

# TEST REPORT

**Applicant:** Shenzhen Golden Vision Technology Development Co., Ltd  
**Address of Applicant:** No.6 Bao Fu Road, Bao Lai industrial Park, Shang Mu Gu Villiage, Pinghu Street, Longgang District, Shenzhen City, Guangdong Province, 518000, China

**Manufacturer:** Shenzhen Golden Vision Technology Development Co., Ltd  
**Address of Manufacturer:** No.6 Bao Fu Road, Bao Lai industrial Park, Shang Mu Gu Villiage, Pinghu Street, Longgang District, Shenzhen City, Guangdong Province, 518000, China

**Factory:** Shenzhen Golden Vision Technology Development Co., Ltd  
**Address of Factory:** Shenzhen Golden Vision Technology Development Co., Ltd  
No.6 Bao Fu Road, Bao Lai industrial Park, Shang Mu Gu Villiage, Pinghu Street, Longgang District, Shenzhen City, Guangdong Province, 518000, China

## Equipment Under Test (EUT)

**Product Name:** Baby monitor  
**Model No.:** B1D, B2D, B3D, B4D, B5D, B6D, B7D, B8D, B9D, B10D  
**FCC ID:** 2APD7-B2D  
**Applicable standards:** FCC CFR Title 47 Part 15 Subpart C Section 15.247  
**Date of sample receipt:** 2024-10-25  
**Date of Test:** 2025-02-25 to 2025-03-10  
**Date of report issued:** 2025-03-10  
**Test Result :** PASS \*

\* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

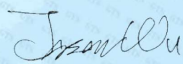


**Robinson Luo**  
**Laboratory Manager**

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

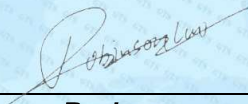
**2 Version**

| Version No.      | Date       | Description |
|------------------|------------|-------------|
| GTSL202410046F01 | 2025-03-10 | Original    |
|                  |            |             |
|                  |            |             |
|                  |            |             |

**Prepared By:****Date:**

2025-03-10

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**Project Engineer****Check By:****Date:**

2025-03-10

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**Reviewer**

## 3 Contents

|                                                  | Page |
|--------------------------------------------------|------|
| 1 COVER PAGE .....                               | 1    |
| 2 VERSION .....                                  | 2    |
| 3 CONTENTS .....                                 | 3    |
| 4 TEST SUMMARY .....                             | 4    |
| 5 GENERAL INFORMATION .....                      | 5    |
| 5.1 GENERAL DESCRIPTION OF EUT .....             | 5    |
| 5.2 TEST MODE .....                              | 7    |
| 5.3 DESCRIPTION OF SUPPORT UNITS .....           | 7    |
| 5.4 DEVIATION FROM STANDARDS .....               | 7    |
| 5.5 ABNORMALITIES FROM STANDARD CONDITIONS ..... | 7    |
| 5.6 TEST FACILITY .....                          | 7    |
| 5.7 TEST LOCATION .....                          | 7    |
| 5.8 ADDITIONAL INSTRUCTIONS .....                | 7    |
| 6 TEST INSTRUMENTS LIST .....                    | 8    |
| 7 TEST RESULTS AND MEASUREMENT DATA .....        | 10   |
| 7.1 ANTENNA REQUIREMENT .....                    | 10   |
| 7.2 CONDUCTED EMISSIONS .....                    | 11   |
| 7.3 CONDUCTED OUTPUT POWER .....                 | 12   |
| 7.4 CHANNEL BANDWIDTH .....                      | 14   |
| 7.5 POWER SPECTRAL DENSITY .....                 | 16   |
| 7.6 BAND EDGES .....                             | 18   |
| 7.7 SPURIOUS EMISSION .....                      | 19   |
| 7.7.1 Conducted Emission Method .....            | 19   |
| 7.7.2 Radiated Emission Method .....             | 21   |
| 8 TEST SETUP PHOTO .....                         | 36   |
| 9 EUT CONSTRUCTIONAL DETAILS .....               | 36   |

