# FCC C2PC Test Report

| | | |
|---|---|---|
| **FCC ID** | : | **HDC-17600074** |
| **Equipment** | : | **WiFi 7 10G Router** |
| **Model No.** | : | **SDG-8733, SDG-8734, SDG-8733v, SDG-8734v**<br>**(Please refer to section 1.1.1 for more details)** |
| **Brand Name** | : | **Adtran** |
| **Applicant** | : | **Adtran** |
| **Address** | : | **901 Explorer Boulevard, Huntsville, Alabama, United States, 35806-2807** |
| **Standard** | : | **47 CFR FCC Part 15.247** |
| **Received Date** | : | **May 30, 2024** |
| **Tested Date** | : | **Jun. 03 ~ Jun. 11, 2024** |

**We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.**

| **Reviewed by:** | **Approved by:** |
|---|---|
| **Along Chen / Assistant Manager** | **Gary Chang / Manager** |

# Table of Contents

# Release Record

| Report No. | Version | Description | Issued Date |
|---|---|---|---|
| FR431301-01AC | Rev. 01 | Initial issue | Oct. 08, 2024 |

# Summary of Test Results

| FCC Rules | Test Items | Measured | Result |
|---|---|---|---|
| 15.207 | AC Power Line Conducted Emission | [dBuV]: 0.383MHz<br>44.25 (Margin -3.96dB) - AV | Pass |
| 15.247(d)<br>15.209 | Unwanted Emissions | [dBuV/m at 3m]: 2390.00MHz<br>53.88 (Margin -0.12dB) – AV | Pass |

| **Declaration of Conformity:** |
|---|
| The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. |
| **Comments and Explanations:** |
| The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification. |

# 1 General Description

## 1.1 Information

This report is prepared for FCC class II change.
This report is issued as a supplementary report to the original project no. FR431301AC. The difference is concerned with following items:

- ✧ Adding two models for configurations with VoIP function
- ✧ Version of I/O board is changed from V02 to V03.

Conducted emission and radiated emission tests had been re-tested and only its data was presented in the following sections.

### 1.1.1 Product Details (Adding models were marked in boldface.)

The following models are provided to this EUT.

| Brand Name | Model Name | Product Name | Description |
|---|---|---|---|
| Adtran | SDG-8733 | WiFi 7 10G Router | W/O VOIP, With 10G RJ45 WAN Port |
| | SDG-8734 | WiFi 7 10G Router | W/O VOIP, With 10G SFP WAN Port |
| | **SDG-8733v** | **WiFi 7 10G Router** | **W/ VOIP, With 10G RJ45 WAN Port** |
| | **SDG-8734v** | **WiFi 7 10G Router** | **W/ VOIP, With 10G SFP WAN Port** |

### 1.1.2 Specification of the Equipment under Test (EUT)

| RF General Information | | | | | |
|---|---|---|---|---|---|
| **Frequency Range (MHz)** | **IEEE Std. 802.11** | **Ch. Freq. (MHz)** | **Channel Number** | **Transmit Chains ($N_{TX}$)** | **Data Rate / MCS** |
| 2400-2483.5 | b | 2412-2462 | 1-11 [11] | 4 | 1-11 Mbps |
| 2400-2483.5 | g | 2412-2462 | 1-11 [11] | 4 | 6-54 Mbps |
| 2400-2483.5 | n (HT20) | 2412-2462 | 1-11 [11] | 4 | MCS 0-31 |
| 2400-2483.5 | n (HT40) | 2422-2452 | 3-9 [7] | 4 | MCS 0-31 |
| 2400-2483.5 | ax (HE20) | 2412-2462 | 1-11 [11] | 4 | MCS 0-11 |
| 2400-2483.5 | ax (HE40) | 2422-2452 | 3-9 [7] | 4 | MCS 0-11 |
| 2400-2483.5 | be (EHT20) | 2412-2462 | 1-11 [11] | 4 | MCS 0-13 |
| 2400-2483.5 | be (EHT40) | 2422-2452 | 3-9 [7] | 4 | MCS 0-13 |
| Note 1: RF output power specifies that Maximum Conducted (Average) Output Power.<br>Note 2: DSSS-DBPSK, DQPSK, CCK modulation<br>OFDM / OFDMA- BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM and 4096QAM modulation. | | | | | |

### 1.1.3 Antenna Details

| Ant. No. | Model | Type | Connector | Operating Frequencies (MHz) / Antenna Gain (dBi) | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | 2400~2483.5 | 5150~5250 | 5250~5350 | 5470~5725 | 5725 ~ 5850 |
| 1 | DB1 | Dipole | UFL | 3.948 | 5.688 | 5.607 | 5.316 | 4.309 |
| 2 | DB2 | Dipole | UFL | 4.92 | 4.627 | 4.569 | 5.03 | 5.17 |
| 3 | DB3 | Dipole | UFL | 3.842 | 4.597 | 5.481 | 6.018 | 4.796 |
| 4 | DB4 | Dipole | UFL | 5.006 | 6.346 | 6.51 | 5.997 | 5.982 |
| 5 | SM-DFS | Dipole | UFL | 4.092 | 5.909 | 5.909 | 5.159 | 5.526 |

### 1.1.4 Configuration of Equipment under Test (EUT)

| | | |
|---|---|---|
| **Power Supply Type** | 15Vdc from adapter | |
| **Beamforming** | ☒ Support | ☐ Not support |
| **RU Configuration** | ☒ Full RU | ☐ Partial RU |

### 1.1.5 Accessories

| Accessories | | |
|---|---|---|
| **No.** | **Equipment** | **Description** |
| 1 | AC adapter | Brand: LUCENT TRANS<br>Model: 1A78<br>I/P: 100-240Vac, 50/60Hz, 1.2A<br>O/P: 15V⎓ 3.0A, 45.0W<br>Power Line: USB 1.8m non-shielded without core |
| 2 | AC adapter | Brand: PHIHONG<br>Model: AA45A-59FKD<br>I/P: 100-240Vac, 50/60Hz, 1.2A<br>O/P: 15V⎓3.0A, 45.0W<br>Power Line: USB 1.8m non-shielded without core |
| 3 | RJ45 | 2m non-shielded without core |

### 1.1.6 Channel List

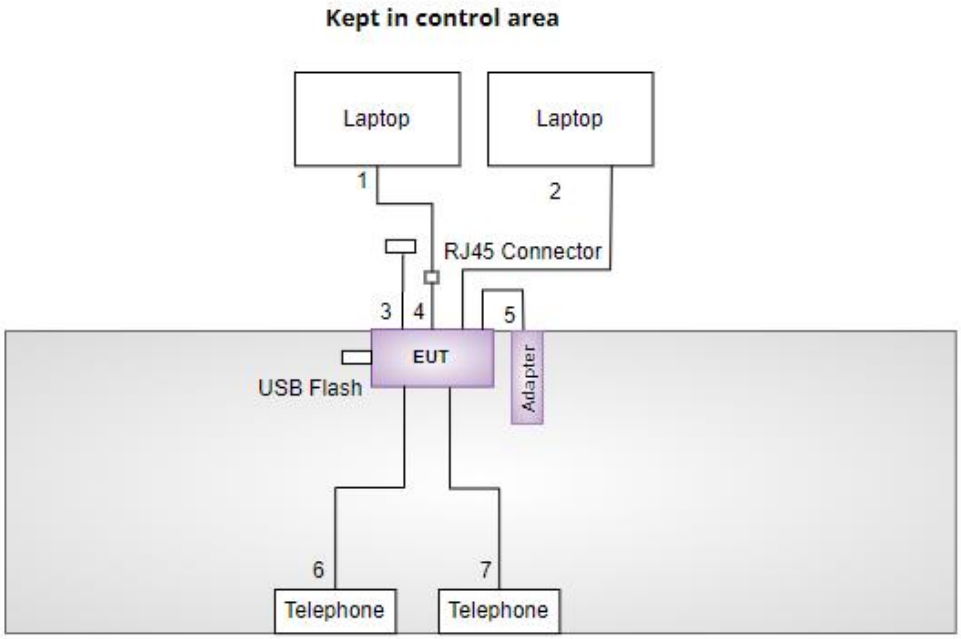
| Frequency band (MHz) | | 2400~2483.5 | |
|---|---|---|---|
| 802.11 b / g / n HT20 / ax HE20 / be EHT20 | | 802.11n HT40 / ax HE40 / be EHT40 | |
| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
| 1 | 2412 | 3 | 2422 |
| 2 | 2417 | 4 | 2427 |
| 3 | 2422 | 5 | 2432 |
| 4 | 2427 | 6 | 2437 |
| 5 | 2432 | 7 | 2442 |
| 6 | 2437 | 8 | 2447 |
| 7 | 2442 | 9 | 2452 |
| 8 | 2447 | --- | --- |
| 9 | 2452 | --- | --- |
| 10 | 2457 | --- | --- |
| 11 | 2462 | --- | --- |

## 1.2 Local Support Equipment List

| Support Equipment List | | | | | |
|---|---|---|---|---|---|
| **No.** | **Equipment** | **Brand** | **Model** | **FCC ID** | **Remarks** |
| ***Non-beamforming mode - RJ45 WAN*** | | | | | |
| 1 | Laptop | DELL | Latitude 5400 | DoC | --- |
| 2 | Laptop | DELL | Latitude 5400 | DoC | --- |
| 3 | USB Flash | Transcend(USB 3.0) | JetFlash 700 | --- | --- |
| 4 | RJ45 Connector | ICC | --- | --- | --- |
| 5 | RJ45 Load | ICC | --- | --- | --- |
| 6 | Laptop | DELL | Latitude 3440 | DoC | Beamforming mode |
| 7 | WiFi 7 10G Router | Adtran | SDG-8733v | --- | Beamforming mode (Provided by applicant) |
| 8 | Telephone | ISITO | IS-333 | --- | --- |
| 9 | Telephone | ISITO | IS-333 | --- | --- |
| ***Non-beamforming mode - SFP WAN*** | | | | | |
| 1 | Laptop | DELL | Latitude 5400 | DoC | --- |
| 2 | USB Flash | Transcend(USB 3.0) | JetFlash 700 | --- | --- |
| 3 | RJ45 Connector | ICC | --- | --- | --- |
| 4 | RJ45 Load | ICC | --- | --- | --- |
| 5 | Fiber module | MikroTik | S+RJ10 | --- | Provided by applicant |
| 6 | Laptop | DELL | Latitude 3440 | DoC | Beamforming mode |
| 7 | WiFi 7 10G Router | Adtran | SDG-8733 | --- | Beamforming mode (Provided by applicant) |
| 8 | Telephone | ISITO | IS-333 | --- | --- |
| 9 | Telephone | ISITO | IS-333 | --- | --- |

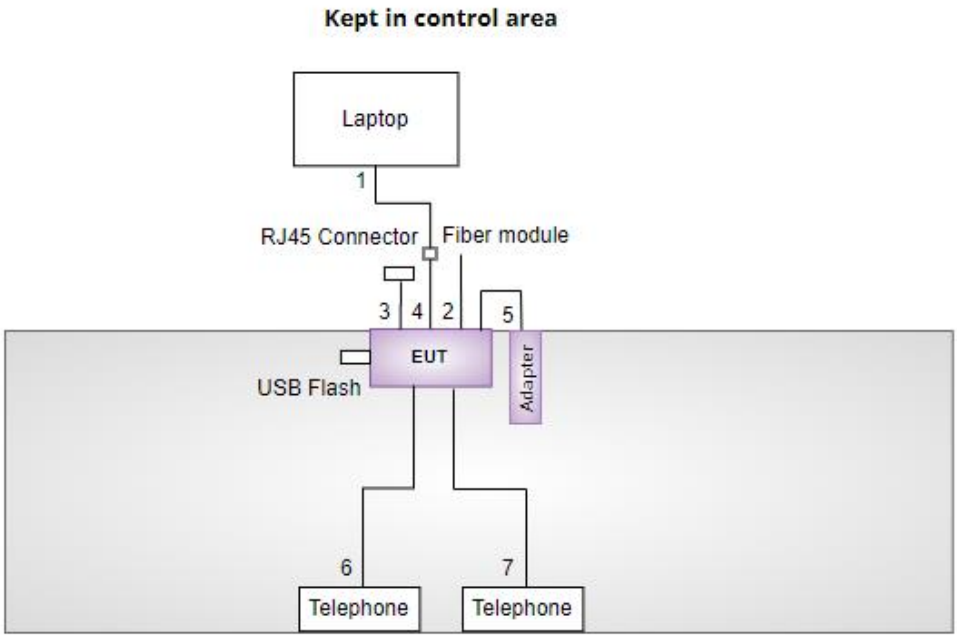
## 1.3 Test Setup Chart

***Non-beamforming mode***

| Test Setup Diagram (RJ45 WAN) |
|---|
|  |



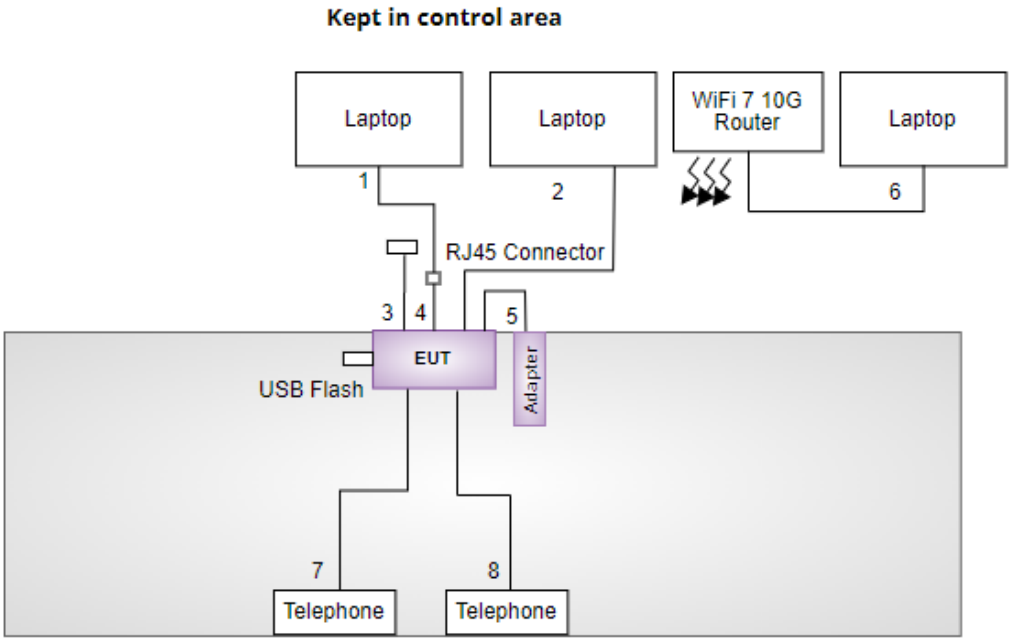
| No. | Signal cable / Length (m) |
|---|---|
| 1-2 | RJ45, 10m non-shielded. |
| 3 | RJ45, 1.3m(x3) non-shielded with load. |
| 4 | RJ45, 2m non-shielded. |
| 5 | USB, 1.8m non-shielded without core |
| 6-7 | RJ11, 1.8m non-shielded. |

