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Report No.: 2506TWA401-U3  
Report Version: 1.0  
Issue Date: 2025-10-07

## MEASUREMENT REPORT

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**FCC ID** : I17-MEDIX24V3  
**APPLICANT** : Tangent Computer Incorporated  
**Application Type** : Certification  
**Product** : Medical All-in-One PC  
**Model Name** : Medix 24 v3  
**Trademark** : tangent  
**FCC Classification** : (DCD) Part 15 Low Power Transmitter Below 1705 kHz  
**FCC Rule Part(s)** : Part 15.209  
**Test Procedure(s)** : ANSI C63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024  
**Received Date** : June 2, 2025  
**Test Date** : July 9, 2025~ July 10, 2025

**Tested By** : Kaunaz Lee  
( Kaunaz Lee )

**Reviewed By** : Paddy Chen  
( Paddy Chen )

**Approved By** : Chenz Ker  
( Chenz Ker )



The test results only relate to the tested sample.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10-2020. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Taiwan) Co., Ltd.

## Revision History

| Report No.    | Version | Description     | Issue Date | Note |
|---------------|---------|-----------------|------------|------|
| 2506TWA401-U3 | 1.0     | Original Report | 2025-10-07 |      |

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## General Information

|                                 |                                                                                                                                  |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicant</b>                | Tangent Computer Incorporated                                                                                                    |
| <b>Applicant Address</b>        | 191 Airport Blvd. Burlingame, 94010, California, United States of America                                                        |
| <b>Manufacturer</b>             | Tangent Computer Incorporated                                                                                                    |
| <b>Manufacturer Address</b>     | 191 Airport Blvd. Burlingame, 94010, California, United States of America                                                        |
| <b>Test Site</b>                | MRT Technology (Taiwan) Co., Ltd                                                                                                 |
| <b>Test Site Address</b>        | No. 38, Fuxing Second Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C)                                                       |
| <b>MRT FCC Registration No.</b> | 291082                                                                                                                           |
| <b>MRT IC Registration No.</b>  | 21723                                                                                                                            |
| <b>Test Device Serial No.</b>   | #1-1 <input type="checkbox"/> Production <input checked="" type="checkbox"/> Pre-Production <input type="checkbox"/> Engineering |

## Test Facility / Accreditations

1. MRT facility is a FCC registered (Reg. No. 291082) test facility with the site description report on file and is designated by the FCC as an Accredited Test Firm.
2. MRT facility is an IC registered (MRT Reg. No. 21723) test laboratory with the site description on file at Industry Canada.
3. MRT Lab is accredited to ISO 17025 by the Taiwan Accreditation Foundation (TAF Cert. No. 3261) in EMC, Telecommunications and Radio testing for FCC (Designation Number: TW3261), Industry Canada, EU and TELEC Rules.

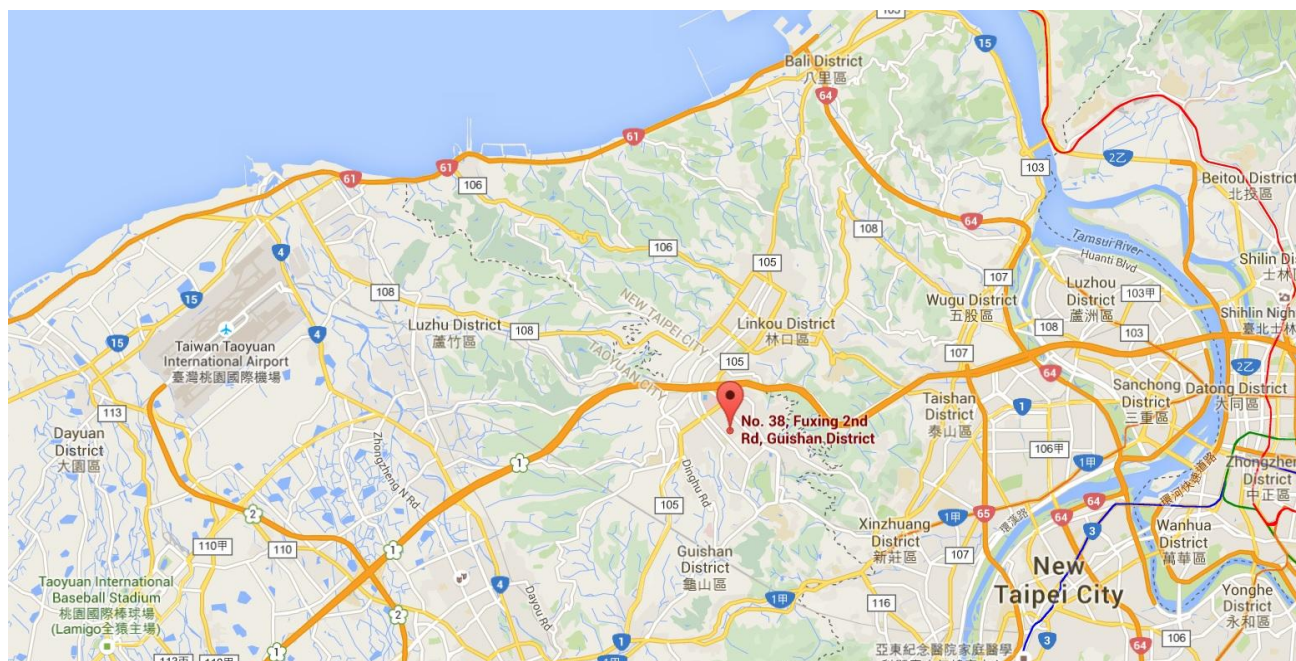
# 1. INTRODUCTION

## 1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Industry Canada Certification and Engineering Bureau.

## 1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taoyuan City. These measurement tests were conducted at the MRT Technology (Taiwan) Co., Ltd. Facility located at No.38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan (R.O.C).



## 2. PRODUCT INFORMATION

### 2.1. Equipment Description

|                    |                                                                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name       | Medical All-in-One PC                                                                                                                                                  |
| Model No.          | Medix 24 v3                                                                                                                                                            |
| RFID Specification | 125kHz                                                                                                                                                                 |
| Modulation         | ASK                                                                                                                                                                    |
| Antenna Type       | Loop Antenna                                                                                                                                                           |
| Accessory          |                                                                                                                                                                        |
| Power Adapter#1    | Brand Name: FSP<br>Model: FSP090-RBBM1<br>Input: AC 100-240V, 1.5~0.6A, 50-60Hz<br>Output: DC 19V=4.74A, 90W<br>DC Cable Out Non-Shielding, 1.5m with Core*1           |
| Power Adapter#2    | Brand Name: ADAPTER TECH.<br>Model: ATM090T-P190<br>Input: AC 100-240V, 1.2~0.5A, 50-60Hz<br>Output: DC 19V=4.74A, 90W<br>DC Cable Out Non-Shielding, 1.5m with Core*1 |

