

# Test Report

**Report No.** : MTi260625006-0202E1  
**Date of issue** : 2026-07-28  
**Applicant** : Dongguan Mingjian Mould Co., Ltd.  
**Product** : Wireless Mouse  
**Model(s)** : M01  
**FCC ID** : 2BSYG-M01

**Shenzhen Microtest Co., Ltd.**

# TEST REPORT

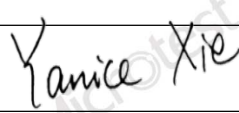
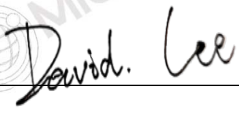
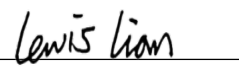
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| Test Result Certification |                                                                                                                     |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant                 | Dongguan Mingjian Mould Co., Ltd.                                                                                   |                                                                                       |
| Applicant Address         | Room 103, Building 1, No. 11 Fengping Road, Sanzhong Village, Qingxi Town, Dongguan City, Guangdong Province, China |                                                                                       |
| Manufacturer              | Dongguan Mingjian Mould Co., Ltd.                                                                                   |                                                                                       |
| Manufacturer Address      | Room 103, Building 1, No. 11 Fengping Road, Sanzhong Village, Qingxi Town, Dongguan City, Guangdong Province, China |                                                                                       |
| Factory                   | Dongguan Mingjian Mould Co., Ltd.                                                                                   |                                                                                       |
| Factory Address           | Room 103, Building 1, No. 11 Fengping Road, Sanzhong Village, Qingxi Town, Dongguan City, Guangdong Province, China |                                                                                       |
| Product description       |                                                                                                                     |                                                                                       |
| Product name              | Wireless Mouse                                                                                                      |                                                                                       |
| Trademark                 | N/A                                                                                                                 |                                                                                       |
| Model name                | M01                                                                                                                 |                                                                                       |
| Series Model(s)           | N/A                                                                                                                 |                                                                                       |
| Standards                 | 47 CFR Part 15.249                                                                                                  |                                                                                       |
| Test Method               | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024                                                    |                                                                                       |
| Testing Information       |                                                                                                                     |                                                                                       |
| Date of test              | 2026-07-21 to 2026-07-23                                                                                            |                                                                                       |
| Test result               | Pass                                                                                                                |                                                                                       |
| Prepared by:              | Yanice Xie                                                                                                          |  |
| Reviewed by:              | David Lee                                                                                                           |  |
| Approved by:              | Lewis Lian                                                                                                          |  |

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## 1 General Description

### 1.1 Description of the EUT

|                            |                      |
|----------------------------|----------------------|
| Product name:              | Wireless Mouse       |
| Model name:                | M01                  |
| Series Model(s):           | N/A                  |
| Model difference:          | N/A                  |
| Electrical rating:         | Input: DC 1.5V AA    |
| Accessories:               | N/A                  |
| Hardware version:          | V1.0-BK2483          |
| Software version:          | V7.0-QFN48           |
| Test sample(s) number:     | MTi260625006-02-R001 |
| <b>RF specification</b>    |                      |
| Operating frequency range: | 2403.75-2479.75MHz   |
| Channel number:            | 16                   |
| Modulation type:           | GFSK                 |
| Antenna(s) type:           | PCB Antenna          |
| Antenna(s) gain:           | 0.94dBi              |

### 1.2 Description of test modes

| No.   | Emission test modes |
|-------|---------------------|
| Mode1 | TX                  |

#### 1.2.1 Operation channel list

| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| 1       | 2403.75         | 5       | 2407.75         | 9       | 2414.75         | 13      | 2419.75         |
| 2       | 2426.75         | 6       | 2422.75         | 10      | 2436.75         | 14      | 2439.75         |
| 3       | 2441.75         | 7       | 2445.75         | 11      | 2459.75         | 15      | 2453.75         |
| 4       | 2463.75         | 8       | 2466.75         | 12      | 2473.75         | 16      | 2479.75         |

#### Test Channel List

##### Operation Band:

| Lowest Channel (LCH)<br>(MHz) | Middle Channel (MCH)<br>(MHz) | Highest Channel (HCH)<br>(MHz) |
|-------------------------------|-------------------------------|--------------------------------|
| 2403.75                       | 2441.75                       | 2479.75                        |

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Note: The test software provided by manufacturer is used to control EUT for working in engineering mode, that enables selectable channel, and capable of continuous transmitting mode.

### Test Software: EUT setting

For power setting, refer to below table.

| Mode | 2403.75MHz | 2441.75MHz | 2479.75MHz |
|------|------------|------------|------------|
| GFSK | default    | default    | default    |

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### 1.3 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

|                       |                  |
|-----------------------|------------------|
| Temperature:          | 15°C ~ 35°C      |
| Humidity:             | 20% RH ~ 75% RH  |
| Atmospheric pressure: | 98 kPa ~ 101 kPa |

### 1.4 Description of support units

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.

#### Support equipment list

| Description | Model | Serial No.                           | Manufacturer |
|-------------|-------|--------------------------------------|--------------|
| Laptop      | e485  | 0E20AC5E-BE55-4970-8F1E-152D2E4549B1 | Lenovo       |

#### Support cable list

| Description | Length (m) | From | To |
|-------------|------------|------|----|
| /           | /          | /    | /  |

### 1.5 Measurement uncertainty

| Measurement                              | Uncertainty |
|------------------------------------------|-------------|
| Occupied channel bandwidth               | ±3 %        |
| Radiated spurious emissions (above 1GHz) | ±5.3dB      |
| Radiated spurious emissions (9kHz~30MHz) | ±4.3dB      |
| Radiated spurious emissions (30MHz~1GHz) | ±4.7dB      |
| Temperature                              | ±1 °C       |
| Humidity                                 | ± 5 %       |

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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### 2 Summary of Test Result

| No. | Item                                      | Standard           | Requirement                                              | Result |
|-----|-------------------------------------------|--------------------|----------------------------------------------------------|--------|
| 1   | Antenna requirement                       | 47 CFR Part 15.249 | 47 CFR Part 15.203                                       | Pass   |
| 2   | Occupied Bandwidth                        | 47 CFR Part 15.249 | 47 CFR 15.215(c)                                         | Pass   |
| 3   | Field strength of fundamental             | 47 CFR Part 15.249 | 47 CFR 15.249(a)<br>47 CFR 15.249(b)(1)                  | Pass   |
| 4   | Band edge emissions (Radiated)            | 47 CFR Part 15.249 | 47 CFR 15.249(d)                                         | Pass   |
| 5   | Emissions in frequency bands (below 1GHz) | 47 CFR Part 15.249 | 47 CFR 15.249(a)<br>47 CFR 15.249(d)<br>47 CFR 15.249(e) | Pass   |
| 6   | Emissions in frequency bands (above 1GHz) | 47 CFR Part 15.249 | 47 CFR 15.249(a)<br>47 CFR 15.249(d)<br>47 CFR 15.249(e) | Pass   |

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### 3 Test Facilities and accreditations

#### 3.1 Test laboratory

|                        |                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Test laboratory:       | Shenzhen Microtest Co., Ltd.                                                                                                         |
| Test site location:    | 101, No.7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China |
| Telephone:             | (86-755)88850135                                                                                                                     |
| Fax:                   | (86-755)88850136                                                                                                                     |
| CNAS Registration No.: | CNAS L5868                                                                                                                           |
| FCC Registration No.:  | 448573                                                                                                                               |
| IC Registration No.:   | 21760                                                                                                                                |
| CABID:                 | CN0093                                                                                                                               |

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## 4 List of test equipment

| No.                                                                                                       | Equipment                            | Manufacturer   | Model                | Serial No.    | Cal. date  | Cal. Due   |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------|----------------|----------------------|---------------|------------|------------|
| Occupied Bandwidth                                                                                        |                                      |                |                      |               |            |            |
| 1                                                                                                         | Wideband Radio Communication Tester  | Rohde&schwarz  | CMW500               | 149155        | 2026-03-09 | 2027-03-08 |
| 2                                                                                                         | ESG Series Analog Ssignal Generator  | Agilent        | E4421B               | GB40051240    | 2026-03-09 | 2027-03-08 |
| 3                                                                                                         | PXA Signal Analyzer                  | Agilent        | N9030A               | MY51350296    | 2026-03-10 | 2027-03-09 |
| 4                                                                                                         | Synthesized Sweeper                  | Agilent        | 83752A               | 3610A01957    | 2026-03-10 | 2027-03-09 |
| 5                                                                                                         | MXA Signal Analyzer                  | Agilent        | N9020A               | MY50143483    | 2026-03-09 | 2027-03-08 |
| 6                                                                                                         | RF Control Unit                      | Tonscend       | JS0806-1             | 19D8060152    | 2026-03-11 | 2027-03-10 |
| 7                                                                                                         | Band Reject Filter Group             | Tonscend       | JS0806-F             | 19D8060160    | 2026-03-11 | 2027-03-10 |
| 8                                                                                                         | ESG Vector Signal Generator          | Agilent        | N5182A               | MY50143762    | 2026-03-10 | 2027-03-09 |
| 9                                                                                                         | DC Power Supply                      | Agilent        | E3632A               | MY40027695    | 2026-03-09 | 2027-03-08 |
| 10                                                                                                        | RF Test System                       | Tonscend       | JS1120-3 Test System | V3.6.21       | /          | /          |
| Field strength of fundamental Band edge emissions (Radiated)<br>Emissions in frequency bands (above 1GHz) |                                      |                |                      |               |            |            |
| 1                                                                                                         | EMI Test Receiver                    | Rohde&schwarz  | ESC17                | 101166        | 2026-03-10 | 2027-03-09 |
| 2                                                                                                         | Double Ridged Broadband Horn Antenna | schwarabeck    | BBHA 9120 D          | 2278          | 2025-05-27 | 2027-05-26 |
| 3                                                                                                         | Amplifier                            | Agilent        | 8449B                | 3008A01120    | 2026-03-10 | 2027-03-09 |
| 4                                                                                                         | MXA signal analyzer                  | Agilent        | N9020A               | MY54440859    | 2026-03-10 | 2027-03-09 |
| 5                                                                                                         | PXA Signal Analyzer                  | Agilent        | N9030A               | MY51350296    | 2026-03-10 | 2027-03-09 |
| 6                                                                                                         | Horn antenna                         | Schwarzbeck    | BBHA 9170            | 00987         | 2025-05-27 | 2027-05-26 |
| 7                                                                                                         | Pre-amplifier                        | Space-Dtronics | EWLAN18 40G          | 210405001     | 2026-03-11 | 2027-03-10 |
| 8                                                                                                         | EMI Test Software                    | Farad          | EZ-EMC               | Ver. EMEC-3A1 | /          | /          |
| Emissions in frequency bands (below 1GHz)                                                                 |                                      |                |                      |               |            |            |
| 1                                                                                                         | EMI Test Receiver                    | Rohde&schwarz  | ESC17                | 101166        | 2026-03-10 | 2027-03-09 |
| 2                                                                                                         | TRILOG Broadband Antenna             | schwarabeck    | VULB 9163            | 9163-1338     | 2025-05-23 | 2027-05-22 |
| 3                                                                                                         | Active Loop Antenna                  | Schwarzbeck    | FMZB 1519 B          | 00066         | 2026-03-08 | 2028-03-07 |