| Test Setup Diagram (SFP WAN) |
|---|
|  |



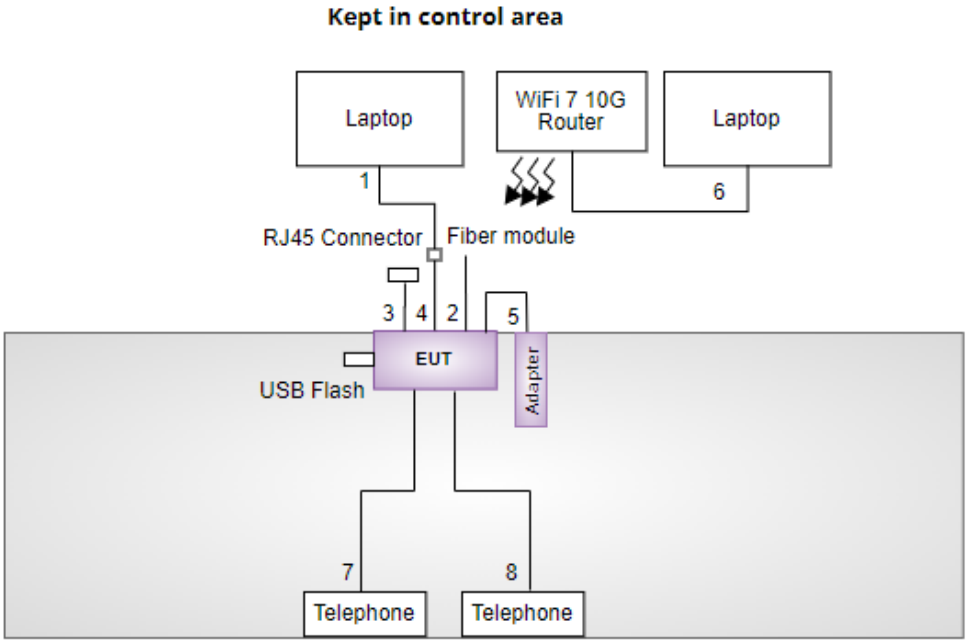
| No. | Signal cable / Length (m) |
|---|---|
| 1 | RJ45, 10m non-shielded. |
| 2 | RJ45, 2m non-shielded. |
| 3 | RJ45, 1.3m(x3) non-shielded with load. |
| 4 | RJ45, 2m non-shielded. |
| 5 | USB, 1.8m non-shielded without core |
| 6-7 | RJ11, 1.8m non-shielded. |

***Beamforming mode***

| Test Setup Diagram (RJ45 WAN) |
|---|
|  |



| No. | Signal cable / Length (m) |
|---|---|
| 1-2 | RJ45, 10m non-shielded. |
| 3 | RJ45, 1.3m(x3) non-shielded with load. |
| 4 | RJ45, 2m non-shielded. |
| 5 | USB, 1.8m non-shielded without core |
| 6 | RJ45, 1.3m non-shielded. |
| 7-8 | RJ11, 1.8m non-shielded. |

| Test Setup Diagram (SFP WAN) |
|---|
|  |



| No. | Signal cable / Length (m) |
|---|---|
| 1 | RJ45, 10m non-shielded. |
| 2 | RJ45, 2m non-shielded. |
| 3 | RJ45, 1.3m(x3) non-shielded with load. |
| 4 | RJ45, 2m non-shielded. |
| 5 | USB, 1.8m non-shielded without core |
| 6 | RJ45, 1.3m non-shielded. |
| 7-8 | RJ11, 1.8m non-shielded. |

## 1.4 The Equipment List

| Test Item | Radiated Emission | | | | |
|---|---|---|---|---|---|
| Test Site | 966 chamber1 / (03CH01-WS) | | | | |
| Tested Date | Jun. 03 ~ Jun. 07, 2024 | | | | |
| **Instrument** | **Brand** | **Model No.** | **Serial No.** | **Calibration Date** | **Calibration Until** |
| Receiver | R&S | ESR3 | 101657 | Mar. 05, 2024 | Mar. 04, 2025 |
| Spectrum Analyzer | R&S | FSV40 | 101498 | Nov. 23, 2023 | Nov. 22, 2024 |
| Loop Antenna | R&S | HFH2-Z2 | 100330 | Oct. 31, 2023 | Oct. 30, 2024 |
| Bilog Antenna | SCHWARZBECK | VULB9168 | VULB9168-522 | Jul. 31, 2023 | Jul. 30, 2024 |
| Horn Antenna 1G-18G | SCHWARZBECK | BBHA 9120 D | BBHA 9120 D 1096 | Nov. 27, 2023 | Nov. 26, 2024 |
| Horn Antenna 18G-40G | SCHWARZBECK | BBHA 9170 | BBHA 9170517 | Oct. 30, 2023 | Oct. 29, 2024 |
| Preamplifier | EMC | EMC02325 | 980225 | Jun. 28, 2023 | Jun. 27, 2024 |
| Preamplifier | EMC | EMC118A45SE | 980898 | Jul. 14, 2023 | Jul. 13, 2024 |
| Preamplifier | EMC | EMC184045SE | 980903 | Jul. 17, 2023 | Jul. 16, 2024 |
| Loop Antenna Cable | KOAX KABEL | 101354-BW | 101354-BW | Oct. 03, 2023 | Oct. 02, 2024 |
| LF cable 3M | Woken | CFD400NL-LW | CFD400NL-001 | Oct. 03, 2023 | Oct. 02, 2024 |
| LF cable 11M | EMC | EMCCFD400-NW-NW-11000 | 200801 | Oct. 03, 2023 | Oct. 02, 2024 |
| LF cable 1M | EMC | EMCCFD400-NM-NM-1000 | 160502 | Oct. 03, 2023 | Oct. 02, 2024 |
| RF Cable | EMC | EMC104-35M-35M-8000 | 210920 | Oct. 03, 2023 | Oct. 02, 2024 |
| RF Cable | EMC | EMC104-35M-35M-3000 | 210922 | Oct. 03, 2023 | Oct. 02, 2024 |
| Attenuator | Pasternack | PE7005-10 | 10-1 | Oct. 05, 2023 | Oct. 04, 2024 |
| HIGHPASS FILTER 3.1-18G | WHK | WHK3.1/18G-10SS | 39 | Oct. 05, 2023 | Oct. 04, 2024 |
| Measurement Software | AUDIX | e3 | 6.120210g | NA | NA |
| Note: Calibration Interval of instruments listed above is one year. | | | | | |

| Test Item | Conducted Emission | | | | |
|---|---|---|---|---|---|
| Test Site | Conduction room 1 / (CO01-WS) | | | | |
| Tested Date | Jun. 11, 2024 | | | | |
| **Instrument** | **Brand** | **Model No.** | **Serial No.** | **Calibration Date** | **Calibration Until** |
| Receiver | R&S | ESR3 | 101658 | Feb. 23, 2024 | Feb. 22, 2025 |
| LISN | R&S | ENV216 | 101579 | May 09, 2024 | May 08, 2025 |
| RF Cable-CON | Woken | CFD200-NL | CFD200-NL-001 | Oct. 11, 2023 | Oct. 10, 2024 |
| LISN (Support Unit) | SCHWARZBECK | Schwarzbeck 8127 | 8127667 | Jan. 10, 2024 | Jan. 09, 2025 |
| 50 ohm terminal (Support Unit) | NA | 50 | 01 | Jun. 14, 2023 | Jun. 13, 2024 |
| Measurement Software | AUDIX | e3 | 6.120210k | NA | NA |
| Note: Calibration Interval of instruments listed above is one year. | | | | | |

## 1.5 Test Standards

47 CFR FCC Part 15.247
ANSI C63.10-2013

## 1.6 Reference Guidance

FCC KDB 558074 D01 15.247 Meas Guidance v05r02
FCC KDB 662911 D01 Multiple Transmitter Output v02r01

## 1.7 Deviation from Test Standard and Measurement Procedure

None

## 1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

| **Measurement Uncertainty** | |
|---|---|
| **Parameters** | **Uncertainty** |
| Bandwidth | ±34.130 Hz |
| Conducted power | ±0.808 dB |
| Power density | ±0.583 dB |
| Conducted emission | ±2.715 dB |
| AC conducted emission | ±2.92 dB |
| Unwanted Emission ≤ 1GHz | ±3.41 dB |
| Unwanted Emission > 1GHz | ±4.59 dB |

# 2 Test Configuration

## 2.1 Testing Facility

| | |
|---|---|
| **Test Laboratory** | International Certification Corporation |
| **Test Site** | CO01-WS, 03CH01-WS |
| **Address of Test Site** | No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.) |

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

## 2.2 The Worst Test Modes and Channel Details

| Test item | Modulation Mode | Test Frequency (MHz) | Data Rate | Test Configuration |
|---|---|---|---|---|
| ***Non-beamforming mode*** | | | | |
| AC Power Line Conducted Emission | 11b | 2437 | 1 Mbps | 1, 2 |
| Unwanted Emissions ≤ 1GHz | 11b | 2437 | 1 Mbps | 1, 2 |
| Unwanted Emissions >1GHz | 11b<br>11g<br>be EHT20<br>be EHT40 | 2412 / 2437 / 2462<br>2412 / 2437 / 2462<br>2412 / 2437 / 2462<br>2422 / 2437 / 2452 | 1 Mbps<br>6 Mbps<br>MCS 0<br>MCS 0 | 1 |
| ***Beamforming mode*** | | | | |
| AC Power Line Conducted Emission | be EHT20 | 2437 | MCS 0 | 1, 2 |
| Unwanted Emissions ≤1GHz | be EHT20 | 2437 | MCS 0 | 1, 2 |
| Unwanted Emissions >1GHz | be EHT20<br>be EHT40 | 2412 / 2437 / 2462<br>2422 / 2437 / 2452 | MCS 0<br>MCS 0 | 1 |

**NOTE:**

1. Two adapters (LUCENT TRANS & PHIHONG) had been covered during the pretest and found that PHIHONG adapter was the worst case for radiated emission test and LUCENT TRANS adapter was the worst case for conducted emission test.
2. 4 configurations were assessed and found Model: SDG-8733v is worst of configurations with 10G RJ45 Wan port and Model: SDG-8734v is worst of configurations with 10G SFP Wan port.
3. The EUT had been tested by following test configurations.
   1) Configuration 1: Model: SDG-8733v
   2) Configuration 2: Model: SDG-8734v

# 3 Transmitter Test Results

## 3.1 Unwanted Emissions into Restricted Frequency Bands

### 3.1.1 Limit of Unwanted Emissions into Restricted Frequency Bands

| Restricted Band Emissions Limit | | | |
|---|---|---|---|
| **Frequency Range (MHz)** | **Field Strength (uV/m)** | **Field Strength (dBuV/m)** | **Measure Distance (m)** |
| 0.009~0.490 | 2400/F(kHz) | 48.5 - 13.8 | 300 |
| 0.490~1.705 | 24000/F(kHz) | 33.8 - 23 | 30 |
| 1.705~30.0 | 30 | 29 | 30 |
| 30~88 | 100 | 40 | 3 |
| 88~216 | 150 | 43.5 | 3 |
| 216~960 | 200 | 46 | 3 |
| Above 960 | 500 | 54 | 3 |

**Note 1:**
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit
**Note 2:**
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

### 3.1.2 Test Procedures

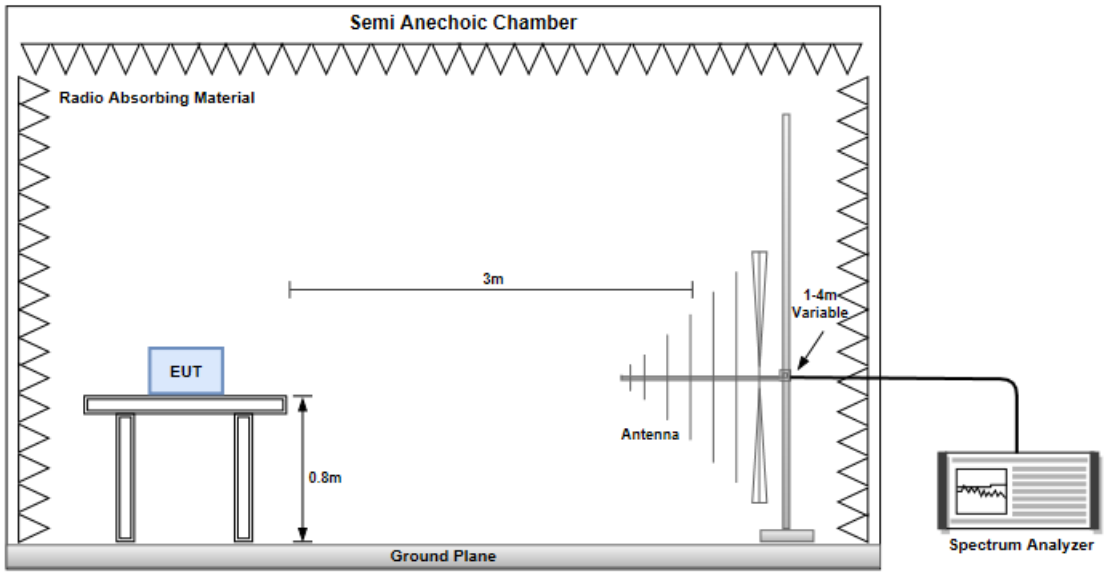
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

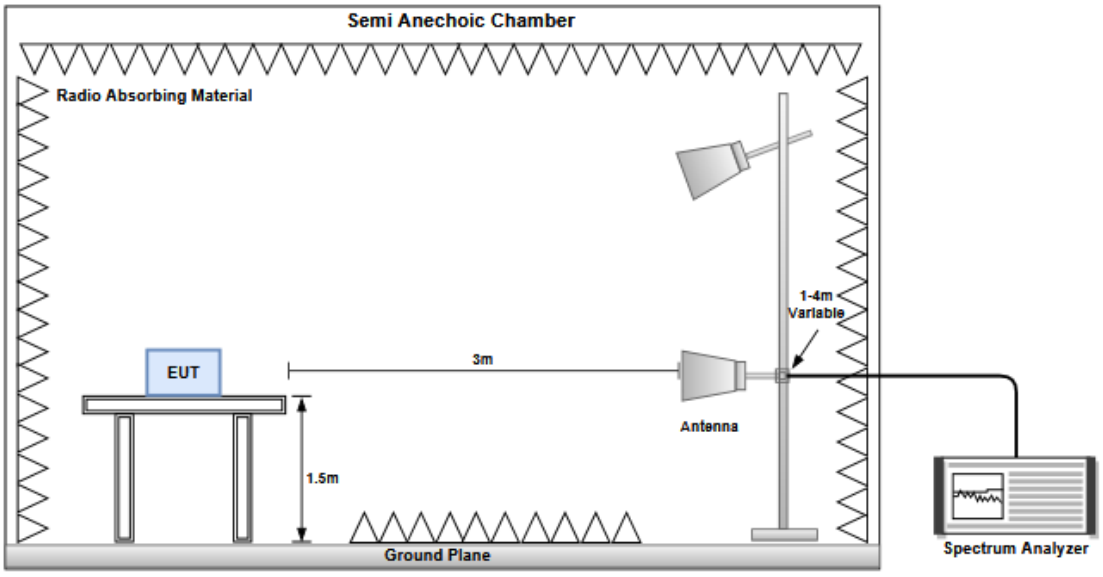
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

### 3.1.3 Test Setup

**Radiated Emissions below 1 GHz**




**Radiated Emissions above 1 GHz**




### 3.1.4 Test Results

Refer to Appendix A.