## 2.2. Test Mode

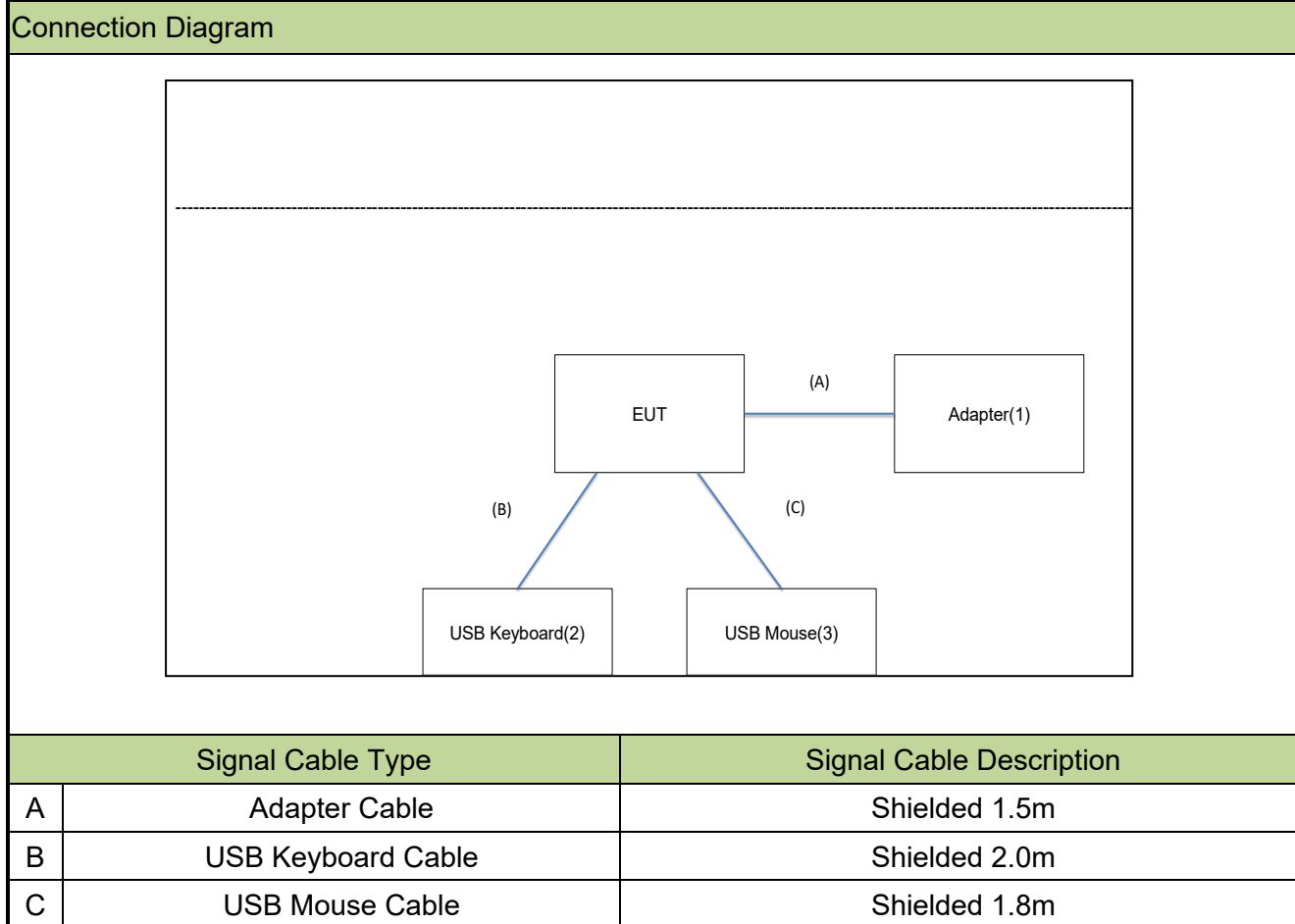
|           |                                 |
|-----------|---------------------------------|
| Test Mode | Mode 1: Transmit by RFID 125kHz |
|-----------|---------------------------------|

## 2.3. Test Software

N/A.

## 2.4. Test Configuration

The **Medical All-in-One PC**, ANSI C63.10-2020 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing.



## 2.5. Test System Details

The types for all equipment, and descriptions of all cables used in the tested system (including inserted cards) are:

| No. | Product      | Manufacturer | Model No.    | Serial No. | Power Cord         |
|-----|--------------|--------------|--------------|------------|--------------------|
| 1   | Adapter      | FSP          | FSP090-RBBM1 | N/A        | Non-shielded, 1.7m |
| 2   | USB Keyboard | Lenovo       | KU-0225      | N/A        | N/A                |
| 3   | USB Mouse    | Lenovo       | M-U0025-O    | N/A        | N/A                |

## 2.6. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

## 2.7. Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase.

However, when the device is so small wherein placement of the label with specified statement is not practical, only the FCC ID must be displayed on the device per Section 15.19(a)(5). Please see attachment for FCC ID label and label location.

### 3. DESCRIPTION of TEST

#### 3.1. Evaluation Procedure

The measurement procedures described in the American National Standard for Testing Unlicensed Wireless Devices (ANSI C63.10-2020) were used in the measurement of the **Medical All-in-One PC**.

**Deviation from measurement procedure.....None**

#### 3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an 9'x4'x3' shielded enclosure. A 1m x 2m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50uH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground-plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the receiver and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The receiver was scanned from 150kHz to 30MHz. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 9kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Each emission was also maximized by varying: power lines, the mode of operation or data exchange speed, or support equipment which determined the worst-case emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions are used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

An extension cord was used to connect to a single LISN which powered by EUT. The extension cord was calibrated with LISN, the impedance and insertion loss are compliance with the requirements as stated in ANSI C63.10-2020.

Line conducted emissions test results are shown in Section 7.6.

### 3.3. Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. For measurements above 1GHz absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed. A MF Model 210SS turntable is used for radiated measurement. It is a continuously rotatable, remote controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm high PVC support structure is placed on top of the turntable.

For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up for frequencies below 1GHz was placed on top of the 0.8 meter high, 1 x 1.5 meter table; and test set-up for frequencies 1-40GHz was placed on top of the 1.5 meter high, 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, if applicable, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, which produced the worst-case emissions. According to 3dB Beam-Width of horn antenna, the horn antenna should be always directed to the EUT when rising height.

Radiated Emissions test results are shown in Section 7.2 & 7.3 .

## 4. ANTENNA REQUIREMENTS

### Excerpt from §15.209 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of **Medical All-in-One PC** is **permanently attached**.
- There are no provisions for connection to an external antenna.

### **Conclusion:**

The **Medical All-in-One PC** unit complies with the requirement of §15.209 .

## 5. TEST EQUIPMENT CALIBRATION DATE

### Conducted Emissions – SR2

| Instrument         | Manufacturer | Type No. | Asset No.   | Cali. Interval | Cali. Due Date |
|--------------------|--------------|----------|-------------|----------------|----------------|
| Two-Line V-Network | R&S          | ENV216   | MRTTWA00019 | 1 year         | 2026/3/5       |
| Two-Line V-Network | R&S          | ENV216   | MRTTWA00020 | 1 year         | 2026/4/14      |
| EMI Test Receiver  | R&S          | ESR3     | MRTTWA00045 | 1 year         | 2026/5/13      |

### Radiated Emissions – AC1

| Instrument               | Manufacturer | Type No.   | Asset No.   | Cali. Interval | Cali. Due Date |
|--------------------------|--------------|------------|-------------|----------------|----------------|
| Active Loop Antenna      | SCHWARZBECK  | FMZB 1519B | MRTTWA00002 | 1 year         | 2026/4/16      |
| Broadband TRILOG Antenna | SCHWARZBECK  | VULB 9162  | MRTTWA00086 | 1 year         | 2025/11/5      |
| EMI Test Receiver        | R&S          | ESR3       | MRTTWA00009 | 1 year         | 2026/3/4       |
| Signal Analyzer          | R&S          | FSVA3044   | MRTTWA00092 | 1 year         | 2025/9/20      |

### Test Software

| Software | Version   | Function          |
|----------|-----------|-------------------|
| e3       | 9.160520a | EMI Test Software |
| EMI      | V3        | EMI Test Software |