## 4 Test Summary

| Test Item                        | Section in CFR 47 | Result |
|----------------------------------|-------------------|--------|
| Antenna requirement              | 15.203/15.247 (c) | Pass   |
| AC Power Line Conducted Emission | 15.207            | Pass   |
| Conducted Output Power           | 15.247 (b)(3)     | Pass   |
| Channel Bandwidth                | 15.247 (a)(2)     | Pass   |
| Power Spectral Density           | 15.247 (e)        | Pass   |
| Band Edge                        | 15.247(d)         | Pass   |
| Spurious Emission                | 15.205/15.209     | Pass   |

### Remarks:

1. Pass: The EUT complies with the essential requirements in the standard.
2. N/A: Not applicable.
3. Test according to ANSI C63.10:2013

### Measurement Uncertainty

| No. | Item                             | Measurement Uncertainty               |
|-----|----------------------------------|---------------------------------------|
| 1   | Radio Frequency                  | $\pm 7.25 \times 10^{-8}$             |
| 2   | Duty cycle                       | $\pm 0.37\%$                          |
| 3   | Occupied Bandwidth               | $\pm 3\%$                             |
| 4   | RF conducted power               | $\pm 0.75\text{dB}$                   |
| 5   | RF power density                 | $\pm 3\text{dB}$                      |
| 6   | Conducted Spurious emissions     | $\pm 2.58\text{dB}$                   |
| 7   | AC Power Line Conducted Emission | $\pm 3.44\text{dB}$ (0.15MHz ~ 30MHz) |
| 8   | Radiated Spurious emission test  | $\pm 3.1\text{dB}$ (9kHz-30MHz)       |
|     |                                  | $\pm 3.8039\text{dB}$ (30MHz-200MHz)  |
|     |                                  | $\pm 3.9679\text{dB}$ (200MHz-1GHz)   |
|     |                                  | $\pm 4.29\text{dB}$ (1GHz-18GHz)      |
|     |                                  | $\pm 3.30\text{dB}$ (18GHz-40GHz)     |
| 9   | Temperature test                 | $\pm 1^\circ\text{C}$                 |
| 10  | Humidity test                    | $\pm 3\%$                             |
| 11  | Time                             | $\pm 3\%$                             |

## 5 General Information

### 5.1 General Description of EUT

|                      |                                              |
|----------------------|----------------------------------------------|
| Product Name:        | Baby monitor                                 |
| Model No.:           | B2D                                          |
| Serial No.:          | B1D, B3D, B4D, B5D, B6D, B7D, B8D, B9D, B10D |
| Hardware version:    | N/A                                          |
| Software version:    | N/A                                          |
| Test sample(s) ID:   | GTSL202410046F01                             |
| Sample(s) Status:    | Engineer sample                              |
| Operation Frequency: | 906MHz~926MHz                                |
| Channel Numbers:     | 6                                            |
| Channel Separation:  | 5MHz                                         |
| Modulation Type:     | GFSK                                         |
| Antenna Type:        | PCB Antenna                                  |
| Antenna Gain:        | 0.92dBi                                      |
| Power Supply:        | DC power modules DC5V                        |

Remark:

1. Antenna gain information provided by the customer
2. The relevant information of the sample is provided by the entrusting company, and the laboratory is not responsible for its authenticity.

| Operation Frequency each of channel |                 |         |                 |         |                 |         |                 |
|-------------------------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| Channel                             | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 1                                   | 906MHz          | 4       | 918MHz          |         |                 |         |                 |
| 2                                   | 910MHz          | 5       | 922MHz          |         |                 |         |                 |
| 3                                   | 914MHz          | 6       | 926MHz          |         |                 |         |                 |

Test CH

| Channel             | Frequency (MHz) |
|---------------------|-----------------|
| The lowest channel  | 906MHz          |
| The middle channel  | 916MHz          |
| The Highest channel | 926MHz          |