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| No. | Equipment         | Manufacturer    | Model  | Serial No.    | Cal. date  | Cal. Due   |
|-----|-------------------|-----------------|--------|---------------|------------|------------|
| 4   | Amplifier         | Hewlett-Packard | 8447F  | 3113A06184    | 2026-03-10 | 2027-03-09 |
| 5   | EMI Test Software | Farad           | EZ-EMC | Ver. EMEC-3A1 | /          | /          |

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### 5 Evaluation Results (Evaluation)

#### 5.1 Antenna requirement

|                   |                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | Refer to 47 CFR Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

##### 5.1.1 Conclusion:

The antenna of the EUT is permanently attached.  
The EUT complies with the requirement of FCC PART 15.203.

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## 6 Radio Spectrum Matter Test Results (RF)

### 6.1 Occupied Bandwidth

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | 47 CFR 15.215(c)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Test Limit:       | Refer to 47 CFR 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Test Method:      | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024, section 6.9.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Procedure:        | <p>a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW.</p> <p>b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement.</p> <p>c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than <math>[10 \log (OBW/RBW)]</math> below the reference level. Specific guidance is given in 4.1.5.2.</p> <p>d) Steps a) through c) might require iteration to adjust within the specified tolerances.</p> <p>e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target “-xx dB down” requirement; that is, if the requirement calls for measuring the -20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value.</p> <p>f) Set detection mode to peak and trace mode to max hold.</p> <p>g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).</p> <p>h) Determine the “-xx dB down amplitude” using <math>[(\text{reference value}) - xx]</math>. Alternatively, this calculation may be made by using the marker-delta function of the instrument.</p> <p>i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j).</p> <p>j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-xx dB down amplitude” determined in step h). If a marker is below this “-xx dB down amplitude” value, then it shall be as close as possible to this value. The occupied bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the “-xx dB down amplitude” determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-</p> |

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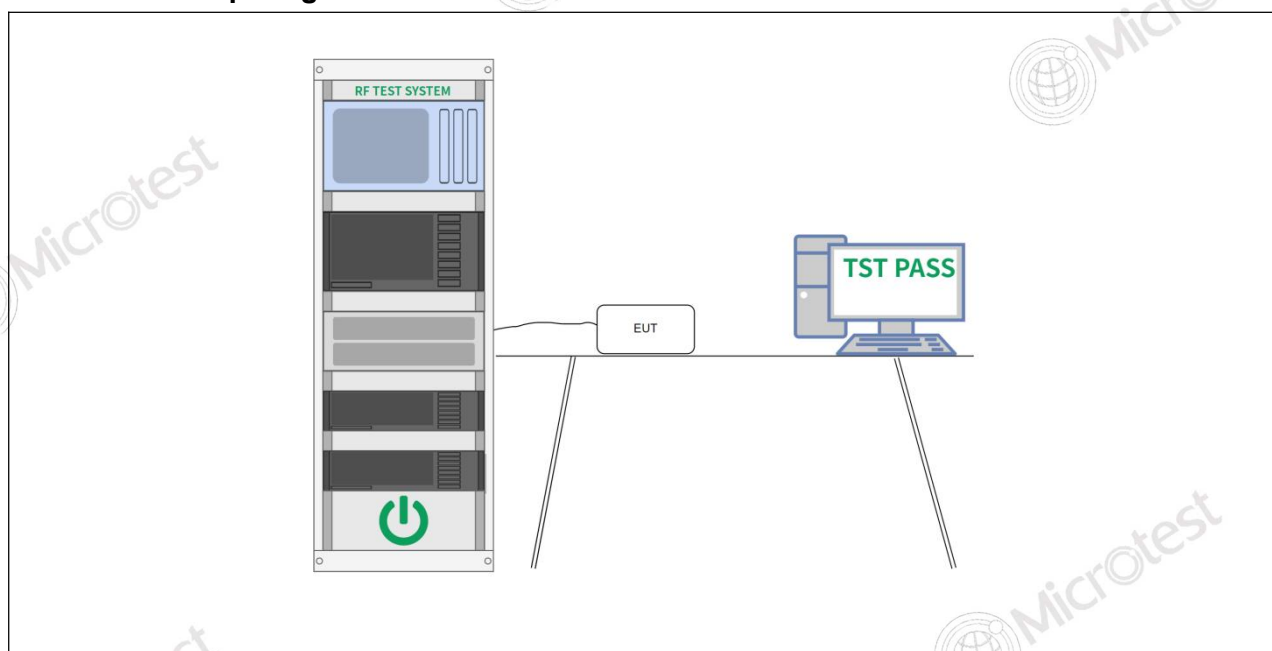
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|  |                                                                                                                                                                                                                                                                                                                       |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | delta frequency reading at this point is the specified emission bandwidth.<br>k) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s). |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 6.1.1 E.U.T. Operation:

|                        |         |           |      |                       |         |
|------------------------|---------|-----------|------|-----------------------|---------|
| Operating Environment: |         |           |      |                       |         |
| Temperature:           | 22.5 °C | Humidity: | 50 % | Atmospheric Pressure: | 101 kPa |
| Pre test mode:         | Mode1   |           |      |                       |         |
| Final test mode:       | Mode1   |           |      |                       |         |

## 6.1.2 Test Setup Diagram:



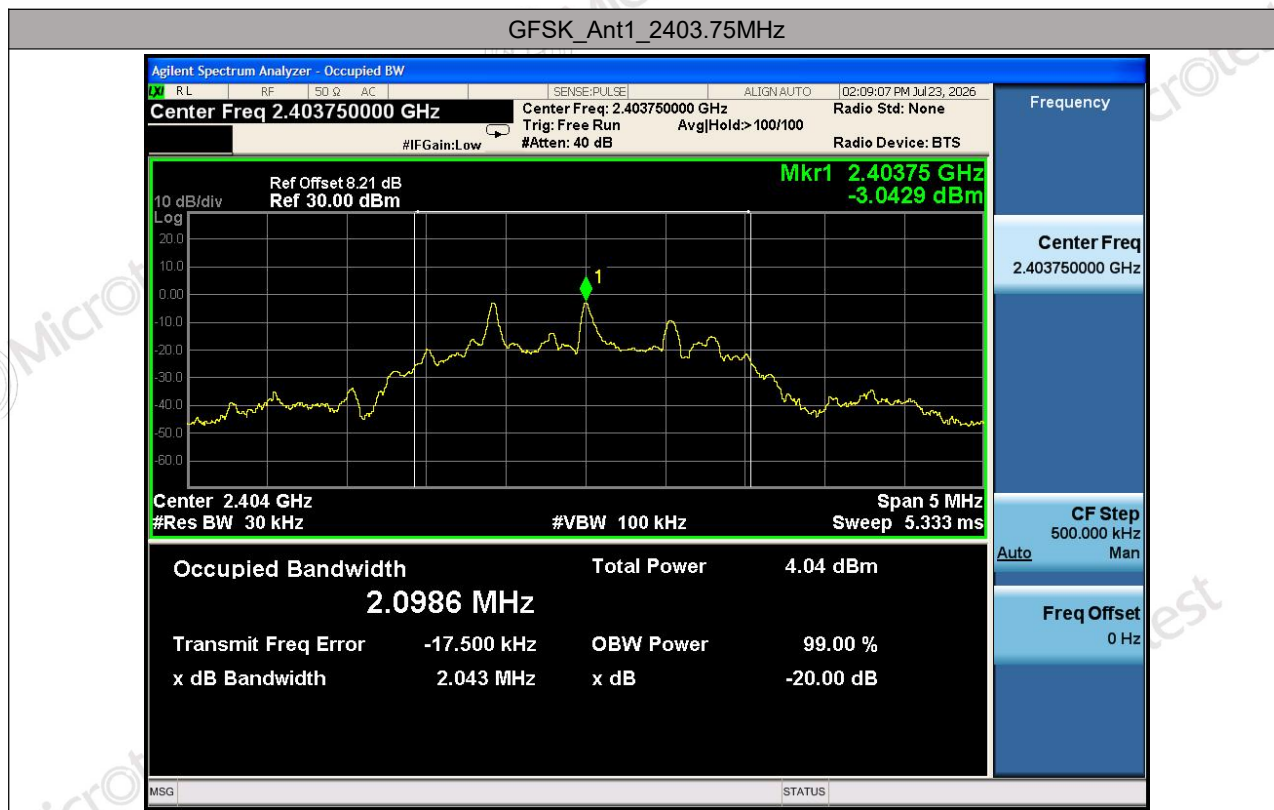
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## 6.1.3 Test Data:

| Test Mode | Antenna | Frequency [MHz] | 99% OBW [MHz] | 20db BW [MHz] |
|-----------|---------|-----------------|---------------|---------------|
| GFSK      | Ant1    | 2403.75         | 2.0986        | 2.043         |
|           |         | 2441.75         | 2.1000        | 2.048         |
|           |         | 2479.75         | 2.1187        | 2.042         |