## 3.2 AC Power Line Conducted Emissions

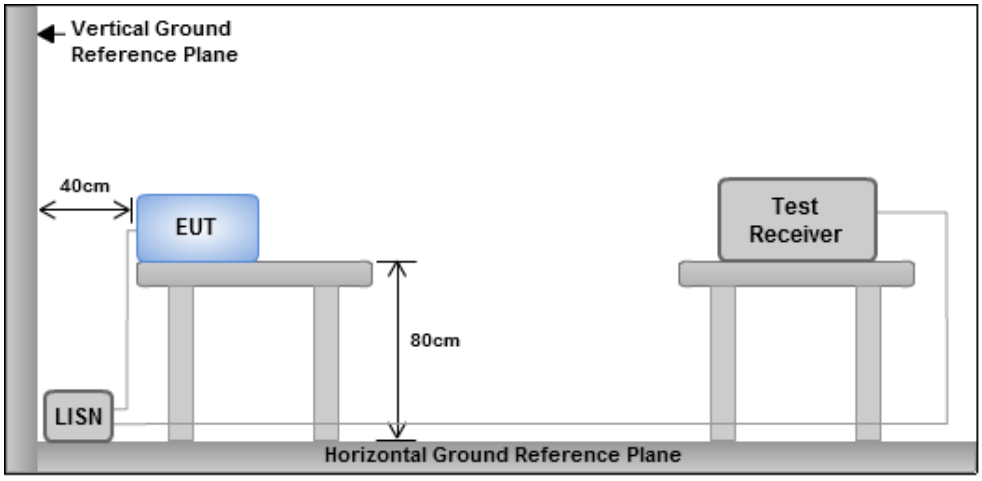
### 3.2.1 Limit of AC Power Line Conducted Emissions

| Conducted Emissions Limit | | |
|---|---|---|
| **Frequency Emission (MHz)** | **Quasi-Peak** | **Average** |
| 0.15-0.5 | 66 - 56 * | 56 - 46 * |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |
| Note 1: * Decreases with the logarithm of the frequency. | | |

### 3.2.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V / 60Hz.

### 3.2.3 Test Setup




Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

### 3.2.4 Test Results

Refer to Appendix B.

# 4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website http://www.icertifi.com.tw.

**Linkou**

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan (R.O.C.)

**Kwei Shan**

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

No.2-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

**Kwei Shan Site II**

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666
Fax: 886-3-318-0345
Email: ICC_Service@icertifi.com.tw

**==END==**

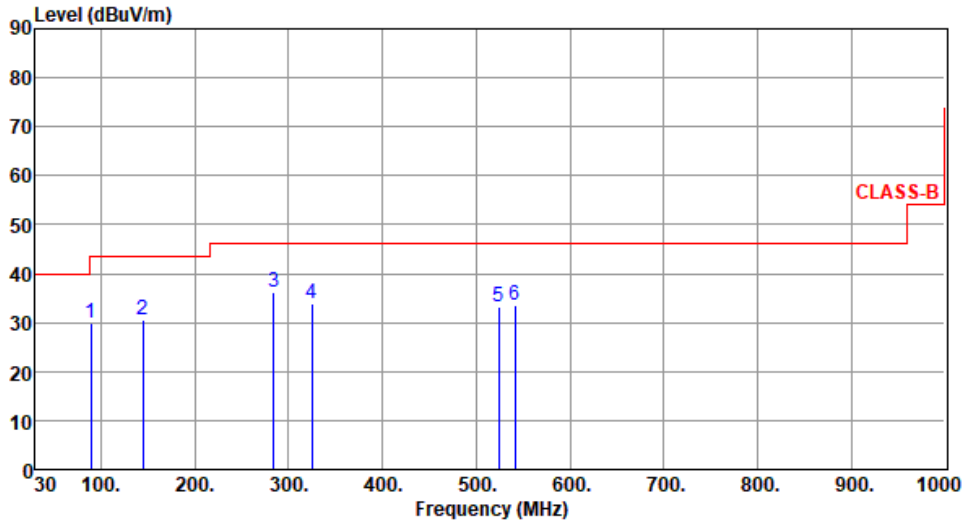
## *Non-beamforming mode*

**Configuration 1: Model: SDG-8733v**

**Unwanted Emissions (Below 1GHz)**

| **Modulation** | 11b | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Allen Lee Temperature(℃):22 Humidity(%):64

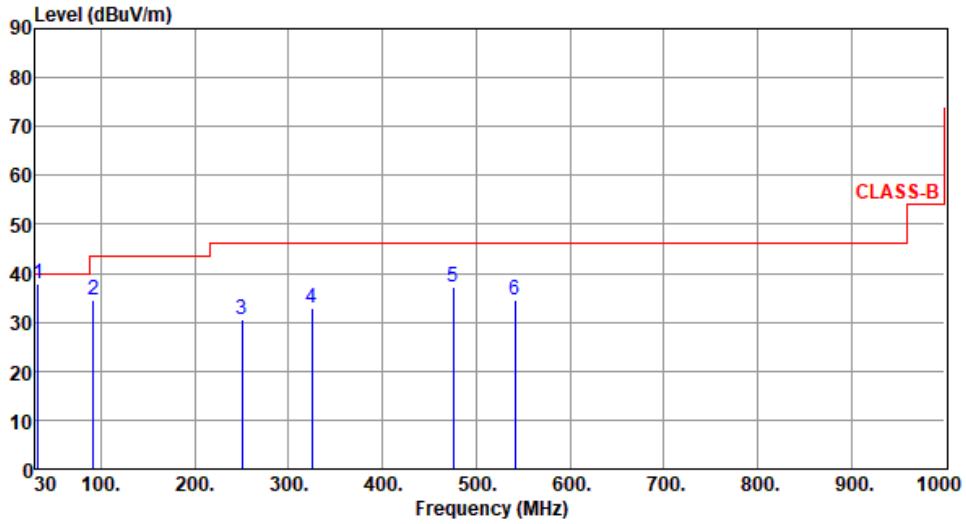



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 88.91 | 29.85 | 43.50 | -13.65 | 44.37 | -14.52 | Peak | --- | --- |
| 2 | 144.27 | 30.57 | 43.50 | -12.93 | 39.56 | -8.99 | Peak | --- | --- |
| 3 | 284.39 | 36.18 | 46.00 | -9.82 | 44.54 | -8.36 | Peak | --- | --- |
| 4 | 324.65 | 33.83 | 46.00 | -12.17 | 41.14 | -7.31 | Peak | --- | --- |
| 5 | 524.48 | 33.29 | 46.00 | -12.71 | 35.90 | -2.61 | Peak | --- | --- |
| 6 | 541.48 | 33.56 | 46.00 | -12.44 | 35.99 | -2.43 | Peak | --- | --- |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

| Modulation | 11b | Test Freq. (MHz) | 2437 |
|---|---|---|---|
| Polarization | Vertical | | |

Test By :Allen Lee Temperature(℃):22 Humidity(%):64



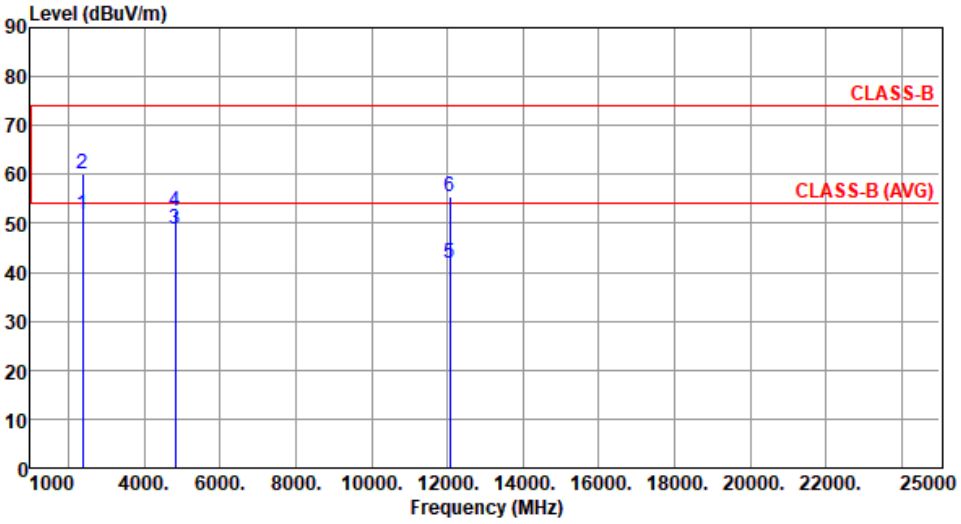

| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 32.95 | 37.85 | 40.00 | -2.15 | 47.71 | -9.86 | QP | 100 | 241 |
| 2 | 91.68 | 34.45 | 43.50 | -9.05 | 48.81 | -14.36 | Peak | --- | --- |
| 3 | 249.95 | 30.62 | 46.00 | -15.38 | 40.57 | -9.95 | Peak | --- | --- |
| 4 | 324.96 | 32.85 | 46.00 | -13.15 | 40.15 | -7.30 | Peak | --- | --- |
| 5 | 475.44 | 37.11 | 46.00 | -8.89 | 40.68 | -3.57 | Peak | --- | --- |
| 6 | 541.42 | 34.45 | 46.00 | -11.55 | 36.88 | -2.43 | Peak | --- | --- |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

## Unwanted Emission (Above 1GHz) for 11b

| Modulation | 11b | Test Freq. (MHz) | 2412 |
|---|---|---|---|
| Polarization | Horizontal | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

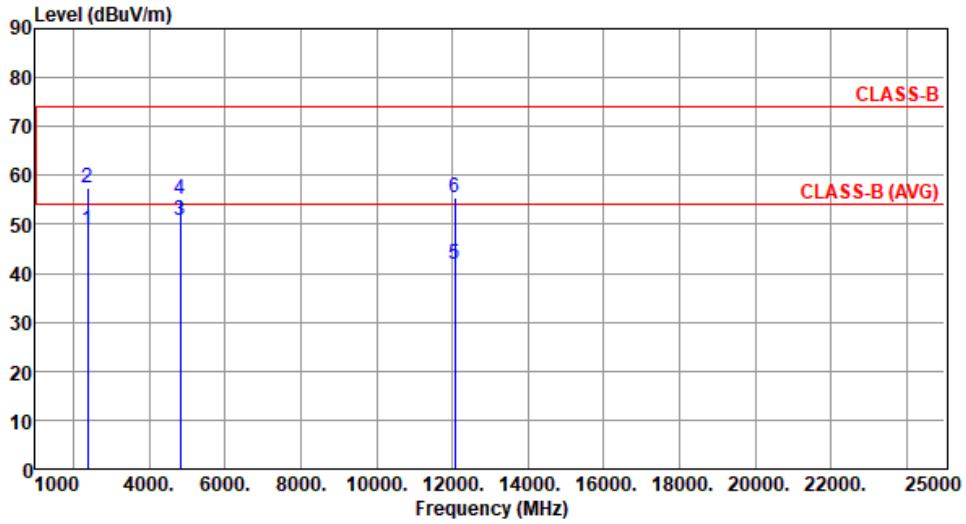



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 51.85 | 54.00 | -2.15 | 56.23 | -4.38 | Average | 215 | 342 |
| 2 | 2390.00 | 60.24 | 74.00 | -13.76 | 64.62 | -4.38 | Peak | 215 | 342 |
| 3 | 4824.00 | 48.92 | 54.00 | -5.08 | 49.33 | -0.41 | Average | 111 | 243 |
| 4 | 4824.00 | 52.63 | 74.00 | -21.37 | 53.04 | -0.41 | Peak | 111 | 243 |
| 5 | 12060.00 | 41.94 | 54.00 | -12.06 | 35.68 | 6.26 | Average | 100 | 147 |
| 6 | 12060.00 | 55.47 | 74.00 | -18.53 | 49.21 | 6.26 | Peak | 100 | 147 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| Modulation | 11b | Test Freq. (MHz) | 2412 |
|---|---|---|---|
| Polarization | Vertical | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

