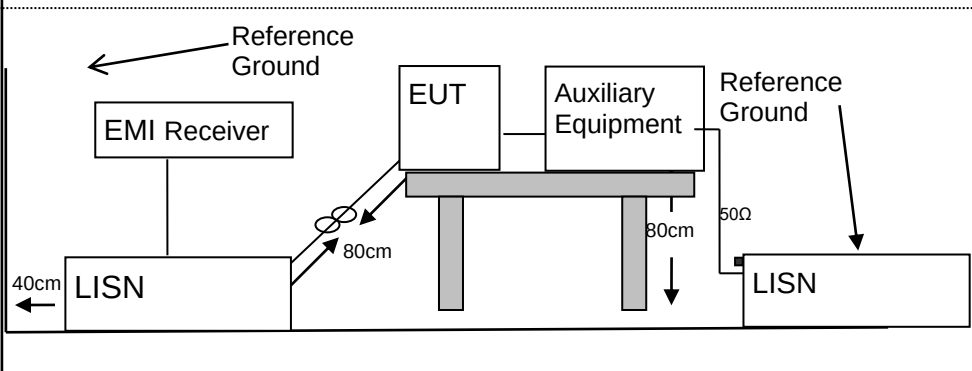
According to FCC Part 15.207(a)

##### 3.1.2 CONFORMANCE LIMIT

| Frequency(MHz) | Conducted Emission Limit |         |
|----------------|--------------------------|---------|
|                | Quasi-peak               | Average |
| 0.15-0.5       | 66-56*                   | 56-46*  |
| 0.5-5.0        | 56                       | 46      |
| 5.0-30.0       | 60                       | 50      |

Note: 1. \*Decreases with the logarithm of the frequency  
 2. The lower limit shall apply at the transition frequencies  
 3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

##### 3.1.3 TEST CONFIGURATION



### 3.1.4 TEST PROCEDURE

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2020+Cor 1-2023 Conducted emissions the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

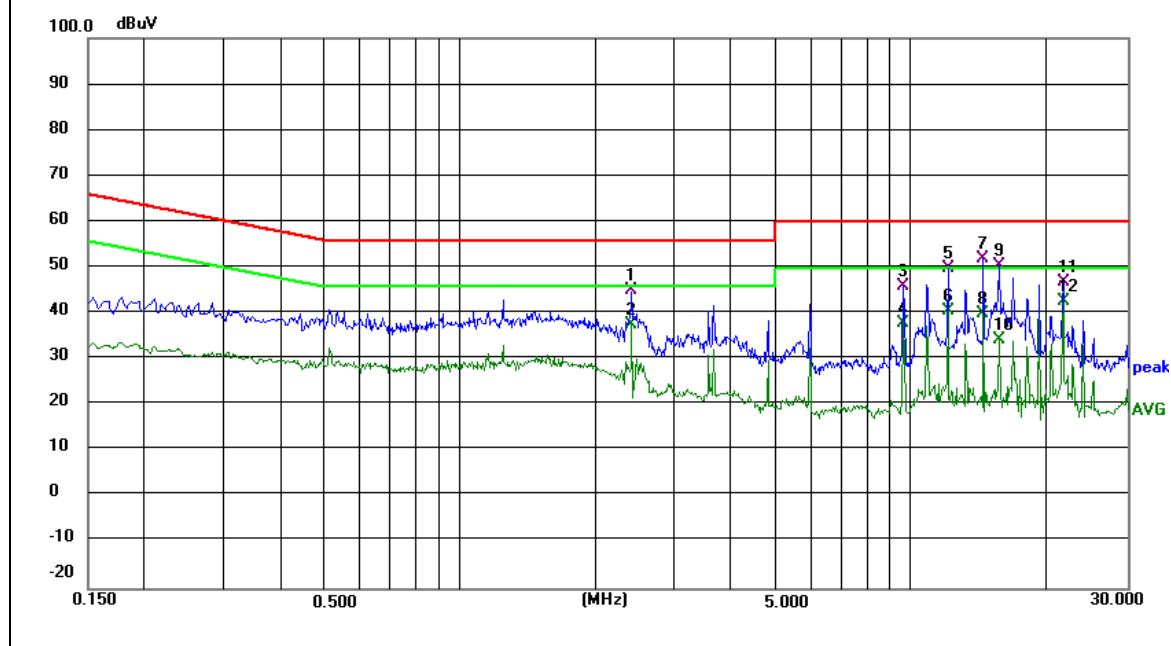
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
2. The EUT was placed on a table which is 0.8m above ground plane.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40cm long.
5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
6. LISN at least 80 cm from nearest part of EUT chassis.
7. The frequency range from 150KHz to 30MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth(IF bandwidth=9KHz) with Maximum Hold Mode
9. For the actual test configuration, please refer to the related Item –EUT Test Photos.

|                |                                  |                     |              |
|----------------|----------------------------------|---------------------|--------------|
| EUT :          | WinEye                           | Model Name :        | WE1          |
| Temperature :  | 23.5℃                            | Relative Humidity : | 51.7%        |
| Pressure :     | 1010hPa                          | Phase :             | L            |
| Test Voltage : | DC 5V from Adapter1 AC 120V/60Hz | Test Mode :         | Mode 1(5.2G) |

| Frequency<br>(MHz) | Reading Level<br>(dBμV) | Correct Factor<br>(dB) | Measure-ment<br>(dBμV) | Limits<br>(dBμV) | Margin<br>(dB) | Remark |
|--------------------|-------------------------|------------------------|------------------------|------------------|----------------|--------|
| 2.3980             | 24.54                   | 20.40                  | 44.94                  | 56.00            | -11.06         | QP     |
| 2.3980             | 17.18                   | 20.40                  | 37.58                  | 46.00            | -8.42          | AVG    |
| 9.6020             | 24.96                   | 20.99                  | 45.95                  | 60.00            | -14.05         | QP     |
| 9.6020             | 16.79                   | 20.99                  | 37.78                  | 50.00            | -12.22         | AVG    |
| 12.0020            | 40.37                   | 9.61                   | 49.98                  | 60.00            | -10.02         | QP     |
| 12.0020            | 31.03                   | 9.61                   | 40.64                  | 50.00            | -9.36          | AVG    |
| 14.4020            | 29.71                   | 22.29                  | 52.00                  | 60.00            | -8.00          | QP     |
| 14.4020            | 17.72                   | 22.29                  | 40.01                  | 50.00            | -9.99          | AVG    |
| 15.6460            | 28.13                   | 22.46                  | 50.59                  | 60.00            | -9.41          | QP     |
| 15.6460            | 11.94                   | 22.46                  | 34.40                  | 50.00            | -15.60         | AVG    |
| 21.6020            | 24.18                   | 22.67                  | 46.85                  | 60.00            | -13.15         | QP     |
| 21.6020            | 20.11                   | 22.67                  | 42.78                  | 50.00            | -7.22          | AVG    |

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

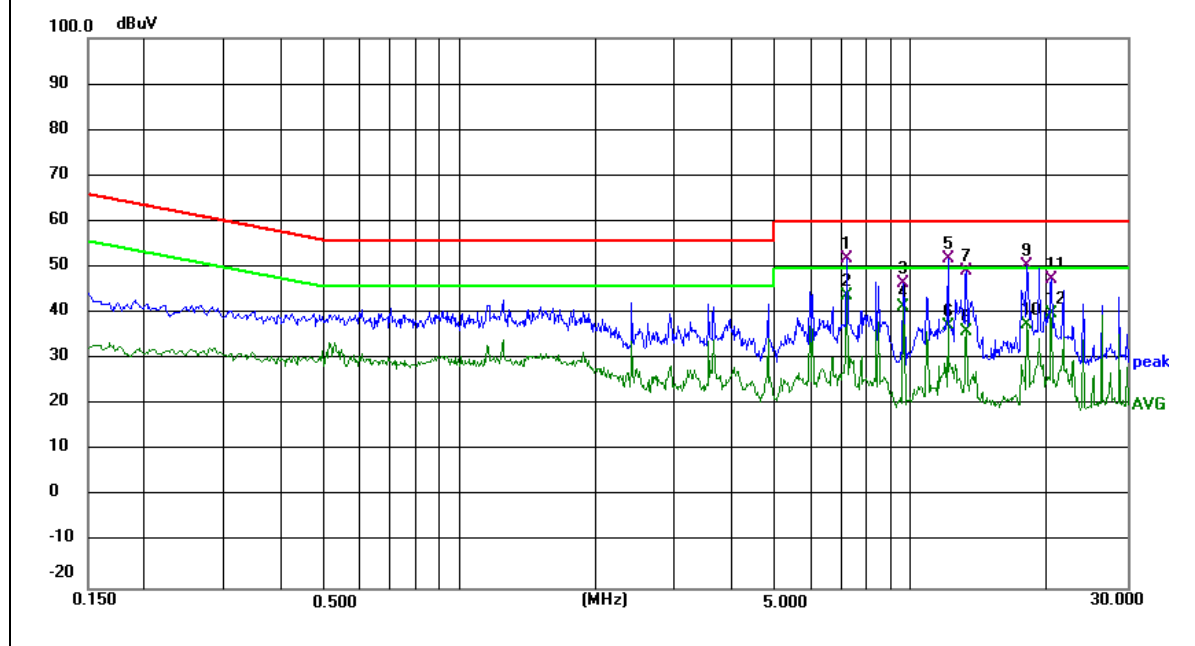


|                |                                  |                     |              |
|----------------|----------------------------------|---------------------|--------------|
| EUT :          | WinEye                           | Model Name :        | WE1          |
| Temperature :  | 23.5℃                            | Relative Humidity : | 51.7%        |
| Pressure :     | 1010hPa                          | Phase :             | N            |
| Test Voltage : | DC 5V from Adapter1 AC 120V/60Hz | Test Mode :         | Mode 1(5.2G) |

| Frequency<br>(MHz) | Reading Level<br>(dBμV) | Correct Factor<br>(dB) | Measure-ment<br>(dBμV) | Limits<br>(dBμV) | Margin<br>(dB) | Remark |
|--------------------|-------------------------|------------------------|------------------------|------------------|----------------|--------|
| 7.2020             | 31.11                   | 20.76                  | 51.87                  | 60.00            | -8.13          | QP     |
| 7.2020             | 23.02                   | 20.76                  | 43.78                  | 50.00            | -6.22          | AVG    |
| 9.6020             | 26.33                   | 20.27                  | 46.60                  | 60.00            | -13.40         | QP     |
| 9.6020             | 21.18                   | 20.27                  | 41.45                  | 50.00            | -8.55          | AVG    |
| 12.0020            | 42.72                   | 9.13                   | 51.85                  | 60.00            | -8.15          | QP     |
| 12.0020            | 28.11                   | 9.13                   | 37.24                  | 50.00            | -12.76         | AVG    |
| 13.2460            | 40.90                   | 8.46                   | 49.36                  | 60.00            | -10.64         | QP     |
| 13.2460            | 27.75                   | 8.46                   | 36.21                  | 50.00            | -13.79         | AVG    |
| 17.9500            | 28.01                   | 22.57                  | 50.58                  | 60.00            | -9.42          | QP     |
| 17.9500            | 15.08                   | 22.57                  | 37.65                  | 50.00            | -12.35         | AVG    |
| 20.4460            | 24.89                   | 22.67                  | 47.56                  | 60.00            | -12.44         | QP     |
| 20.4460            | 17.32                   | 22.67                  | 39.99                  | 50.00            | -10.01         | AVG    |

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

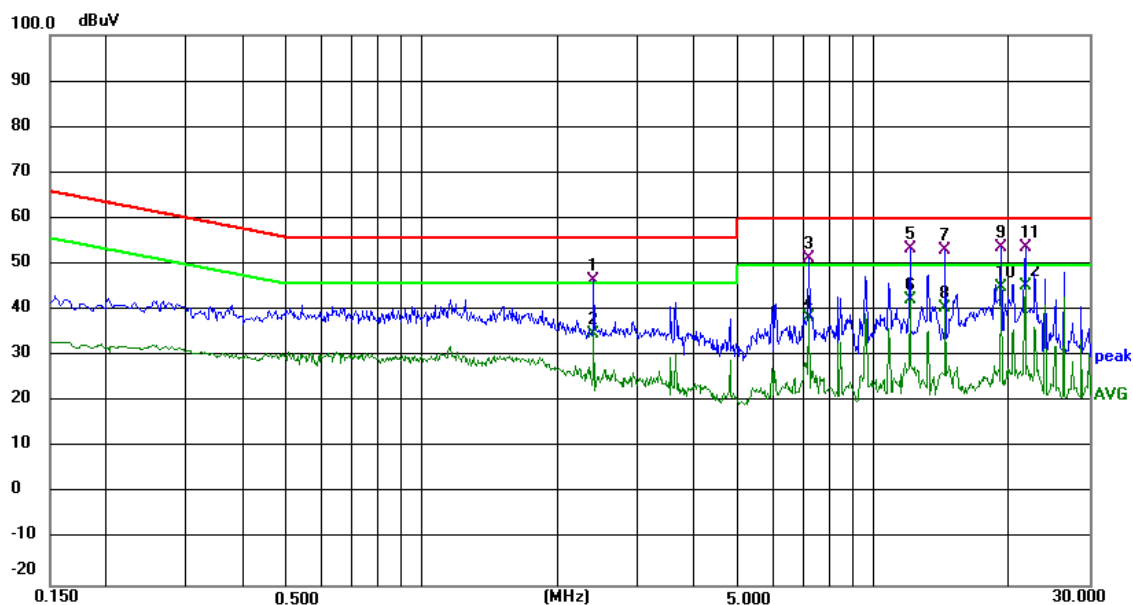


|                |                                  |                     |              |
|----------------|----------------------------------|---------------------|--------------|
| EUT :          | WinEye                           | Model Name :        | WE1          |
| Temperature :  | 23.5 °C                          | Relative Humidity : | 51.7%        |
| Pressure :     | 1010hPa                          | Phase :             | L            |
| Test Voltage : | DC 5V from Adapter1 AC 120V/60Hz | Test Mode :         | Mode 1(5.8G) |

| Frequency<br>(MHz) | Reading Level<br>(dBμV) | Correct Factor<br>(dB) | Measure-ment<br>(dBμV) | Limits<br>(dBμV) | Margin<br>(dB) | Remark |
|--------------------|-------------------------|------------------------|------------------------|------------------|----------------|--------|
| 2.4020             | 26.04                   | 20.41                  | 46.45                  | 56.00            | -9.55          | QP     |
| 2.4020             | 14.50                   | 20.41                  | 34.91                  | 46.00            | -11.09         | AVG    |
| 7.2020             | 30.53                   | 20.74                  | 51.27                  | 60.00            | -8.73          | QP     |
| 7.2020             | 17.67                   | 20.74                  | 38.41                  | 50.00            | -11.59         | AVG    |
| 12.0020            | 43.79                   | 9.61                   | 53.40                  | 60.00            | -6.60          | QP     |
| 12.0020            | 32.66                   | 9.61                   | 42.27                  | 50.00            | -7.73          | AVG    |
| 14.4020            | 30.87                   | 22.29                  | 53.16                  | 60.00            | -6.84          | QP     |
| 14.4020            | 18.26                   | 22.29                  | 40.55                  | 50.00            | -9.45          | AVG    |
| 19.2020            | 31.38                   | 22.39                  | 53.77                  | 60.00            | -6.23          | QP     |
| 19.2020            | 22.80                   | 22.39                  | 45.19                  | 50.00            | -4.81          | AVG    |
| 21.6020            | 31.21                   | 22.67                  | 53.88                  | 60.00            | -6.12          | QP     |
| 21.6020            | 22.63                   | 22.67                  | 45.30                  | 50.00            | -4.70          | AVG    |