## Test Graphs



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GFSK\_Ant1\_2441.75MHz



GFSK\_Ant1\_2479.75MHz



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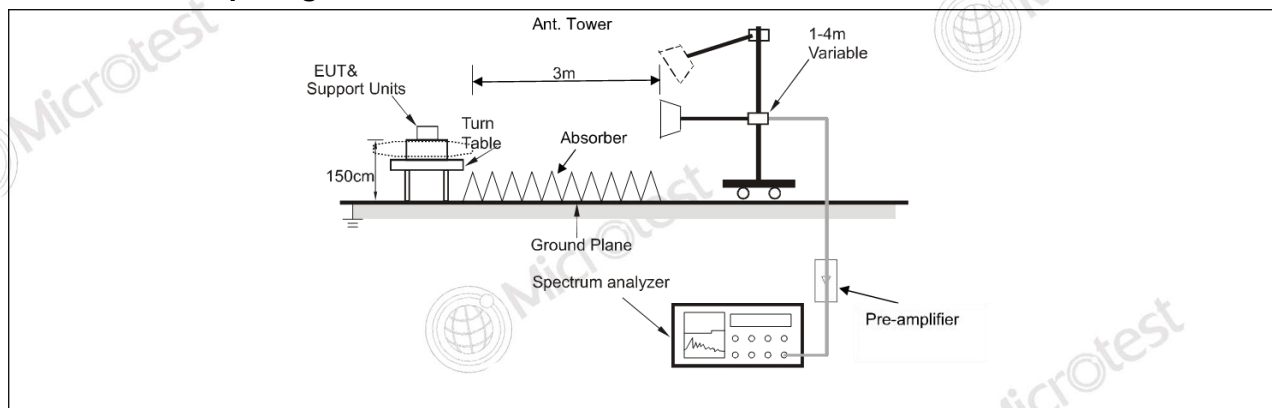
## 6.2 Field strength of fundamental

|                   |                                                                                                                                                                                        |                                                  |                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------|
| Test Requirement: | Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following: |                                                  |                                                |
|                   | Fundamental frequency                                                                                                                                                                  | Field strength of fundamental (millivolts/meter) | Field strength of harmonics (microvolts/meter) |
|                   | 902-928 MHz                                                                                                                                                                            | 50                                               | 500                                            |
|                   | 2400-2483.5 MHz                                                                                                                                                                        | 50                                               | 500                                            |
|                   | 5725-5875 MHz                                                                                                                                                                          | 50                                               | 500                                            |
|                   | 24.0-24.25 GHz                                                                                                                                                                         | 250                                              | 2500                                           |
|                   | The field strength of emissions in this band shall not exceed 2500 millivolts/meter.                                                                                                   |                                                  |                                                |
| Test Method:      | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 section 6.6                                                                                                           |                                                  |                                                |
| Procedure:        | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 section 6.6                                                                                                           |                                                  |                                                |

### 6.2.1 E.U.T. Operation:

|                        |       |           |      |                       |         |
|------------------------|-------|-----------|------|-----------------------|---------|
| Operating Environment: |       |           |      |                       |         |
| Temperature:           | 23 °C | Humidity: | 45 % | Atmospheric Pressure: | 101 kPa |
| Pre test mode:         | Mode1 |           |      |                       |         |
| Final test mode:       | Mode1 |           |      |                       |         |

### 6.2.2 Test Setup Diagram:



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## 6.2.3 Test Data:

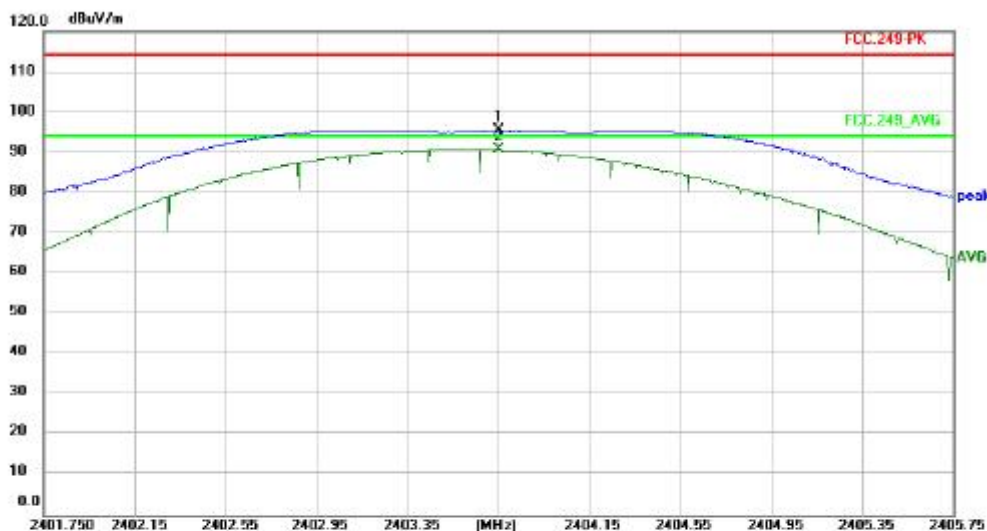
### Calculation formula:

Measurement (dBμV/m) = Reading Level (dBμV) + Correct Factor (dB)

Correct Factor (dB) = Antenna Factor + Cable Loss - Preamplifier Factor

Over (dB) = Measurement (dBμV/m) - Limit (dBμV/m)

Mode1 / Polarization: Horizontal / CH: L

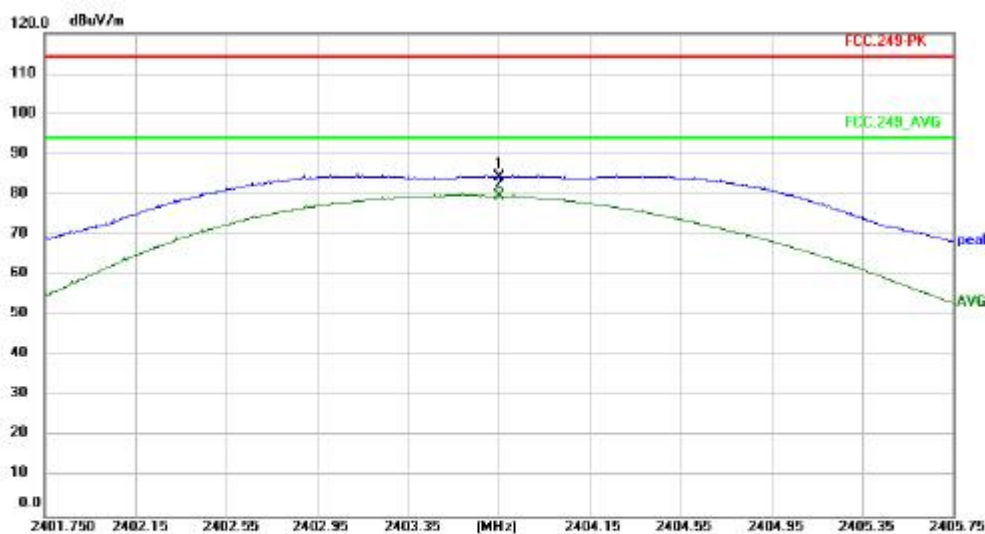


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBμV          | dB             | dBμV/m      | dBμV/m | dB     | Detector | Comment |
| 1   |     | 2403.750 | 99.70         | -4.30          | 95.40       | 114.00 | -18.60 | peak     |         |
| 2   | *   | 2403.750 | 94.92         | -4.30          | 90.62       | 94.00  | -3.38  | AVG      |         |

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Mode1 / Polarization: Vertical / CH: L

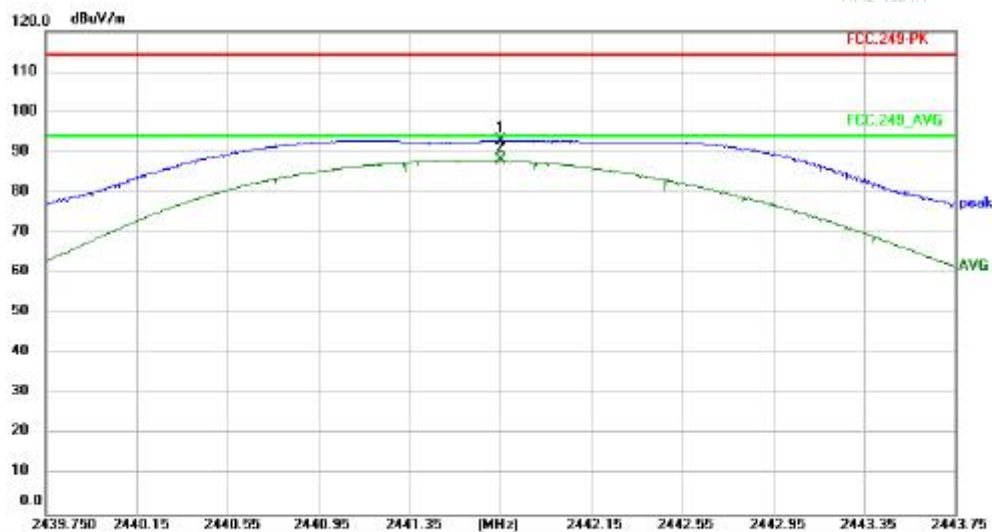


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 2403.750 | 88.84         | -4.30          | 84.54       | 114.00 | -29.46 | peak     |         |
| 2   | *   | 2403.750 | 83.99         | -4.30          | 79.69       | 94.00  | -14.31 | AVG      |         |

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Report No.: MTi260625006-0202E1