## 5.2 Test mode

|                   |                                                |
|-------------------|------------------------------------------------|
| Transmitting mode | Keep the EUT in continuously transmitting mode |
|-------------------|------------------------------------------------|

## 5.3 Description of Support Units

| Manufacturer                                           | Description      | Model      | Serial Number |
|--------------------------------------------------------|------------------|------------|---------------|
| Shenzhen Golden Vision Technology Development Co., Ltd | DC power modules | UL050100CU | N/A           |

## 5.4 Deviation from Standards

|       |
|-------|
| None. |
|-------|

## 5.5 Abnormalities from Standard Conditions

|       |
|-------|
| None. |
|-------|

## 5.6 Test Facility

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

- **FCC—Registration No.: 381383**

Designation Number: CN5029

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files.

- **ISED—Registration No.: 9079A**

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of ISED for radio equipment testing

- **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

## 5.7 Test Location

|                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All tests were performed at:                                                                                                                                                                                                                        |
| Global United Technology Services Co., Ltd.<br>Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102<br>Tel: 0755-27798480<br>Fax: 0755-27798960 |

## 5.8 Additional Instructions

|                   |                                                |
|-------------------|------------------------------------------------|
| Test Software     | Continuous transmitter provide by manufacturer |
| Power level setup | Default                                        |

## 6 Test Instruments list

| Radiated Emission: |                                     |                                |                       |               |                     |                         |
|--------------------|-------------------------------------|--------------------------------|-----------------------|---------------|---------------------|-------------------------|
| Item               | Test Equipment                      | Manufacturer                   | Model No.             | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1                  | 3m Semi- Anechoic Chamber           | ZhongYu Electron               | 9.2(L)*6.2(W)* 6.4(H) | GTS250        | Jun. 22, 2024       | Jun. 21, 2027           |
| 2                  | Control Room                        | ZhongYu Electron               | 6.2(L)*2.5(W)* 2.4(H) | GTS251        | N/A                 | N/A                     |
| 3                  | EMI Test Receiver                   | Rohde & Schwarz                | ESU26                 | GTS203        | Apr. 11, 2024       | Apr. 10, 2025           |
| 4                  | BiConiLog Antenna                   | SCHWARZBECK<br>MESS-ELEKTRONIK | VULB9168              | GTS640        | Mar. 19, 2023       | Mar. 18, 2025           |
| 5                  | Double -ridged waveguide horn       | SCHWARZBECK<br>MESS-ELEKTRONIK | BBHA 9120 D           | GTS208        | Apr. 17, 2023       | Apr. 16, 2025           |
| 6                  | Wideband Radio Communication Tester | Rohde & Schwarz                | CMW500                | GTS575        | Apr. 11, 2024       | Apr. 10, 2025           |
| 7                  | Loop Antenna                        | ZHINAN                         | ZN30900A              | GTS534        | Nov.12, 2024        | Nov.11, 2025            |
| 8                  | Broadband Preamplifier              | SCHWARZBECK                    | BBV9718               | GTS535        | Apr. 11, 2024       | Apr. 10, 2025           |
| 9                  | Amplifier(1GHz-26.5GHz)             | HP                             | 8449B                 | GTS601        | Apr. 11, 2024       | Apr. 10, 2025           |
| 10                 | Horn Antenna (15GH-40GHz)           | SCHWARZBECK                    | 01296                 | GTS691        | Mar. 07, 2024       | Mar. 06, 2025           |
| 11                 | FSV·Signal Analyzer (10Hz-40GHz)    | Keysight                       | FSV-40-N              | GTS666        | Mar. 12, 2024       | Mar. 11, 2025           |
| 12                 | Amplifier                           | /                              | LNA-1000-30S          | GTS650        | Apr. 11, 2024       | Apr. 10, 2025           |
| 13                 | CDNE M2+M3-16A                      | HCT                            | 30MHz-300MHz          | GTS692        | Nov. 07, 2024       | Nov. 06, 2025           |
| 14                 | Wideband Amplifier                  | /                              | WDA-01004000-15P35    | GTS602        | Apr. 11, 2024       | Apr. 10, 2025           |
| 15                 | Thermo meter                        | JINCHUANG                      | GSP-8A                | GTS643        | Apr. 18, 2024       | Apr. 17, 2025           |
| 16                 | RE cable 1                          | GTS                            | N/A                   | GTS675        | Jul. 02, 2024       | Jul. 01, 2025           |
| 17                 | RE cable 2                          | GTS                            | N/A                   | GTS676        | Jul. 02, 2024       | Jul. 01, 2025           |
| 18                 | RE cable 3                          | GTS                            | N/A                   | GTS677        | Jul. 02, 2024       | Jul. 01, 2025           |
| 19                 | RE cable 4                          | GTS                            | N/A                   | GTS678        | Jul. 02, 2024       | Jul. 01, 2025           |
| 20                 | RE cable 5                          | GTS                            | N/A                   | GTS679        | Jul. 02, 2024       | Jul. 01, 2025           |
| 21                 | RE cable 6                          | GTS                            | N/A                   | GTS680        | Jul. 02, 2024       | Jul. 01, 2025           |
| 22                 | RE cable 7                          | GTS                            | N/A                   | GTS681        | Jul. 05, 2024       | Jul. 04, 2025           |
| 23                 | RE cable 8                          | GTS                            | N/A                   | GTS682        | Jul. 05, 2024       | Jul. 04, 2025           |
| 24                 | EMI Test Software                   | AUDIX                          | E3-6.100614a          | GTS725        | N/A                 | N/A                     |