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

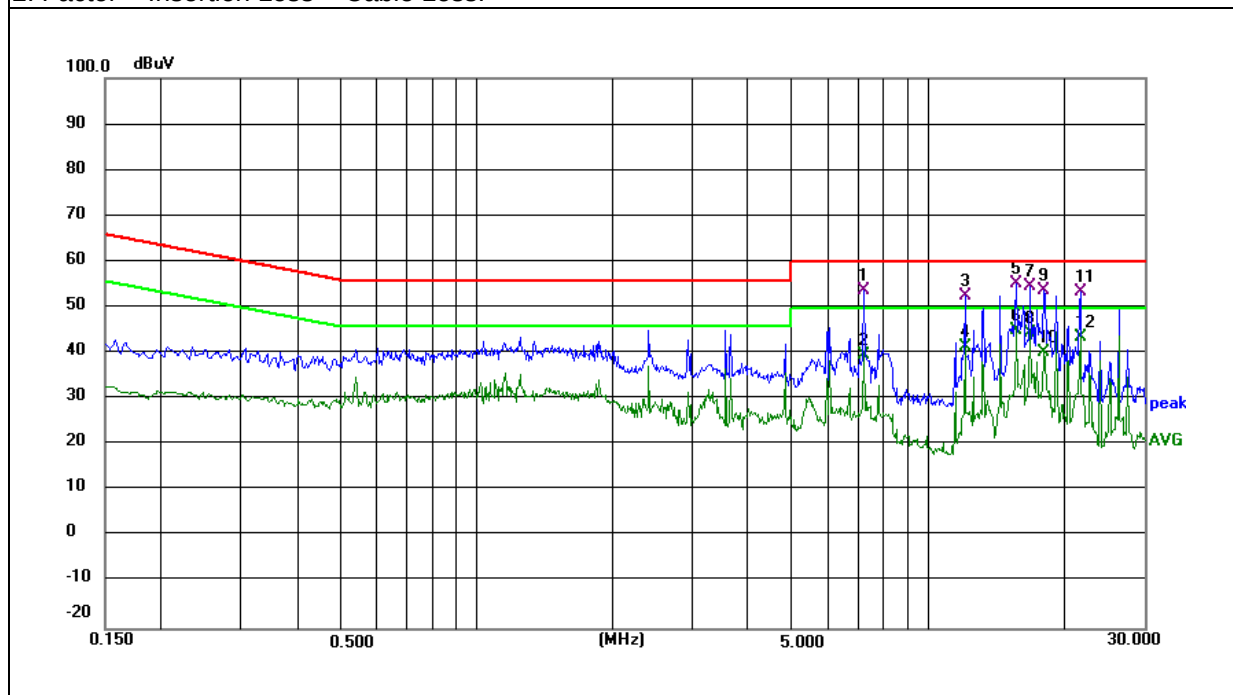


|                |                                  |                     |              |
|----------------|----------------------------------|---------------------|--------------|
| EUT :          | WinEye                           | Model Name :        | WE1          |
| Temperature :  | 23.5℃                            | Relative Humidity : | 51.7%        |
| Pressure :     | 1010hPa                          | Phase :             | N            |
| Test Voltage : | DC 5V from Adapter1 AC 120V/60Hz | Test Mode :         | Mode 1(5.8G) |

| Frequency<br>(MHz) | Reading Level<br>(dBμV) | Correct Factor<br>(dB) | Measure-ment<br>(dBμV) | Limits<br>(dBμV) | Margin<br>(dB) | Remark |
|--------------------|-------------------------|------------------------|------------------------|------------------|----------------|--------|
| 7.2020             | 32.96                   | 20.76                  | 53.72                  | 60.00            | -6.28          | QP     |
| 7.2020             | 18.96                   | 20.76                  | 39.72                  | 50.00            | -10.28         | AVG    |
| 12.0020            | 43.34                   | 9.13                   | 52.47                  | 60.00            | -7.53          | QP     |
| 12.0020            | 32.37                   | 9.13                   | 41.50                  | 50.00            | -8.50          | AVG    |
| 15.6460            | 32.65                   | 22.54                  | 55.19                  | 60.00            | -4.81          | QP     |
| 15.6460            | 22.49                   | 22.54                  | 45.03                  | 50.00            | -4.97          | AVG    |
| 16.8020            | 32.10                   | 22.55                  | 54.65                  | 60.00            | -5.35          | QP     |
| 16.8020            | 21.94                   | 22.55                  | 44.49                  | 50.00            | -5.51          | AVG    |
| 17.9580            | 31.19                   | 22.57                  | 53.76                  | 60.00            | -6.24          | QP     |
| 17.9580            | 17.84                   | 22.57                  | 40.41                  | 50.00            | -9.59          | AVG    |
| 21.6020            | 30.65                   | 22.84                  | 53.49                  | 60.00            | -6.51          | QP     |
| 21.6020            | 20.87                   | 22.84                  | 43.71                  | 50.00            | -6.29          | AVG    |

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

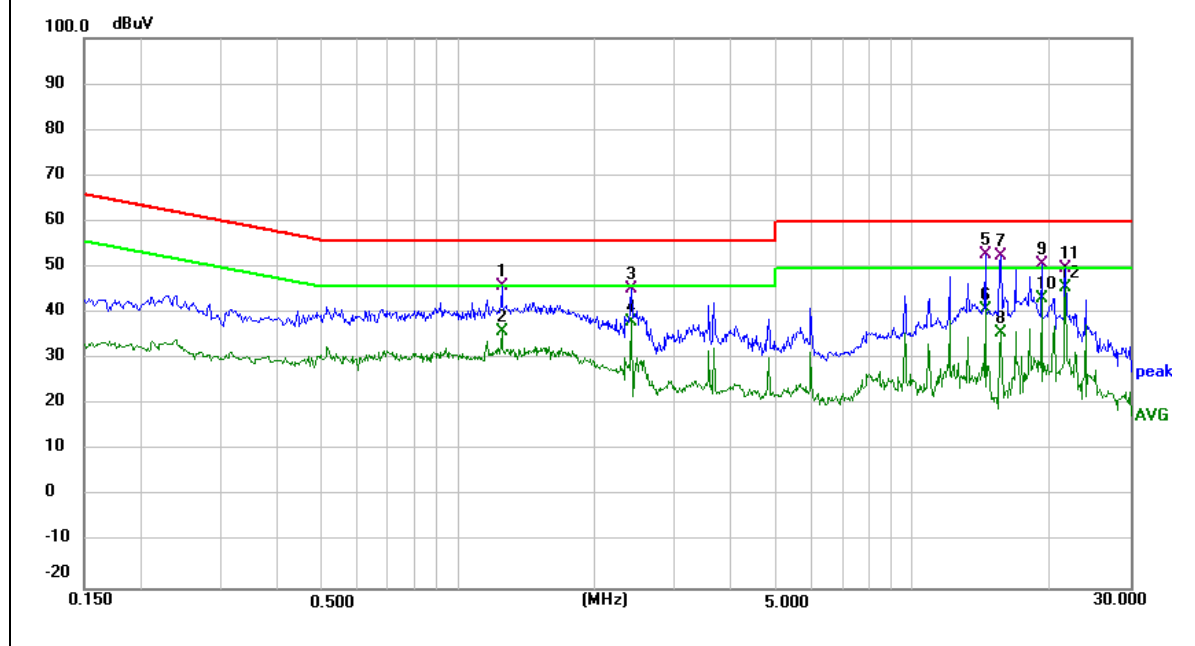


|                |                                  |                     |              |
|----------------|----------------------------------|---------------------|--------------|
| EUT :          | WinEye                           | Model Name :        | WE1          |
| Temperature :  | 23.5℃                            | Relative Humidity : | 51.7%        |
| Pressure :     | 1010hPa                          | Phase :             | L            |
| Test Voltage : | DC 5V from Adapter1 AC 120V/60Hz | Test Mode :         | Mode 1(5.2G) |

| Frequency<br>(MHz) | Reading Level<br>(dBμV) | Correct Factor<br>(dB) | Measure-ment<br>(dBμV) | Limits<br>(dBμV) | Margin<br>(dB) | Remark |
|--------------------|-------------------------|------------------------|------------------------|------------------|----------------|--------|
| 1.2460             | 25.60                   | 20.36                  | 45.96                  | 56.00            | -10.04         | QP     |
| 1.2460             | 15.65                   | 20.36                  | 36.01                  | 46.00            | -9.99          | AVG    |
| 2.3980             | 25.04                   | 20.40                  | 45.44                  | 56.00            | -10.56         | QP     |
| 2.3980             | 17.68                   | 20.40                  | 38.08                  | 46.00            | -7.92          | AVG    |
| 14.4020            | 30.71                   | 22.29                  | 53.00                  | 60.00            | -7.00          | QP     |
| 14.4020            | 18.72                   | 22.29                  | 41.01                  | 50.00            | -8.99          | AVG    |
| 15.5540            | 30.10                   | 22.46                  | 52.56                  | 60.00            | -7.44          | QP     |
| 15.5540            | 13.50                   | 22.46                  | 35.96                  | 50.00            | -14.04         | AVG    |
| 19.2020            | 28.26                   | 22.39                  | 50.65                  | 60.00            | -9.35          | QP     |
| 19.2020            | 20.97                   | 22.39                  | 43.36                  | 50.00            | -6.64          | AVG    |
| 21.6020            | 27.18                   | 22.67                  | 49.85                  | 60.00            | -10.15         | QP     |
| 21.6020            | 23.11                   | 22.67                  | 45.78                  | 50.00            | -4.22          | AVG    |

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

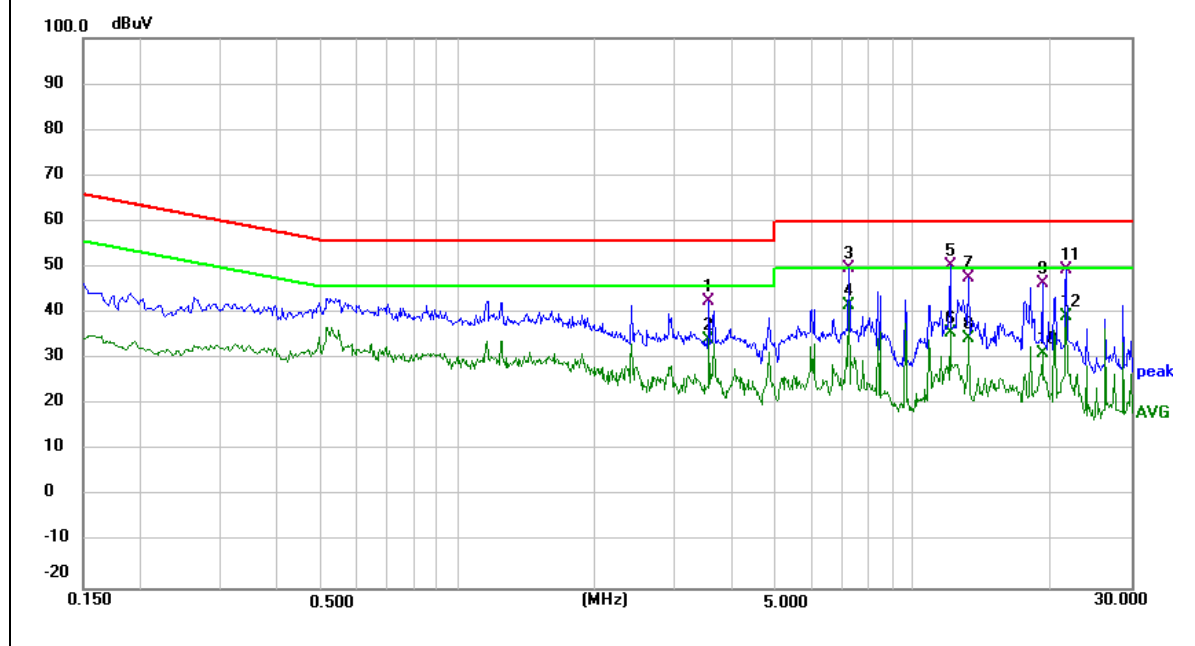


|                |                                  |                     |              |
|----------------|----------------------------------|---------------------|--------------|
| EUT :          | WinEye                           | Model Name :        | WE1          |
| Temperature :  | 23.5℃                            | Relative Humidity : | 51.7%        |
| Pressure :     | 1010hPa                          | Phase :             | N            |
| Test Voltage : | DC 5V from Adapter1 AC 120V/60Hz | Test Mode :         | Mode 1(5.2G) |

| Frequency<br>(MHz) | Reading Level<br>(dBμV) | Correct Factor<br>(dB) | Measure-ment<br>(dBμV) | Limits<br>(dBμV) | Margin<br>(dB) | Remark |
|--------------------|-------------------------|------------------------|------------------------|------------------|----------------|--------|
| 3.5540             | 22.12                   | 20.53                  | 42.65                  | 56.00            | -13.35         | QP     |
| 3.5540             | 13.84                   | 20.53                  | 34.37                  | 46.00            | -11.63         | AVG    |
| 7.2020             | 29.11                   | 20.76                  | 49.87                  | 60.00            | -10.13         | QP     |
| 7.2020             | 21.02                   | 20.76                  | 41.78                  | 50.00            | -8.22          | AVG    |
| 12.0020            | 41.22                   | 9.13                   | 50.35                  | 60.00            | -9.65          | QP     |
| 12.0020            | 26.61                   | 9.13                   | 35.74                  | 50.00            | -14.26         | AVG    |
| 13.2460            | 39.40                   | 8.46                   | 47.86                  | 60.00            | -12.14         | QP     |
| 13.2460            | 26.25                   | 8.46                   | 34.71                  | 50.00            | -15.29         | AVG    |
| 19.2020            | 23.93                   | 22.59                  | 46.52                  | 60.00            | -13.48         | QP     |
| 19.2020            | 8.65                    | 22.59                  | 31.24                  | 50.00            | -18.76         | AVG    |
| 21.6020            | 26.64                   | 22.84                  | 49.48                  | 60.00            | -10.52         | QP     |
| 21.6020            | 16.61                   | 22.84                  | 39.45                  | 50.00            | -10.55         | AVG    |

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

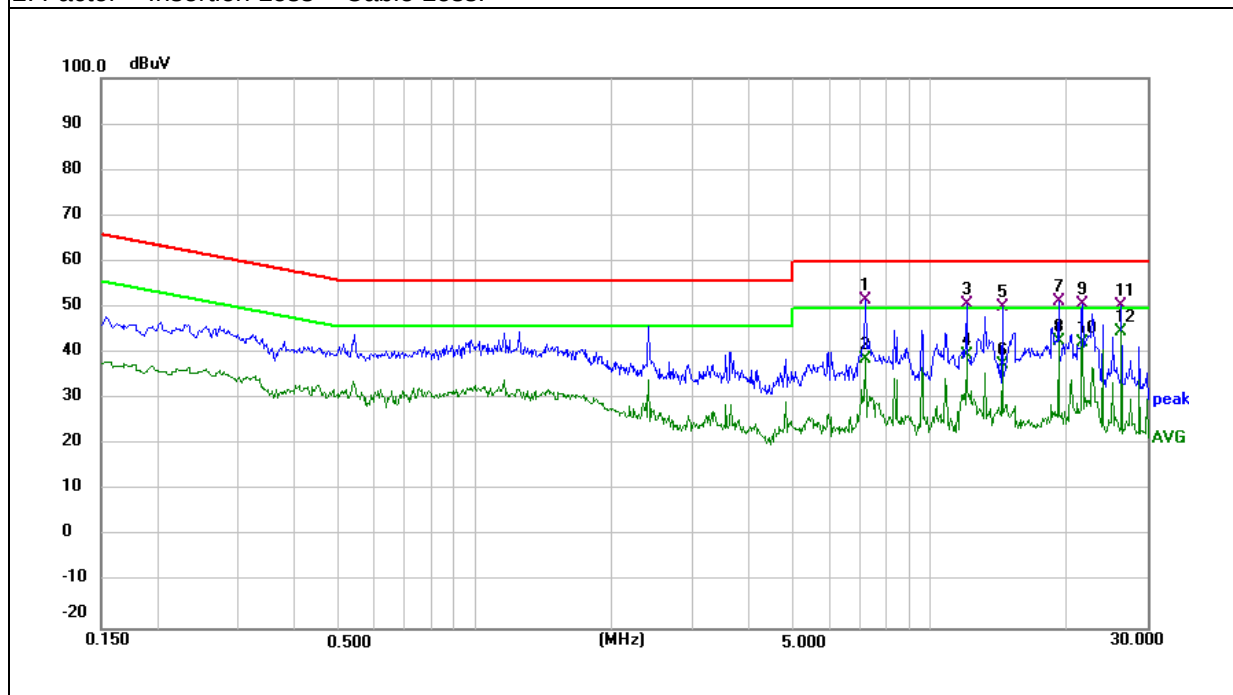


|                |                                  |                     |              |
|----------------|----------------------------------|---------------------|--------------|
| EUT :          | WinEye                           | Model Name :        | WE1          |
| Temperature :  | 23.5 °C                          | Relative Humidity : | 51.7%        |
| Pressure :     | 1010hPa                          | Phase :             | L            |
| Test Voltage : | DC 5V from Adapter1 AC 120V/60Hz | Test Mode :         | Mode 1(5.8G) |

| Frequency<br>(MHz) | Reading Level<br>(dBμV) | Correct Factor<br>(dB) | Measure-ment<br>(dBμV) | Limits<br>(dBμV) | Margin<br>(dB) | Remark |
|--------------------|-------------------------|------------------------|------------------------|------------------|----------------|--------|
| 7.2020             | 31.03                   | 20.74                  | 51.77                  | 60.00            | -8.23          | QP     |
| 7.2020             | 18.17                   | 20.74                  | 38.91                  | 50.00            | -11.09         | AVG    |
| 12.0020            | 41.29                   | 9.61                   | 50.90                  | 60.00            | -9.10          | QP     |
| 12.0020            | 30.16                   | 9.61                   | 39.77                  | 50.00            | -10.23         | AVG    |
| 14.4020            | 27.87                   | 22.29                  | 50.16                  | 60.00            | -9.84          | QP     |
| 14.4020            | 15.26                   | 22.29                  | 37.55                  | 50.00            | -12.45         | AVG    |
| 19.2020            | 28.88                   | 22.39                  | 51.27                  | 60.00            | -8.73          | QP     |
| 19.2020            | 20.30                   | 22.39                  | 42.69                  | 50.00            | -7.31          | AVG    |
| 21.6020            | 28.21                   | 22.67                  | 50.88                  | 60.00            | -9.12          | QP     |
| 21.6020            | 19.63                   | 22.67                  | 42.30                  | 50.00            | -7.70          | AVG    |
| 26.4020            | 26.92                   | 23.55                  | 50.47                  | 60.00            | -9.53          | QP     |
| 26.4020            | 21.37                   | 23.55                  | 44.92                  | 50.00            | -5.08          | AVG    |