Mode1 / Polarization: Horizontal / CH: M

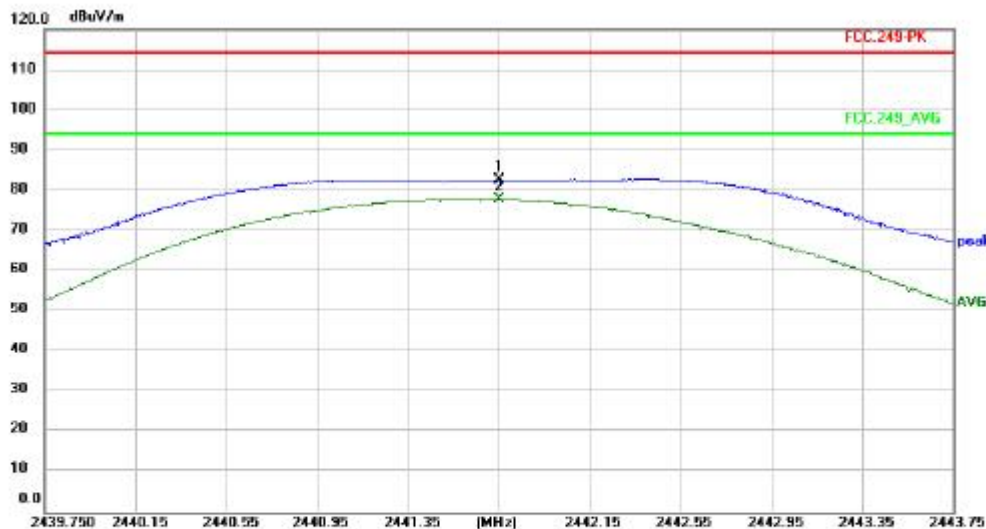


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 2441.750     | 97.08                    | -4.35                   | 92.73                      | 114.00          | -21.27     | peak     |         |
| 2   | *   | 2441.750     | 92.31                    | -4.35                   | 87.96                      | 94.00           | -6.04      | AVG      |         |

# TEST REPORT

Report No.: MTi260625006-0202E1

Mode1 / Polarization: Vertical / CH: M

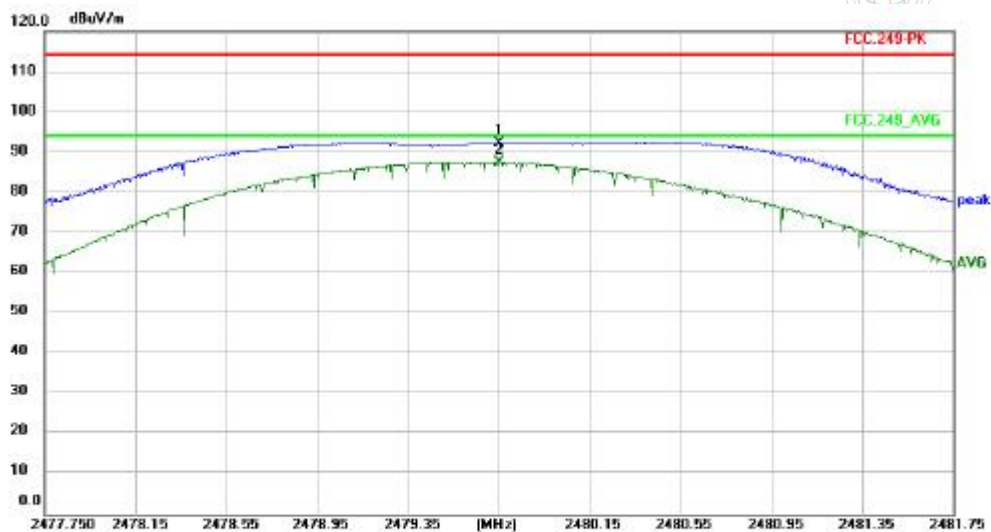


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 2441.750 | 87.09         | -4.35          | 82.74       | 114.00 | -31.26 | peak     |         |
| 2   | *   | 2441.750 | 82.26         | -4.35          | 77.91       | 94.00  | -16.09 | AVG      |         |

# TEST REPORT

Report No.: MTi260625006-0202E1

Mode1 / Polarization: Horizontal / CH: H

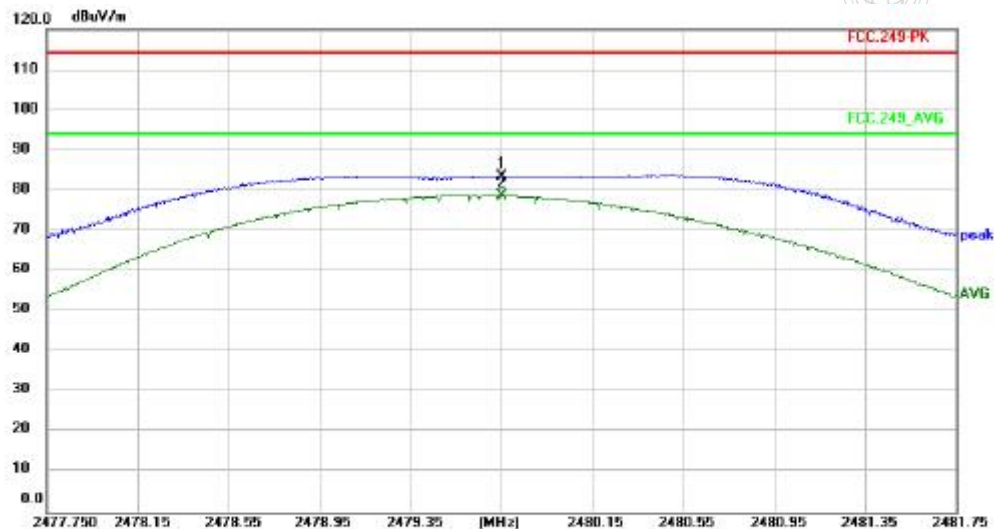


| No. | Mk. | Freq.    | Reading | Correct | Measure- | Limit  | Over   |          |         |
|-----|-----|----------|---------|---------|----------|--------|--------|----------|---------|
|     |     | MHz      | Level   | Factor  | ment     |        |        | Detector | Comment |
|     |     |          | dBuV    | dB      | dBuV/m   | dBuV/m | dB     |          |         |
| 1   |     | 2479.750 | 96.51   | -4.24   | 92.27    | 114.00 | -21.73 | peak     |         |
| 2   | *   | 2479.750 | 91.72   | -4.24   | 87.48    | 94.00  | -6.52  | AVG      |         |

# TEST REPORT

Report No.: MTi260625006-0202E1

Mode1 / Polarization: Vertical / CH: H



| No. Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   |          |         |
|---------|----------|---------------|----------------|-------------|--------|--------|----------|---------|
|         | MHz      | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1       | 2479.750 | 87.83         | -4.24          | 83.59       | 114.00 | -30.41 | peak     |         |
| 2 *     | 2479.750 | 82.85         | -4.24          | 78.61       | 94.00  | -15.39 | AVG      |         |

# TEST REPORT

Report No.: MTi260625006-0202E1

## 6.3 Band edge emissions (Radiated)

| Test Requirement: | Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in § 15.209, whichever is the lesser attenuation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |  |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--|-----------------|-----------------------------------|-------------------------------|-------------|-------------|-----|-------------|--------------|----|------------|----|----|-------|--------|---|--------|--------|---|---------|--------|---|-----------|-----|---|
| Test Limit:       | <p>Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in § 15.209, whichever is the lesser attenuation.</p> <table><tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr><tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr><tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr><tr><td>1.705-30.0</td><td>30</td><td>30</td></tr><tr><td>30-88</td><td>100 **</td><td>3</td></tr><tr><td>88-216</td><td>150 **</td><td>3</td></tr><tr><td>216-960</td><td>200 **</td><td>3</td></tr><tr><td>Above 960</td><td>500</td><td>3</td></tr></table> <p>** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.</p> <p>In the emission table above, the tighter limit applies at the band edges.</p> <p>The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.</p> |                               |  | Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (meters) | 0.009-0.490 | 2400/F(kHz) | 300 | 0.490-1.705 | 24000/F(kHz) | 30 | 1.705-30.0 | 30 | 30 | 30-88 | 100 ** | 3 | 88-216 | 150 ** | 3 | 216-960 | 200 ** | 3 | Above 960 | 500 | 3 |
| Frequency (MHz)   | Field strength (microvolts/meter)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Measurement distance (meters) |  |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 0.009-0.490       | 2400/F(kHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 300                           |  |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 0.490-1.705       | 24000/F(kHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 30                            |  |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 1.705-30.0        | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 30                            |  |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 30-88             | 100 **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                             |  |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 88-216            | 150 **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                             |  |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 216-960           | 200 **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                             |  |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| Above 960         | 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3                             |  |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| Test Method:      | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 section 6.6.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                               |  |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| Procedure:        | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 section 6.6.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                               |  |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |