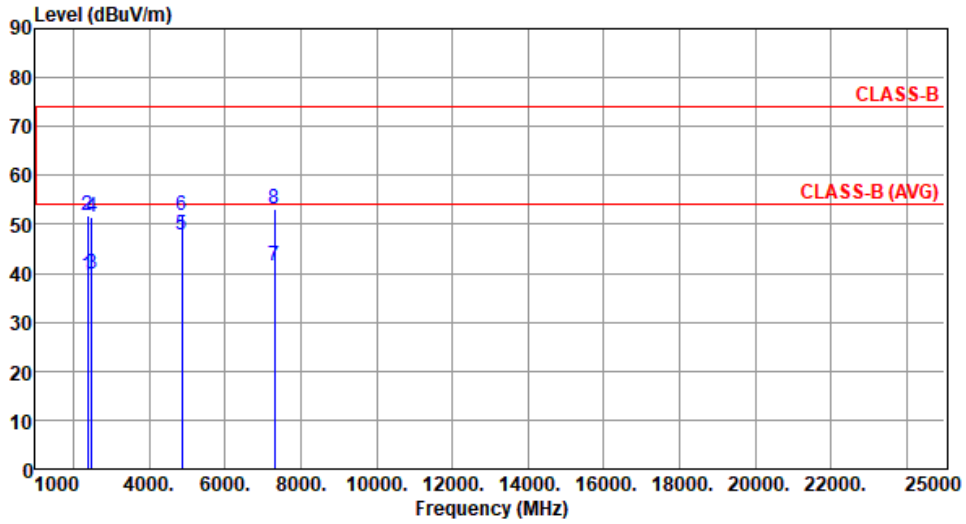



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 48.79 | 54.00 | -5.21 | 53.17 | -4.38 | Average | 149 | 127 |
| 2 | 2390.00 | 57.40 | 74.00 | -16.60 | 61.78 | -4.38 | Peak | 149 | 127 |
| 3 | 4824.00 | 50.72 | 54.00 | -3.28 | 51.13 | -0.41 | Average | 180 | 333 |
| 4 | 4824.00 | 55.03 | 74.00 | -18.97 | 55.44 | -0.41 | Peak | 180 | 333 |
| 5 | 12060.00 | 41.77 | 54.00 | -12.23 | 35.51 | 6.26 | Average | 100 | 214 |
| 6 | 12060.00 | 55.53 | 74.00 | -18.47 | 49.27 | 6.26 | Peak | 100 | 214 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | 11b | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

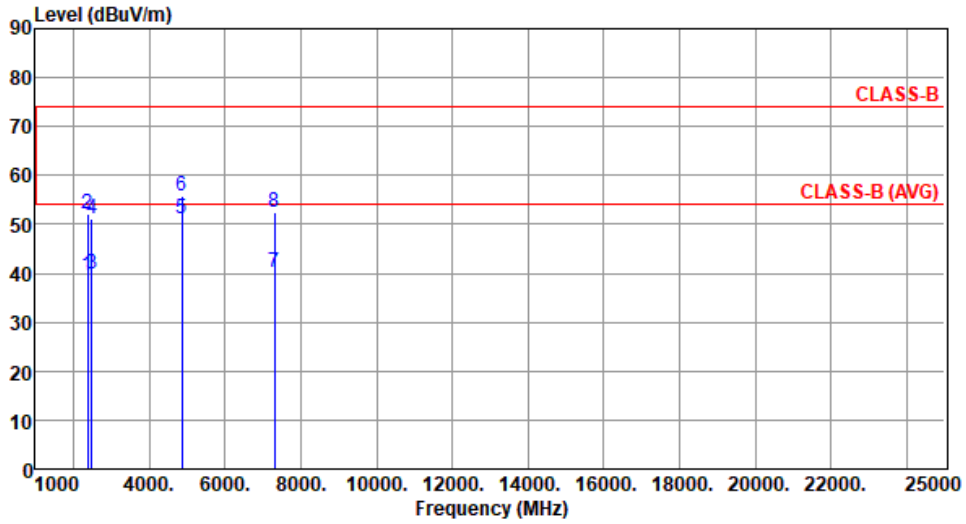



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 39.64 | 54.00 | -14.36 | 44.02 | -4.38 | Average | 100 | 136 |
| 2 | 2390.00 | 51.77 | 74.00 | -22.23 | 56.15 | -4.38 | Peak | 100 | 136 |
| 3 | 2483.50 | 39.72 | 54.00 | -14.28 | 44.47 | -4.75 | Average | 100 | 136 |
| 4 | 2483.50 | 51.47 | 74.00 | -22.53 | 56.22 | -4.75 | Peak | 100 | 136 |
| 5 | 4874.00 | 47.82 | 54.00 | -6.18 | 48.32 | -0.50 | Average | 100 | 325 |
| 6 | 4874.00 | 51.84 | 74.00 | -22.16 | 52.34 | -0.50 | Peak | 100 | 325 |
| 7 | 7311.00 | 41.54 | 54.00 | -12.46 | 36.38 | 5.16 | Average | 100 | 186 |
| 8 | 7311.00 | 53.12 | 74.00 | -20.88 | 47.96 | 5.16 | Peak | 100 | 186 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| Modulation | 11b | Test Freq. (MHz) | 2437 |
|---|---|---|---|
| Polarization | Vertical | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

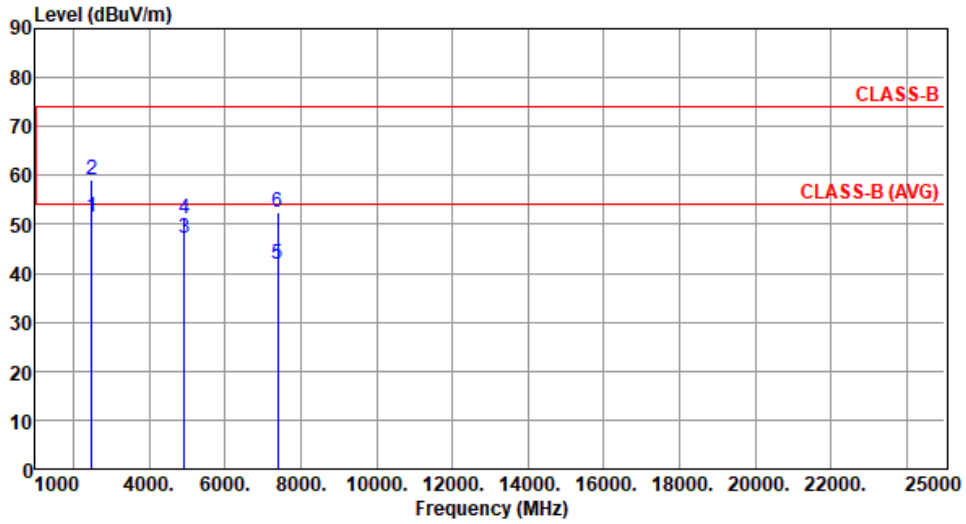



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 39.59 | 54.00 | -14.41 | 43.97 | -4.38 | Average | 227 | 86 |
| 2 | 2390.00 | 52.11 | 74.00 | -21.89 | 56.49 | -4.38 | Peak | 227 | 86 |
| 3 | 2483.50 | 39.72 | 54.00 | -14.28 | 44.47 | -4.75 | Average | 227 | 86 |
| 4 | 2483.50 | 51.19 | 74.00 | -22.81 | 55.94 | -4.75 | Peak | 227 | 86 |
| 5 | 4874.00 | 51.09 | 54.00 | -2.91 | 51.59 | -0.50 | Average | 100 | 192 |
| 6 | 4874.00 | 55.68 | 74.00 | -18.32 | 56.18 | -0.50 | Peak | 100 | 192 |
| 7 | 7311.00 | 40.32 | 54.00 | -13.68 | 35.16 | 5.16 | Average | 100 | 231 |
| 8 | 7311.00 | 52.52 | 74.00 | -21.48 | 47.36 | 5.16 | Peak | 100 | 231 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | 11b | **Test Freq. (MHz)** | 2462 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

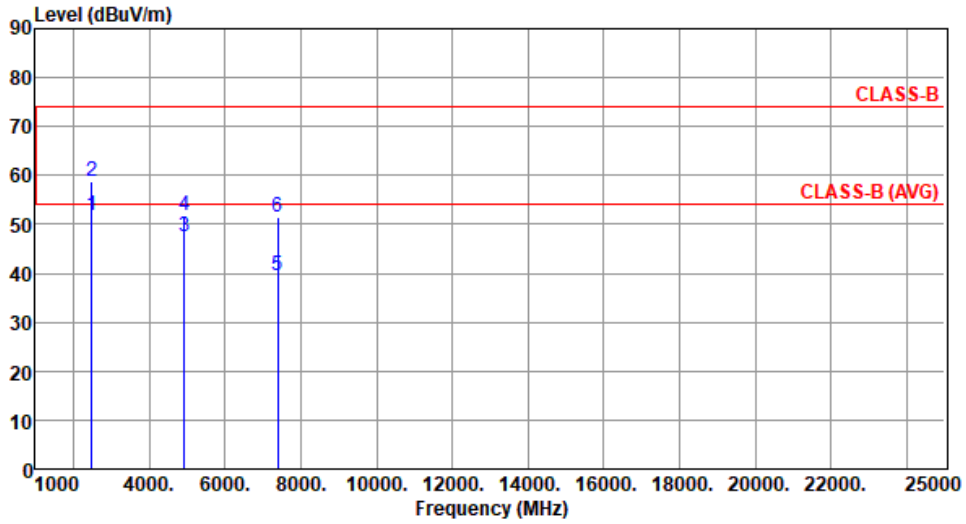



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.50 | 51.53 | 54.00 | -2.47 | 56.28 | -4.75 | Average | 231 | 343 |
| 2 | 2483.50 | 59.21 | 74.00 | -14.79 | 63.96 | -4.75 | Peak | 231 | 343 |
| 3 | 4924.00 | 47.25 | 54.00 | -6.75 | 47.69 | -0.44 | Average | 100 | 107 |
| 4 | 4924.00 | 51.01 | 74.00 | -22.99 | 51.45 | -0.44 | Peak | 100 | 107 |
| 5 | 7386.00 | 41.92 | 54.00 | -12.08 | 36.89 | 5.03 | Average | 100 | 204 |
| 6 | 7386.00 | 52.45 | 74.00 | -21.55 | 47.42 | 5.03 | Peak | 100 | 204 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | 11b | **Test Freq. (MHz)** | 2462 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66



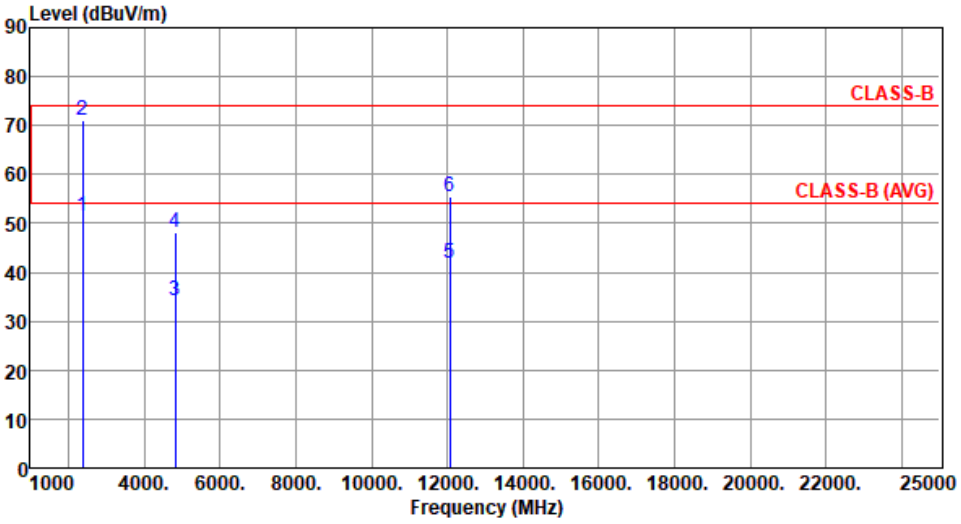

| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.50 | 51.90 | 54.00 | -2.10 | 56.65 | -4.75 | Average | 145 | 128 |
| 2 | 2483.50 | 58.65 | 74.00 | -15.35 | 63.40 | -4.75 | Peak | 145 | 128 |
| 3 | 4924.00 | 47.42 | 54.00 | -6.58 | 47.86 | -0.44 | Average | 100 | 188 |
| 4 | 4924.00 | 51.94 | 74.00 | -22.06 | 52.38 | -0.44 | Peak | 100 | 188 |
| 5 | 7386.00 | 39.67 | 54.00 | -14.33 | 34.64 | 5.03 | Average | 100 | 219 |
| 6 | 7386.00 | 51.46 | 74.00 | -22.54 | 46.43 | 5.03 | Peak | 100 | 219 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

## Unwanted Emissions (Above 1GHz) for 11g

| **Modulation** | 11g | **Test Freq. (MHz)** | 2412 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

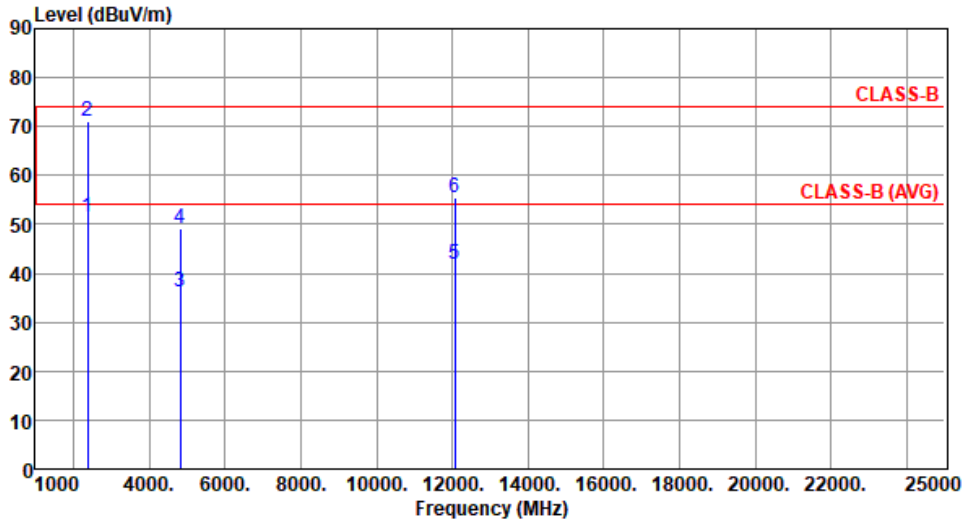



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 51.63 | 54.00 | -2.37 | 56.01 | -4.38 | Average | 166 | 338 |
| 2 | 2390.00 | 71.06 | 74.00 | -2.94 | 75.44 | -4.38 | Peak | 166 | 338 |
| 3 | 4824.00 | 34.12 | 54.00 | -19.88 | 34.53 | -0.41 | Average | 186 | 23 |
| 4 | 4824.00 | 48.25 | 74.00 | -25.75 | 48.66 | -0.41 | Peak | 186 | 23 |
| 5 | 12060.00 | 41.77 | 54.00 | -12.23 | 35.51 | 6.26 | Average | 100 | 176 |
| 6 | 12060.00 | 55.47 | 74.00 | -18.53 | 49.21 | 6.26 | Peak | 100 | 176 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | 11g | **Test Freq. (MHz)** | 2412 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