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

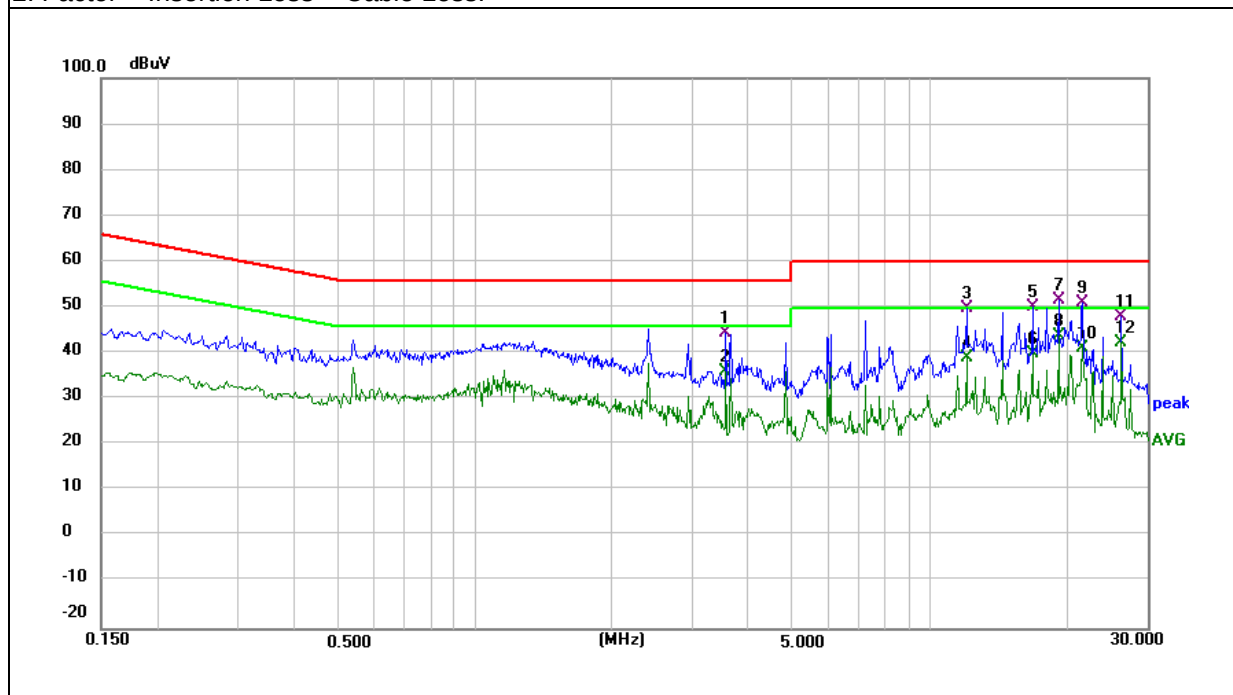


|                |                                  |                     |              |
|----------------|----------------------------------|---------------------|--------------|
| EUT :          | WinEye                           | Model Name :        | WE1          |
| Temperature :  | 23.5℃                            | Relative Humidity : | 51.7%        |
| Pressure :     | 1010hPa                          | Phase :             | N            |
| Test Voltage : | DC 5V from Adapter1 AC 120V/60Hz | Test Mode :         | Mode 1(5.8G) |

| Frequency<br>(MHz) | Reading Level<br>(dBμV) | Correct Factor<br>(dB) | Measure-ment<br>(dBμV) | Limits<br>(dBμV) | Margin<br>(dB) | Remark |
|--------------------|-------------------------|------------------------|------------------------|------------------|----------------|--------|
| 3.5540             | 24.07                   | 20.53                  | 44.60                  | 56.00            | -11.40         | QP     |
| 3.5540             | 15.61                   | 20.53                  | 36.14                  | 46.00            | -9.86          | AVG    |
| 12.0020            | 40.84                   | 9.13                   | 49.97                  | 60.00            | -10.03         | QP     |
| 12.0020            | 29.87                   | 9.13                   | 39.00                  | 50.00            | -11.00         | AVG    |
| 16.8020            | 27.60                   | 22.55                  | 50.15                  | 60.00            | -9.85          | QP     |
| 16.8020            | 17.44                   | 22.55                  | 39.99                  | 50.00            | -10.01         | AVG    |
| 19.2020            | 29.05                   | 22.59                  | 51.64                  | 60.00            | -8.36          | QP     |
| 19.2020            | 21.24                   | 22.59                  | 43.83                  | 50.00            | -6.17          | AVG    |
| 21.6020            | 28.15                   | 22.84                  | 50.99                  | 60.00            | -9.01          | QP     |
| 21.6020            | 18.37                   | 22.84                  | 41.21                  | 50.00            | -8.79          | AVG    |
| 26.4020            | 24.54                   | 23.55                  | 48.09                  | 60.00            | -11.91         | QP     |
| 26.4020            | 18.79                   | 23.55                  | 42.34                  | 50.00            | -7.66          | AVG    |

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



### 3.2 RADIATED EMISSION MEASUREMENT

#### 3.2.1 APPLICABLE STANDARD

According to FCC Part 15.407 and 15.209

#### 3.2.2 CONFORMANCE LIMIT

According to FCC Part 15.407: radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

According to FCC Part 15.205, Restricted bands

| MHz               | MHz                 | MHz           | GHz         |
|-------------------|---------------------|---------------|-------------|
| 0.090-0.110       | 16.42-16.423        | 399.9-410     | 4.5-5.15    |
| 0.495-0.505       | 16.69475-16.69525   | 608-614       | 5.35-5.46   |
| 2.1735-2.1905     | 16.80425-16.80475   | 960-1240      | 7.25-7.75   |
| 4.125-4.128       | 25.5-25.67          | 1300-1427     | 8.025-8.5   |
| 4.17725-4.17775   | 37.5-38.25          | 1435-1626.5   | 9.0-9.2     |
| 4.20725-4.20775   | 73-74.6             | 1645.5-1646.5 | 9.3-9.5     |
| 6.215-6.218       | 74.8-75.2           | 1660-1710     | 10.6-12.7   |
| 6.26775-6.26825   | 123-138             | 2200-2300     | 14.47-14.5  |
| 8.291-8.294       | 149.9-150.05        | 2310-2390     | 15.35-16.2  |
| 8.362-8.366       | 156.52475-156.52525 | 2483.5-2500   | 17.7-21.4   |
| 8.37625-8.38675   | 156.7-156.9         | 2690-2900     | 22.01-23.12 |
| 8.41425-8.41475   | 162.0125-167.17     | 3260-3267     | 23.6-24.0   |
| 12.29-12.293      | 167.72-173.2        | 3332-3339     | 31.2-31.8   |
| 12.51975-12.52025 | 240-285             | 3345.8-3358   | 36.43-36.5  |
| 12.57675-12.57725 | 322-335.4           | 3600-4400     | (2)         |
| 13.36-13.41       |                     |               |             |

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Restricted Frequency(MHz) | Field Strength ( $\mu\text{V/m}$ ) | Field Strength ( $\text{dB}\mu\text{V/m}$ ) | Measurement Distance |
|---------------------------|------------------------------------|---------------------------------------------|----------------------|
| 0.009-0.490               | 2400/F(KHz)                        | 20 log ( $\mu\text{V/m}$ )                  | 300                  |
| 0.490-1.705               | 24000/F(KHz)                       | 20 log ( $\mu\text{V/m}$ )                  | 30                   |
| 1.705-30.0                | 30                                 | 29.5                                        | 30                   |
| 30-88                     | 100                                | 40                                          | 3                    |
| 88-216                    | 150                                | 43.5                                        | 3                    |
| 216-960                   | 200                                | 46                                          | 3                    |
| Above 960                 | 500                                | 54                                          | 3                    |

Limits of Radiated Emission Measurement(Above 1000MHz)

| Frequency(MHz) | Class B ( $\text{dB}\mu\text{V/m}$ ) (at 3M) |         |
|----------------|----------------------------------------------|---------|
|                | PEAK                                         | AVERAGE |
| Above 1000     | 74                                           | 54      |

Remark :1. Emission level in  $\text{dB}\mu\text{V/m}=20 \log (\mu\text{V/m})$

2. Measurement was performed at an antenna to the closed point of EUT distance of meters.

3. For Frequency 9kHz~30MHz:

Distance extrapolation factor =  $40\log(\text{Specific distance/ test distance})(\text{dB})$ ;

Limit line=Specific limits( $\text{dB}\mu\text{V}$ ) + distance extrapolation factor.

For Frequency above 30MHz:

Distance extrapolation factor =  $20\log(\text{Specific distance/ test distance})(\text{dB})$ ;

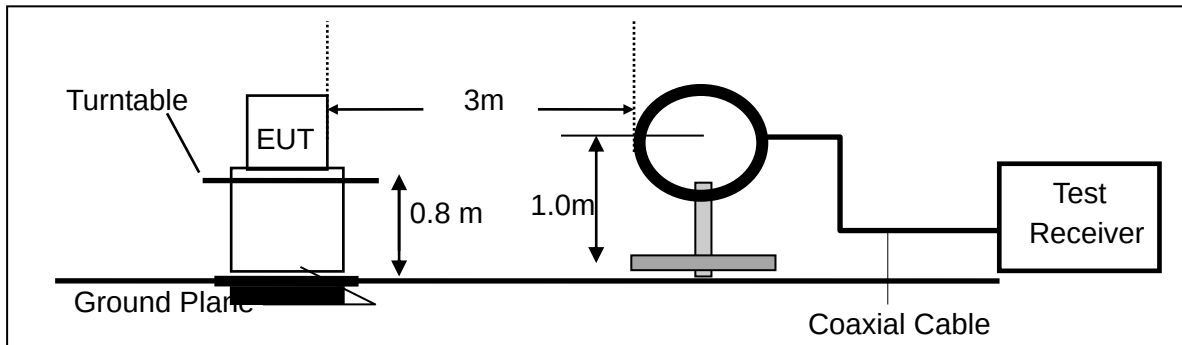
Limit line=Specific limits( $\text{dB}\mu\text{V}$ ) + distance extrapolation factor.

#### 3.2.3 MEASURING INSTRUMENTS

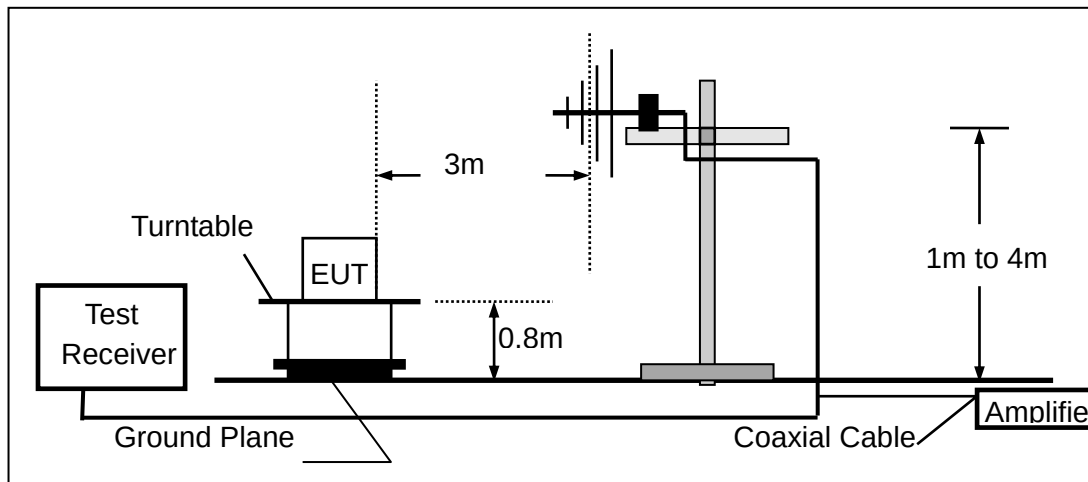
The Measuring equipment is listed in the section 6.3 of this test report.

### 3.2.4 TEST CONFIGURATION

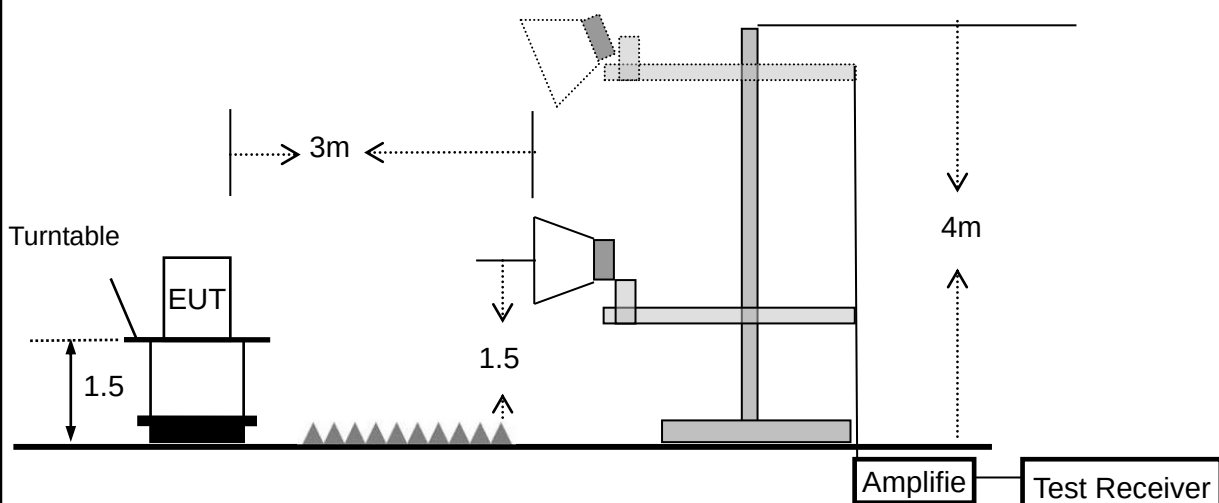
(a) For radiated emissions below 30MHz



(b) For radiated emissions from 30MHz to 1000MHz



(c) For radiated emissions above 1000MHz



### 3.2.5 TEST PROCEDURE

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2020+Cor 1-2023. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2020+Cor 1-2023 and CAN/CSA-CEI/IEC CISPR 22.

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT.

Use the following spectrum analyzer settings:

| Spectrum Parameter                    | Setting                                          |
|---------------------------------------|--------------------------------------------------|
| Attenuation                           | Auto                                             |
| Start Frequency                       | 1000 MHz                                         |
| Stop Frequency                        | 10th carrier harmonic                            |
| RB / VB (emission in restricted band) | 1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average |

| Receiver Parameter     | Setting                          |
|------------------------|----------------------------------|
| Attenuation            | Auto                             |
| Start ~ Stop Frequency | 9kHz~150kHz / RB 200Hz for QP    |
| Start ~ Stop Frequency | 150kHz~30MHz / RB 9kHz for QP    |
| Start ~ Stop Frequency | 30MHz~1000MHz / RB 120kHz for QP |

- The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

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

Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where  $RBWCF [dB] = 10 \cdot \lg(100 [kHz] / \text{narrower RBW} [kHz])$ . , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

### 3.2.6 TEST RESULTS (9KHZ – 30 MHZ)

|               |          |                     |       |
|---------------|----------|---------------------|-------|
| EUT :         | WinEye   | Model Name :        | WE1   |
| Temperature : | 26 °C    | Relative Humidity : | 54%   |
| Pressure:     | 1010 hPa | Test Voltage :      | DC 5V |
| Test Mode :   | TX       | Polarization :      | --    |

| Freq. | Reading  | Limit    | Margin | State |
|-------|----------|----------|--------|-------|
| (MHz) | (dBuV/m) | (dBuV/m) | (dB)   | P/F   |
| --    | --       | --       | --     | N/A   |
| --    | --       | --       | --     | N/A   |

#### NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

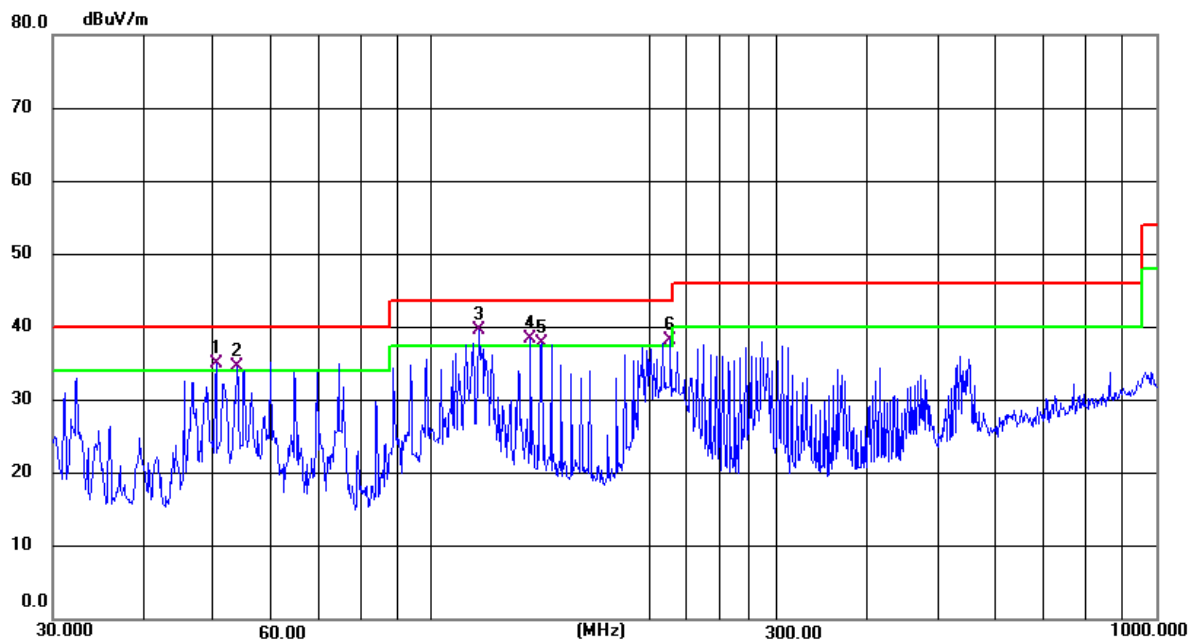
### 3.2.7 TEST RESULTS (30MHZ – 1GHZ)

|               |                            |                     |                                  |
|---------------|----------------------------|---------------------|----------------------------------|
| EUT :         | WinEye                     | Model Name. :       | WE1                              |
| Temperature : | 24.3℃                      | Relative Humidity : | 54.5%                            |
| Pressure :    | 1010 hPa                   | Test Voltage :      | DC 5V from Adapter1 AC 120V/60Hz |
| Test Mode :   | TX(5.2G)- 802.11a (Mid CH) |                     |                                  |

| Polar<br>(H/V) | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits   | Margin | Remark |
|----------------|-----------|------------------|--------|-------------------|----------|--------|--------|
|                | (MHz)     | (dBuV)           | (dB)   | (dBuV/m)          | (dBuV/m) | (dB)   |        |
| V              | 50.4090   | 14.98            | 19.97  | 34.95             | 40.00    | -5.05  | QP     |
| V              | 53.8817   | 14.78            | 19.78  | 34.56             | 40.00    | -5.44  | QP     |
| V              | 116.5400  | 22.89            | 16.66  | 39.55             | 43.50    | -3.95  | QP     |
| V              | 136.9390  | 23.77            | 14.63  | 38.40             | 43.50    | -5.10  | QP     |
| V              | 141.8262  | 23.54            | 14.30  | 37.84             | 43.50    | -5.66  | QP     |
| V              | 213.7632  | 20.57            | 17.60  | 38.17             | 43.50    | -5.33  | QP     |