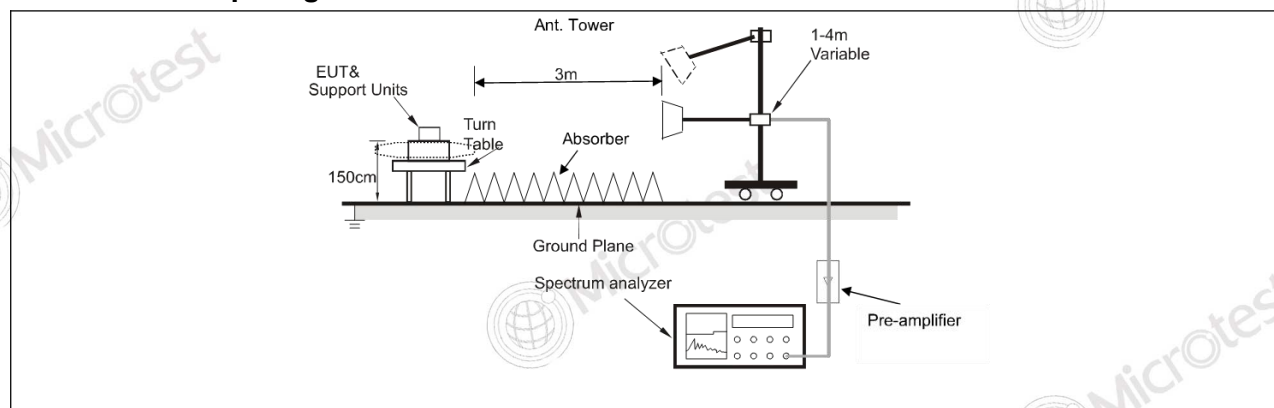
### 6.3.1 E.U.T. Operation:

|                                                                                                             |       |           |      |                       |         |
|-------------------------------------------------------------------------------------------------------------|-------|-----------|------|-----------------------|---------|
| Operating Environment:                                                                                      |       |           |      |                       |         |
| Temperature:                                                                                                | 23 °C | Humidity: | 45 % | Atmospheric Pressure: | 101 kPa |
| Pre test mode:                                                                                              | Mode1 |           |      |                       |         |
| Final test mode:                                                                                            | Mode1 |           |      |                       |         |
| Note:                                                                                                       |       |           |      |                       |         |
| The amplitude of spurious emissions which are attenuated more than 20 dB below the limits are not reported. |       |           |      |                       |         |

## TEST REPORT

Report No.: MTi260625006-0202E1

### 6.3.2 Test Setup Diagram:



# TEST REPORT

Report No.: MTi260625006-0202E1

## 6.3.3 Test Data:

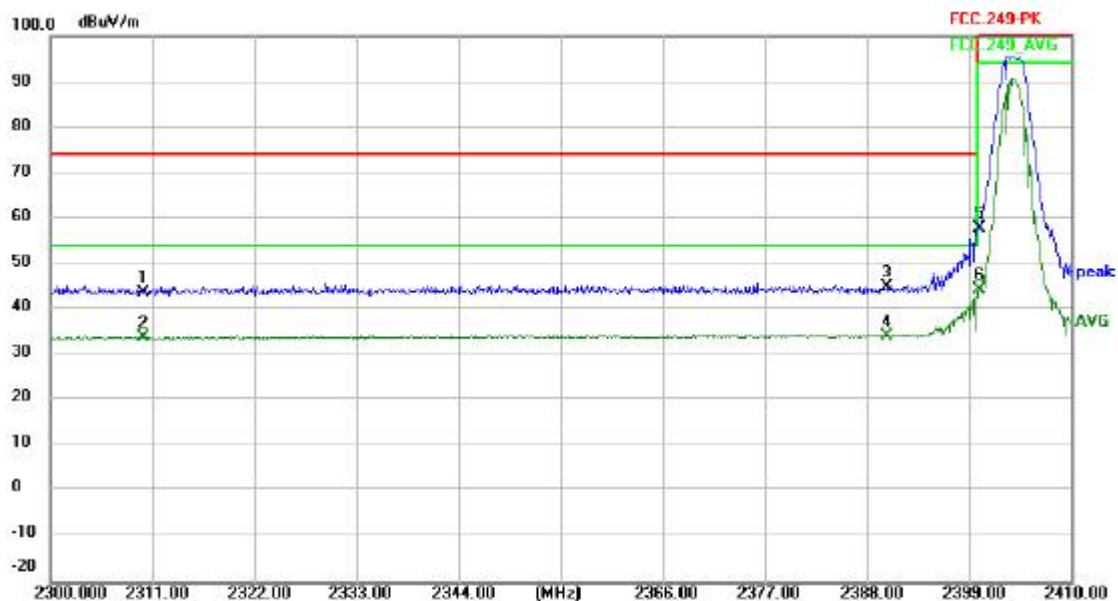
### Calculation formula:

Measurement (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Correct Factor (dB)

Correct Factor (dB) = Antenna Factor + Cable Loss - Preamplifier Factor

Over (dB) = Measurement (dB $\mu$ V/m) - Limit (dB $\mu$ V/m)

Mode1 / Polarization: Horizontal / CH: L

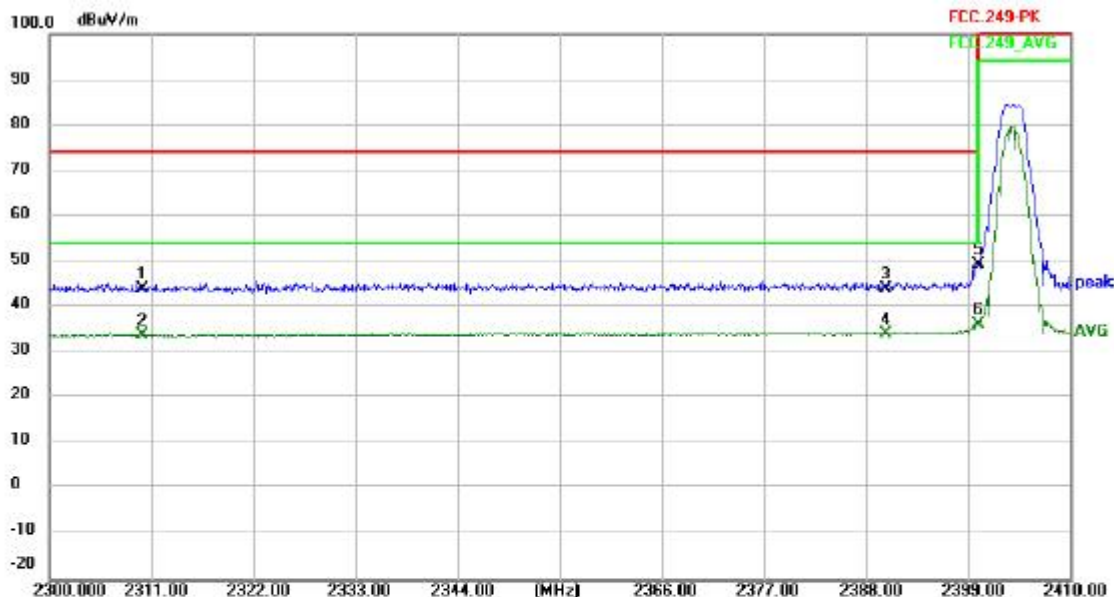


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |         |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|---------|
|     |     | MHz      | dBuV          | dB             | dBuV/m       | dBuV/m | dB     | Detector | Comment |
| 1   |     | 2310.000 | 48.23         | -4.50          | 43.73        | 74.00  | -30.27 | peak     |         |
| 2   |     | 2310.000 | 38.25         | -4.50          | 33.75        | 54.00  | -20.25 | AVG      |         |
| 3   |     | 2390.000 | 49.24         | -4.31          | 44.93        | 74.00  | -29.07 | peak     |         |
| 4   |     | 2390.000 | 38.39         | -4.31          | 34.08        | 54.00  | -19.92 | AVG      |         |
| 5   |     | 2400.000 | 62.02         | -4.29          | 57.73        | 74.00  | -16.27 | peak     |         |
| 6   | *   | 2400.000 | 48.76         | -4.29          | 44.47        | 54.00  | -9.53  | AVG      |         |

# TEST REPORT

Report No.: MTi260625006-0202E1

Mode1 / Polarization: Vertical / CH: L

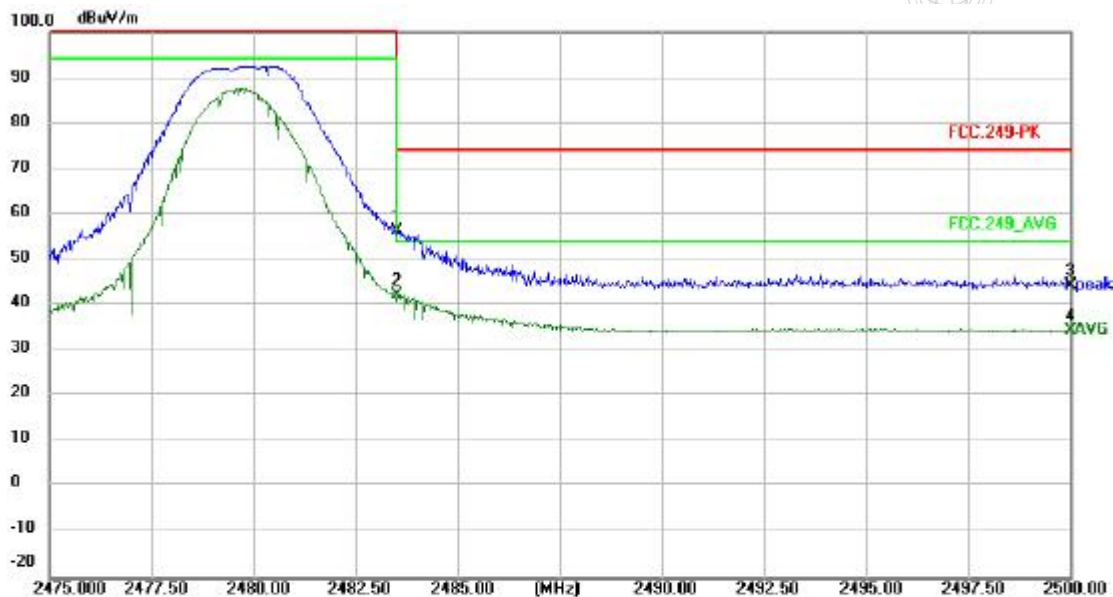


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 2310.000     | 48.67                    | -4.50                   | 44.17                      | 74.00           | -29.83     | peak     |         |
| 2   |     | 2310.000     | 38.29                    | -4.50                   | 33.79                      | 54.00           | -20.21     | AVG      |         |
| 3   |     | 2390.000     | 48.23                    | -4.31                   | 43.92                      | 74.00           | -30.08     | peak     |         |
| 4   |     | 2390.000     | 38.42                    | -4.31                   | 34.11                      | 54.00           | -19.89     | AVG      |         |
| 5   |     | 2400.000     | 53.77                    | -4.29                   | 49.48                      | 74.00           | -24.52     | peak     |         |
| 6   | *   | 2400.000     | 40.63                    | -4.29                   | 36.34                      | 54.00           | -17.66     | AVG      |         |