| Conducted Emission |                      |                         |                      |               |                     |                         |
|--------------------|----------------------|-------------------------|----------------------|---------------|---------------------|-------------------------|
| Item               | Test Equipment       | Manufacturer            | Model No.            | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1                  | Shielding Room       | ZhongYu Electron        | 7.3(L)x3.1(W)x2.9(H) | GTS252        | Jul. 12, 2022       | Jul. 11, 2027           |
| 2                  | EMI Test Receiver    | R&S                     | ESCI 7               | GTS552        | Apr. 11, 2024       | Apr. 10, 2025           |
| 3                  | LISN                 | ROHDE & SCHWARZ         | ENV216               | GTS226        | Apr. 11, 2024       | Apr. 10, 2025           |
| 4                  | Coaxial Cable        | GTS                     | N/A                  | GTS227        | N/A                 | N/A                     |
| 5                  | Thermo meter         | JINCHUANG               | GSP-8A               | GTS642        | Apr. 18, 2024       | Apr. 17, 2025           |
| 6                  | Absorbing clamp      | Elektronik-Feinmechanik | MDS21                | GTS229        | Apr. 11, 2024       | Apr. 10, 2025           |
| 7                  | ISN                  | SCHWARZBECK             | NTFM 8158            | GTS565        | Apr. 11, 2024       | Apr. 10, 2025           |
| 8                  | High voltage probe   | SCHWARZBECK             | TK9420               | GTS537        | Apr. 11, 2024       | Apr. 10, 2025           |
| 9                  | Antenna end assembly | Weinschel               | 1870A                | GTS560        | Apr. 11, 2024       | Apr. 10, 2025           |
| 10                 | EMI Test Software    | AUDIX                   | E3-6.100622          | GTS726        | N/A                 | N/A                     |