#### Remark:

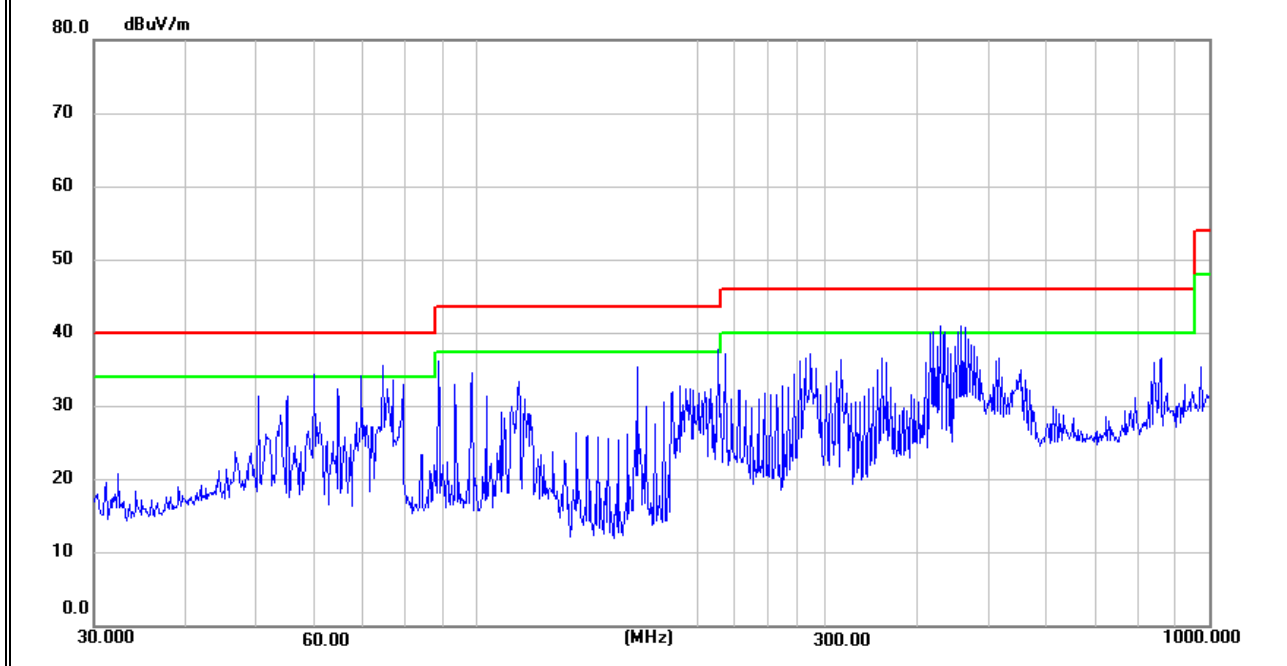
Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit



| Polar<br>(H/V) | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits   | Margin | Remark |
|----------------|-----------|------------------|--------|-------------------|----------|--------|--------|
|                | (MHz)     | (dBuV)           | (dB)   | (dBuV/m)          | (dBuV/m) | (dB)   |        |
| H              | 69.6003   | 17.97            | 16.25  | 34.22             | 40.00    | -5.78  | QP     |
| H              | 74.3953   | 20.64            | 14.49  | 35.13             | 40.00    | -4.87  | QP     |
| H              | 88.6524   | 20.90            | 15.28  | 36.18             | 43.50    | -7.32  | QP     |
| H              | 165.4866  | 20.34            | 15.05  | 35.39             | 43.50    | -8.11  | QP     |
| H              | 213.7632  | 19.78            | 17.60  | 37.38             | 43.50    | -6.12  | QP     |
| H              | 429.5228  | 18.59            | 22.49  | 41.08             | 46.00    | -4.92  | QP     |

**Remark:**

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit

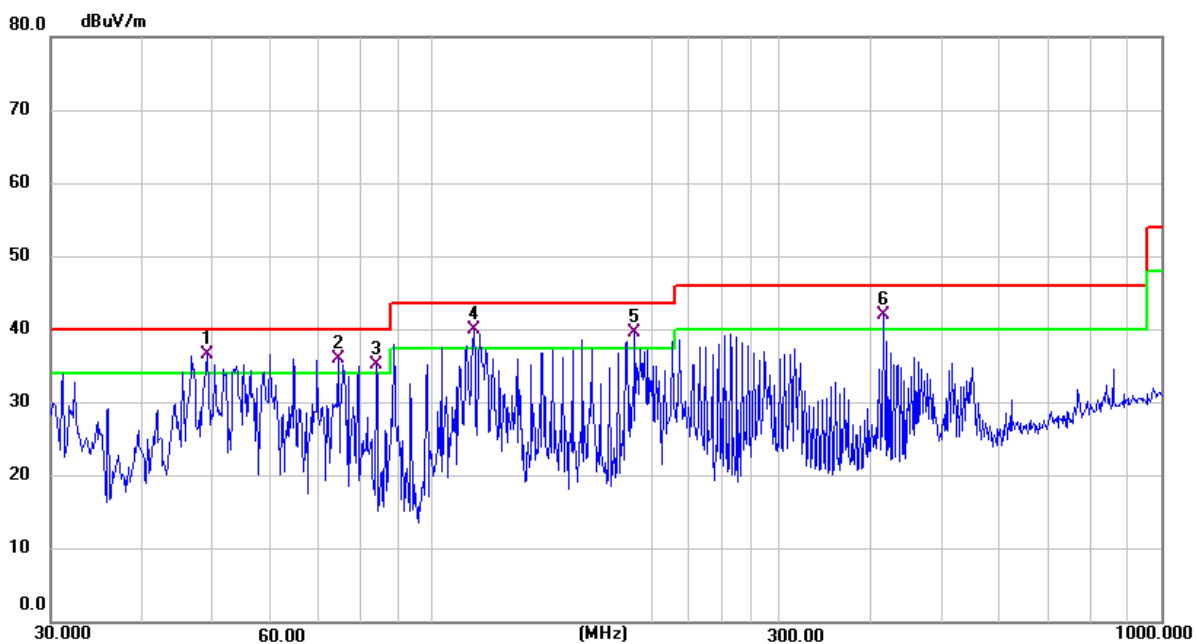


|               |                            |                     |                                  |
|---------------|----------------------------|---------------------|----------------------------------|
| EUT :         | WinEye                     | Model Name. :       | WE1                              |
| Temperature : | 24.3°C                     | Relative Humidity : | 54.5%                            |
| Pressure :    | 1010 hPa                   | Test Voltage :      | DC 5V from Adapter2 AC 120V/60Hz |
| Test Mode :   | TX(5.2G)- 802.11a (Mid CH) |                     |                                  |

| Polar<br>(H/V) | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits   | Margin | Remark |
|----------------|-----------|------------------|--------|-------------------|----------|--------|--------|
|                | (MHz)     | (dBuV)           | (dB)   | (dBuV/m)          | (dBuV/m) | (dB)   |        |
| V              | 49.1865   | 16.66            | 19.97  | 36.63             | 40.00    | -3.37  | QP     |
| V              | 74.3953   | 21.53            | 14.49  | 36.02             | 40.00    | -3.98  | QP     |
| V              | 83.8155   | 20.49            | 14.67  | 35.16             | 40.00    | -4.84  | QP     |
| V              | 114.1136  | 22.63            | 17.29  | 39.92             | 43.50    | -3.58  | QP     |
| V              | 189.7384  | 23.00            | 16.66  | 39.66             | 43.50    | -3.84  | QP     |
| V              | 416.1791  | 19.59            | 22.45  | 42.04             | 46.00    | -3.96  | QP     |

**Remark:**

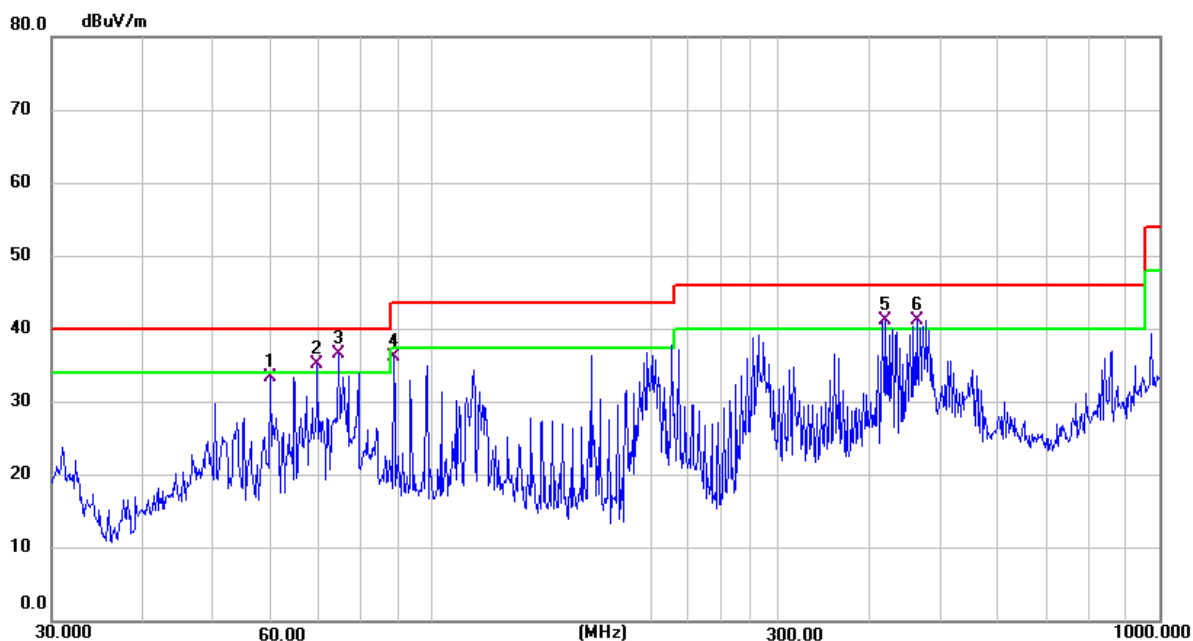
Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit



| Polar<br>(H/V) | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits   | Margin | Remark |
|----------------|-----------|------------------|--------|-------------------|----------|--------|--------|
|                | (MHz)     | (dBuV)           | (dB)   | (dBuV/m)          | (dBuV/m) | (dB)   |        |
| H              | 59.8588   | 14.43            | 19.03  | 33.46             | 40.00    | -6.54  | QP     |
| H              | 69.6003   | 18.97            | 16.25  | 35.22             | 40.00    | -4.78  | QP     |
| H              | 74.3953   | 22.14            | 14.49  | 36.63             | 40.00    | -3.37  | QP     |
| H              | 88.6524   | 20.90            | 15.28  | 36.18             | 43.50    | -7.32  | QP     |
| H              | 420.5803  | 18.57            | 22.56  | 41.13             | 46.00    | -4.87  | QP     |
| H              | 463.9696  | 17.94            | 23.31  | 41.25             | 46.00    | -4.75  | QP     |

**Remark:**

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit



Note(1)“802.11a” mode is the worst mode.

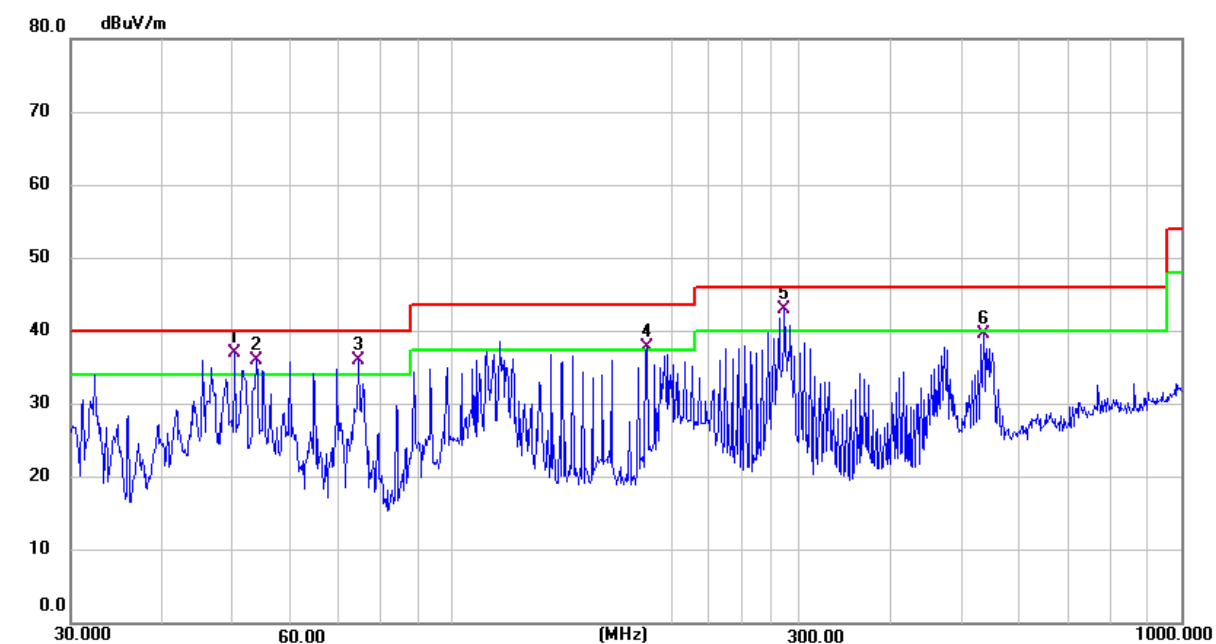
(2)Other emissions are attenuated more than 20dB below the permissible limits, so it does not recorded in the report.

|               |                            |                     |                                  |
|---------------|----------------------------|---------------------|----------------------------------|
| EUT :         | WinEye                     | Model Name. :       | WE1                              |
| Temperature : | 24.3℃                      | Relative Humidity : | 54.5%                            |
| Pressure :    | 1010 hPa                   | Test Voltage :      | DC 5V from Adapter2 AC 120V/60Hz |
| Test Mode :   | TX(5.8G)- 802.11a (Mid CH) |                     |                                  |

| Polar<br>(H/V) | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits   | Margin | Remark |
|----------------|-----------|------------------|--------|-------------------|----------|--------|--------|
|                | (MHz)     | (dBuV)           | (dB)   | (dBuV/m)          | (dBuV/m) | (dB)   |        |
| V              | 50.4090   | 16.98            | 19.97  | 36.95             | 40.00    | -3.05  | QP     |
| V              | 53.8817   | 16.28            | 19.78  | 36.06             | 40.00    | -3.94  | QP     |
| V              | 74.3953   | 21.56            | 14.49  | 36.05             | 40.00    | -3.95  | QP     |
| V              | 185.1374  | 21.00            | 16.78  | 37.78             | 43.50    | -5.72  | QP     |
| V              | 285.9777  | 23.60            | 19.37  | 42.97             | 46.00    | -3.03  | QP     |
| V              | 535.7073  | 15.40            | 24.13  | 39.53             | 46.00    | -6.47  | QP     |