## 6. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k = 2$ .

|                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conducted Emission- Power Line                                                                                                                                                                                       |
| Measuring Uncertainty for a Level of Confidence of 95% ( $U=2U_c(y)$ ):<br>0.15MHz~30MHz: $\pm 2.53\text{dB}$                                                                                                        |
| Conducted Measurement                                                                                                                                                                                                |
| Measuring Uncertainty for a Level of Confidence of 95% ( $U=2U_c(y)$ ): $\pm 1.3\text{dB}$                                                                                                                           |
| Radiated Spurious Emission                                                                                                                                                                                           |
| Measuring Uncertainty for a Level of Confidence of 95% ( $U=2U_c(y)$ ):<br>9kHz~30MHz: $\pm 3.92\text{dB}$<br>30MHz~1GHz: $\pm 4.25\text{dB}$<br>1GHz~18GHz: $\pm 4.40\text{dB}$<br>18GHz~40GHz: $\pm 4.45\text{dB}$ |

## 7. TEST RESULT

### 7.1. Summary

**Product Name:** Medical All-in-One PC

**FCC Classification:** (DCD) Part 15 Low Power Transmitter Below 1705 kHz

| FCC Part Section(s) | Test Description                                                        | Test Limit        | Test Condition | Test Result | Reference   |
|---------------------|-------------------------------------------------------------------------|-------------------|----------------|-------------|-------------|
| 15.209              | Radiated Spurious Emissions and Field Strength of Fundamental Emissions | FCC 15.209 limits | Radiated       | Pass        | Section 7.2 |
| 2.1049              | 20dB Bandwidth                                                          | N/A               |                | Pass        | Section 7.3 |
| 15.207              | AC Conducted Emissions<br>150kHz - 30MHz                                | FCC 15.207 limits | Line Conducted | Pass        | Section 7.4 |

#### Notes:

- 1) Determining compliance is based on the test results met the regulation limits or requirements declared by clients, and the test results don't take into account the value of measurement uncertainty.
- 2) For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst case emissions.
- 3) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- 4) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables and attenuators.

## 7.2. Radiated Spurious Emissions and Field Strength of Fundamental Emissions Measurement

### 7.2.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.209 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

| FCC Part 15 Subpart C Paragraph 15.209 Limits |                      |                            |
|-----------------------------------------------|----------------------|----------------------------|
| Frequency [MHz]                               | Field Strength [V/m] | Measured Distance [Meters] |
| 0.009 - 0.490                                 | 2400/F (kHz)         | 300                        |
| 0.490 - 1.705                                 | 24000/F (kHz)        | 30                         |
| 1.705 - 30                                    | 30                   | 30                         |
| 30 - 88                                       | 100                  | 3                          |
| 88 - 216                                      | 150                  | 3                          |
| 216 - 960                                     | 200                  | 3                          |
| Above 960                                     | 500                  | 3                          |

Note : 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.

### 7.2.2. Test Procedure Used

ANSI C63.10-2020 - Section 11.12.2.3 (quasi-peak measurements)

ANSI C63.10-2020 - Section 11.12.2.4 (peak power measurements)

ANSI C63.10-2020 - Section 11.12.2.5 (average power measurements)

## Test Setting

### Peak Power Measurement

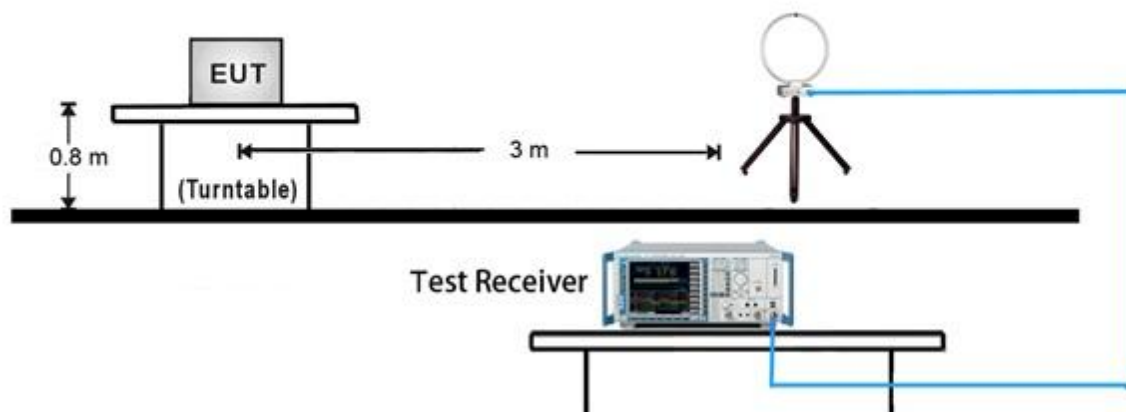
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW =  $3 \times \text{RBW}$
4. Detector = peak
5. Sweep time = auto couple

**Table 1 - RBW as a function of frequency**

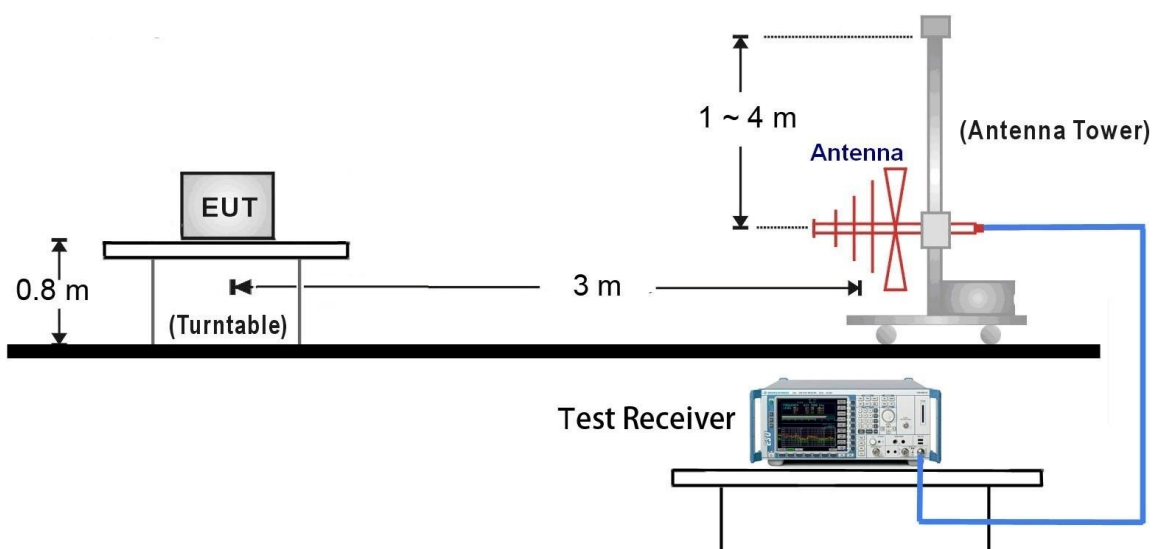
| Frequency         | RBW               |
|-------------------|-------------------|
| 9 kHz ~ 150 kHz   | 200 Hz ~ 300 Hz   |
| 0.15 MHz ~ 30 MHz | 9 kHz ~ 10 kHz    |
| 30 MHz ~ 1000 MHz | 100 kHz ~ 120 kHz |
| > 1000 MHz        | 1 MHz             |