| RF Conducted Test: |                                                |              |                  |            |                     |                         |
|--------------------|------------------------------------------------|--------------|------------------|------------|---------------------|-------------------------|
| Item               | Test Equipment                                 | Manufacturer | Model No.        | Serial No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1                  | MXA Signal Analyzer                            | Agilent      | N9020A           | GTS566     | Apr. 13, 2024       | Apr. 12, 2025           |
| 2                  | EMI Test Receiver                              | R&S          | ESCI 7           | GTS552     | Apr. 13, 2024       | Apr. 12, 2025           |
| 3                  | PSA Series Spectrum Analyzer                   | Agilent      | E4440A           | GTS536     | Apr. 13, 2024       | Apr. 12, 2025           |
| 4                  | MXG vector Signal Generator                    | Agilent      | N5182A           | GTS567     | Apr. 13, 2024       | Apr. 12, 2025           |
| 5                  | ESG Analog Signal Generator                    | Agilent      | E4428C           | GTS568     | Apr. 13, 2024       | Apr. 12, 2025           |
| 6                  | USB RF Power Sensor                            | DARE         | RPR3006W         | GTS569     | Apr. 13, 2024       | Apr. 12, 2025           |
| 7                  | RF Switch Box                                  | Shongyi      | RFSW3003328      | GTS571     | Apr. 13, 2024       | Apr. 12, 2025           |
| 8                  | Programmable Constant Temp & Humi Test Chamber | WEWON        | WHTH-150L-40-880 | GTS572     | Apr. 13, 2024       | Apr. 12, 2025           |
| 9                  | Thermo meter                                   | JINCHUANG    | GSP-8A           | GTS641     | Apr. 18, 2024       | Apr. 17, 2025           |

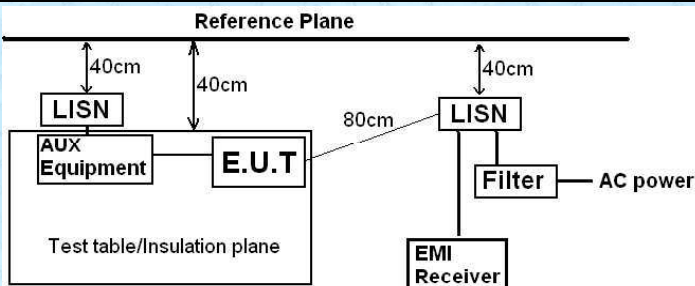
| General used equipment: |                |              |           |               |                     |                         |
|-------------------------|----------------|--------------|-----------|---------------|---------------------|-------------------------|
| Item                    | Test Equipment | Manufacturer | Model No. | Inventory No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) |
| 1                       | Barometer      | KUMAO        | SF132     | GTS647        | Apr. 18, 2024       | Apr. 17, 2025           |

## 7 Test results and Measurement Data

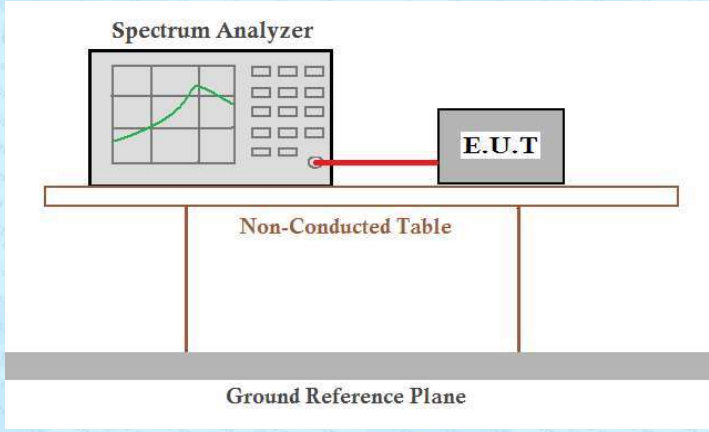
### 7.1 Antenna requirement

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>Standard requirement:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FCC Part15 C Section 15.203 /247(c) |
| <b>15.203 requirement:</b><br>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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. |                                     |
| <b>15.247(c) (1)(i) requirement:</b><br>(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.                                                                                |                                     |
| <b>E.U.T Antenna:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |
| The antenna is PCB antenna, the antenna gain are 0.92dBi, reference to the appendix II for details.                                                                                                                                                                                                                                                                                                                                                                              |                                     |