**Remark:**

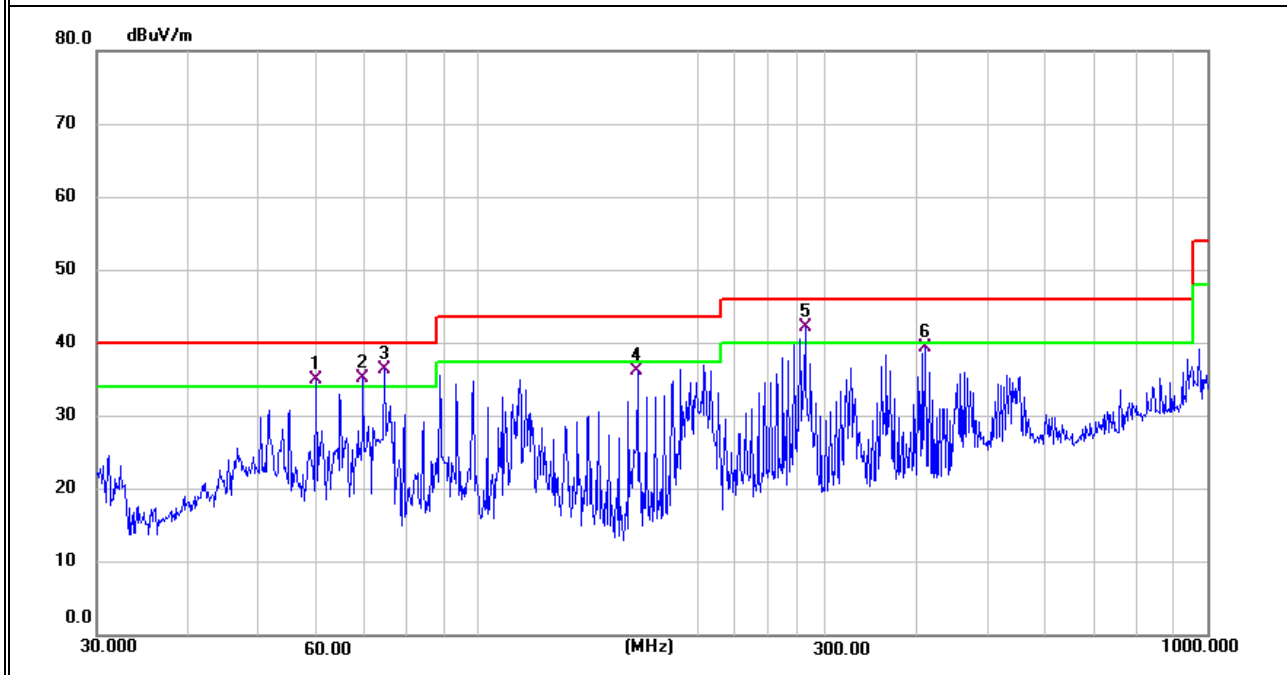
Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit



| Polar<br>(H/V) | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits   | Margin | Remark |
|----------------|-----------|------------------|--------|-------------------|----------|--------|--------|
|                | (MHz)     | (dBuV)           | (dB)   | (dBuV/m)          | (dBuV/m) | (dB)   |        |
| H              | 59.8588   | 16.06            | 19.03  | 35.09             | 40.00    | -4.91  | peak   |
| H              | 69.6003   | 18.98            | 16.25  | 35.23             | 40.00    | -4.77  | peak   |
| H              | 74.3953   | 22.00            | 14.49  | 36.49             | 40.00    | -3.51  | peak   |
| H              | 165.4866  | 21.11            | 15.05  | 36.16             | 43.50    | -7.34  | peak   |
| H              | 281.0074  | 22.87            | 19.25  | 42.12             | 46.00    | -3.88  | peak   |
| H              | 410.3824  | 16.93            | 22.48  | 39.41             | 46.00    | -6.59  | peak   |

**Remark:**

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit

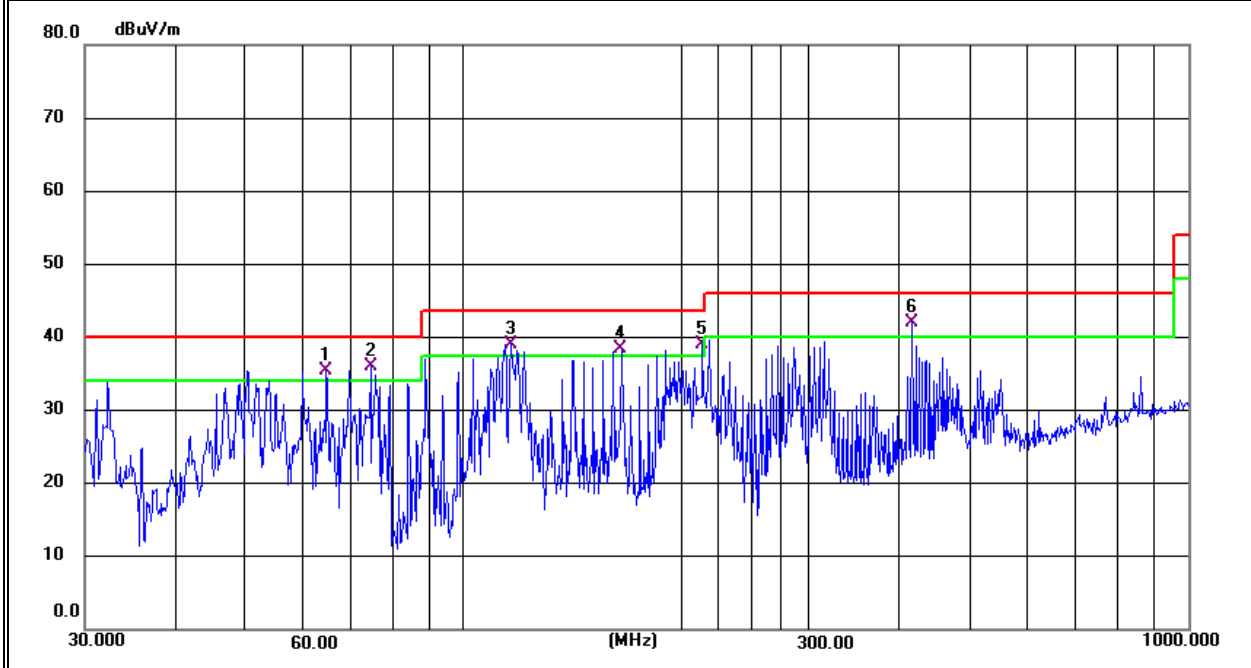


|               |                            |                     |                                  |
|---------------|----------------------------|---------------------|----------------------------------|
| EUT :         | WinEye                     | Model Name. :       | WE1                              |
| Temperature : | 24.3℃                      | Relative Humidity : | 54.5%                            |
| Pressure :    | 1010 hPa                   | Test Voltage :      | DC 5V from Adapter1 AC 120V/60Hz |
| Test Mode :   | TX(5.8G)- 802.11a (Mid CH) |                     |                                  |

| Polar (H/V) | Frequency | Meter Reading | Factor | Emission Level | Limits   | Margin | Remark |
|-------------|-----------|---------------|--------|----------------|----------|--------|--------|
|             | (MHz)     | (dBuV)        | (dB)   | (dBuV/m)       | (dBuV/m) | (dB)   |        |
| V           | 64.6594   | 17.70         | 17.80  | 35.50          | 40.00    | -4.50  | QP     |
| V           | 74.3953   | 21.53         | 14.49  | 36.02          | 40.00    | -3.98  | QP     |
| V           | 116.1320  | 22.17         | 16.83  | 39.00          | 43.50    | -4.50  | QP     |
| V           | 165.4866  | 23.30         | 15.05  | 38.35          | 43.50    | -5.15  | QP     |
| V           | 213.7632  | 21.39         | 17.60  | 38.99          | 43.50    | -4.51  | QP     |
| V           | 416.1791  | 19.59         | 22.45  | 42.04          | 46.00    | -3.96  | QP     |

**Remark:**

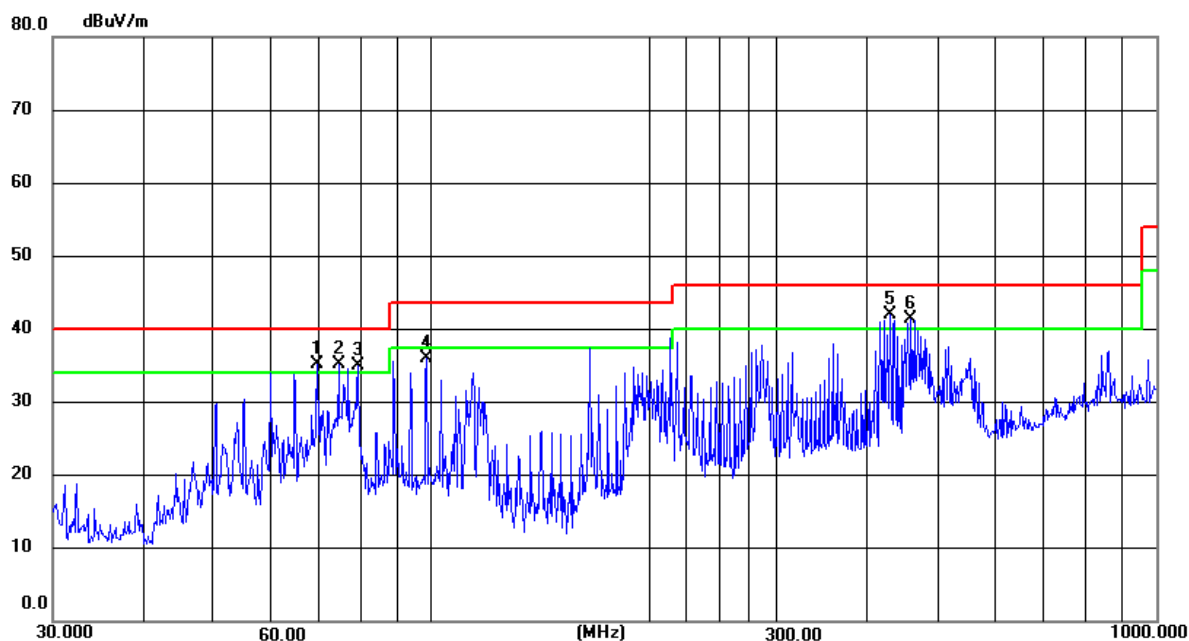
Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit



| Polar<br>(H/V) | Frequency | Meter<br>Reading | Factor | Emission<br>Level | Limits   | Margin | Remark |
|----------------|-----------|------------------|--------|-------------------|----------|--------|--------|
|                | (MHz)     | (dBuV)           | (dB)   | (dBuV/m)          | (dBuV/m) | (dB)   |        |
| H              | 69.6003   | 18.97            | 16.25  | 35.22             | 40.00    | -4.78  | peak   |
| H              | 74.3953   | 20.64            | 14.49  | 35.13             | 40.00    | -4.87  | peak   |
| H              | 79.2425   | 21.21            | 13.79  | 35.00             | 40.00    | -5.00  | peak   |
| H              | 98.4865   | 18.28            | 17.81  | 36.09             | 43.50    | -7.41  | peak   |
| H              | 429.5228  | 19.59            | 22.49  | 42.08             | 46.00    | -3.92  | peak   |
| H              | 459.1143  | 18.38            | 23.10  | 41.48             | 46.00    | -4.52  | peak   |

**Remark:**

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit



Note(1)“802.11a” mode is the worst mode.

(2)Other emissions are attenuated more than 20dB below the permissible limits, so it does not recorded in the report.

### 3.2.8 TEST RESULTS (1GHz-18GHz)

|               |                         |                     |        |
|---------------|-------------------------|---------------------|--------|
| EUT :         | WinEye                  | Model Name. :       | WE1    |
| Temperature : | 20 °C                   | Relative Humidity : | 48%    |
| Pressure :    | 1010 hPa                | Test Voltage :      | DC 5V, |
| Test Mode :   | TX(5.2G) - 802.11a mode |                     |        |

| Polar                              | Frequency | Meter Reading | Cable loss | Antenna Factor | Preamp Factor | Emission Level | Limits   | Margin | Detector Type |
|------------------------------------|-----------|---------------|------------|----------------|---------------|----------------|----------|--------|---------------|
| (H/V)                              | (MHz)     | (dBuV)        | (dB)       | dB/m           | (dB)          | (dBuV/m)       | (dBuV/m) | (dB)   |               |
| Low Channel (5180 MHz)-Above 1G    |           |               |            |                |               |                |          |        |               |
| Vertical                           | 3015      | 51.63         | 5.94       | 35.40          | 44.00         | 48.97          | 68.2     | -19.23 | Pk            |
| Vertical                           | 10360     | 53.45         | 8.46       | 39.75          | 44.50         | 57.16          | 68.2     | -11.04 | Pk            |
| Vertical                           | 15540     | 54.95         | 10.12      | 38.80          | 44.10         | 59.77          | 74       | -14.23 | Pk            |
| Vertical                           | 15540     | 41.72         | 10.12      | 38.80          | 42.70         | 47.94          | 54       | -6.06  | AV            |
| Horizontal                         | 2981      | 48.01         | 5.94       | 35.18          | 44.00         | 45.13          | 68.2     | -23.07 | Pk            |
| Horizontal                         | 10360     | 60.06         | 8.46       | 38.71          | 44.50         | 62.73          | 68.2     | -5.47  | Pk            |
| Horizontal                         | 15540     | 58.66         | 10.12      | 38.38          | 44.10         | 63.06          | 74       | -10.94 | Pk            |
| Horizontal                         | 15540     | 44.81         | 10.12      | 38.38          | 44.10         | 49.21          | 54       | -4.79  | AV            |
| middle Channel (5200 MHz)-Above 1G |           |               |            |                |               |                |          |        |               |
| Vertical                           | 3561      | 52.12         | 6.48       | 36.35          | 44.05         | 50.90          | 68.2     | -17.30 | Pk            |
| Vertical                           | 10400     | 42.87         | 8.47       | 37.88          | 44.51         | 44.71          | 68.2     | -23.49 | Pk            |
| Vertical                           | 15600     | 56.60         | 10.12      | 38.8           | 44.1          | 61.42          | 74       | -12.58 | Pk            |
| Vertical                           | 15600     | 40.67         | 10.12      | 38.8           | 42.7          | 46.89          | 54       | -7.11  | AV            |
| Horizontal                         | 3363      | 55.83         | 6.48       | 36.37          | 44.05         | 54.63          | 68.2     | -13.57 | Pk            |
| Horizontal                         | 10400     | 45.89         | 8.47       | 38.64          | 44.5          | 48.50          | 68.2     | -19.70 | Pk            |
| Horizontal                         | 15600     | 57.82         | 10.12      | 38.38          | 44.1          | 62.22          | 74       | -11.78 | Pk            |
| Horizontal                         | 15600     | 43.27         | 10.12      | 38.38          | 44.1          | 47.67          | 54       | -6.33  | AV            |
| High Channel (5240 MHz)-Above 1G   |           |               |            |                |               |                |          |        |               |
| Vertical                           | 3926      | 53.54         | 7.1        | 37.24          | 43.5          | 54.38          | 74       | -19.62 | Pk            |
| Vertical                           | 3926      | 42.59         | 7.1        | 37.24          | 43.5          | 43.43          | 54       | -10.57 | AV            |
| Vertical                           | 10480     | 53.85         | 8.46       | 37.68          | 44.5          | 55.49          | 68.2     | -12.71 | Pk            |
| Vertical                           | 15720     | 49.77         | 10.12      | 38.8           | 44.1          | 54.59          | 74       | -19.41 | Pk            |
| Vertical                           | 15720     | 44.33         | 10.12      | 38.8           | 42.7          | 50.55          | 54       | -3.45  | AV            |
| Horizontal                         | 3885      | 40.29         | 7.1        | 37.24          | 43.5          | 41.13          | 74       | -32.87 | Pk            |
| Horizontal                         | 3885      | 43.04         | 7.1        | 37.24          | 43.5          | 43.88          | 54       | -10.12 | AV            |
| Horizontal                         | 10480     | 48.30         | 8.46       | 38.57          | 44.5          | 50.83          | 68.2     | -17.37 | Pk            |
| Horizontal                         | 15720     | 54.66         | 10.12      | 38.38          | 44.1          | 59.06          | 74       | -14.94 | Pk            |
| Horizontal                         | 15720     | 44.36         | 10.12      | 38.38          | 44.1          | 48.76          | 54       | -5.24  | AV            |

Note:"802.11a" mode is the worst mode.