### 7.2.3. Test Setup

#### 9kHz ~ 30MHz Test Setup:

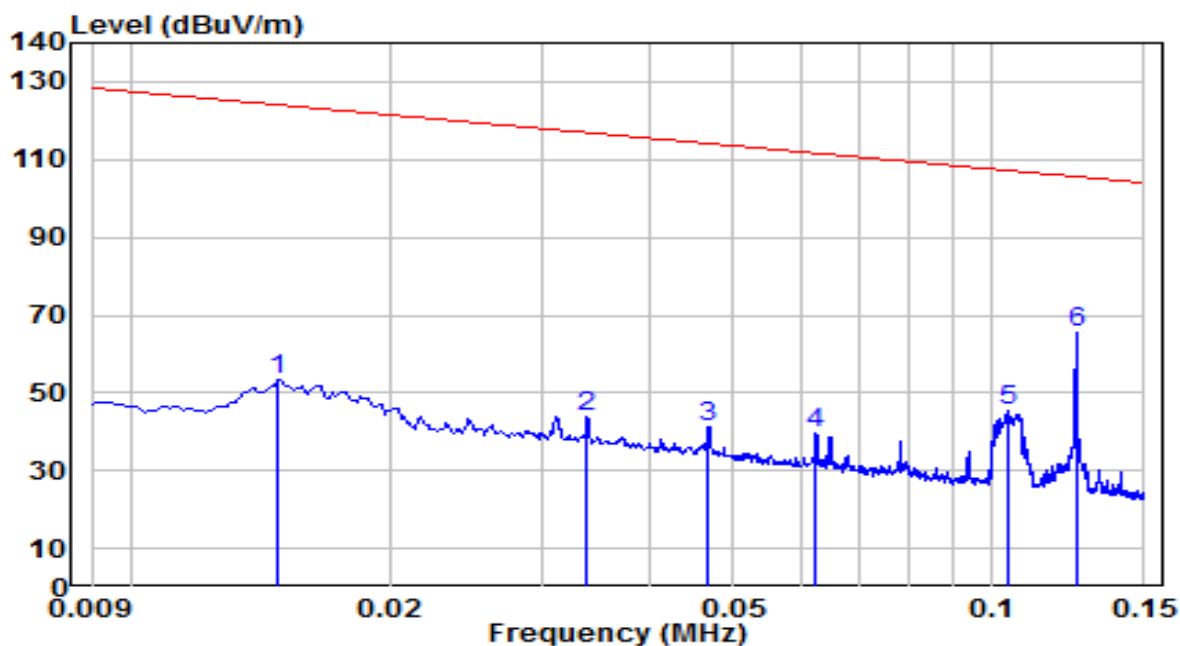


#### 30MHz ~ 1GHz Test Setup:



#### 7.2.4. Test Result

|           |                       |                      |              |
|-----------|-----------------------|----------------------|--------------|
| EUT       | Medical All-in-One PC | Date of Test         | 2025-07-10   |
| Factor    | FMZB 1519B            | Temp. / Humidity     | 24°C /69%    |
| Polarity  | Face On               | Site / Test Engineer | AC1 / Todd   |
| Test Mode | TX-RFID 125kHz        | Test Voltage         | AC 120V/60Hz |

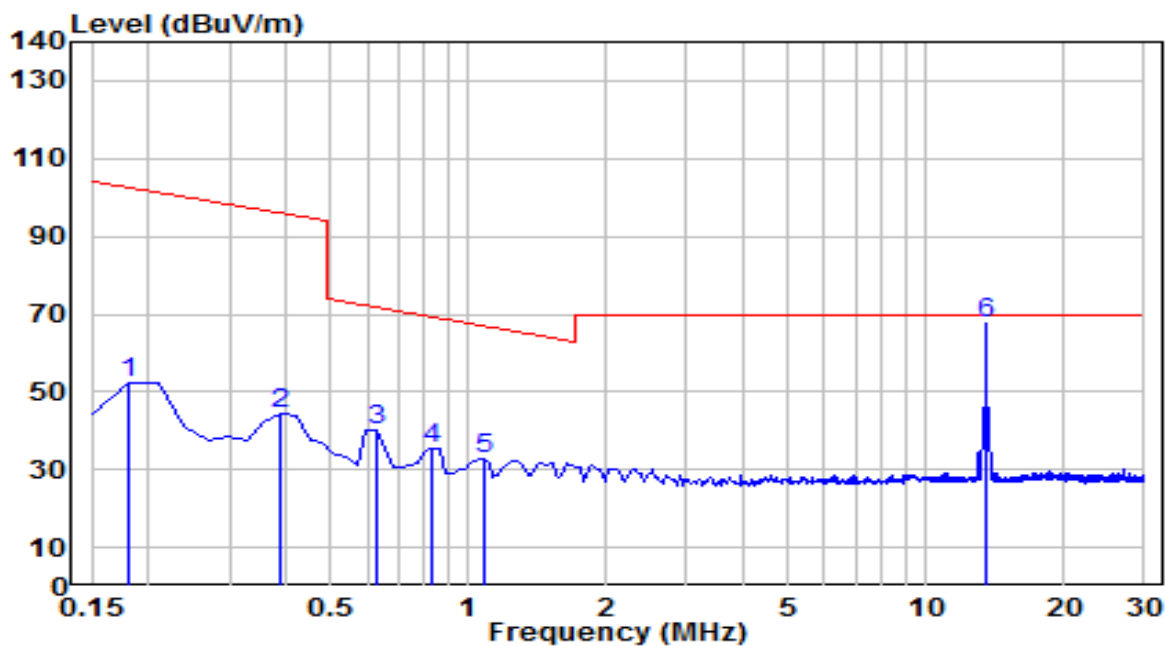


| No  | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1   | 0.015           | 34.73          | 18.79      | 53.53                | -70.67      | 124.19         | 100         | 241         | Peak              |
| 2   | 0.034           | 24.53          | 19.52      | 44.05                | -72.96      | 117.01         | 100         | 298         | Peak              |
| 3   | 0.047           | 22.25          | 19.14      | 41.39                | -72.80      | 114.19         | 100         | 289         | Peak              |
| 4   | 0.062           | 20.91          | 18.79      | 39.70                | -71.98      | 111.69         | 100         | 268         | Peak              |
| 5 * | 0.104           | 27.15          | 18.05      | 45.20                | -62.04      | 107.24         | 100         | 223         | Peak              |
| 6   | 0.125           | 47.57          | 18.11      | 65.68                | N/A         | N/A            | 100         | 360         | Peak              |

Note:

1. " \*", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. This frequency is 0.125MHz RFID operating frequency.

|           |                       |                      |              |
|-----------|-----------------------|----------------------|--------------|
| EUT       | Medical All-in-One PC | Date of Test         | 2025-07-10   |
| Factor    | FMZB 1519B            | Temp. / Humidity     | 24°C /69%    |
| Polarity  | Face On               | Site / Test Engineer | AC1 / Todd   |
| Test Mode | TX-RFID 125kHz        | Test Voltage         | AC 120V/60Hz |