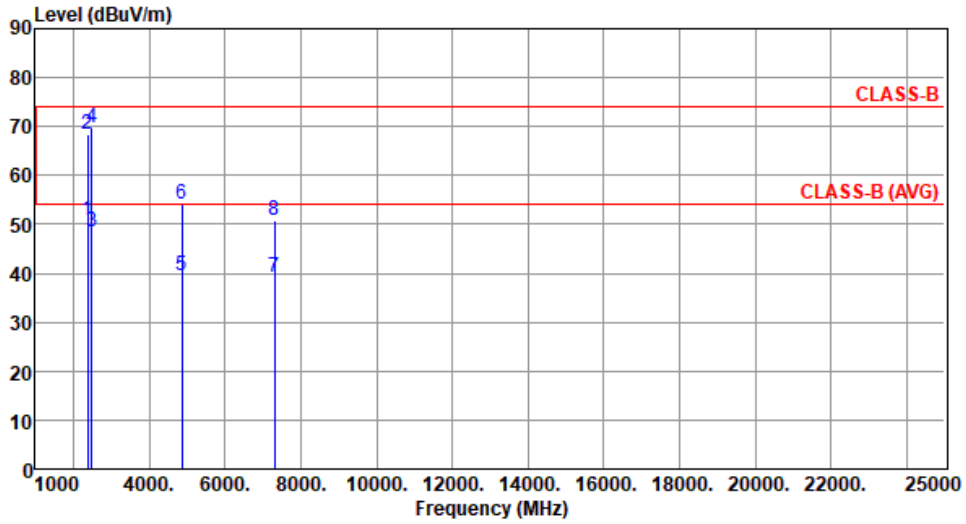



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 51.57 | 54.00 | -2.43 | 55.95 | -4.38 | Average | 123 | 132 |
| 2 | 2390.00 | 71.14 | 74.00 | -2.86 | 75.52 | -4.38 | Peak | 123 | 132 |
| 3 | 4824.00 | 36.10 | 54.00 | -17.90 | 36.51 | -0.41 | Average | 116 | 331 |
| 4 | 4824.00 | 49.02 | 74.00 | -24.98 | 49.43 | -0.41 | Peak | 116 | 331 |
| 5 | 12060.00 | 41.84 | 54.00 | -12.16 | 35.58 | 6.26 | Average | 100 | 156 |
| 6 | 12060.00 | 55.53 | 74.00 | -18.47 | 49.27 | 6.26 | Peak | 100 | 156 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | 11g | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

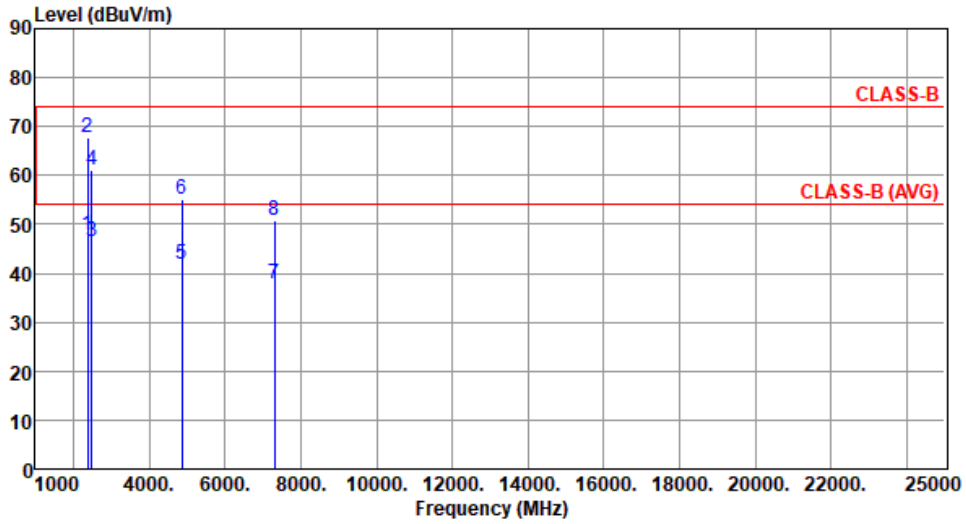



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 50.82 | 54.00 | -3.18 | 55.20 | -4.38 | Average | 241 | 345 |
| 2 | 2390.00 | 68.37 | 74.00 | -5.63 | 72.75 | -4.38 | Peak | 241 | 345 |
| 3 | 2483.50 | 48.51 | 54.00 | -5.49 | 53.26 | -4.75 | Average | 200 | 174 |
| 4 | 2483.50 | 69.79 | 74.00 | -4.21 | 74.54 | -4.75 | Peak | 200 | 174 |
| 5 | 4874.00 | 39.59 | 54.00 | -14.41 | 40.09 | -0.50 | Average | 187 | 20 |
| 6 | 4874.00 | 54.18 | 74.00 | -19.82 | 54.68 | -0.50 | Peak | 187 | 20 |
| 7 | 7311.00 | 39.03 | 54.00 | -14.97 | 33.87 | 5.16 | Average | 100 | 208 |
| 8 | 7311.00 | 50.84 | 74.00 | -23.16 | 45.68 | 5.16 | Peak | 100 | 208 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | 11g | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

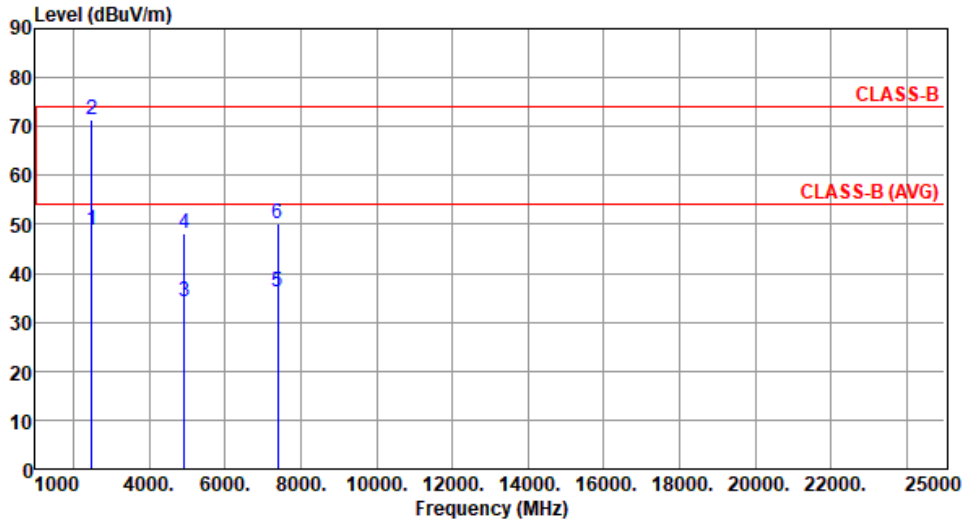



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 47.85 | 54.00 | -6.15 | 52.23 | -4.38 | Average | 121 | 125 |
| 2 | 2390.00 | 67.58 | 74.00 | -6.42 | 71.96 | -4.38 | Peak | 121 | 125 |
| 3 | 2483.50 | 46.36 | 54.00 | -7.64 | 51.11 | -4.75 | Average | 121 | 125 |
| 4 | 2483.50 | 61.13 | 74.00 | -12.87 | 65.88 | -4.75 | Peak | 121 | 125 |
| 5 | 4874.00 | 41.83 | 54.00 | -12.17 | 42.33 | -0.50 | Average | 115 | 334 |
| 6 | 4874.00 | 55.24 | 74.00 | -18.76 | 55.74 | -0.50 | Peak | 115 | 334 |
| 7 | 7311.00 | 37.86 | 54.00 | -16.14 | 32.70 | 5.16 | Average | 100 | 106 |
| 8 | 7311.00 | 50.74 | 74.00 | -23.26 | 45.58 | 5.16 | Peak | 100 | 106 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | 11g | **Test Freq. (MHz)** | 2462 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

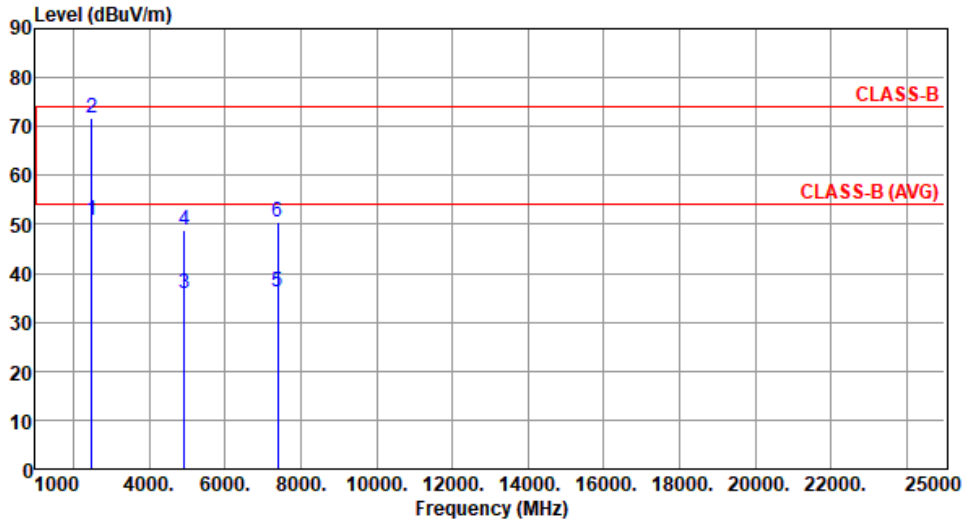



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.50 | 48.96 | 54.00 | -5.04 | 53.71 | -4.75 | Average | 184 | 354 |
| 2 | 2483.50 | 71.27 | 74.00 | -2.73 | 76.02 | -4.75 | Peak | 184 | 354 |
| 3 | 4924.00 | 34.18 | 54.00 | -19.82 | 34.62 | -0.44 | Average | 183 | 21 |
| 4 | 4924.00 | 48.22 | 74.00 | -25.78 | 48.66 | -0.44 | Peak | 183 | 21 |
| 5 | 7386.00 | 36.30 | 54.00 | -17.70 | 31.27 | 5.03 | Average | 100 | 105 |
| 6 | 7386.00 | 50.29 | 74.00 | -23.71 | 45.26 | 5.03 | Peak | 100 | 105 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | 11g | **Test Freq. (MHz)** | 2462 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66



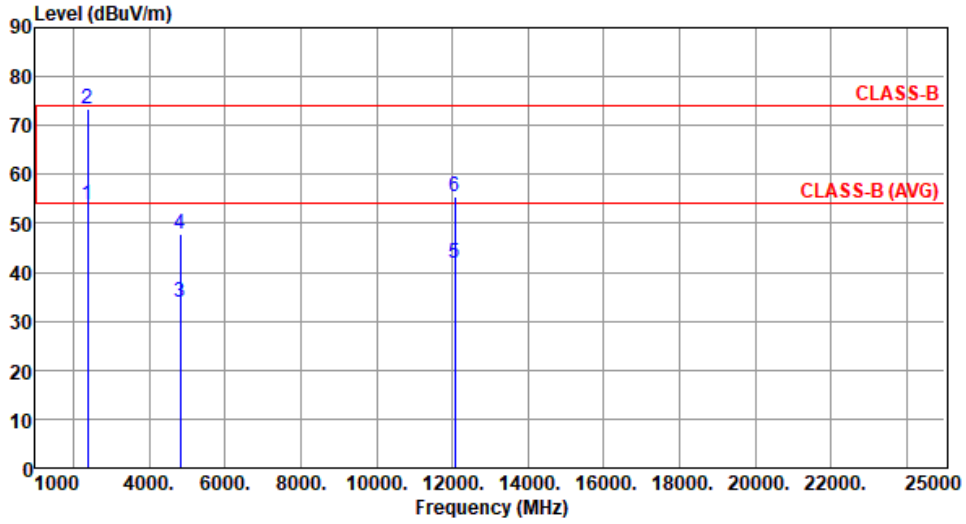

| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.50 | 50.92 | 54.00 | -3.08 | 55.67 | -4.75 | Average | 100 | 137 |
| 2 | 2483.50 | 71.89 | 74.00 | -2.11 | 76.64 | -4.75 | Peak | 100 | 137 |
| 3 | 4924.00 | 35.83 | 54.00 | -18.17 | 36.27 | -0.44 | Average | 118 | 327 |
| 4 | 4924.00 | 48.82 | 74.00 | -25.18 | 49.26 | -0.44 | Peak | 118 | 327 |
| 5 | 7386.00 | 36.30 | 54.00 | -17.70 | 31.27 | 5.03 | Average | 100 | 208 |
| 6 | 7386.00 | 50.56 | 74.00 | -23.44 | 45.53 | 5.03 | Peak | 100 | 208 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

## Unwanted Emissions (Above 1GHz) for be EHT20

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2412 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

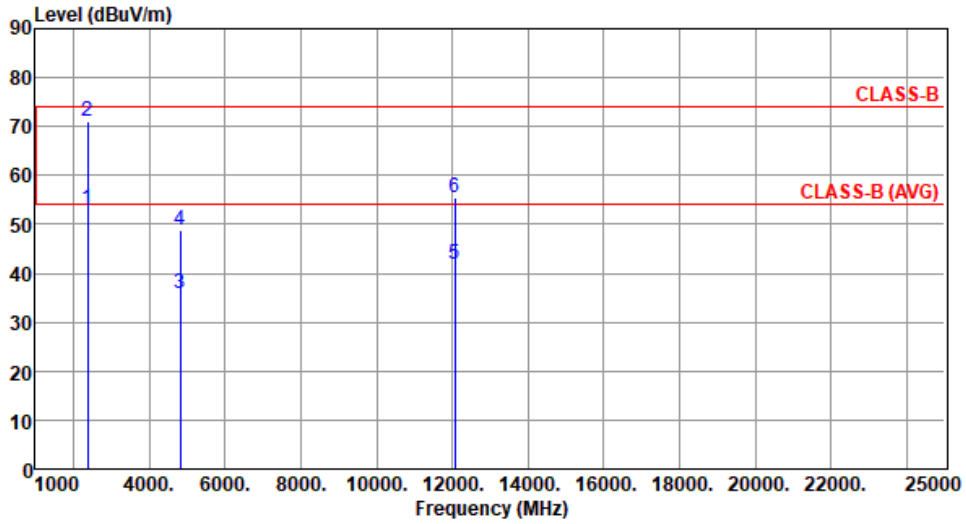



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 53.87 | 54.00 | -0.13 | 58.25 | -4.38 | Average | 169 | 333 |
| 2 | 2390.00 | 73.52 | 74.00 | -0.48 | 77.90 | -4.38 | Peak | 169 | 333 |
| 3 | 4824.00 | 33.77 | 54.00 | -20.23 | 34.18 | -0.41 | Average | 179 | 26 |
| 4 | 4824.00 | 47.86 | 74.00 | -26.14 | 48.27 | -0.41 | Peak | 179 | 26 |
| 5 | 12060.00 | 41.80 | 54.00 | -12.20 | 35.54 | 6.26 | Average | 100 | 158 |
| 6 | 12060.00 | 55.42 | 74.00 | -18.58 | 49.16 | 6.26 | Peak | 100 | 158 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2412 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