# TEST REPORT

Report No.: MTi260625006-0202E1

Mode1 / Polarization: Horizontal / CH: H

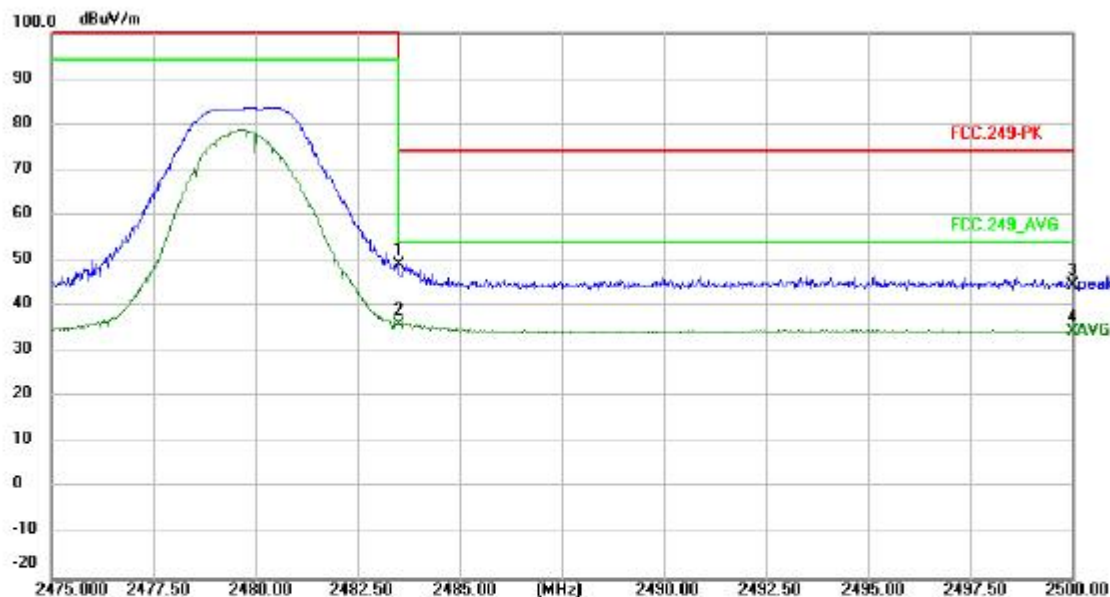


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 2483.500     | 60.55                    | -4.23                   | 56.32                      | 74.00           | -17.68     | peak     |         |
| 2   | *   | 2483.500     | 46.60                    | -4.23                   | 42.37                      | 54.00           | -11.63     | AVG      |         |
| 3   |     | 2500.000     | 48.42                    | -4.15                   | 44.27                      | 74.00           | -29.73     | peak     |         |
| 4   |     | 2500.000     | 38.63                    | -4.15                   | 34.48                      | 54.00           | -19.52     | AVG      |         |

# TEST REPORT

Report No.: MTi260625006-0202E1

Mode1 / Polarization: Vertical / CH: H



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 2483.500     | 53.33                    | -4.23                   | 49.10                      | 74.00           | -24.90     | peak     |         |
| 2   | *   | 2483.500     | 40.12                    | -4.23                   | 35.89                      | 54.00           | -18.11     | AVG      |         |
| 3   |     | 2500.000     | 48.69                    | -4.15                   | 44.54                      | 74.00           | -29.46     | peak     |         |
| 4   |     | 2500.000     | 38.60                    | -4.15                   | 34.45                      | 54.00           | -19.55     | AVG      |         |

# TEST REPORT

Report No.: MTi260625006-0202E1

## 6.4 Emissions in frequency bands (below 1GHz)

| Test Requirement:     | 47 CFR 15.249(a)<br>47 CFR 15.249(d)<br>47 CFR 15.249(e)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------|--------------------------------------------------|------------------------------------------------|-------------|----|-----|-----------------|----|-----|---------------|----|-----|----------------|-----|------|-----------------|-----------------------------------|-------------------------------|-------------|-------------|-----|-------------|--------------|----|------------|----|----|-------|--------|---|--------|--------|---|---------|--------|---|-----------|-----|---|
| Test Limit:           | <p>Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:</p> <table border="1"> <thead> <tr> <th>Fundamental frequency</th><th>Field strength of fundamental (millivolts/meter)</th><th>Field strength of harmonics (microvolts/meter)</th></tr> </thead> <tbody> <tr> <td>902-928 MHz</td><td>50</td><td>500</td></tr> <tr> <td>2400-2483.5 MHz</td><td>50</td><td>500</td></tr> <tr> <td>5725-5875 MHz</td><td>50</td><td>500</td></tr> <tr> <td>24.0-24.25 GHz</td><td>250</td><td>2500</td></tr> </tbody> </table> <p>Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in § 15.209, whichever is the lesser attenuation.</p> <table border="1"> <thead> <tr> <th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr> </thead> <tbody> <tr> <td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr> <tr> <td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr> <tr> <td>1.705-30.0</td><td>30</td><td>30</td></tr> <tr> <td>30-88</td><td>100 **</td><td>3</td></tr> <tr> <td>88-216</td><td>150 **</td><td>3</td></tr> <tr> <td>216-960</td><td>200 **</td><td>3</td></tr> <tr> <td>Above 960</td><td>500</td><td>3</td></tr> </tbody> </table> <p>** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.</p> <p>In the emission table above, the tighter limit applies at the band edges.</p> <p>The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b) of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.</p> |                                                | Fundamental frequency | Field strength of fundamental (millivolts/meter) | Field strength of harmonics (microvolts/meter) | 902-928 MHz | 50 | 500 | 2400-2483.5 MHz | 50 | 500 | 5725-5875 MHz | 50 | 500 | 24.0-24.25 GHz | 250 | 2500 | Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (meters) | 0.009-0.490 | 2400/F(kHz) | 300 | 0.490-1.705 | 24000/F(kHz) | 30 | 1.705-30.0 | 30 | 30 | 30-88 | 100 ** | 3 | 88-216 | 150 ** | 3 | 216-960 | 200 ** | 3 | Above 960 | 500 | 3 |
| Fundamental frequency | Field strength of fundamental (millivolts/meter)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Field strength of harmonics (microvolts/meter) |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 902-928 MHz           | 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 500                                            |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 2400-2483.5 MHz       | 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 500                                            |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 5725-5875 MHz         | 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 500                                            |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 24.0-24.25 GHz        | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2500                                           |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| Frequency (MHz)       | Field strength (microvolts/meter)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Measurement distance (meters)                  |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 0.009-0.490           | 2400/F(kHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 300                                            |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 0.490-1.705           | 24000/F(kHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 30                                             |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 1.705-30.0            | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 30                                             |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 30-88                 | 100 **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                                              |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 88-216                | 150 **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                                              |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 216-960               | 200 **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                                              |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| Above 960             | 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                                              |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| Test Method:          | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 section 6.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |

# TEST REPORT

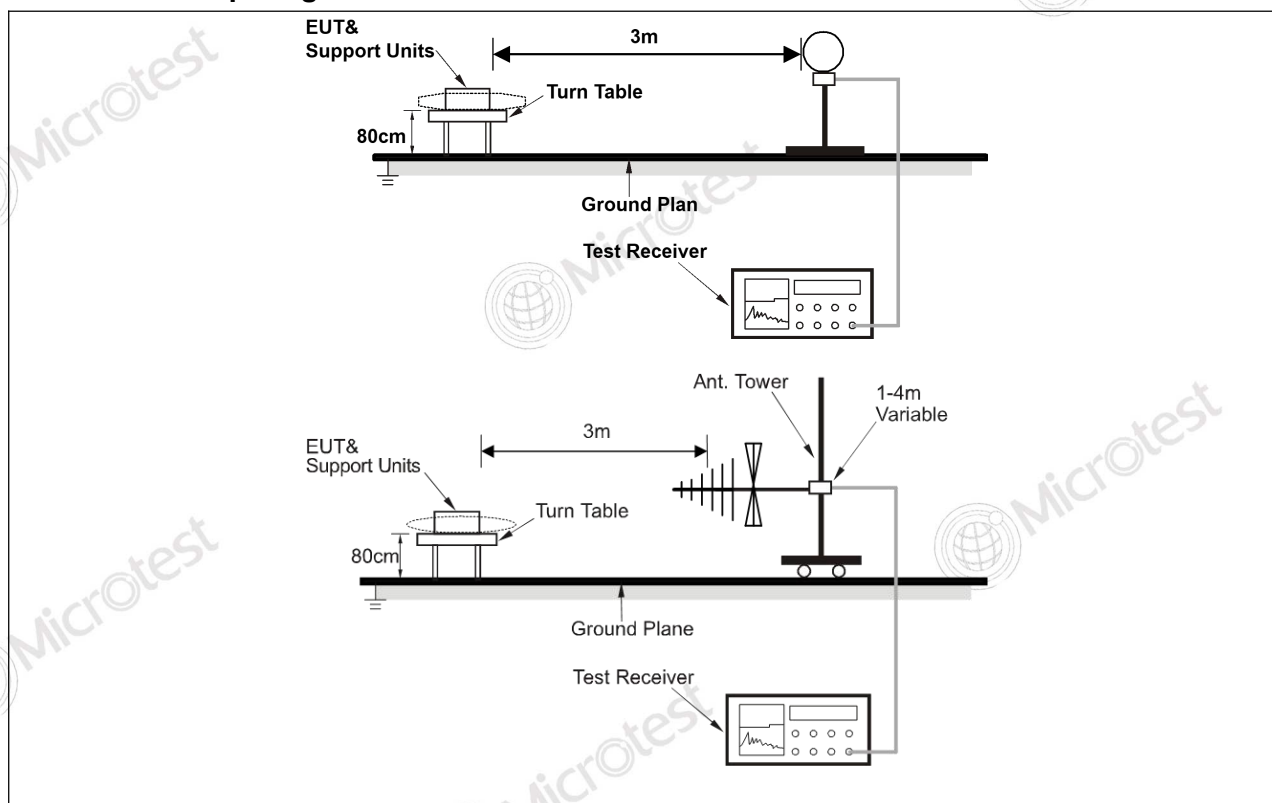
Report No.: MTi260625006-0202E1

|            |                                                                              |
|------------|------------------------------------------------------------------------------|
| Procedure: | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 section 6.5 |
|------------|------------------------------------------------------------------------------|