## 7.2 Conducted Emissions

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |              |     |           |     |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------|-----|-----------|-----|
| Test Requirement:                                | FCC Part15 C Section 15.207                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |              |     |           |     |
| Test Method:                                     | ANSI C63.10:2013 6.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |              |     |           |     |
| Test Frequency Range:                            | 150KHz to 30MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |              |     |           |     |
| Class / Severity:                                | Class B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |              |     |           |     |
| Receiver setup:                                  | RBW=9KHz, VBW=30KHz, Sweep time=auto                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |              |     |           |     |
| Limit:                                           | Frequency range (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     | Limit (dBuV) |     |           |     |
|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     | Quasi-peak   |     | Average   |     |
|                                                  | 0.15-0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     | 66 to 56*    |     | 56 to 46* |     |
|                                                  | 0.5-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     | 56           |     | 46        |     |
|                                                  | 5-30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     | 60           |     | 50        |     |
| * Decreases with the logarithm of the frequency. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |              |     |           |     |
| Test setup:                                      | <div><p style="text-align: center;"><b>Reference Plane</b></p><p>Remark:<br/>E.U.T: Equipment Under Test<br/>LISN: Line Impedance Stabilization Network<br/>Test table height=0.8m</p></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |              |     |           |     |
| Test procedure:                                  | <div><div>1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</div><div>2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</div><div>3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.</div></div> |     |              |     |           |     |
| Test Instruments:                                | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |              |     |           |     |
| Test mode:                                       | Refer to section 5.2 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |              |     |           |     |
| Test environment:                                | Temp.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | N/A | Humid.:      | N/A | Press.:   | N/A |
| Test voltage:                                    | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |              |     |           |     |
| Test results:                                    | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |              |     |           |     |

### 7.3 Conducted Output Power

|                   |                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (b)(3)                                                                                                                                                                                                                                                                                                                       |
| Test Method:      | ANSI C63.10:2013 11.9.1.3                                                                                                                                                                                                                                                                                                                                |
| Limit:            | 30dBm                                                                                                                                                                                                                                                                                                                                                    |
| Test setup:       |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.</p> |
| Test Instruments: | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                         |
| Test mode:        | Refer to section 5.2 for details                                                                                                                                                                                                                                                                                                                         |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                     |

#### Measurement Data

| Test channel | Peak Output Power (dBm) | Limit(dBm) | Result |
|--------------|-------------------------|------------|--------|
| Lowest       | 7.103                   | 30.00      | Pass   |
| Middle       | 7.938                   |            |        |
| Highest      | 8.391                   |            |        |

Test plot as follows:

Lowest channel



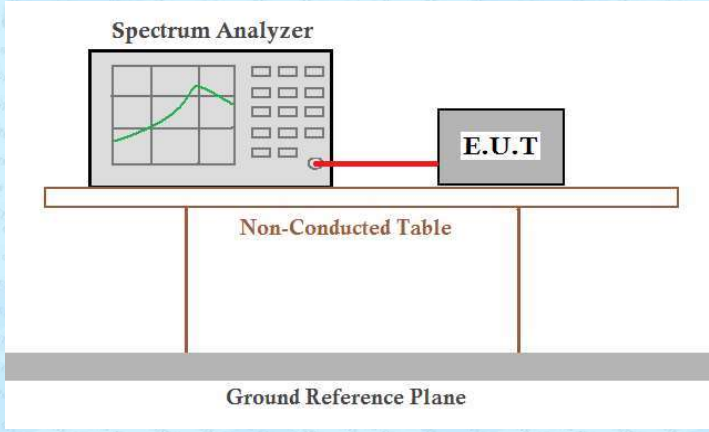
Middle channel



Highest channel



## 7.4 Channel Bandwidth

|                   |                                                                                    |
|-------------------|------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (a)(2)                                                 |
| Test Method:      | ANSI C63.10:2013 11.8                                                              |
| Limit:            | Channel Bandwidth >500KHz                                                          |
| Test setup:       |  |
| Test Instruments: | Refer to section 6.0 for details                                                   |
| Test mode:        | Refer to section 5.2 for details                                                   |
| Test results:     | Pass                                                                               |