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported. Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

|               |                           |                     |        |
|---------------|---------------------------|---------------------|--------|
| EUT :         | WinEye                    | Model Name. :       | WE1    |
| Temperature : | 20 °C                     | Relative Humidity : | 48%    |
| Pressure :    | 1010 hPa                  | Test Voltage :      | DC 5V, |
| Test Mode :   | TX (5.8G) -- 802.11a mode |                     |        |

| Polar                               | Frequency | Meter Reading | Cable loss | Antenna Factor | Preamp Factor | Emission Level | Limits   | Margin | Detector Type |
|-------------------------------------|-----------|---------------|------------|----------------|---------------|----------------|----------|--------|---------------|
| (H/V)                               | (MHz)     | (dBuV)        | (dB)       | dB/m           | (dB)          | (dBuV/m)       | (dBuV/m) | (dB)   |               |
| Low Channel (5745 MHz)- Above 1G    |           |               |            |                |               |                |          |        |               |
| Vertical                            | 2806.9    | 55.07         | 5.94       | 35.40          | 44.00         | 52.41          | 74.00    | -21.59 | Pk            |
| Vertical                            | 2806.9    | 47.10         | 5.94       | 35.40          | 44.00         | 44.44          | 54.00    | -9.56  | AV            |
| Vertical                            | 11490.56  | 53.28         | 8.46       | 39.75          | 44.50         | 56.99          | 74.00    | -17.01 | Pk            |
| Vertical                            | 11490.56  | 45.62         | 8.46       | 39.75          | 44.50         | 49.33          | 54.00    | -4.67  | AV            |
| Vertical                            | 17235.32  | 46.29         | 10.12      | 38.80          | 44.10         | 51.11          | 68.20    | -17.09 | Pk            |
| Horizontal                          | 2911.524  | 49.47         | 5.94       | 35.18          | 44.00         | 46.59          | 68.20    | -21.61 | Pk            |
| Horizontal                          | 11490.56  | 56.95         | 8.46       | 38.71          | 44.50         | 59.62          | 74.00    | -14.38 | Pk            |
| Horizontal                          | 11490.56  | 48.70         | 8.46       | 38.71          | 44.50         | 51.37          | 54.00    | -2.63  | AV            |
| Horizontal                          | 17235.56  | 42.44         | 10.12      | 38.38          | 44.10         | 46.84          | 68.20    | -21.36 | Pk            |
| middle Channel (5785 MHz)- Above 1G |           |               |            |                |               |                |          |        |               |
| Vertical                            | 3763.083  | 56.94         | 6.48       | 36.35          | 44.05         | 55.72          | 74.00    | -18.28 | Pk            |
| Vertical                            | 3763.083  | 47.63         | 6.48       | 36.35          | 44.05         | 46.41          | 54.00    | -7.59  | AV            |
| Vertical                            | 11570.56  | 58.29         | 8.47       | 37.88          | 44.51         | 60.13          | 74.00    | -13.87 | Pk            |
| Vertical                            | 11570.56  | 49.30         | 8.47       | 37.88          | 44.51         | 51.14          | 54.00    | -2.86  | AV            |
| Vertical                            | 17355.56  | 46.74         | 10.12      | 38.8           | 44.10         | 51.56          | 68.20    | -16.64 | Pk            |
| Horizontal                          | 3561.585  | 56.76         | 6.48       | 36.37          | 44.05         | 55.56          | 68.20    | -12.64 | Pk            |
| Horizontal                          | 11570.56  | 56.82         | 8.47       | 38.64          | 44.50         | 59.43          | 74.00    | -14.57 | Pk            |
| Horizontal                          | 11570.56  | 42.99         | 8.47       | 38.64          | 44.50         | 45.60          | 54.00    | -8.40  | AV            |
| Horizontal                          | 17355.56  | 49.07         | 10.12      | 38.38          | 44.10         | 53.47          | 74.00    | -20.53 | Pk            |
| Horizontal                          | 17355.35  | 42.75         | 10.12      | 38.38          | 44.10         | 47.15          | 54.00    | -6.85  | AV            |
| High Channel (5825 MHz)- Above 1G   |           |               |            |                |               |                |          |        |               |
| Vertical                            | 3907.168  | 51.77         | 7.10       | 37.24          | 43.50         | 52.61          | 74.00    | -21.39 | Pk            |
| Vertical                            | 3907.168  | 45.79         | 7.10       | 37.24          | 43.50         | 46.63          | 54.00    | -7.37  | AV            |
| Vertical                            | 11650.54  | 54.84         | 8.46       | 37.68          | 44.50         | 56.48          | 74.00    | -17.52 | Pk            |
| Vertical                            | 11650.54  | 48.39         | 8.46       | 37.68          | 44.50         | 50.03          | 54.00    | -3.97  | AV            |
| Vertical                            | 17475.54  | 49.38         | 10.12      | 38.8           | 44.10         | 54.20          | 68.20    | -14.00 | Pk            |
| Horizontal                          | 3912.779  | 54.16         | 7.10       | 37.24          | 43.50         | 55.00          | 74.00    | -19.00 | Pk            |
| Horizontal                          | 3912.779  | 44.55         | 7.10       | 37.24          | 43.50         | 45.39          | 54.00    | -8.61  | AV            |
| Horizontal                          | 11650.54  | 54.38         | 8.46       | 38.57          | 44.50         | 56.91          | 74.00    | -17.09 | Pk            |
| Horizontal                          | 11650.54  | 48.38         | 8.46       | 38.57          | 44.50         | 50.91          | 54.00    | -3.09  | AV            |
| Horizontal                          | 17475.54  | 42.02         | 10.12      | 38.38          | 44.10         | 46.42          | 68.20    | -21.78 | Pk            |
| Horizontal                          | 10640.52  | 49.63         | 8.03       | 38.57          | 44.50         | 51.73          | 54.00    | -2.27  | AV            |
| Horizontal                          | 15961.16  | 48.08         | 9.81       | 38.38          | 44.10         | 52.17          | 74.00    | -21.83 | Pk            |
| Horizontal                          | 15961.16  | 44.15         | 9.96       | 38.38          | 44.10         | 48.39          | 54.00    | -5.61  | AV            |

Note:"802.11a" mode is the worst mode.

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

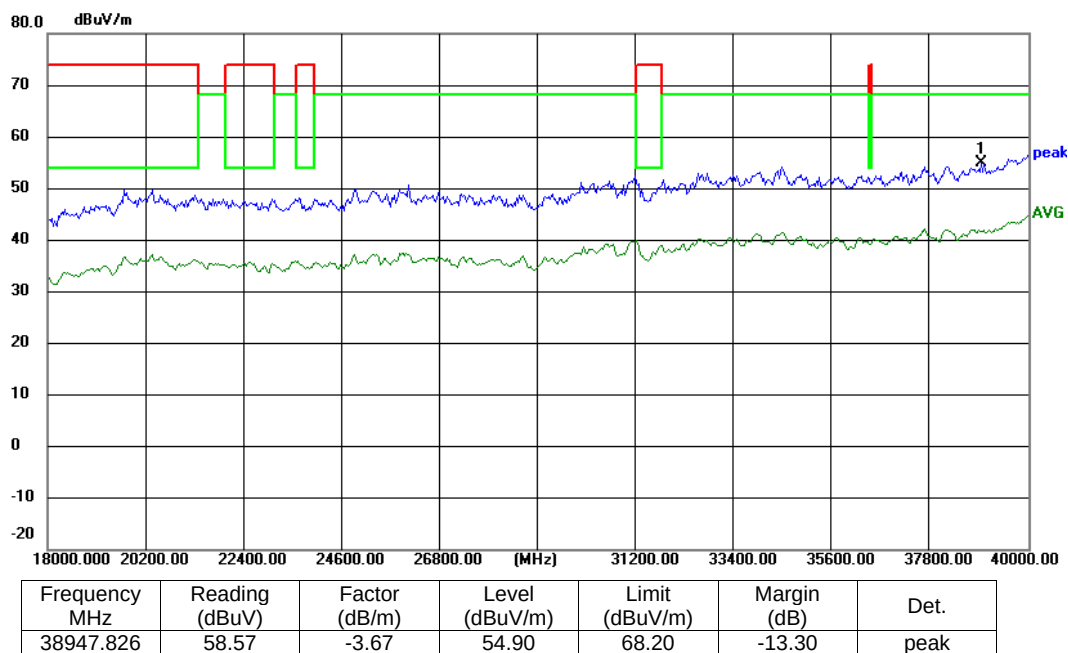
### 3.2.9 TEST RESULTS (18GHz-40GHz)

|               |                                       |                     |       |
|---------------|---------------------------------------|---------------------|-------|
| EUT :         | WinEye                                | Model Name. :       | WE1   |
| Temperature : | 25.3 °C                               | Relative Humidity : | 52%   |
| Pressure :    | 1010 hPa                              | Test Voltage :      | DC 5V |
| Test Mode :   | TX (5.2G)-802.11a ; TX (5.8G)-802.11a |                     |       |

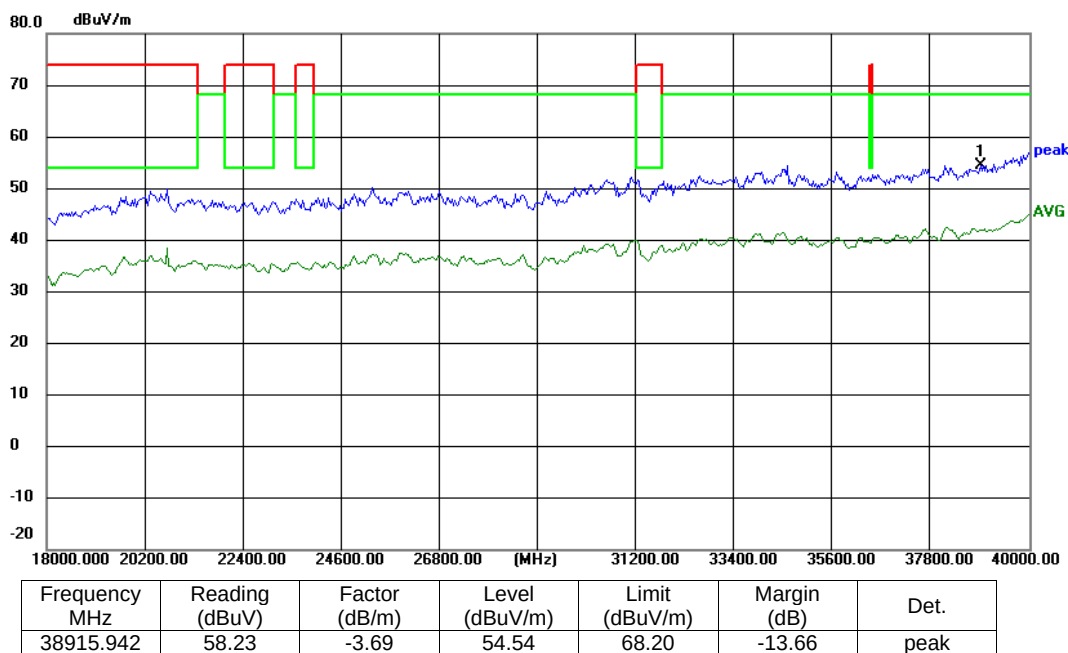
All the modulation modes have been tested, and the worst result was report as below:

Low Channel (5180 MHz)-Above 1G

Horizontal

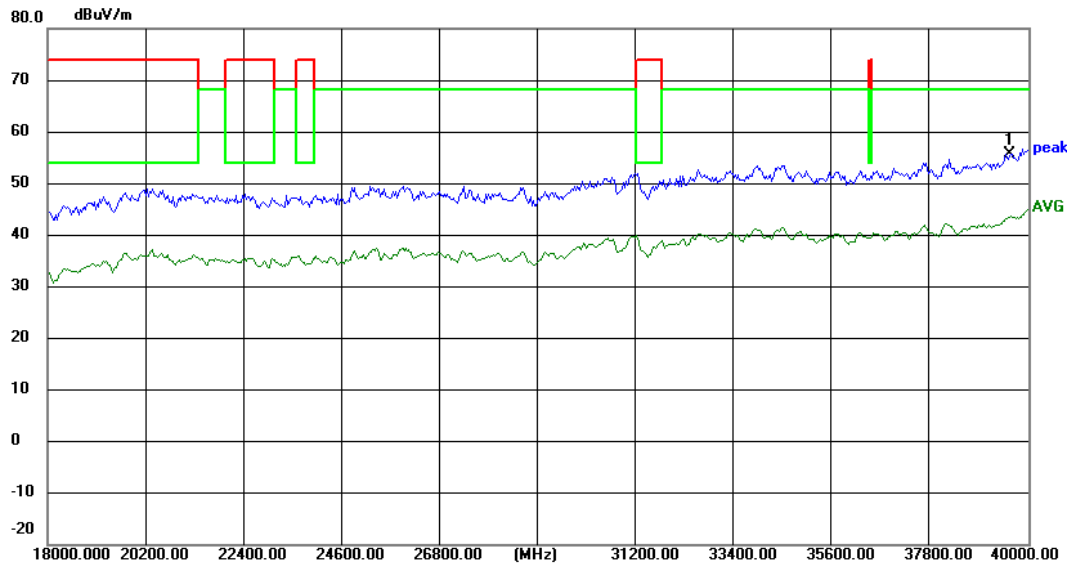


Vertical



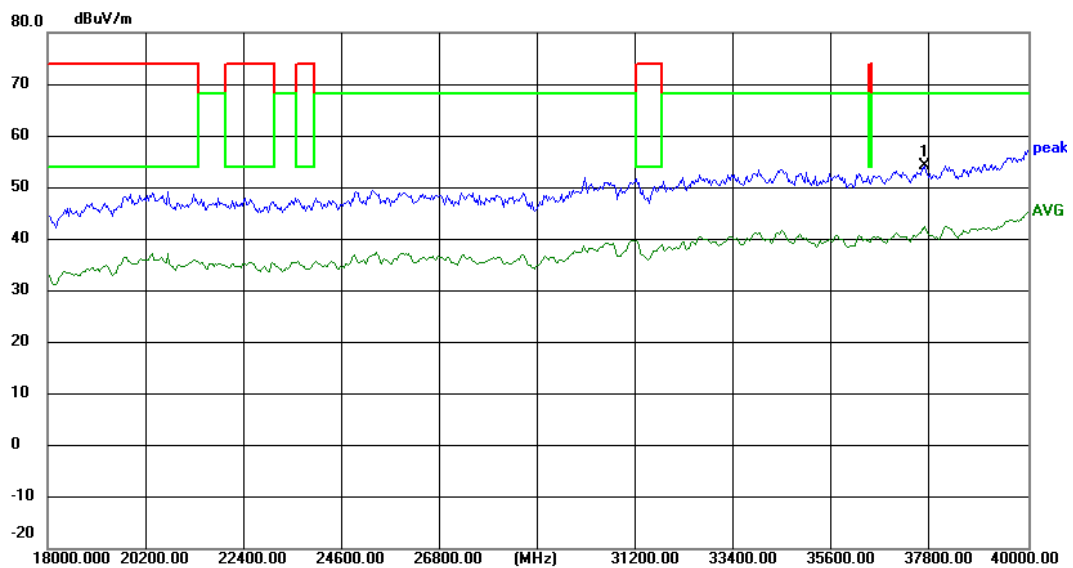
# High Channel (5240 MHz)-Above 1G

Horizontal



| Frequency<br>MHz | Reading<br>(dBuV) | Factor<br>(dB/m) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. |
|------------------|-------------------|------------------|-------------------|-------------------|----------------|------|
| 39617.391        | 59.42             | -3.70            | 55.72             | 68.20             | -12.48         | peak |

Vertical

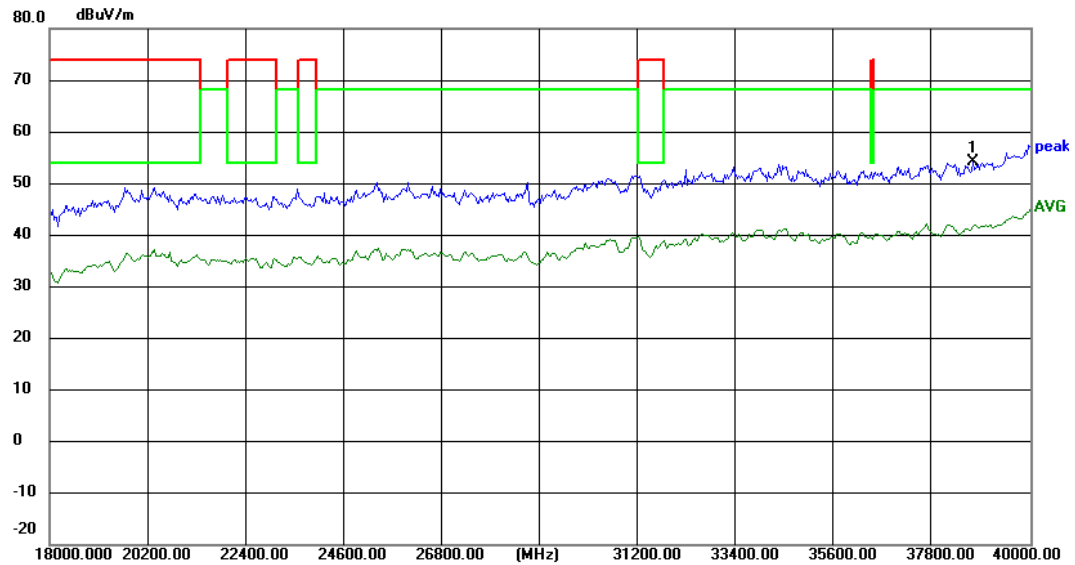


| Frequency<br>MHz | Reading<br>(dBuV) | Factor<br>(dB/m) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. |
|------------------|-------------------|------------------|-------------------|-------------------|----------------|------|
| 37672.464        | 58.43             | -4.20            | 54.23             | 68.20             | -13.97         | peak |

Note:802.11a mode is the worst mode.