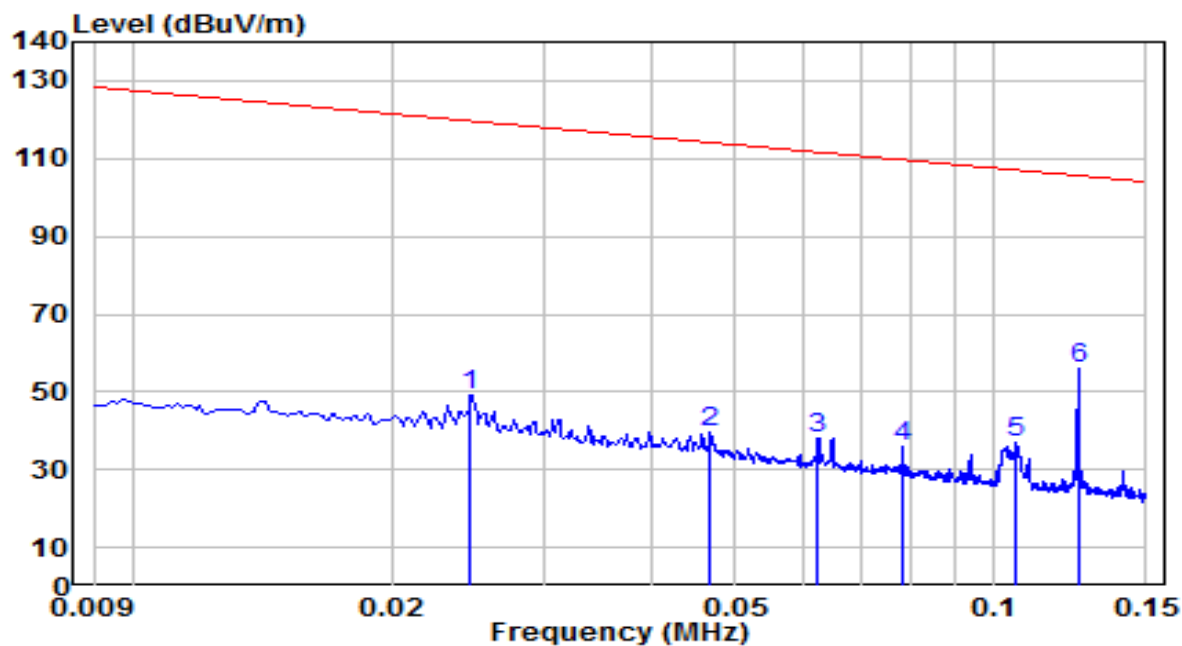


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1  | 0.180           | 34.22          | 18.25      | 52.48                | -50.03      | 102.50         | 100         | 210         | Peak              |
| 2  | 0.389           | 25.52          | 18.61      | 44.13                | -51.68      | 95.81          | 100         | 329         | Peak              |
| 3  | * 0.628         | 21.72          | 18.66      | 40.38                | -31.28      | 71.66          | 100         | 196         | Peak              |
| 4  | 0.837           | 16.96          | 18.63      | 35.59                | -33.58      | 69.17          | 100         | 223         | Peak              |
| 5  | 1.075           | 14.35          | 18.60      | 32.96                | -34.04      | 66.99          | 100         | 318         | Peak              |
| 6  | 13.553          | 45.98          | 21.46      | 67.44                | N/A         | N/A            | 100         | 356         | Peak              |

Note:

- "\*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.
- This frequency is 13.553MHz RFID operating frequency.

|           |                       |                      |              |
|-----------|-----------------------|----------------------|--------------|
| EUT       | Medical All-in-One PC | Date of Test         | 2025-07-10   |
| Factor    | FMZB 1519B            | Temp. / Humidity     | 24°C /69%    |
| Polarity  | Face Off              | Site / Test Engineer | AC1 / Todd   |
| Test Mode | TX-RFID 125kHz        | Test Voltage         | AC 120V/60Hz |

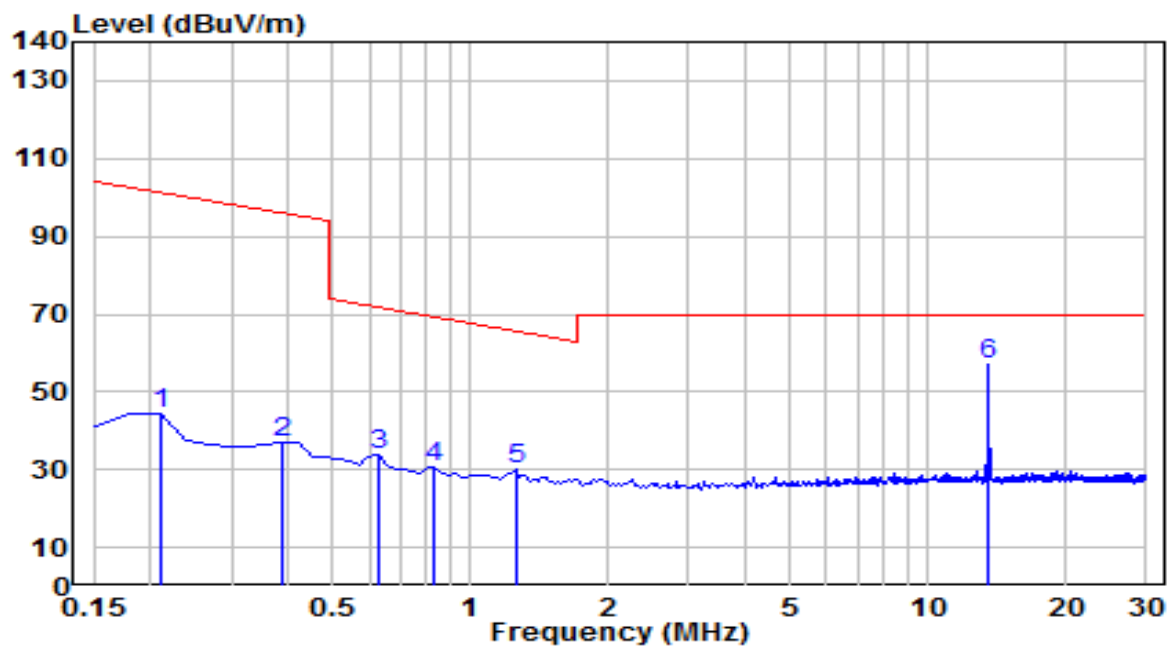


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1  | 0.025           | 29.99          | 19.34      | 49.33                | -70.42      | 119.75         | 100         | 246         | Peak              |
| 2  | 0.047           | 20.31          | 19.14      | 39.45                | -74.75      | 114.19         | 100         | 80          | Peak              |
| 3  | 0.062           | 19.45          | 18.79      | 38.24                | -73.44      | 111.69         | 100         | 204         | Peak              |
| 4  | 0.078           | 17.69          | 18.48      | 36.17                | -73.58      | 109.75         | 100         | 292         | Peak              |
| 5  | * 0.106         | 18.92          | 18.06      | 36.98                | -70.11      | 107.08         | 100         | 243         | Peak              |
| 6  | 0.125           | 37.92          | 18.11      | 56.02                | N/A         | N/A            | 100         | 359         | Peak              |

Note:

- "\*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.
- This frequency is 0.125MHz RFID operating frequency.

|           |                       |                      |              |
|-----------|-----------------------|----------------------|--------------|
| EUT       | Medical All-in-One PC | Date of Test         | 2025-07-10   |
| Factor    | FMZB 1519B            | Temp. / Humidity     | 24°C /69%    |
| Polarity  | Face Off              | Site / Test Engineer | AC1 / Todd   |
| Test Mode | TX-RFID 125kHz        | Test Voltage         | AC 120V/60Hz |