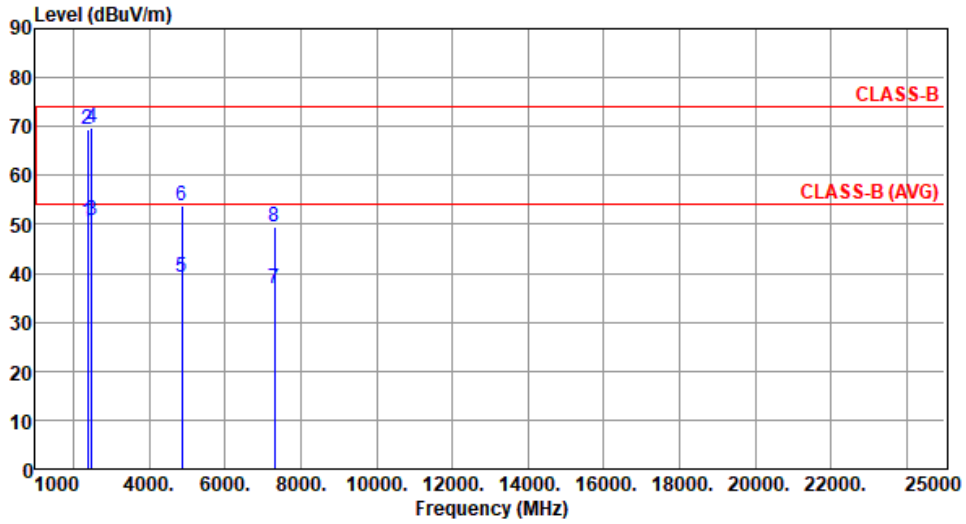



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 53.15 | 54.00 | -0.85 | 57.53 | -4.38 | Average | 100 | 159 |
| 2 | 2390.00 | 70.92 | 74.00 | -3.08 | 75.30 | -4.38 | Peak | 100 | 159 |
| 3 | 4824.00 | 35.91 | 54.00 | -18.09 | 36.32 | -0.41 | Average | 117 | 320 |
| 4 | 4824.00 | 48.87 | 74.00 | -25.13 | 49.28 | -0.41 | Peak | 117 | 320 |
| 5 | 12060.00 | 41.75 | 54.00 | -12.25 | 35.49 | 6.26 | Average | 100 | 182 |
| 6 | 12060.00 | 55.49 | 74.00 | -18.51 | 49.23 | 6.26 | Peak | 100 | 182 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

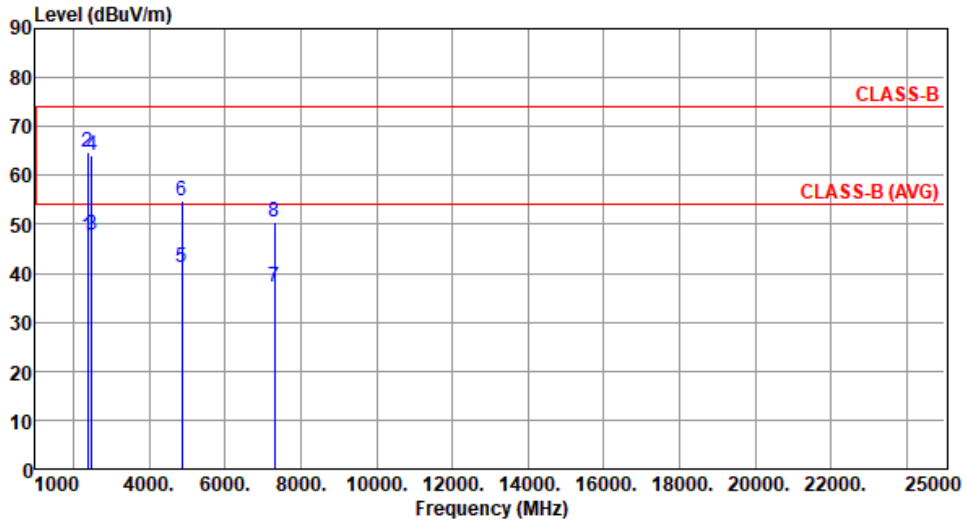



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 50.54 | 54.00 | -3.46 | 54.92 | -4.38 | Average | 230 | 345 |
| 2 | 2390.00 | 69.51 | 74.00 | -4.49 | 73.89 | -4.38 | Peak | 230 | 345 |
| 3 | 2483.50 | 50.73 | 54.00 | -3.27 | 55.48 | -4.75 | Average | 230 | 345 |
| 4 | 2483.50 | 69.76 | 74.00 | -4.24 | 74.51 | -4.75 | Peak | 230 | 345 |
| 5 | 4874.00 | 39.04 | 54.00 | -14.96 | 39.54 | -0.50 | Average | 183 | 21 |
| 6 | 4874.00 | 53.83 | 74.00 | -20.17 | 54.33 | -0.50 | Peak | 183 | 21 |
| 7 | 7311.00 | 36.80 | 54.00 | -17.20 | 31.64 | 5.16 | Average | 100 | 210 |
| 8 | 7311.00 | 49.63 | 74.00 | -24.37 | 44.47 | 5.16 | Peak | 100 | 210 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

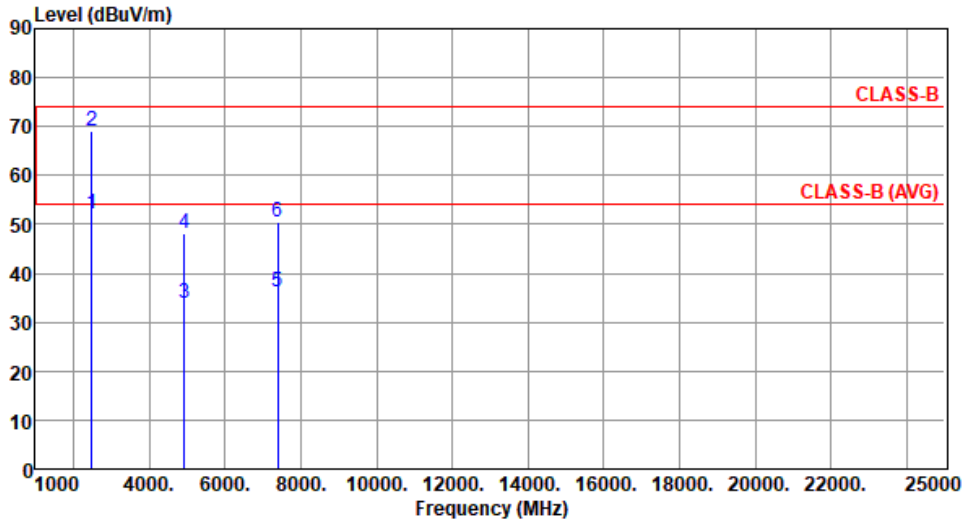



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 47.59 | 54.00 | -6.41 | 51.97 | -4.38 | Average | 121 | 127 |
| 2 | 2390.00 | 64.60 | 74.00 | -9.40 | 68.98 | -4.38 | Peak | 121 | 127 |
| 3 | 2483.50 | 47.66 | 54.00 | -6.34 | 52.41 | -4.75 | Average | 121 | 127 |
| 4 | 2483.50 | 63.93 | 74.00 | -10.07 | 68.68 | -4.75 | Peak | 121 | 127 |
| 5 | 4874.00 | 41.14 | 54.00 | -12.86 | 41.64 | -0.50 | Average | 117 | 333 |
| 6 | 4874.00 | 54.76 | 74.00 | -19.24 | 55.26 | -0.50 | Peak | 117 | 333 |
| 7 | 7311.00 | 37.32 | 54.00 | -16.68 | 32.16 | 5.16 | Average | 100 | 215 |
| 8 | 7311.00 | 50.49 | 74.00 | -23.51 | 45.33 | 5.16 | Peak | 100 | 215 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2462 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

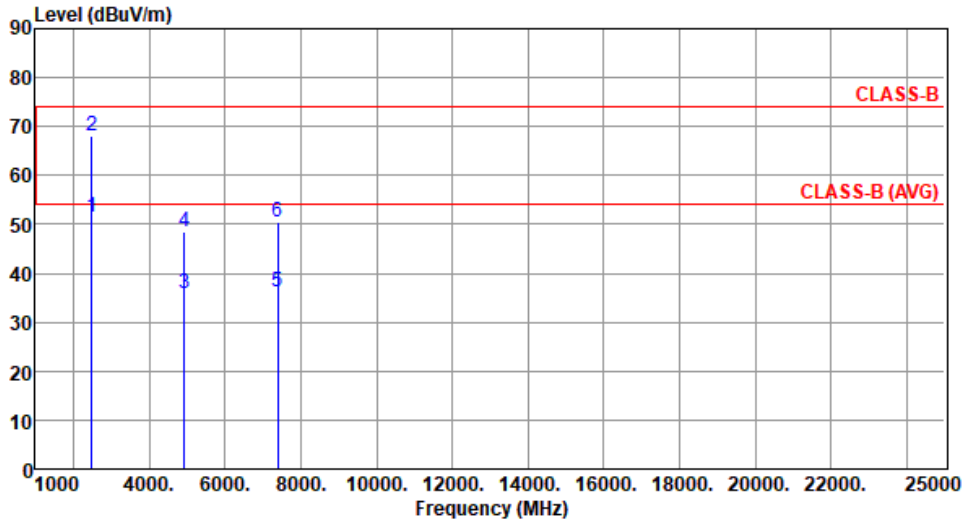



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.50 | 52.08 | 54.00 | -1.92 | 56.83 | -4.75 | Average | 141 | 114 |
| 2 | 2483.50 | 69.00 | 74.00 | -5.00 | 73.75 | -4.75 | Peak | 141 | 114 |
| 3 | 4924.00 | 33.94 | 54.00 | -20.06 | 34.38 | -0.44 | Average | 186 | 19 |
| 4 | 4924.00 | 48.15 | 74.00 | -25.85 | 48.59 | -0.44 | Peak | 186 | 19 |
| 5 | 7386.00 | 36.31 | 54.00 | -17.69 | 31.28 | 5.03 | Average | 100 | 176 |
| 6 | 7386.00 | 50.36 | 74.00 | -23.64 | 45.33 | 5.03 | Peak | 100 | 176 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2462 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66



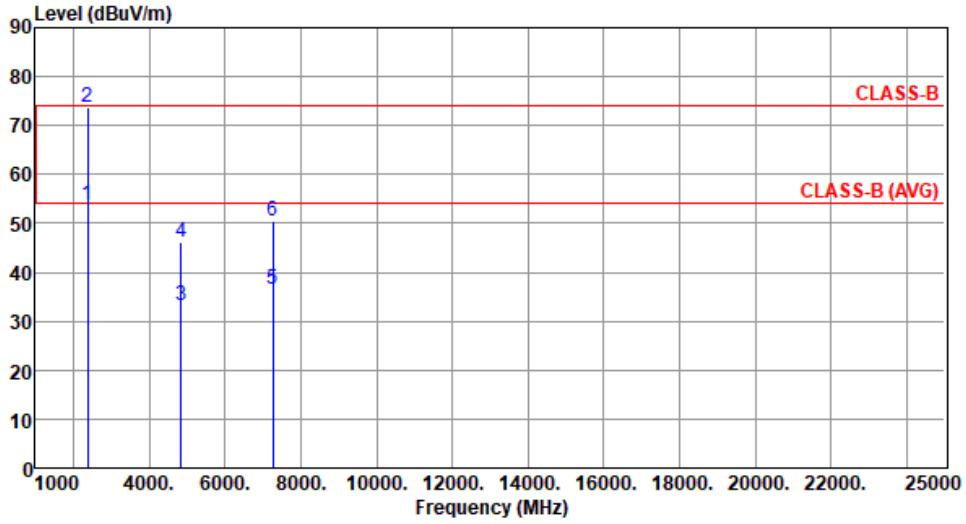

| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.50 | 51.50 | 54.00 | -2.50 | 56.25 | -4.75 | Average | 100 | 124 |
| 2 | 2483.50 | 68.20 | 74.00 | -5.80 | 72.95 | -4.75 | Peak | 100 | 124 |
| 3 | 4924.00 | 35.74 | 54.00 | -18.26 | 36.18 | -0.44 | Average | 121 | 330 |
| 4 | 4924.00 | 48.64 | 74.00 | -25.36 | 49.08 | -0.44 | Peak | 121 | 330 |
| 5 | 7386.00 | 36.28 | 54.00 | -17.72 | 31.25 | 5.03 | Average | 100 | 186 |
| 6 | 7386.00 | 50.52 | 74.00 | -23.48 | 45.49 | 5.03 | Peak | 100 | 186 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

## Unwanted Emissions (Above 1GHz) for be EHT40

| Modulation | be EHT40 | Test Freq. (MHz) | 2422 |
|---|---|---|---|
| Polarization | Horizontal | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

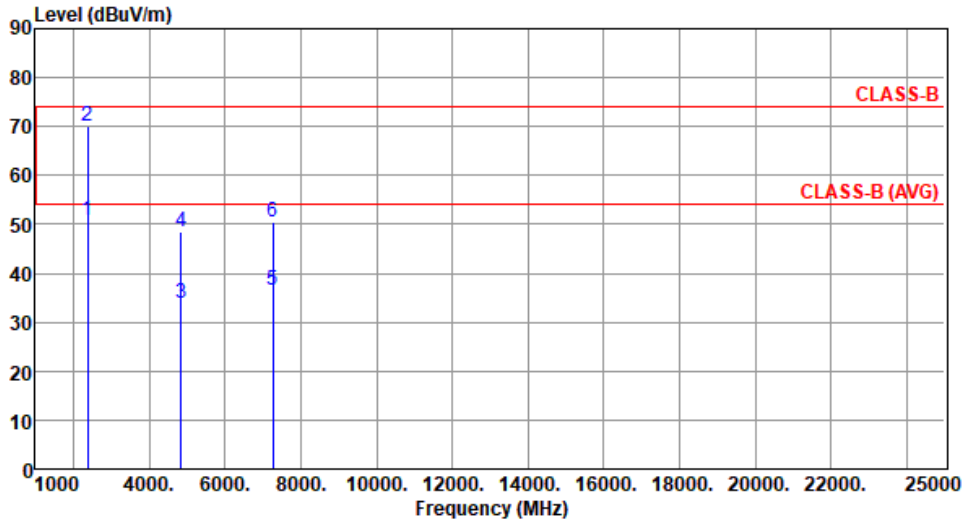



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 53.88 | 54.00 | -0.12 | 58.26 | -4.38 | Average | 170 | 352 |
| 2 | 2390.00 | 73.83 | 74.00 | -0.17 | 78.21 | -4.38 | Peak | 170 | 352 |
| 3 | 4844.00 | 33.13 | 54.00 | -20.87 | 33.58 | -0.45 | Average | 181 | 22 |
| 4 | 4844.00 | 46.21 | 74.00 | -27.79 | 46.66 | -0.45 | Peak | 181 | 22 |
| 5 | 7266.00 | 36.48 | 54.00 | -17.52 | 31.27 | 5.21 | Average | 100 | 176 |
| 6 | 7266.00 | 50.53 | 74.00 | -23.47 | 45.32 | 5.21 | Peak | 100 | 176 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT40 | **Test Freq. (MHz)** | 2422 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