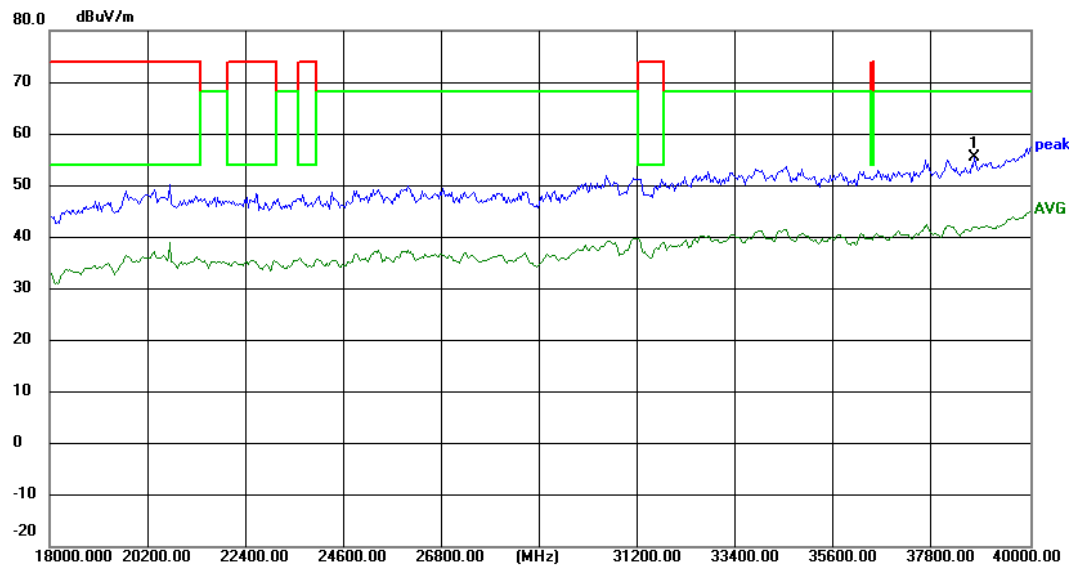
# Low Channel (5745 MHz)-Above 1G

Horizontal



| Frequency<br>MHz | Reading<br>(dBuV) | Factor<br>(dB/m) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. |
|------------------|-------------------|------------------|-------------------|-------------------|----------------|------|
| 38724.638        | 57.98             | -3.79            | 54.19             | 68.20             | -14.01         | peak |

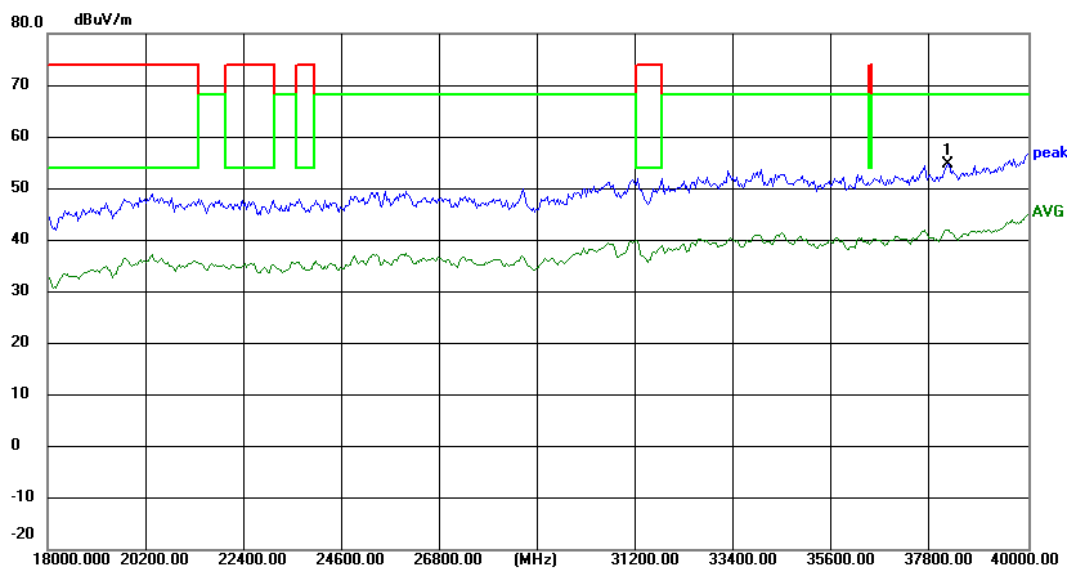
Vertical



| Frequency<br>MHz | Reading<br>(dBuV) | Factor<br>(dB/m) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. |
|------------------|-------------------|------------------|-------------------|-------------------|----------------|------|
| 38756.522        | 59.15             | -3.75            | 55.40             | 68.20             | -12.80         | peak |

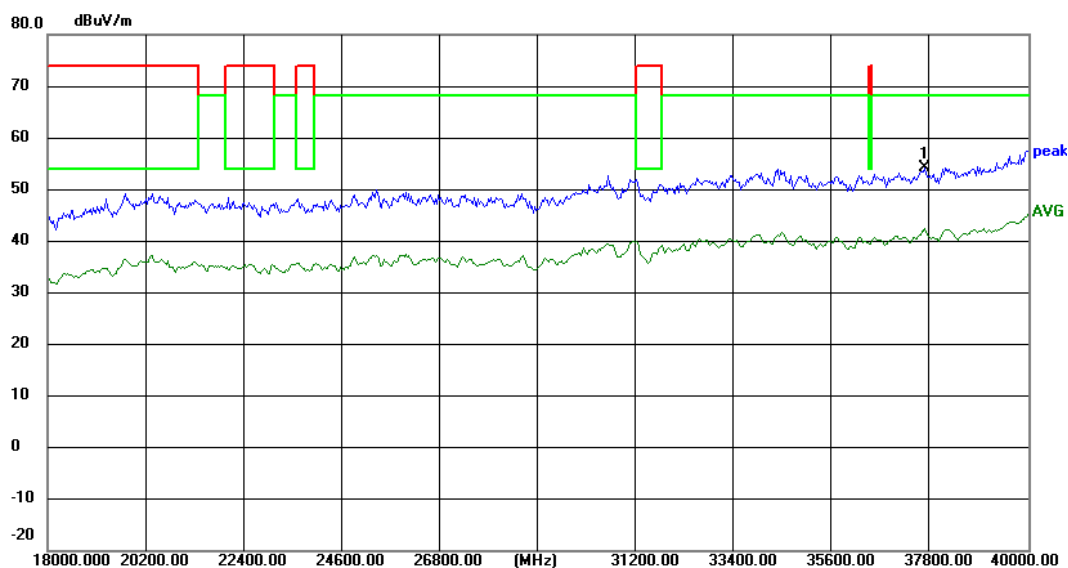
# High Channel (5825 MHz)-Above 1G

Horizontal



| Frequency<br>MHz | Reading<br>(dBuV) | Factor<br>(dB/m) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. |
|------------------|-------------------|------------------|-------------------|-------------------|----------------|------|
| 38182.609        | 58.70             | -4.10            | 54.60             | 68.20             | -13.60         | peak |

Vertical



| Frequency<br>MHz | Reading<br>(dBuV) | Factor<br>(dB/m) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. |
|------------------|-------------------|------------------|-------------------|-------------------|----------------|------|
| 37672.464        | 58.51             | -4.20            | 54.31             | 68.20             | -13.89         | peak |

Note:802.11a mode is the worst mode.

### 3.2.10 Spurious Emission in Restricted Band 4.5GHz~5.150 GHz& 5.350GHz~5460GHz

|               |                   |                     |       |
|---------------|-------------------|---------------------|-------|
| EUT :         | WinEye            | Model Name. :       | WE1   |
| Temperature : | 20 °C             | Relative Humidity : | 48%   |
| Pressure :    | 1010 hPa          | Test Voltage :      | DC 5V |
| Test Mode :   | TX (5.2G)-802.11a |                     |       |

All the modulation modes have been tested, The report just record the worst data mode.

| Frequency | Meter Reading | Cable Loss | Antenna Factor | Preamp Factor | Emission Level | Limits   | Margin | Detector | Comment    |
|-----------|---------------|------------|----------------|---------------|----------------|----------|--------|----------|------------|
| (MHz)     | (dBμV)        | (dB)       | dB/m           | (dB)          | (dBμV/m)       | (dBμV/m) | (dB)   | Type     |            |
| 802.11a   |               |            |                |               |                |          |        |          |            |
| 4500      | 65.05         | 5.2        | 35.6           | 44.2          | 61.65          | 74       | -12.35 | Pk       | Horizontal |
| 4500      | 53.76         | 5.2        | 35.6           | 44.2          | 50.36          | 54       | -3.64  | AV       | Horizontal |
| 4500      | 64.56         | 5.2        | 35.6           | 44.2          | 61.16          | 74       | -12.84 | Pk       | Horizontal |
| 4500      | 54.42         | 5.2        | 35.6           | 44.2          | 51.02          | 54       | -2.98  | AV       | Horizontal |
| 5150      | 61.89         | 5.36       | 35.66          | 44.22         | 58.69          | 74       | -15.31 | Pk       | Horizontal |
| 5150      | 52.56         | 5.36       | 35.66          | 44.22         | 49.36          | 54       | -4.64  | AV       | Horizontal |
| 5150      | 62.23         | 5.36       | 35.66          | 44.22         | 59.03          | 74       | -14.97 | Pk       | Vertical   |
| 5150      | 47.99         | 5.36       | 35.66          | 44.22         | 44.79          | 54       | -9.21  | AV       | Vertical   |
| 5350      | 62.36         | 5.68       | 35.68          | 44.22         | 59.50          | 74       | -14.50 | Pk       | Vertical   |
| 5350      | 50.08         | 5.68       | 35.68          | 44.22         | 47.22          | 54       | -6.78  | AV       | Vertical   |
| 5350      | 60.27         | 5.68       | 35.68          | 44.22         | 57.41          | 74       | -16.59 | Pk       | Horizontal |
| 5350      | 47.47         | 5.68       | 35.68          | 44.22         | 44.61          | 54       | -9.39  | AV       | Horizontal |

Note: (1) Emission Level= Antenna Factor + Cable Loss + Read Level - Preamp Factor

(2) "802.11a " mode is the worst mode. When PK value is lower than the Average value limit, average don't record.

## 4 POWER SPECTRAL DENSITY TEST

### 4.1 APPLIED PROCEDURES / LIMIT

#### According to FCC §15.407(a)

For the band 5.15-5.25 GHz,

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz

(3) For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

,

## 4.2 TEST PROCEDURE

For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

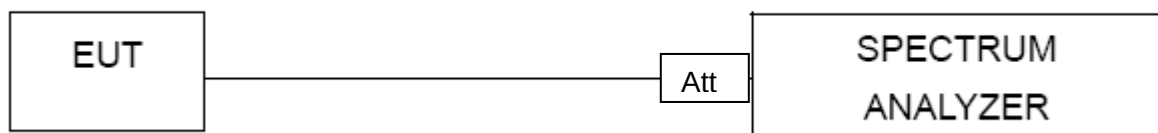
- a) Set  $RBW \geq 1/T$ , where T is defined in section II.B.I.a).
- b) Set  $VBW \geq 3 RBW$ .
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add  $10\log(500\text{kHz}/RBW)$  to the measured result, whereas  $RBW (< 500 \text{ KHz})$  is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add  $10\log(1\text{MHz}/RBW)$  to the measured result, whereas  $RBW (< 1 \text{ MHz})$  is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 KHz for the sections 5.c) and 5.d) above, since  $RBW=100 \text{ KHz}$  is available on nearly all spectrum analyzers.

## 4.3 DEVIATION FROM STANDARD

No deviation.

## 4.4 TEST SETUP



## 4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

**4.6 TEST RESULTS**

|               |                                                           |                     |       |
|---------------|-----------------------------------------------------------|---------------------|-------|
| EUT :         | WinEye                                                    | Model Name :        | WE1   |
| Temperature : | 26 °C                                                     | Relative Humidity : | 54%   |
| Pressure :    | 1015 hPa                                                  | Test Voltage :      | DC 5V |
| Test Mode :   | TX Frequency Band 1 (5150-5250MHz), Band 3 (5745-5825MHz) |                     |       |

Test data reference attachment.

## 5. 26DB & 99% EMISSION BANDWIDTH

### 5.1 APPLIED PROCEDURES / LIMIT

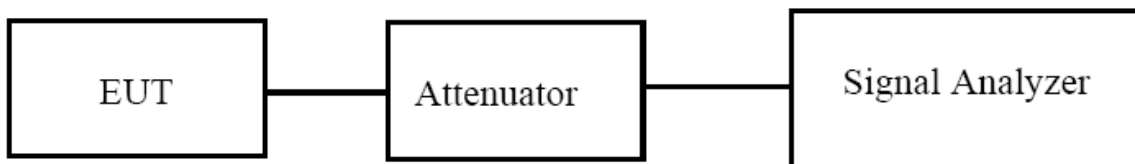
The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

### 5.2 TEST PROCEDURE

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

The following procedure shall be used for measuring (99 %) power bandwidth:

- Set center frequency to the nominal EUT channel center frequency.
- Set span = 1.5 times to 5.0 times the OBW.
- Set RBW = 1 % to 5 % of the OBW
- Set VBW  $\geq 3 \cdot$  RBW
- Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- Use the 99 % power bandwidth function of the instrument (if available).
- If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.



### 5.3 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

### 5.4 TEST RESULTS

|               |                                                           |                     |       |
|---------------|-----------------------------------------------------------|---------------------|-------|
| EUT :         | WinEye                                                    | Model Name :        | WE1   |
| Temperature : | 26 °C                                                     | Relative Humidity : | 54%   |
| Pressure :    | 1012 hPa                                                  | Test Voltage :      | DC 5V |
| Test Mode :   | TX Frequency Band 1 (5150-5250MHz), Band 3 (5745-5825MHz) |                     |       |

Test data reference attachment.

## 6. MINIMUM 6 DB BANDWIDTH

### 6.1 APPLIED PROCEDURES / LIMIT

#### According to FCC §15.407(e)

(e) Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

### 6.2 EST PROCEDURE

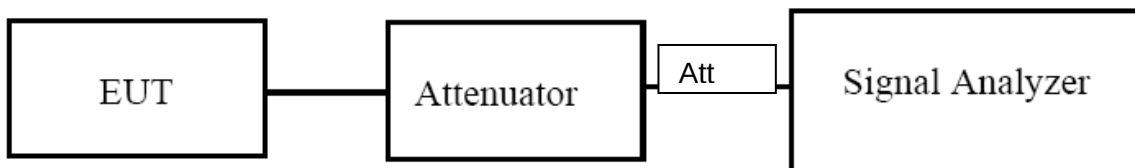
Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW)  $\geq 3 \times$  RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

### 6.3 DEVIATION FROM STANDARD

No deviation.

### 6.4 TEST SETUP



### 6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

**6.6 TEST RESULTS**

|               |                                              |                     |       |
|---------------|----------------------------------------------|---------------------|-------|
| EUT :         | WinEye                                       | Model Name :        | WE1   |
| Temperature : | 26 °C                                        | Relative Humidity : | 54%   |
| Pressure :    | 1012 hPa                                     | Test Voltage :      | DC 5V |
| Test Mode :   | TX (5G) Mode Frequency Band 3 (5725-5850MHz) |                     |       |

Test data reference attachment.

## 7. MAXIMUM CONDUCTED OUTPUT POWER

### 7.1 PPLIED PROCEDURES / LIMIT

#### According to FCC §15.407

The maximum conducted output power should not exceed:

| Frequency Band(MHz) | Limit                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| 5150~5250           | 250mW                                                                                                     |
| 5250~5350           | 250 mW or 11 dBm + 10 log B<br>Note: The limit is the smaller of the two, "B" represents -26dB bandwidth. |
| 5470~5725           | 250 mW or 11 dBm + 10 log B<br>Note: The limit is the smaller of the two, "B" represents -26dB bandwidth. |
| 5725~5850           | 1W                                                                                                        |

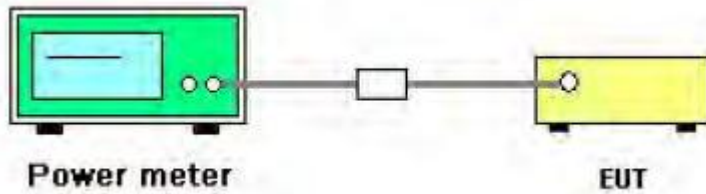
### 7.2 TEST PROCEDURE

- Method PM-G is measurement using a gated RF average power meter. Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

### 7.3 DEVIATION FROM STANDARD

No deviation.

### 7.4 TEST SETUP



### 7.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

**7.6 TEST RESULTS**

|               |                                                                     |                     |       |
|---------------|---------------------------------------------------------------------|---------------------|-------|
| EUT :         | WinEye                                                              | Model Name :        | WE1   |
| Temperature : | 26 °C                                                               | Relative Humidity : | 54%   |
| Pressure :    | 1012 hPa                                                            | Test Voltage :      | DC 5V |
| Test Mode :   | TX (5G) Mode Frequency Band 1 (5150-5250MHz), Band 3 (5745-5825MHz) |                     |       |

Test data reference attachment.

## **8. OUT OF BAND EMISSIONS**

### **8.1 APPLICABLE STANDARD**

#### **According to FCC §15.407(b)**

Undesirable emission limits. Except as shown in paragraph (b)(10) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
  - (i) All emissions shall be limited to a level of  $-27$  dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
  - (ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.

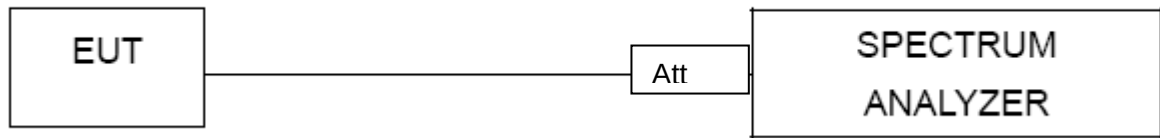
### **8.2 TEST PROCEDURE**

The testing per ANSI C63.10 Section 12.7.4.2

### **8.3 DEVIATION FROM STANDARD**

No deviation.

### **8.4 TEST SETUP**



### 8.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

8.6 TEST RESULTS

|               |          |                     |       |
|---------------|----------|---------------------|-------|
| EUT :         | WinEye   | Model Name :        | WE1   |
| Temperature : | 26 °C    | Relative Humidity : | 54%   |
| Pressure :    | 1012 hPa | Test Voltage :      | DC 5V |

Test data reference attachment.