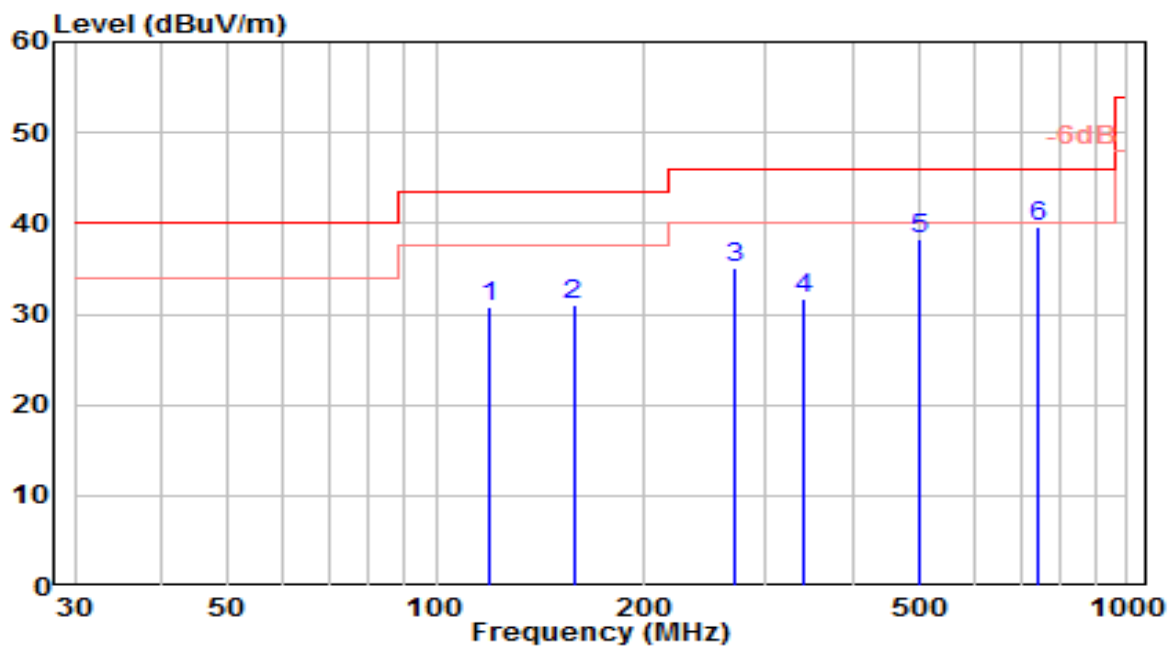


| No  | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|-----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1   | 0.210           | 25.98          | 18.33      | 44.31                | -56.86      | 101.17         | 100         | 225         | Peak              |
| 2   | 0.389           | 18.62          | 18.61      | 37.23                | -58.57      | 95.81          | 100         | 196         | Peak              |
| 3   | 0.628           | 15.03          | 18.66      | 33.69                | -37.97      | 71.66          | 100         | 200         | Peak              |
| 4   | 0.837           | 11.91          | 18.63      | 30.53                | -38.63      | 69.17          | 100         | 209         | Peak              |
| 5 * | 1.254           | 11.35          | 18.61      | 29.96                | -35.70      | 65.66          | 100         | 1           | Peak              |
| 6   | 13.553          | 35.82          | 21.46      | 57.29                | N/A         | N/A            | 100         | 361         | Peak              |

Note:

- "\*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.
- This frequency is 13.553MHz RFID operating frequency.

|           |                       |                      |              |
|-----------|-----------------------|----------------------|--------------|
| EUT       | Medical All-in-One PC | Date of Test         | 2025-07-10   |
| Factor    | VULB 9162             | Temp. / Humidity     | 24°C /69%    |
| Polarity  | Horizontal            | Site / Test Engineer | AC1 / Todd   |
| Test Mode | TX-RFID 125kHz        | Test Voltage         | AC 120V/60Hz |

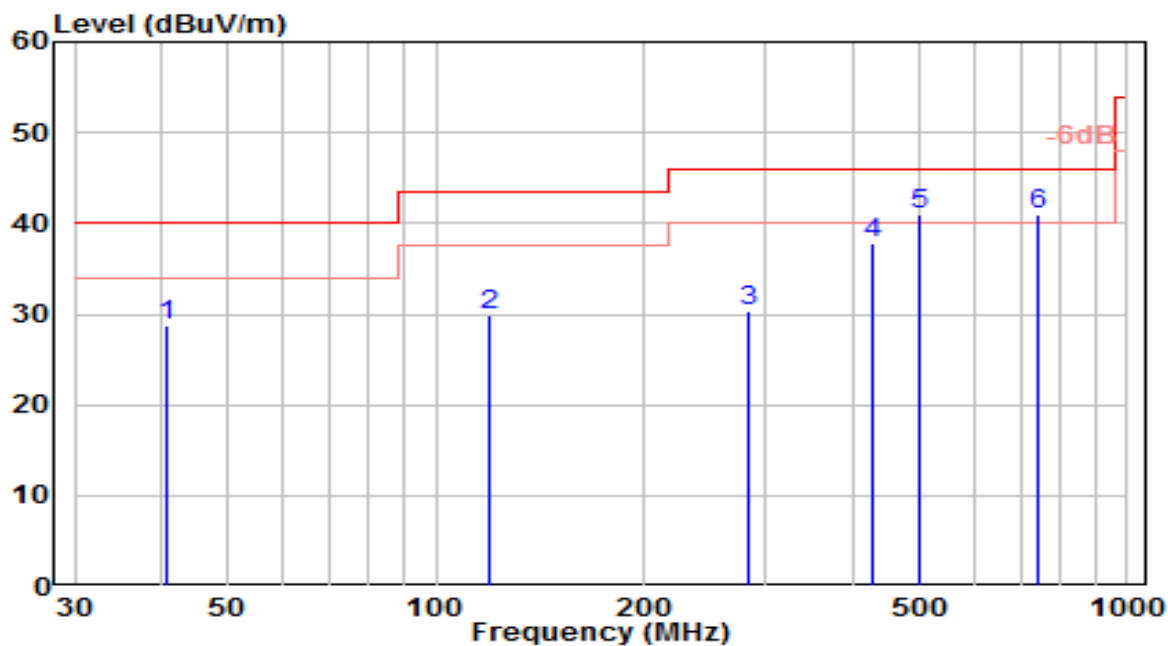


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1  | 119.240         | 13.32          | 17.39      | 30.71                | -12.79      | 43.50          | 150         | 95          | QP                |
| 2  | 158.040         | 15.09          | 15.94      | 31.04                | -12.46      | 43.50          | 150         | 180         | QP                |
| 3  | 269.590         | 14.53          | 20.48      | 35.01                | -10.99      | 46.00          | 100         | 320         | QP                |
| 4  | 341.370         | 8.97           | 22.66      | 31.63                | -14.37      | 46.00          | 100         | 265         | QP                |
| 5  | 498.510         | 12.71          | 25.45      | 38.16                | -7.84       | 46.00          | 150         | 255         | QP                |
| 6  | * 745.860       | 10.09          | 29.52      | 39.61                | -6.39       | 46.00          | 150         | 330         | QP                |

Note:

1. " \*", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

|           |                       |                      |              |
|-----------|-----------------------|----------------------|--------------|
| EUT       | Medical All-in-One PC | Date of Test         | 2025-07-10   |
| Factor    | VULB 9162             | Temp. / Humidity     | 24°C /69%    |
| Polarity  | Vertical              | Site / Test Engineer | AC1 / Todd   |
| Test Mode | TX-RFID 125kHz        | Test Voltage         | AC 120V/60Hz |



| No | Frequency (MHz) | Reading (dBuV) | C.F (dB/m) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|------------|----------------------|-------------|----------------|-------------|-------------|-------------------|
| 1  | 40.670          | 8.44           | 20.21      | 28.65                | -11.35      | 40.00          | 100         | 60          | QP                |
| 2  | 119.240         | 12.41          | 17.39      | 29.80                | -13.70      | 43.50          | 100         | 15          | QP                |
| 3  | 284.140         | 9.54           | 20.84      | 30.38                | -15.62      | 46.00          | 150         | 245         | QP                |
| 4  | 426.730         | 13.73          | 24.07      | 37.80                | -8.20       | 46.00          | 100         | 170         | QP                |
| 5  | 498.510         | 15.58          | 25.45      | 41.04                | -4.96       | 46.00          | 100         | 145         | QP                |
| 6  | * 744.890       | 11.58          | 29.50      | 41.08                | -4.92       | 46.00          | 150         | 250         | QP                |