### Measurement Data

| Test channel | Channel Bandwidth (MHz) | Limit(KHz) | Result |
|--------------|-------------------------|------------|--------|
| Lowest       | 3.691                   | >500       | Pass   |
| Middle       | 3.680                   |            |        |
| Highest      | 3.701                   |            |        |

Test plot as follows:

Lowest channel



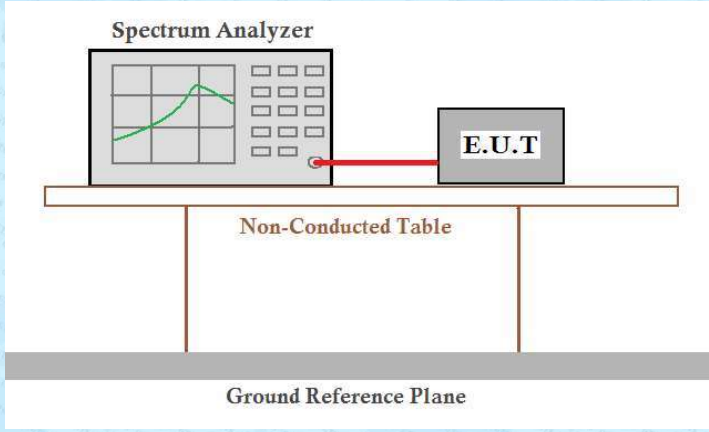
Middle channel



Highest channel



## 7.5 Power Spectral Density

|                   |                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (e)                                                                                                                                                                                                                                                                                                                            |
| Test Method:      | ANSI C63.10:2013 11.10                                                                                                                                                                                                                                                                                                                                     |
| Limit:            | 8dBm/3kHz                                                                                                                                                                                                                                                                                                                                                  |
| Test setup:       |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.</p> |
| Test Instruments: | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                           |
| Test mode:        | Refer to section 5.2 for details                                                                                                                                                                                                                                                                                                                           |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                       |

### Measurement Data

| Test channel | Power Spectral Density (dBm/3kHz) | Limit(dBm/3kHz) | Result |
|--------------|-----------------------------------|-----------------|--------|
| Lowest       | -17.626                           | 8.00            | Pass   |
| Middle       | -17.827                           |                 |        |
| Highest      | -18.533                           |                 |        |