## 9. Frequency Stability Measurement

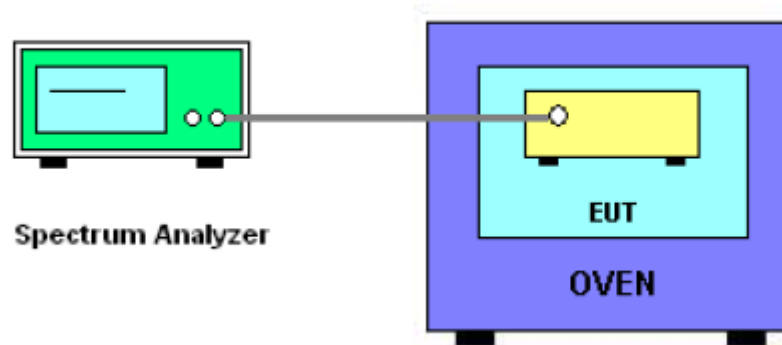
### 9.1 LIMIT

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

### 9.2 TEST PROCEDURES

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5.  $f_c$  is declaring of channel frequency. Then the frequency error formula is  $(f_c - f)/f_c \times 10^6$  ppm
- t6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
7. Extreme temperature is -20°C~70°C.

### 9.3 TEST SETUP LAYOUT



### 9.4 EUT OPERATION DURING TEST

1. The EUT was programmed to be in continuously un-modulation transmitting mode.

## 9.5 TEST RESULTS

|               |                                    |                     |       |
|---------------|------------------------------------|---------------------|-------|
| EUT :         | WinEye                             | Model Name. :       | WE1   |
| Temperature : | 25 °C                              | Relative Humidity : | 56%   |
| Pressure :    | 1012 hPa                           | Test Voltage :      | DC 5V |
| Test Mode :   | TX Frequency Band I (5150-5250MHz) |                     |       |

### Voltage vs. Frequency Stability

| TEST CONDITIONS |    |           |     | Reference Frequency: 5180MHz |      |                            |                            |
|-----------------|----|-----------|-----|------------------------------|------|----------------------------|----------------------------|
|                 |    |           |     | f                            | fc   | Max.<br>Deviation<br>(MHz) | Max.<br>Deviation<br>(ppm) |
| T nom<br>(°C)   | 20 | V nom (V) | 5   | 5180.0019                    | 5180 | 0.0019                     | 0.3639                     |
|                 |    | V max (V) | 5.5 | 5180.0003                    | 5180 | 0.0003                     | 0.0538                     |
|                 |    | V min (V) | 4.5 | 5180.0011                    | 5180 | 0.0011                     | 0.2217                     |
| Limits          |    |           |     | Within 5150-5250MHz          |      |                            |                            |
| Result          |    |           |     | Complies                     |      |                            |                            |

### Temperature vs. Frequency Stability

| TEST CONDITIONS |   |        |     | Reference Frequency: 5180MHz |      |                            |                            |
|-----------------|---|--------|-----|------------------------------|------|----------------------------|----------------------------|
|                 |   |        |     | f                            | fc   | Max.<br>Deviation<br>(MHz) | Max.<br>Deviation<br>(ppm) |
| V nom (V)       | 5 | T (°C) | -20 | 5180.0011                    | 5180 | 0.0011                     | 0.2134                     |
|                 |   | T (°C) | -10 | 5180.0016                    | 5180 | 0.0016                     | 0.3036                     |
|                 |   | T (°C) | 0   | 5180.0018                    | 5180 | 0.0018                     | 0.3539                     |
|                 |   | T (°C) | 10  | 5180.0011                    | 5180 | 0.0011                     | 0.2062                     |
|                 |   | T (°C) | 20  | 5180.0000                    | 5180 | 0.0000                     | 0.0055                     |
|                 |   | T (°C) | 30  | 5180.0002                    | 5180 | 0.0002                     | 0.0351                     |
|                 |   | T (°C) | 40  | 5180.0010                    | 5180 | 0.0010                     | 0.1975                     |
|                 |   | T (°C) | 50  | 5180.0008                    | 5180 | 0.0008                     | 0.1565                     |
|                 |   | T (°C) | 60  | 5180.0007                    | 5180 | 0.0007                     | 0.1352                     |
|                 |   | T (°C) | 70  | 5180.0004                    | 5180 | 0.0004                     | 0.0750                     |
| Limits          |   |        |     | Within 5150-5250MHz          |      |                            |                            |
| Result          |   |        |     | Complies                     |      |                            |                            |

## Voltage vs. Frequency Stability

| TEST CONDITIONS |    |           |     | Reference Frequency: 5200MHz |      |                            |                            |
|-----------------|----|-----------|-----|------------------------------|------|----------------------------|----------------------------|
|                 |    |           |     | f                            | fc   | Max.<br>Deviation<br>(MHz) | Max.<br>Deviation<br>(ppm) |
| T nom<br>(°C)   | 20 | V nom (V) | 5   | 5200.0003                    | 5200 | 0.0003                     | 0.0517                     |
|                 |    | V max (V) | 5.5 | 5200.0006                    | 5200 | 0.0006                     | 0.1134                     |
|                 |    | V min (V) | 4.5 | 5200.0016                    | 5200 | 0.0016                     | 0.3045                     |
| Limits          |    |           |     | Within 5150-5250MHz          |      |                            |                            |
| Result          |    |           |     | Complies                     |      |                            |                            |

## Temperature vs. Frequency Stability

| TEST CONDITIONS |   |        |     | Reference Frequency: 5200MHz |      |                            |                            |
|-----------------|---|--------|-----|------------------------------|------|----------------------------|----------------------------|
|                 |   |        |     | f                            | fc   | Max.<br>Deviation<br>(MHz) | Max.<br>Deviation<br>(ppm) |
| V nom (V)       | 5 | T (°C) | -20 | 5200.0017                    | 5200 | 0.0017                     | 0.3311                     |
|                 |   | T (°C) | -10 | 5200.0012                    | 5200 | 0.0012                     | 0.2308                     |
|                 |   | T (°C) | 0   | 5200.0017                    | 5200 | 0.0017                     | 0.3276                     |
|                 |   | T (°C) | 10  | 5200.0016                    | 5200 | 0.0016                     | 0.3082                     |
|                 |   | T (°C) | 20  | 5200.0009                    | 5200 | 0.0009                     | 0.1759                     |
|                 |   | T (°C) | 30  | 5200.0006                    | 5200 | 0.0006                     | 0.1243                     |
|                 |   | T (°C) | 40  | 5200.0014                    | 5200 | 0.0014                     | 0.2632                     |
|                 |   | T (°C) | 50  | 5200.0009                    | 5200 | 0.0009                     | 0.1702                     |
|                 |   | T (°C) | 60  | 5200.0017                    | 5200 | 0.0017                     | 0.3290                     |
|                 |   | T (°C) | 70  | 5200.0017                    | 5200 | 0.0017                     | 0.3316                     |
| Limits          |   |        |     | Within 5150-5250MHz          |      |                            |                            |
| Result          |   |        |     | Complies                     |      |                            |                            |

## Voltage vs. Frequency Stability

| TEST CONDITIONS |    |           |     | Reference Frequency: 5240MHz |      |                            |                            |
|-----------------|----|-----------|-----|------------------------------|------|----------------------------|----------------------------|
|                 |    |           |     | f                            | fc   | Max.<br>Deviation<br>(MHz) | Max.<br>Deviation<br>(ppm) |
| T nom<br>(°C)   | 20 | V nom (V) | 5   | 5240.0014                    | 5240 | 0.0014                     | 0.2704                     |
|                 |    | V max (V) | 5.5 | 5240.0004                    | 5240 | 0.0004                     | 0.0720                     |
|                 |    | V min (V) | 4.5 | 5240.0012                    | 5240 | 0.0012                     | 0.2265                     |
| Limits          |    |           |     | Within 5150-5250MHz          |      |                            |                            |
| Result          |    |           |     | Complies                     |      |                            |                            |

## Temperature vs. Frequency Stability

| TEST CONDITIONS |   |        |     | Reference Frequency: 5240MHz |      |                            |                            |
|-----------------|---|--------|-----|------------------------------|------|----------------------------|----------------------------|
|                 |   |        |     | f                            | fc   | Max.<br>Deviation<br>(MHz) | Max.<br>Deviation<br>(ppm) |
| V nom (V)       | 5 | T (°C) | -20 | 5240.0019                    | 5240 | 0.0019                     | 0.3677                     |
|                 |   | T (°C) | -10 | 5240.0016                    | 5240 | 0.0016                     | 0.3108                     |
|                 |   | T (°C) | 0   | 5240.0020                    | 5240 | 0.0020                     | 0.3763                     |
|                 |   | T (°C) | 10  | 5240.0012                    | 5240 | 0.0012                     | 0.2267                     |
|                 |   | T (°C) | 20  | 5240.0001                    | 5240 | 0.0001                     | 0.0132                     |
|                 |   | T (°C) | 30  | 5240.0002                    | 5240 | 0.0002                     | 0.0330                     |
|                 |   | T (°C) | 40  | 5240.0016                    | 5240 | 0.0016                     | 0.3133                     |
|                 |   | T (°C) | 50  | 5240.0003                    | 5240 | 0.0003                     | 0.0618                     |
|                 |   | T (°C) | 60  | 5240.0006                    | 5240 | 0.0006                     | 0.1143                     |
|                 |   | T (°C) | 70  | 5240.0009                    | 5240 | 0.0009                     | 0.1738                     |
| Limits          |   |        |     | Within 5150-5250MHz          |      |                            |                            |
| Result          |   |        |     | Complies                     |      |                            |                            |

|               |                            |                     |       |
|---------------|----------------------------|---------------------|-------|
| EUT :         | WinEye                     | Model Name. :       | WE1   |
| Temperature : | 25 °C                      | Relative Humidity : | 56%   |
| Pressure :    | 1012 hPa                   | Test Voltage :      | DC 5V |
| Test Mode :   | TX Frequency(5745-5850MHz) |                     |       |

#### Voltage vs. Frequency Stability

Page VS: Frequency Stability

| TEST CONDITIONS |    |           |     | Reference Frequency: 5745MHz |      |                            |                            |
|-----------------|----|-----------|-----|------------------------------|------|----------------------------|----------------------------|
|                 |    |           |     | f                            | fc   | Max.<br>Deviation<br>(MHz) | Max.<br>Deviation<br>(ppm) |
| T nom<br>(°C)   | 20 | V nom (V) | 5   | 5745.0003                    | 5745 | 0.0003                     | 0.0576                     |
|                 |    | V max (V) | 5.5 | 5745.0008                    | 5745 | 0.0008                     | 0.1420                     |
|                 |    | V min (V) | 4.5 | 5745.0020                    | 5745 | 0.0020                     | 0.3480                     |
| Limits          |    |           |     | Within 5745-5850MHz          |      |                            |                            |
| Result          |    |           |     | Complies                     |      |                            |                            |

#### Temperature vs. Frequency Stability

| TEST CONDITIONS |   |        |     | Reference Frequency: 5745MHz |      |                            |                            |
|-----------------|---|--------|-----|------------------------------|------|----------------------------|----------------------------|
|                 |   |        |     | f                            | fc   | Max.<br>Deviation<br>(MHz) | Max.<br>Deviation<br>(ppm) |
| V nom (V)       | 5 | T (°C) | -20 | 5745.0007                    | 5745 | 0.0007                     | 0.1228                     |
|                 |   | T (°C) | -10 | 5745.0003                    | 5745 | 0.0003                     | 0.0463                     |
|                 |   | T (°C) | 0   | 5745.0015                    | 5745 | 0.0015                     | 0.2679                     |
|                 |   | T (°C) | 10  | 5745.0001                    | 5745 | 0.0001                     | 0.0186                     |
|                 |   | T (°C) | 20  | 5745.0014                    | 5745 | 0.0014                     | 0.2449                     |
|                 |   | T (°C) | 30  | 5745.0016                    | 5745 | 0.0016                     | 0.2778                     |
|                 |   | T (°C) | 40  | 5745.0014                    | 5745 | 0.0014                     | 0.2371                     |
|                 |   | T (°C) | 50  | 5745.0004                    | 5745 | 0.0004                     | 0.0774                     |
|                 |   | T (°C) | 60  | 5745.0002                    | 5745 | 0.0002                     | 0.0296                     |
|                 |   | T (°C) | 70  | 5745.0008                    | 5745 | 0.0008                     | 0.1444                     |
| Limits          |   |        |     | Within 5745-5850MHz          |      |                            |                            |
| Result          |   |        |     | Complies                     |      |                            |                            |

### Voltage vs. Frequency Stability

| TEST CONDITIONS |    |           |     | Reference Frequency: 5785MHz |      |                            |                            |
|-----------------|----|-----------|-----|------------------------------|------|----------------------------|----------------------------|
|                 |    |           |     | f                            | fc   | Max.<br>Deviation<br>(MHz) | Max.<br>Deviation<br>(ppm) |
| T nom<br>(°C)   | 20 | V nom (V) | 5   | 5785.0015                    | 5785 | 0.00153                    | -0.2645                    |
|                 |    | V max (V) | 5.5 | 5785.0007                    | 5785 | 0.00069                    | -0.1201                    |
|                 |    | V min (V) | 4.5 | 5785.0014                    | 5785 | 0.00136                    | -0.2349                    |
| Limits          |    |           |     | Within 5745-5850MHz          |      |                            |                            |
| Result          |    |           |     | Complies                     |      |                            |                            |

### Temperature vs. Frequency Stability

| TEST CONDITIONS |   |        |     | Reference Frequency: 5785MHz |      |                            |                            |
|-----------------|---|--------|-----|------------------------------|------|----------------------------|----------------------------|
|                 |   |        |     | f                            | fc   | Max.<br>Deviation<br>(MHz) | Max.<br>Deviation<br>(ppm) |
| V nom (V)       | 5 | T (°C) | -20 | 5785.0008                    | 5785 | 0.0008                     | 0.1447                     |
|                 |   | T (°C) | -10 | 5785.0005                    | 5785 | 0.0005                     | 0.0781                     |
|                 |   | T (°C) | 0   | 5785.0009                    | 5785 | 0.0009                     | 0.1488                     |
|                 |   | T (°C) | 10  | 5785.0019                    | 5785 | 0.0019                     | 0.3292                     |
|                 |   | T (°C) | 20  | 5785.0008                    | 5785 | 0.0008                     | 0.1428                     |
|                 |   | T (°C) | 30  | 5785.0019                    | 5785 | 0.0019                     | 0.3205                     |
|                 |   | T (°C) | 40  | 5785.0001                    | 5785 | 0.0001                     | 0.0190                     |
|                 |   | T (°C) | 50  | 5785.0013                    | 5785 | 0.0013                     | 0.2204                     |
|                 |   | T (°C) | 60  | 5785.0005                    | 5785 | 0.0005                     | 0.0823                     |
|                 |   | T (°C) | 70  | 5785.0000                    | 5785 | 0.0000                     | 0.0031                     |
| Limits          |   |        |     | Within 5745-5850MHz          |      |                            |                            |
| Result          |   |        |     | Complies                     |      |                            |                            |

### Voltage vs. Frequency Stability

| TEST CONDITIONS |    |           |     | Reference Frequency: 5825MHz |      |                            |                            |
|-----------------|----|-----------|-----|------------------------------|------|----------------------------|----------------------------|
|                 |    |           |     | f                            | fc   | Max.<br>Deviation<br>(MHz) | Max.<br>Deviation<br>(ppm) |
| T nom<br>(°C)   | 20 | V nom (V) | 5   | 5825.0005                    | 5825 | 0.0005                     | 0.0929                     |
|                 |    | V max (V) | 5.5 | 5825.0004                    | 5825 | 0.0004                     | 0.0714                     |
|                 |    | V min (V) | 4.5 | 5825.0014                    | 5825 | 0.0014                     | 0.2356                     |
| Limits          |    |           |     | Within 5745-5850MHz          |      |                            |                            |
| Result          |    |           |     | Complies                     |      |                            |                            |

### Temperature vs. Frequency Stability

| TEST CONDITIONS |   |        |     | Reference Frequency: 5825MHz |      |                            |                            |
|-----------------|---|--------|-----|------------------------------|------|----------------------------|----------------------------|
|                 |   |        |     | f                            | fc   | Max.<br>Deviation<br>(MHz) | Max.<br>Deviation<br>(ppm) |
| V nom (V)       | 5 | T (°C) | -20 | 5825.0004                    | 5825 | 0.0004                     | 0.0659                     |
|                 |   | T (°C) | -10 | 5825.0000                    | 5825 | 0.0000                     | 0.0061                     |
|                 |   | T (°C) | 0   | 5825.0010                    | 5825 | 0.0010                     | 0.1650                     |
|                 |   | T (°C) | 10  | 5825.0019                    | 5825 | 0.0019                     | 0.3259                     |
|                 |   | T (°C) | 20  | 5825.0018                    | 5825 | 0.0018                     | 0.3057                     |
|                 |   | T (°C) | 30  | 5825.0007                    | 5825 | 0.0007                     | 0.1286                     |
|                 |   | T (°C) | 40  | 5825.0014                    | 5825 | 0.0014                     | 0.2412                     |
|                 |   | T (°C) | 50  | 5825.0016                    | 5825 | 0.0016                     | 0.2697                     |
|                 |   | T (°C) | 60  | 5825.0007                    | 5825 | 0.0007                     | 0.1272                     |
|                 |   | T (°C) | 70  | 5825.0019                    | 5825 | 0.0019                     | 0.3326                     |
| Limits          |   |        |     | Within 5745-5850MHz          |      |                            |                            |
| Result          |   |        |     | Complies                     |      |                            |                            |

## **10. ANTENNA REQUIREMENT**

### **10.1 STANDARD REQUIREMENT**

15.203 requirement: For intentional device, according to 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.

### **10.2 EUT ANTENNA**

The EUT antenna is PIFA Antenna. It comply with the standard requirement.

END OF REPORT