Note:

1. " \*", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

### 7.3. 20dB Bandwidth Measurement

#### 7.3.1. Test Limit

N/A

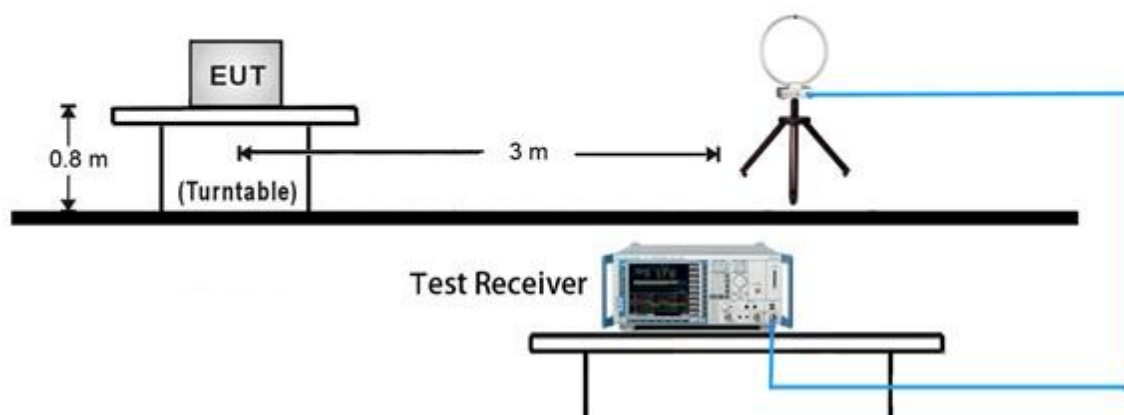
#### 7.3.2. Test Procedure Used

KDB 789033 D02v01r01 – Section C.1

#### 7.3.3. Test Setting

1. The analyzers' automatic bandwidth measurement capability was used to perform the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to  $X = 26$ . The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediated power nulls in the fundamental emission.
2. RBW = approximately 1% of the emission bandwidth.
3.  $VBW \geq 3 \times RBW$ .
4. Detector = Peak.
5. Trace mode = max hold.

#### 7.3.4. Test Setup



### 7.3.5. Test Result

| Test Mode | Frequency (kHz) | 20dB Bandwidth (Hz) | 99% Bandwidth (Hz) |
|-----------|-----------------|---------------------|--------------------|
| RFID      | 125             | 149.85              | 283.72             |



## 7.4. AC Conducted Emissions Measurement

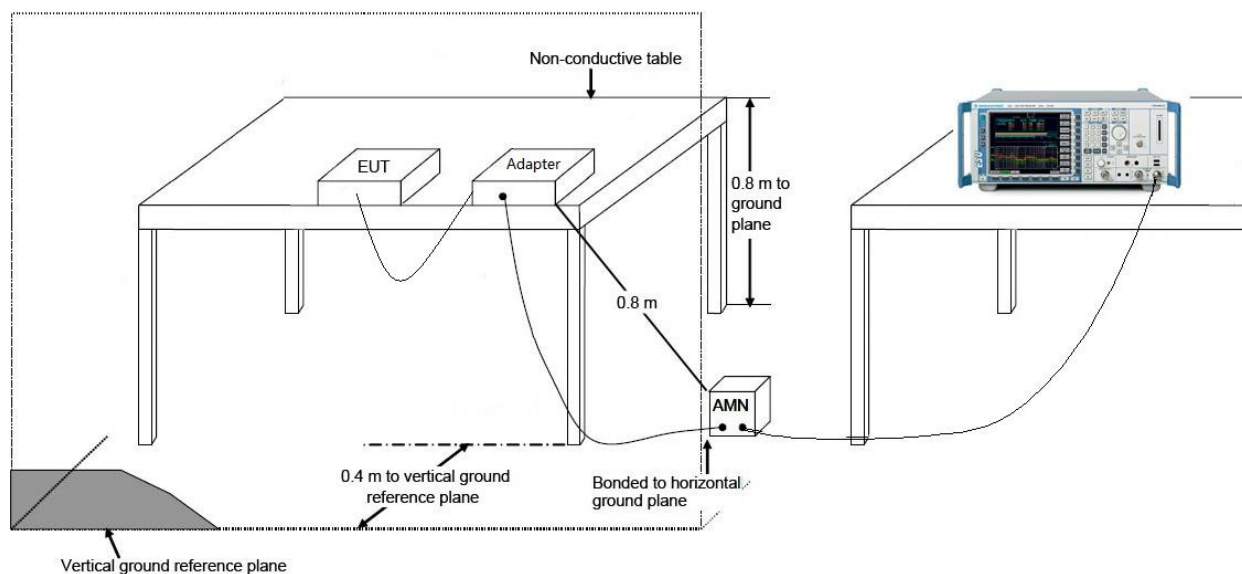
### 7.4.1. Test Limit

| FCC Part 15 Subpart C Paragraph 15.207 Limits |           |           |
|-----------------------------------------------|-----------|-----------|
| Frequency (MHz)                               | QP (dBuV) | AV (dBuV) |
| 0.15 - 0.50                                   | 66 - 56   | 56 - 46   |
| 0.50 - 5.0                                    | 56        | 46        |
| 5.0 - 30                                      | 60        | 50        |

Note 1: The lower limit shall apply at the transition frequencies.

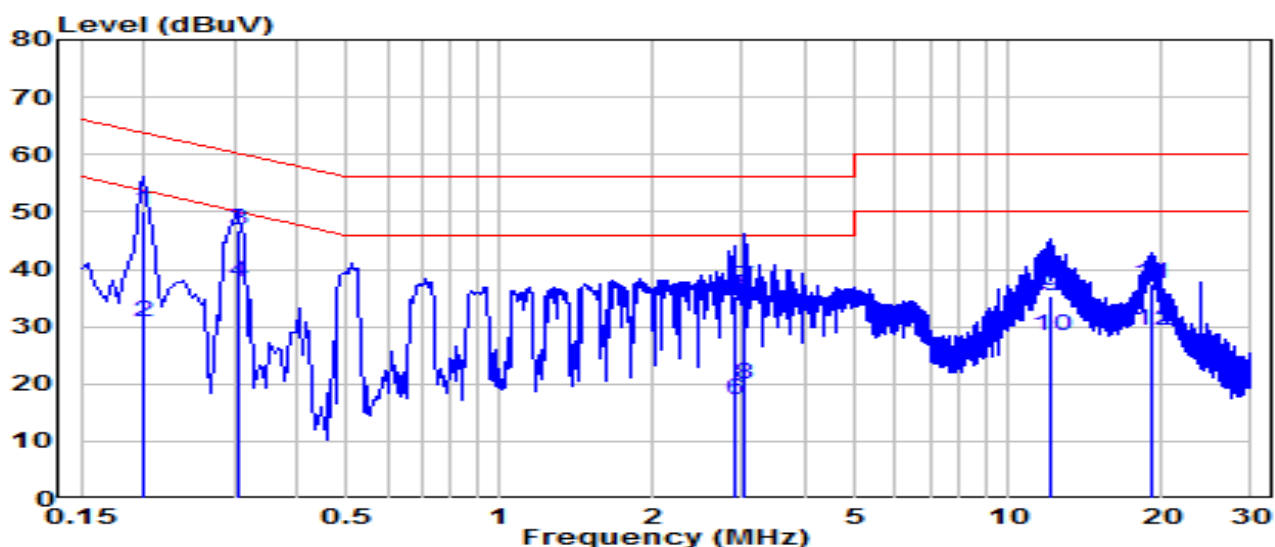
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