## 6.4.1 E.U.T. Operation:

|                                                                                                                                                                        |       |           |      |                       |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|------|-----------------------|---------|
| Operating Environment:                                                                                                                                                 |       |           |      |                       |         |
| Temperature:                                                                                                                                                           | 23 °C | Humidity: | 45 % | Atmospheric Pressure: | 101 kPa |
| Pre test mode:                                                                                                                                                         | Mode1 |           |      |                       |         |
| Final test mode:                                                                                                                                                       | Mode1 |           |      |                       |         |
| Note:                                                                                                                                                                  |       |           |      |                       |         |
| The amplitude of spurious emissions which are attenuated more than 20 dB below the limits are not reported.                                                            |       |           |      |                       |         |
| All modes of operation of the EUT were investigated, and only the worst-case results are reported. There were no emissions found below 30MHz within 20dB of the limit. |       |           |      |                       |         |

## 6.4.2 Test Setup Diagram:



# TEST REPORT

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## 6.4.3 Test Data:

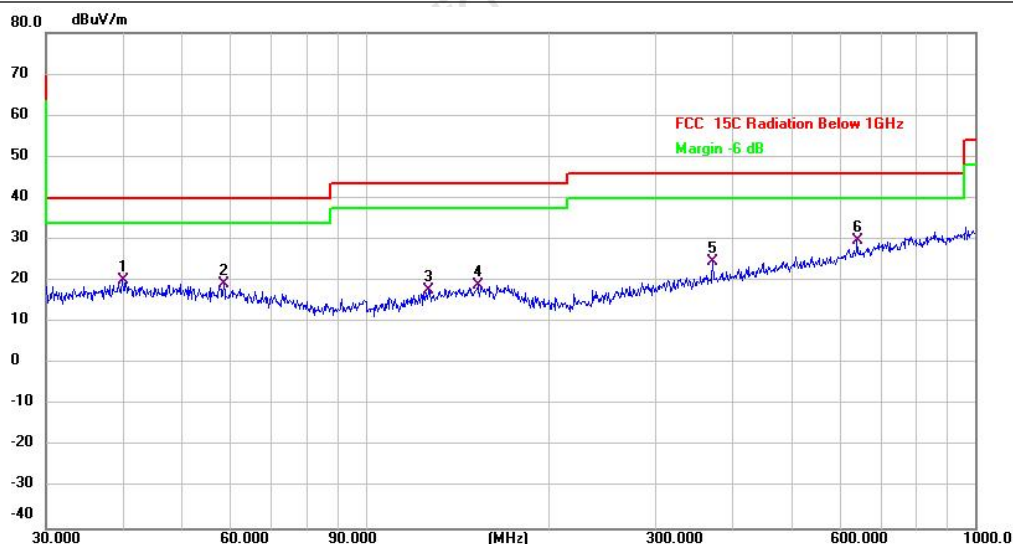
### Calculation formula:

Measurement (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Correct Factor (dB)

Correct Factor (dB) = Antenna Factor + Cable Loss - Preamplifier Factor

Over (dB) = Measurement (dB $\mu$ V/m) - Limit (dB $\mu$ V/m)

Mode1 / Polarization: Horizontal / CH: H

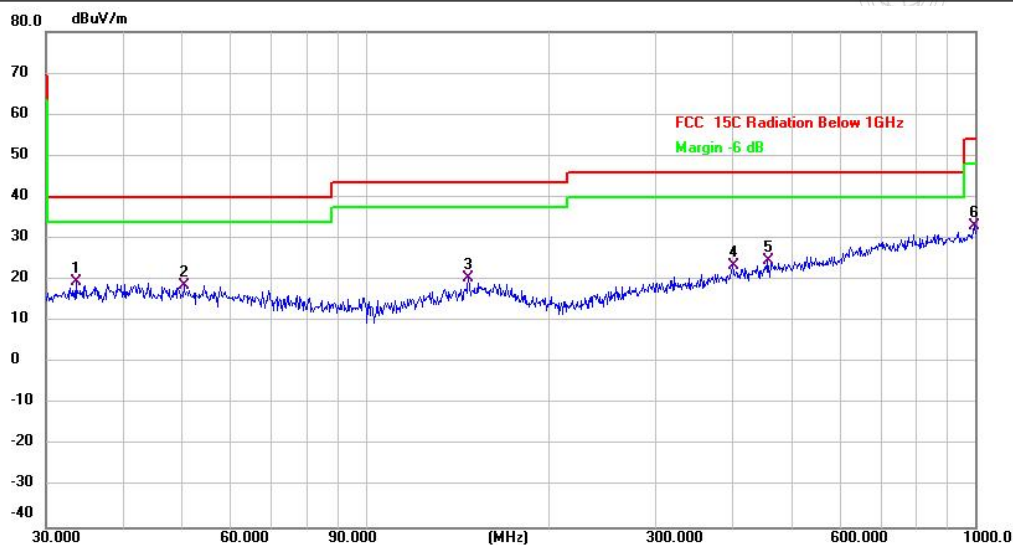


| No. Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|---------|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1       | 39.9942      | 27.25                    | -7.09                   | 20.16                      | 40.00           | -19.84     | QP       |         |
| 2       | 58.6126      | 27.38                    | -8.24                   | 19.14                      | 40.00           | -20.86     | QP       |         |
| 3       | 126.7723     | 25.87                    | -8.16                   | 17.71                      | 43.50           | -25.79     | QP       |         |
| 4       | 152.6641     | 25.35                    | -6.42                   | 18.93                      | 43.50           | -24.57     | QP       |         |
| 5       | 372.0045     | 28.93                    | -4.37                   | 24.56                      | 46.00           | -21.44     | QP       |         |
| 6 *     | 640.6110     | 28.30                    | 1.32                    | 29.62                      | 46.00           | -16.38     | QP       |         |

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Mode1 / Polarization: Vertical / CH: H



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   | *   | 33.5624      | 27.49                    | -7.85                   | 19.64                      | 40.00           | -20.36     | QP       |         |
| 2   |     | 50.4089      | 26.29                    | -7.63                   | 18.66                      | 40.00           | -21.34     | QP       |         |
| 3   |     | 147.4036     | 27.17                    | -6.72                   | 20.45                      | 43.50           | -23.05     | QP       |         |
| 4   |     | 400.4319     | 27.30                    | -3.80                   | 23.50                      | 46.00           | -22.50     | QP       |         |
| 5   |     | 457.5073     | 27.18                    | -2.66                   | 24.52                      | 46.00           | -21.48     | QP       |         |
| 6   |     | 996.4995     | 26.44                    | 6.55                    | 32.99                      | 54.00           | -21.01     | QP       |         |

# TEST REPORT

Report No.: MTi260625006-0202E1

## 6.5 Emissions in frequency bands (above 1GHz)

| Test Requirement:     | 47 CFR 15.249(a)<br>47 CFR 15.249(d)<br>47 CFR 15.249(e)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------|--------------------------------------------------|------------------------------------------------|-------------|----|-----|-----------------|----|-----|---------------|----|-----|----------------|-----|------|-----------------|-----------------------------------|-------------------------------|-------------|-------------|-----|-------------|--------------|----|------------|----|----|-------|--------|---|--------|--------|---|---------|--------|---|-----------|-----|---|
| Test Limit:           | <p>Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:</p> <table border="1"> <thead> <tr> <th>Fundamental frequency</th><th>Field strength of fundamental (millivolts/meter)</th><th>Field strength of harmonics (microvolts/meter)</th></tr> </thead> <tbody> <tr> <td>902-928 MHz</td><td>50</td><td>500</td></tr> <tr> <td>2400-2483.5 MHz</td><td>50</td><td>500</td></tr> <tr> <td>5725-5875 MHz</td><td>50</td><td>500</td></tr> <tr> <td>24.0-24.25 GHz</td><td>250</td><td>2500</td></tr> </tbody> </table> <p>Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in § 15.209, whichever is the lesser attenuation.</p> <table border="1"> <thead> <tr> <th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr> </thead> <tbody> <tr> <td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr> <tr> <td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr> <tr> <td>1.705-30.0</td><td>30</td><td>30</td></tr> <tr> <td>30-88</td><td>100 **</td><td>3</td></tr> <tr> <td>88-216</td><td>150 **</td><td>3</td></tr> <tr> <td>216-960</td><td>200 **</td><td>3</td></tr> <tr> <td>Above 960</td><td>500</td><td>3</td></tr> </tbody> </table> <p>** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.</p> <p>In the emission table above, the tighter limit applies at the band edges.</p> <p>The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b) of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.</p> |                                                | Fundamental frequency | Field strength of fundamental (millivolts/meter) | Field strength of harmonics (microvolts/meter) | 902-928 MHz | 50 | 500 | 2400-2483.5 MHz | 50 | 500 | 5725-5875 MHz | 50 | 500 | 24.0-24.25 GHz | 250 | 2500 | Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (meters) | 0.009-0.490 | 2400/F(kHz) | 300 | 0.490-1.705 | 24000/F(kHz) | 30 | 1.705-30.0 | 30 | 30 | 30-88 | 100 ** | 3 | 88-216 | 150 ** | 3 | 216-960 | 200 ** | 3 | Above 960 | 500 | 3 |
| Fundamental frequency | Field strength of fundamental (millivolts/meter)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Field strength of harmonics (microvolts/meter) |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 902-928 MHz           | 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 500                                            |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 2400-2483.5 MHz       | 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 500                                            |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 5725-5875 MHz         | 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 500                                            |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 24.0-24.25 GHz        | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2500                                           |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| Frequency (MHz)       | Field strength (microvolts/meter)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Measurement distance (meters)                  |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 0.009-0.490           | 2400/F(kHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 300                                            |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 0.490-1.705           | 24000/F(kHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 30                                             |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 1.705-30.0            | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 30                                             |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 30-88                 | 100 **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                                              |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 88-216                | 150 **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                                              |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| 216-960               | 200 **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                                              |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| Above 960             | 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                                              |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |
| Test Method:          | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 section 6.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                |                       |                                                  |                                                |             |    |     |                 |    |     |               |    |     |                |     |      |                 |                                   |                               |             |             |     |             |              |    |            |    |    |       |        |   |        |        |   |         |        |   |           |     |   |