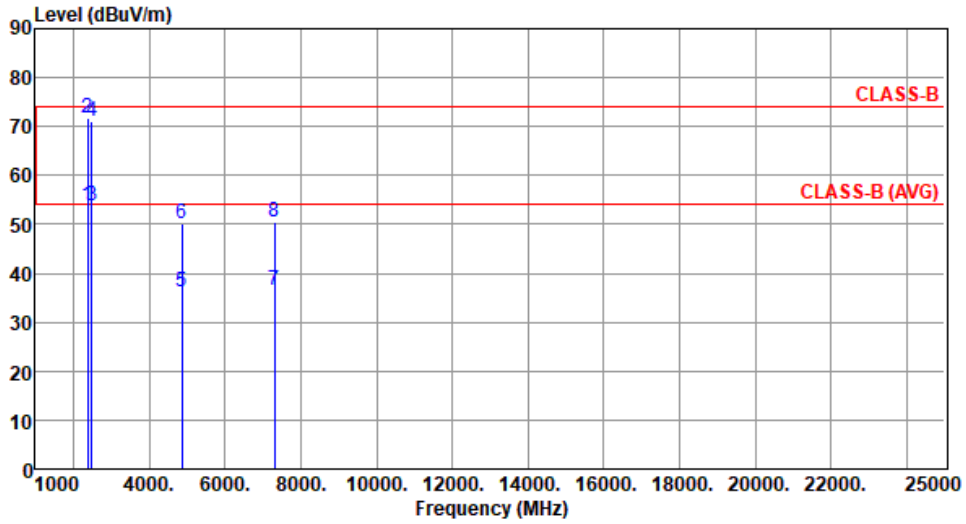



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 50.95 | 54.00 | -3.05 | 55.33 | -4.38 | Average | 105 | 128 |
| 2 | 2390.00 | 70.15 | 74.00 | -3.85 | 74.53 | -4.38 | Peak | 105 | 128 |
| 3 | 4844.00 | 33.74 | 54.00 | -20.26 | 34.19 | -0.45 | Average | 121 | 320 |
| 4 | 4844.00 | 48.41 | 74.00 | -25.59 | 48.86 | -0.45 | Peak | 121 | 320 |
| 5 | 7266.00 | 36.51 | 54.00 | -17.49 | 31.30 | 5.21 | Average | 100 | 108 |
| 6 | 7266.00 | 50.59 | 74.00 | -23.41 | 45.38 | 5.21 | Peak | 100 | 108 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT40 | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

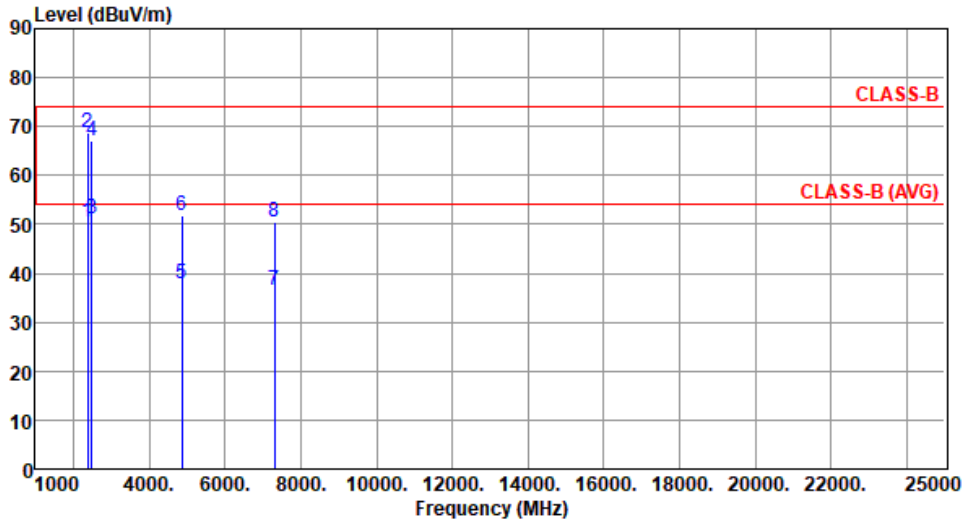



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 53.83 | 54.00 | -0.17 | 58.21 | -4.38 | Average | 100 | 316 |
| 2 | 2390.00 | 71.73 | 74.00 | -2.27 | 76.11 | -4.38 | Peak | 100 | 316 |
| 3 | 2483.50 | 53.81 | 54.00 | -0.19 | 58.56 | -4.75 | Average | 100 | 316 |
| 4 | 2483.50 | 70.90 | 74.00 | -3.10 | 75.65 | -4.75 | Peak | 100 | 316 |
| 5 | 4874.00 | 36.26 | 54.00 | -17.74 | 36.76 | -0.50 | Average | 186 | 23 |
| 6 | 4874.00 | 50.16 | 74.00 | -23.84 | 50.66 | -0.50 | Peak | 186 | 23 |
| 7 | 7311.00 | 36.70 | 54.00 | -17.30 | 31.54 | 5.16 | Average | 100 | 103 |
| 8 | 7311.00 | 50.54 | 74.00 | -23.46 | 45.38 | 5.16 | Peak | 100 | 103 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT40 | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

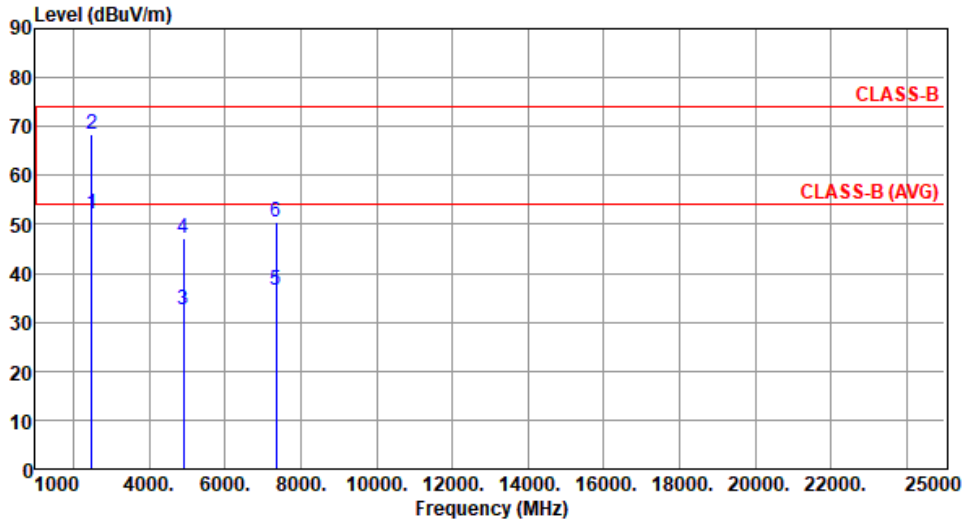



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 50.56 | 54.00 | -3.44 | 54.94 | -4.38 | Average | 100 | 126 |
| 2 | 2390.00 | 68.75 | 74.00 | -5.25 | 73.13 | -4.38 | Peak | 100 | 126 |
| 3 | 2483.50 | 51.07 | 54.00 | -2.93 | 55.82 | -4.75 | Average | 100 | 126 |
| 4 | 2483.50 | 67.11 | 74.00 | -6.89 | 71.86 | -4.75 | Peak | 100 | 126 |
| 5 | 4874.00 | 37.96 | 54.00 | -16.04 | 38.46 | -0.50 | Average | 109 | 331 |
| 6 | 4874.00 | 51.85 | 74.00 | -22.15 | 52.35 | -0.50 | Peak | 109 | 331 |
| 7 | 7311.00 | 36.50 | 54.00 | -17.50 | 31.34 | 5.16 | Average | 100 | 284 |
| 8 | 7311.00 | 50.53 | 74.00 | -23.47 | 45.37 | 5.16 | Peak | 100 | 284 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT40 | **Test Freq. (MHz)** | 2452 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66

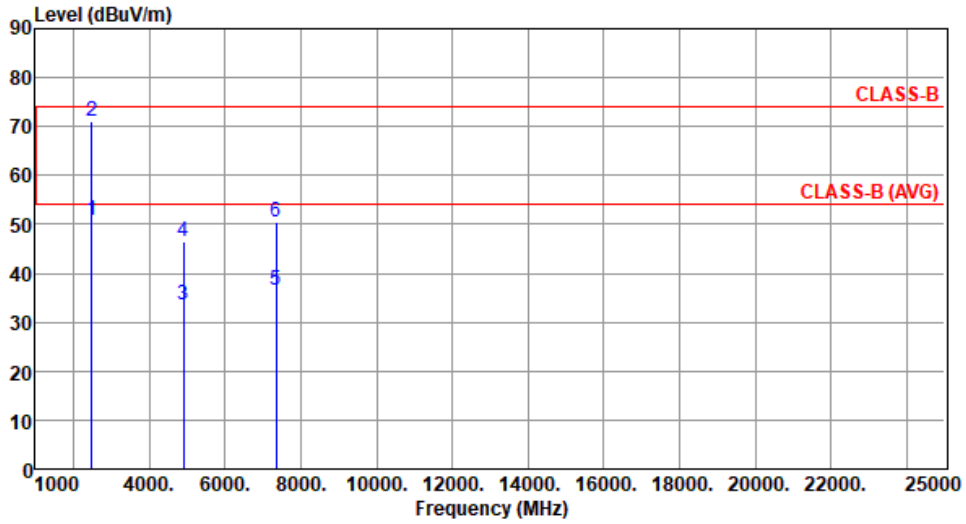



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.50 | 52.07 | 54.00 | -1.93 | 56.82 | -4.75 | Average | 100 | 326 |
| 2 | 2483.50 | 68.38 | 74.00 | -5.62 | 73.13 | -4.75 | Peak | 100 | 326 |
| 3 | 4904.00 | 32.63 | 54.00 | -21.37 | 33.16 | -0.53 | Average | 183 | 21 |
| 4 | 4904.00 | 47.15 | 74.00 | -26.85 | 47.68 | -0.53 | Peak | 183 | 21 |
| 5 | 7356.00 | 36.40 | 54.00 | -17.60 | 31.35 | 5.05 | Average | 100 | 215 |
| 6 | 7356.00 | 50.56 | 74.00 | -23.44 | 45.51 | 5.05 | Peak | 100 | 215 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT40 | **Test Freq. (MHz)** | 2452 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):23 Humidity(%):66



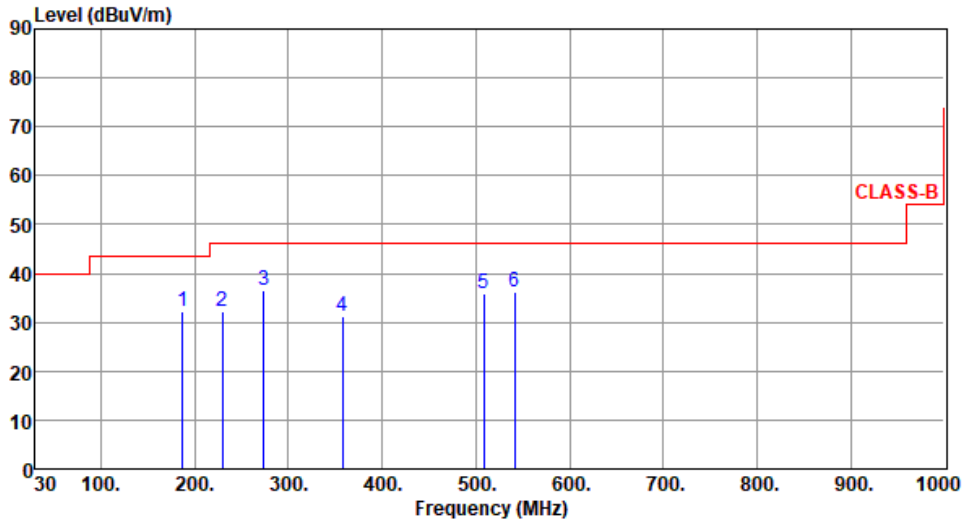

| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.50 | 50.95 | 54.00 | -3.05 | 55.70 | -4.75 | Average | 100 | 130 |
| 2 | 2483.50 | 70.91 | 74.00 | -3.09 | 75.66 | -4.75 | Peak | 100 | 130 |
| 3 | 4904.00 | 33.68 | 54.00 | -20.32 | 34.21 | -0.53 | Average | 126 | 321 |
| 4 | 4904.00 | 46.58 | 74.00 | -27.42 | 47.11 | -0.53 | Peak | 126 | 321 |
| 5 | 7356.00 | 36.38 | 54.00 | -17.62 | 31.33 | 5.05 | Average | 100 | 208 |
| 6 | 7356.00 | 50.56 | 74.00 | -23.44 | 45.51 | 5.05 | Peak | 100 | 208 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

## Configuration 2: Model: SDG-8734v
## Unwanted Emissions (Below 1GHz)

| Modulation | 11b | Test Freq. (MHz) | 2437 |
|---|---|---|---|
| Polarization | Horizontal | | |