### 7.4.2. Test Setup



### 7.4.3. Test Result

|           |                          |                      |              |
|-----------|--------------------------|----------------------|--------------|
| EUT       | Medical All-in-One PC    | Date of Test         | 2025-07-10   |
| Factor    | CE_ENV216-L1 (Filter ON) | Temp. / Humidity     | 25°C /57%    |
| Polarity  | Line1                    | Site / Test Engineer | SR2 / Ryan   |
| Test Mode | TX-RFID 125kHz           | Test Voltage         | AC 120V/60Hz |

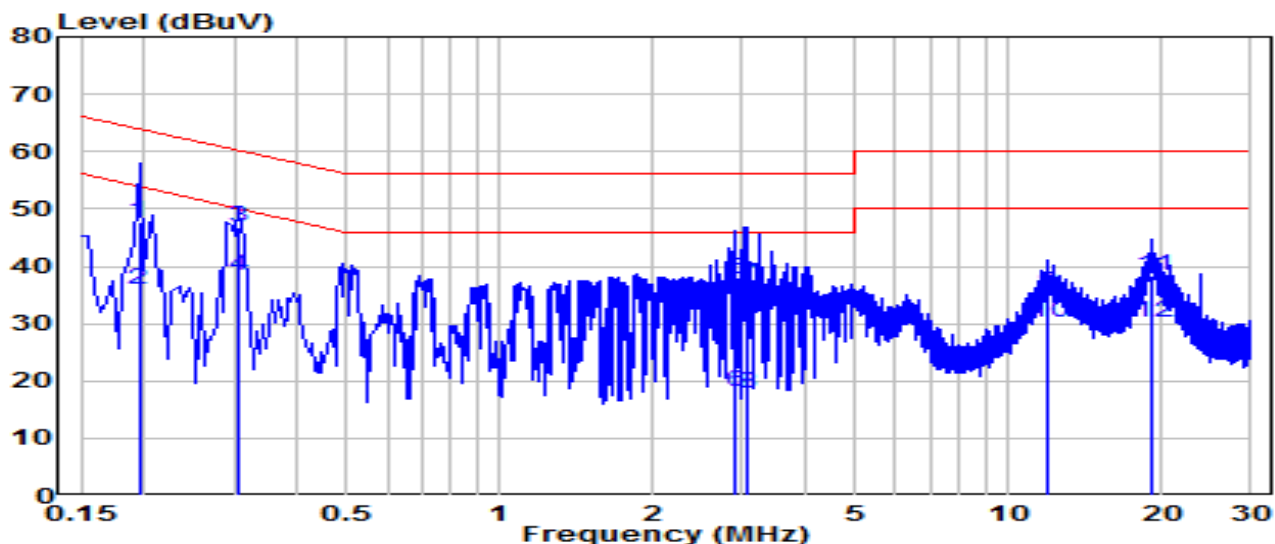


| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV) | Margin (dB) | Limit (dBuV) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|--------------------|-------------|--------------|-------------------|
| 1  |   | 0.199           | 40.58          | 9.62     | 50.21              | -13.43      | 63.63        | QP                |
| 2  |   | 0.199           | 21.12          | 9.62     | 30.75              | -22.88      | 53.63        | Average           |
| 3  | * | 0.307           | 37.13          | 9.63     | 46.76              | -13.28      | 60.04        | QP                |
| 4  | * | 0.307           | 28.22          | 9.63     | 37.85              | -12.19      | 50.04        | Average           |
| 5  |   | 2.881           | 25.74          | 9.71     | 35.46              | -20.54      | 56.00        | QP                |
| 6  |   | 2.881           | 7.39           | 9.71     | 17.11              | -28.89      | 46.00        | Average           |
| 7  |   | 3.021           | 27.19          | 9.72     | 36.90              | -19.10      | 56.00        | QP                |
| 8  |   | 3.021           | 10.12          | 9.72     | 19.84              | -26.16      | 46.00        | Average           |
| 9  |   | 12.191          | 25.38          | 9.88     | 35.26              | -24.74      | 60.00        | QP                |
| 10 |   | 12.191          | 18.47          | 9.88     | 28.35              | -21.65      | 50.00        | Average           |
| 11 |   | 19.066          | 27.40          | 9.93     | 37.33              | -22.67      | 60.00        | QP                |
| 12 |   | 19.066          | 19.40          | 9.93     | 29.33              | -20.67      | 50.00        | Average           |

Note:

1. " \*", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV) = Reading(dBuV) + C.F (Correction Factor).

|           |                         |                      |              |
|-----------|-------------------------|----------------------|--------------|
| EUT       | Medical All-in-One PC   | Date of Test         | 2025-07-10   |
| Factor    | CE_ENV216-N (Filter ON) | Temp. / Humidity     | 25°C /57%    |
| Polarity  | Neutral                 | Site / Test Engineer | SR2 / Ryan   |
| Test Mode | TX-RFID 125kHz          | Test Voltage         | AC 120V/60Hz |



| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV) | Margin (dB) | Limit (dBuV) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|--------------------|-------------|--------------|-------------------|
| 1  |   | 0.195           | 37.95          | 9.62     | 47.57              | -16.25      | 63.82        | QP                |
| 2  |   | 0.195           | 26.21          | 9.62     | 35.83              | -17.99      | 53.82        | Average           |
| 3  | * | 0.307           | 37.31          | 9.63     | 46.93              | -13.10      | 60.04        | QP                |
| 4  | * | 0.307           | 28.61          | 9.63     | 38.24              | -11.80      | 50.04        | Average           |
| 5  |   | 2.886           | 27.87          | 9.71     | 37.59              | -18.41      | 56.00        | QP                |
| 6  |   | 2.886           | 8.30           | 9.71     | 18.02              | -27.98      | 46.00        | Average           |
| 7  |   | 3.066           | 27.03          | 9.72     | 36.74              | -19.26      | 56.00        | QP                |
| 8  |   | 3.066           | 8.08           | 9.72     | 17.79              | -28.21      | 46.00        | Average           |
| 9  |   | 11.939          | 25.44          | 9.89     | 35.33              | -24.67      | 60.00        | QP                |
| 10 |   | 11.939          | 20.31          | 9.89     | 30.20              | -19.80      | 50.00        | Average           |
| 11 |   | 19.237          | 28.36          | 9.97     | 38.33              | -21.67      | 60.00        | QP                |
| 12 |   | 19.237          | 20.32          | 9.97     | 30.29              | -19.71      | 50.00        | Average           |

Note:

1. " \*", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV) = Reading(dBuV) + C.F (Correction Factor).

## 8. CONCLUSION

The data collected relate only the item(s) tested and show that the **Medical All-in-One PC** is in compliance with Part 15.209 of the FCC Rules.

## **Appendix A : Test Photograph**

Refer to “2506TWA401-UT” file.

## **Appendix B : External Photograph**

Refer to “2506TWA401-UE” file.

## **Appendix C : Internal Photograph**

Refer to “2506TWA401-UI” file.

\_\_\_\_\_ The End \_\_\_\_\_