# TEST REPORT

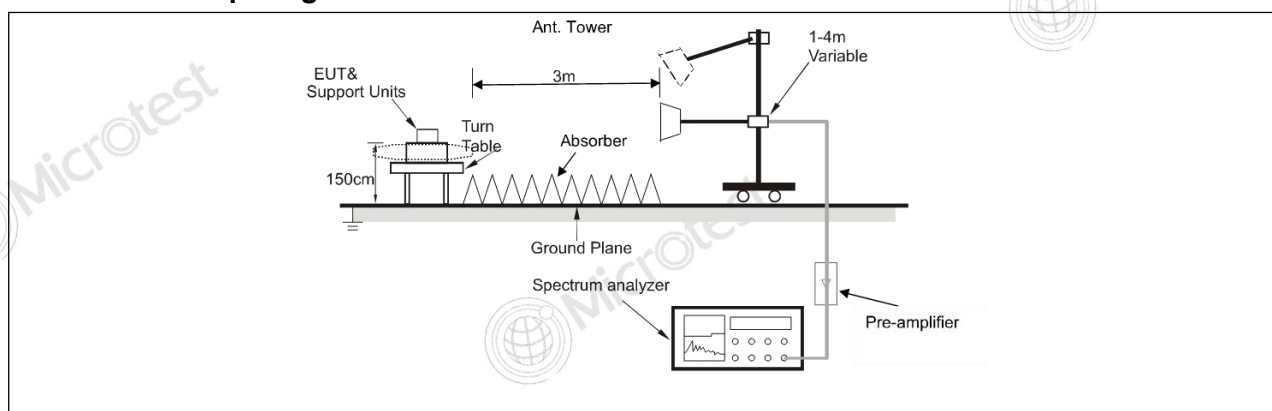
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|            |                                                                              |
|------------|------------------------------------------------------------------------------|
| Procedure: | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 section 6.6 |
|------------|------------------------------------------------------------------------------|

## 6.5.1 E.U.T. Operation:

|                                                                                                                                                                                                                                                                |       |           |      |                       |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|------|-----------------------|---------|
| Operating Environment:                                                                                                                                                                                                                                         |       |           |      |                       |         |
| Temperature:                                                                                                                                                                                                                                                   | 23 °C | Humidity: | 45 % | Atmospheric Pressure: | 101 kPa |
| Pre test mode:                                                                                                                                                                                                                                                 | Mode1 |           |      |                       |         |
| Final test mode:                                                                                                                                                                                                                                               | Mode1 |           |      |                       |         |
| Note: Test frequency are from 1GHz to 25GHz, the amplitude of spurious emissions which are attenuated more than 20 dB below the limits are not reported.<br>All modes of operation of the EUT were investigated, and only the worst-case results are reported. |       |           |      |                       |         |

## 6.5.2 Test Setup Diagram:



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### 6.5.3 Test Data:

#### Calculation formula:

Measurement (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Correct Factor (dB)

Correct Factor (dB) = Antenna Factor + Cable Loss - Preamplifier Factor

Over (dB) = Measurement (dB $\mu$ V/m) - Limit (dB $\mu$ V/m)

Mode1 / Polarization: Horizontal / CH: L

| No. Mk. | Freq.    | Reading Level | Correct Factor | Measurement  | Limit        | Over   | Detector |
|---------|----------|---------------|----------------|--------------|--------------|--------|----------|
|         | MHz      | dB $\mu$ V    | dB             | dB $\mu$ V/m | dB $\mu$ V/m | dB     |          |
| 1       | 4807.500 | 45.55         | 1.79           | 47.34        | 74.00        | -26.66 | peak     |
| 2 *     | 4807.500 | 44.79         | 1.79           | 46.58        | 54.00        | -7.42  | AVG      |
| 3       | 7211.250 | 47.57         | 7.55           | 55.12        | 74.00        | -18.88 | peak     |
| 4       | 7211.250 | 38.13         | 7.55           | 45.68        | 54.00        | -8.32  | AVG      |
| 5       | 9615.000 | 42.57         | 8.84           | 51.41        | 74.00        | -22.59 | peak     |
| 6       | 9615.000 | 36.33         | 8.84           | 45.17        | 54.00        | -8.83  | AVG      |

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Mode1 / Polarization: Vertical / CH: L

| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|
| 1   |     | 4807.500     | 41.36                    | 1.79                    | 43.15                      | 74.00           | -30.85     | peak     |
| 2   |     | 4807.500     | 40.79                    | 1.79                    | 42.58                      | 54.00           | -11.42     | AVG      |
| 3   |     | 7211.250     | 41.50                    | 7.55                    | 49.05                      | 74.00           | -24.95     | peak     |
| 4   |     | 7211.250     | 37.55                    | 7.55                    | 45.10                      | 54.00           | -8.90      | AVG      |
| 5   |     | 9615.000     | 41.08                    | 8.84                    | 49.92                      | 74.00           | -24.08     | peak     |
| 6   | *   | 9615.000     | 36.49                    | 8.84                    | 45.33                      | 54.00           | -8.67      | AVG      |

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Mode1 / Polarization: Horizontal / CH: M

| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|
| 1   |     | 4883.500     | 42.79                    | 2.10                    | 44.89                      | 74.00           | -29.11     | peak     |
| 2   |     | 4883.500     | 41.59                    | 2.10                    | 43.69                      | 54.00           | -10.31     | AVG      |
| 3   |     | 7325.250     | 47.81                    | 7.95                    | 55.76                      | 74.00           | -18.24     | peak     |
| 4   |     | 7325.250     | 36.75                    | 7.95                    | 44.70                      | 54.00           | -9.30      | AVG      |
| 5   |     | 9767.000     | 42.84                    | 9.34                    | 52.18                      | 74.00           | -21.82     | peak     |
| 6   | *   | 9767.000     | 35.80                    | 9.34                    | 45.14                      | 54.00           | -8.86      | AVG      |

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Mode1 / Polarization: Vertical / CH: M

| No. | Mk. | Freq.    | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit  | Over   |          |
|-----|-----|----------|------------------|-------------------|------------------|--------|--------|----------|
|     |     | MHz      | dBuV             | dB                | dBuV/m           | dBuV/m | dB     | Detector |
| 1   |     | 4883.500 | 42.33            | 2.10              | 44.43            | 74.00  | -29.57 | peak     |
| 2   |     | 4883.500 | 41.88            | 2.10              | 43.98            | 54.00  | -10.02 | AVG      |
| 3   |     | 7325.250 | 40.99            | 7.95              | 48.94            | 74.00  | -25.06 | peak     |
| 4   |     | 7325.250 | 37.79            | 7.95              | 45.74            | 54.00  | -8.26  | AVG      |
| 5   |     | 9767.000 | 42.56            | 9.34              | 51.90            | 74.00  | -22.10 | peak     |
| 6   | *   | 9769.000 | 36.74            | 9.33              | 46.07            | 54.00  | -7.93  | AVG      |

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Mode1 / Polarization: Horizontal / CH: H

| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|
| 1   |     | 4959.500     | 42.52                    | 2.45                    | 44.97                      | 74.00           | -29.03     | peak     |
| 2   |     | 4959.500     | 41.69                    | 2.45                    | 44.14                      | 54.00           | -9.86      | AVG      |
| 3   |     | 7439.250     | 46.65                    | 7.79                    | 54.44                      | 74.00           | -19.56     | peak     |
| 4   |     | 7439.250     | 37.43                    | 7.79                    | 45.22                      | 54.00           | -8.78      | AVG      |
| 5   |     | 9919.000     | 42.57                    | 9.17                    | 51.74                      | 74.00           | -22.26     | peak     |
| 6   | *   | 9919.000     | 36.95                    | 9.17                    | 46.12                      | 54.00           | -7.88      | AVG      |

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Mode1 / Polarization: Vertical / CH: H

| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|
| 1   |     | 4959.500     | 41.68                    | 2.45                    | 44.13                      | 74.00           | -29.87     | peak     |
| 2   |     | 4959.500     | 40.70                    | 2.45                    | 43.15                      | 54.00           | -10.85     | AVG      |
| 3   |     | 7439.250     | 40.60                    | 7.79                    | 48.39                      | 74.00           | -25.61     | peak     |
| 4   |     | 7439.250     | 37.17                    | 7.79                    | 44.96                      | 54.00           | -9.04      | AVG      |
| 5   |     | 9919.000     | 42.15                    | 9.17                    | 51.32                      | 74.00           | -22.68     | peak     |
| 6   | *   | 9919.000     | 35.90                    | 9.17                    | 45.07                      | 54.00           | -8.93      | AVG      |

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### Photographs of the test setup

Refer to Appendix - Test Setup Photos

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### Photographs of the EUT

Refer to Appendix - EUT Photos

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### Statement

1. This report is invalid without the seal and signature of the laboratory.
2. The test results of this report are only responsible for the samples submitted. Client shall be responsible for representativeness of the sample and authenticity of the material.
3. The report shall not be partially reproduced without the written consent of the Laboratory.
4. This report is invalid if transferred, altered or tampered with in any form without authorization.
5. The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
6. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

\*\*\*\*\* END OF REPORT \*\*\*\*\*