**Test plot as follows:**

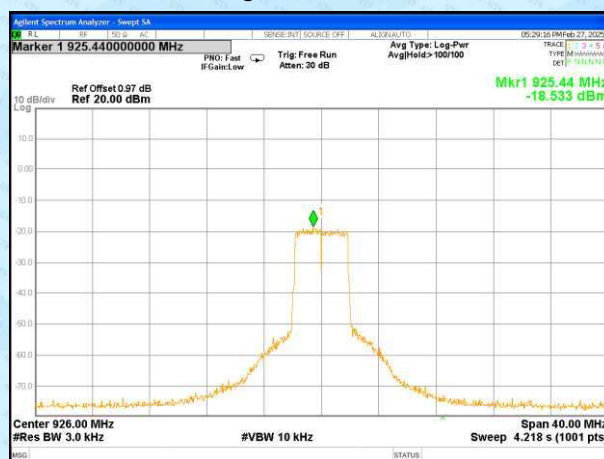
Lowest channel



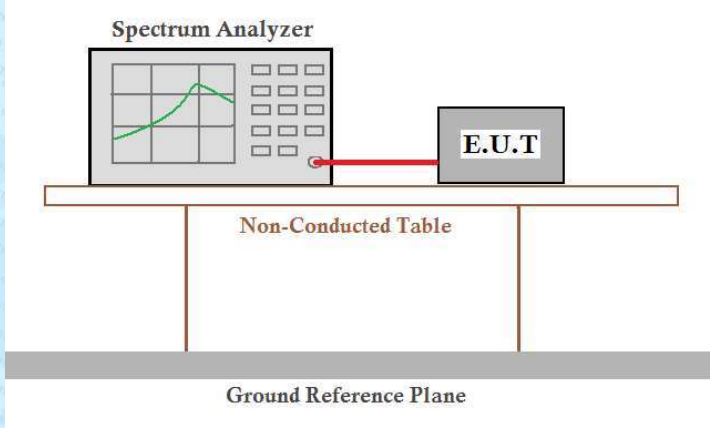
### Middle channel



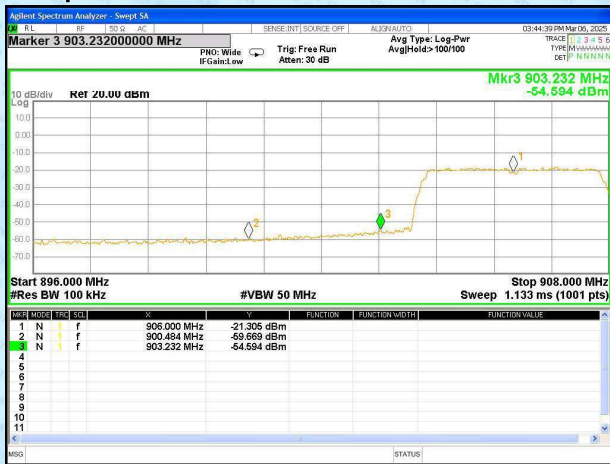
Highest channel



## 7.6 Band edges

|                   |                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                         |
| Test Method:      | ANSI C63.10:2013 11.11                                                                                                                                                                                                                                                                                                                                                                  |
| Limit:            | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. |
| Test setup:       |                                                                                                                                                                                                                                                                                                      |
| Test Instruments: | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                                                        |
| Test mode:        | Refer to section 5.2 for details                                                                                                                                                                                                                                                                                                                                                        |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                    |

### Test plot as follows:



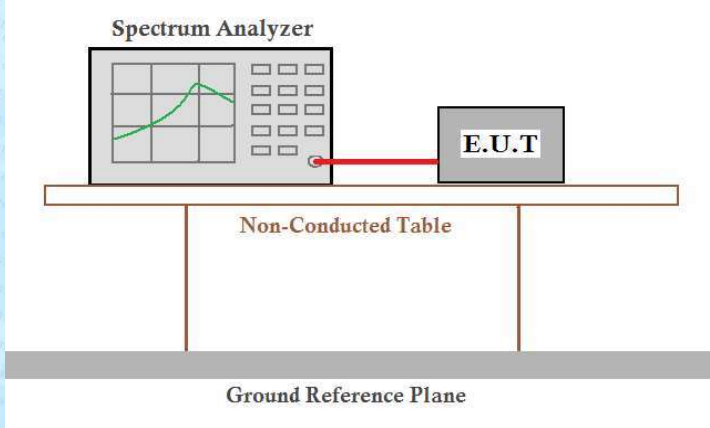
Lowest channel



Highest channel

## 7.7 Spurious Emission

### 7.7.1 Conducted Emission Method

|                   |                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                         |
| Test Method:      | ANSI C63.10:2013 11.11                                                                                                                                                                                                                                                                                                                                                                  |
| Limit:            | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. |
| Test setup:       |  <p>The diagram illustrates the test setup for conducted emission testing. A Spectrum Analyzer is connected via a red cable to an E.U.T (Equipment Under Test). Both are placed on a Non-Conducted Table, which sits on a Ground Reference Plane.</p>                                                |
| Test Instruments: | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                                                        |
| Test mode:        | Refer to section 5.2 for details                                                                                                                                                                                                                                                                                                                                                        |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                    |

Test plot as follows:  
Lowest channel



30MHz~25GHz

Middle channel



30MHz~25GHz

Highest channel



30MHz~25GHz