Test By :Allen Lee Temperature(℃):22 Humidity(%):64

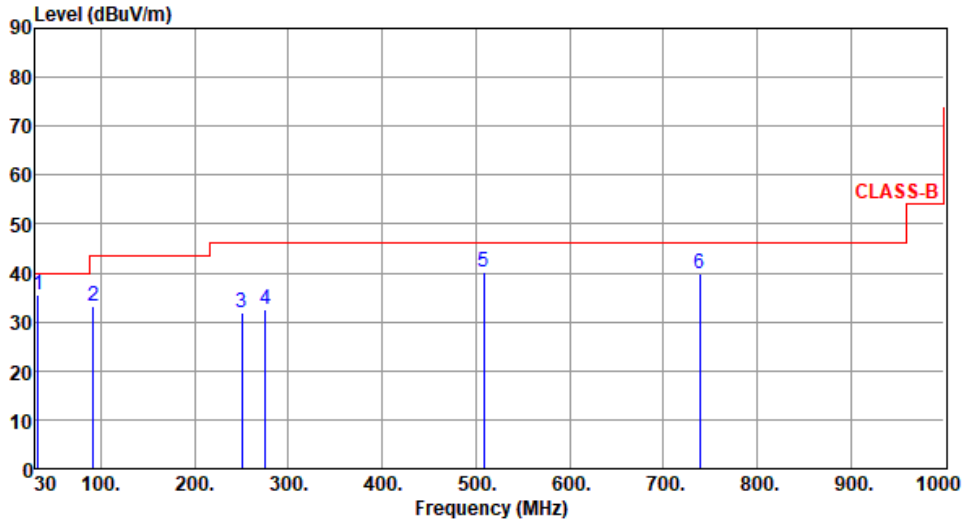



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 187.29 | 32.24 | 43.50 | -11.26 | 43.21 | -10.97 | Peak | --- | --- |
| 2 | 229.99 | 32.16 | 46.00 | -13.84 | 43.67 | -11.51 | Peak | --- | --- |
| 3 | 273.59 | 36.48 | 46.00 | -9.52 | 45.33 | -8.85 | Peak | --- | --- |
| 4 | 358.02 | 31.35 | 46.00 | -14.65 | 38.09 | -6.74 | Peak | --- | --- |
| 5 | 508.68 | 35.94 | 46.00 | -10.06 | 38.72 | -2.78 | Peak | --- | --- |
| 6 | 541.44 | 36.21 | 46.00 | -9.79 | 38.64 | -2.43 | Peak | --- | --- |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

| **Modulation** | 11b | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Allen Lee Temperature(℃):22 Humidity(%):64




| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.28 | 35.46 | 40.00 | -4.54 | 45.25 | -9.79 | QP | 100 | 152 |
| 2 | 91.44 | 33.26 | 43.50 | -10.24 | 47.65 | -14.39 | Peak | --- | --- |
| 3 | 250.35 | 31.96 | 46.00 | -14.04 | 41.90 | -9.94 | Peak | --- | --- |
| 4 | 275.62 | 32.54 | 46.00 | -13.46 | 41.28 | -8.74 | Peak | --- | --- |
| 5 | 508.29 | 40.31 | 46.00 | -5.69 | 43.09 | -2.78 | Peak | --- | --- |
| 6 | 739.25 | 39.81 | 46.00 | -6.19 | 37.97 | 1.84 | Peak | --- | --- |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

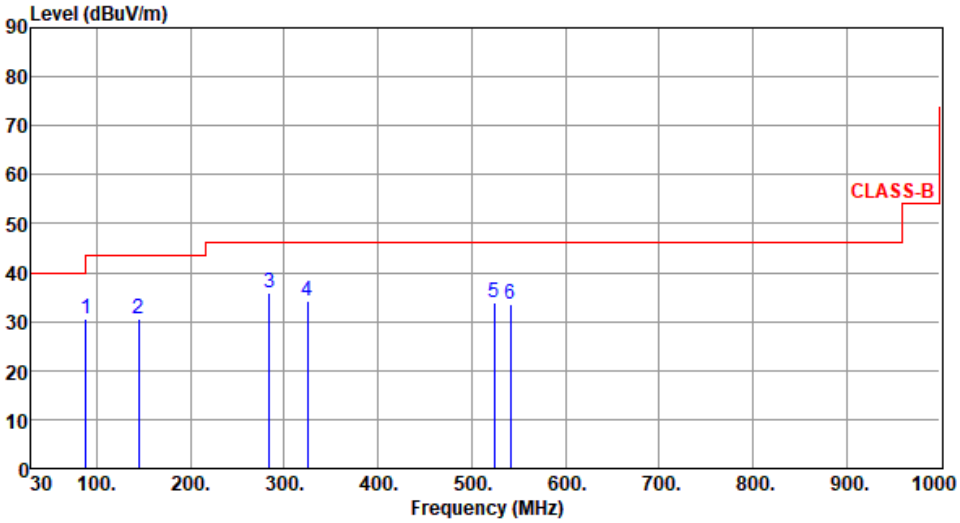
## *Beamforming mode*

**Configuration 1: Model: SDG-8733v**

**Unwanted Emissions (Below 1GHz)**

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Allen Lee Temperature(℃):22 Humidity(%):64

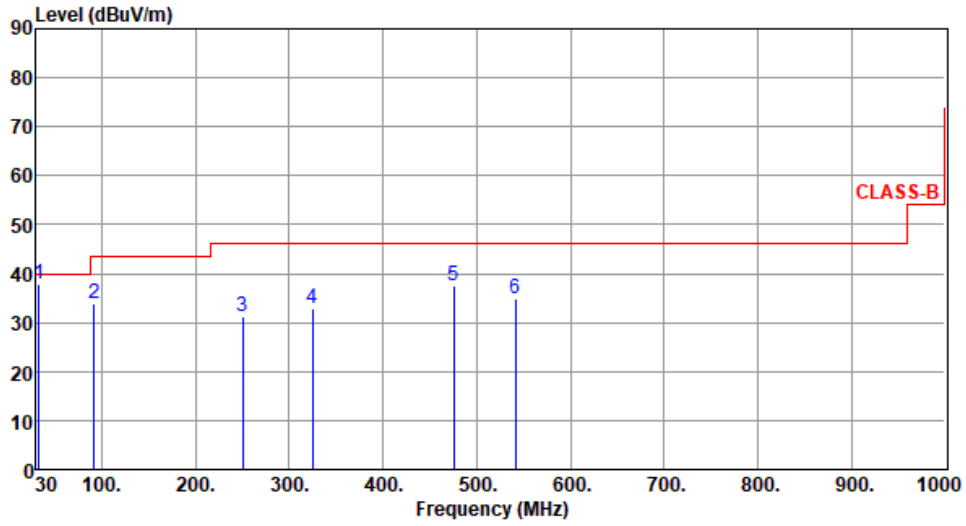



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 88.34 | 30.59 | 43.50 | -12.91 | 45.11 | -14.52 | Peak | --- | --- |
| 2 | 144.51 | 30.46 | 43.50 | -13.04 | 39.44 | -8.98 | Peak | --- | --- |
| 3 | 284.27 | 35.88 | 46.00 | -10.12 | 44.24 | -8.36 | Peak | --- | --- |
| 4 | 324.65 | 34.36 | 46.00 | -11.64 | 41.67 | -7.31 | Peak | --- | --- |
| 5 | 524.51 | 33.82 | 46.00 | -12.18 | 36.43 | -2.61 | Peak | --- | --- |
| 6 | 541.21 | 33.65 | 46.00 | -12.35 | 36.09 | -2.44 | Peak | --- | --- |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Allen Lee Temperature(℃):22 Humidity(%):64



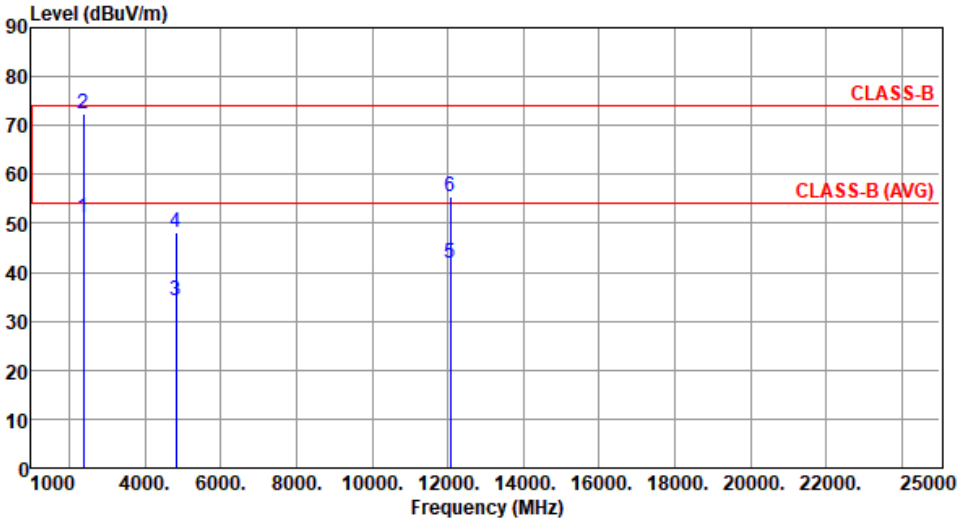

| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 32.74 | 37.86 | 40.00 | -2.14 | 47.68 | -9.82 | QP | 100 | 239 |
| 2 | 91.44 | 33.94 | 43.50 | -9.56 | 48.33 | -14.39 | Peak | --- | --- |
| 3 | 250.38 | 31.25 | 46.00 | -14.75 | 41.19 | -9.94 | Peak | --- | --- |
| 4 | 324.77 | 32.93 | 46.00 | -13.07 | 40.23 | -7.30 | Peak | --- | --- |
| 5 | 475.61 | 37.59 | 46.00 | -8.41 | 41.16 | -3.57 | Peak | --- | --- |
| 6 | 541.44 | 34.72 | 46.00 | -11.28 | 37.15 | -2.43 | Peak | --- | --- |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

## Unwanted Emissions (Above 1GHz) for be EHT20

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2412 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):24 Humidity(%):63

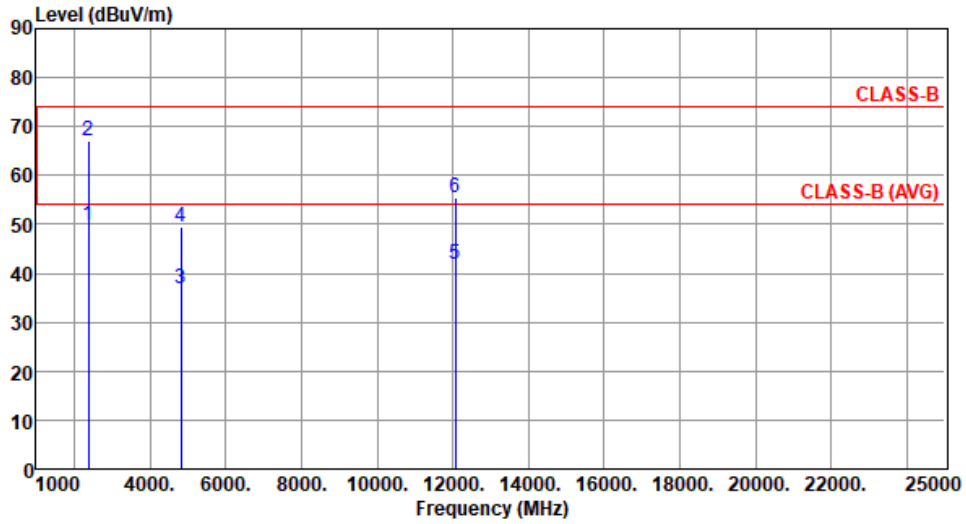



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 51.30 | 54.00 | -2.70 | 55.68 | -4.38 | Average | 200 | 344 |
| 2 | 2390.00 | 72.46 | 74.00 | -1.54 | 76.84 | -4.38 | Peak | 200 | 344 |
| 3 | 4824.00 | 34.16 | 54.00 | -19.84 | 34.57 | -0.41 | Average | 166 | 42 |
| 4 | 4824.00 | 48.02 | 74.00 | -25.98 | 48.43 | -0.41 | Peak | 166 | 42 |
| 5 | 12060.00 | 41.74 | 54.00 | -12.26 | 35.48 | 6.26 | Average | 100 | 128 |
| 6 | 12060.00 | 55.59 | 74.00 | -18.41 | 49.33 | 6.26 | Peak | 100 | 128 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2412 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):24 Humidity(%):63

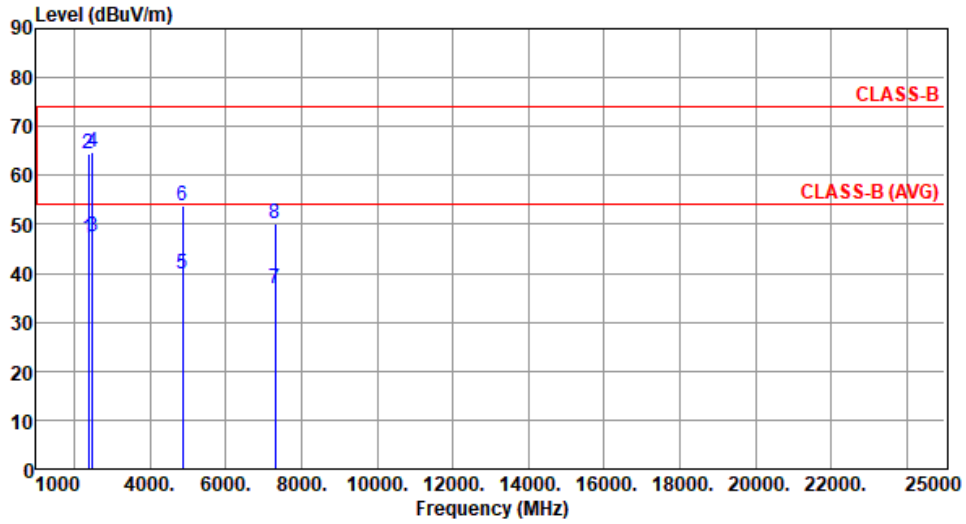



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 49.73 | 54.00 | -4.27 | 54.11 | -4.38 | Average | 120 | 231 |
| 2 | 2390.00 | 67.05 | 74.00 | -6.95 | 71.43 | -4.38 | Peak | 120 | 231 |
| 3 | 4824.00 | 36.75 | 54.00 | -17.25 | 37.16 | -0.41 | Average | 100 | 248 |
| 4 | 4824.00 | 49.36 | 74.00 | -24.64 | 49.77 | -0.41 | Peak | 100 | 248 |
| 5 | 12060.00 | 41.77 | 54.00 | -12.23 | 35.51 | 6.26 | Average | 100 | 227 |
| 6 | 12060.00 | 55.54 | 74.00 | -18.46 | 49.28 | 6.26 | Peak | 100 | 227 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):24 Humidity(%):63

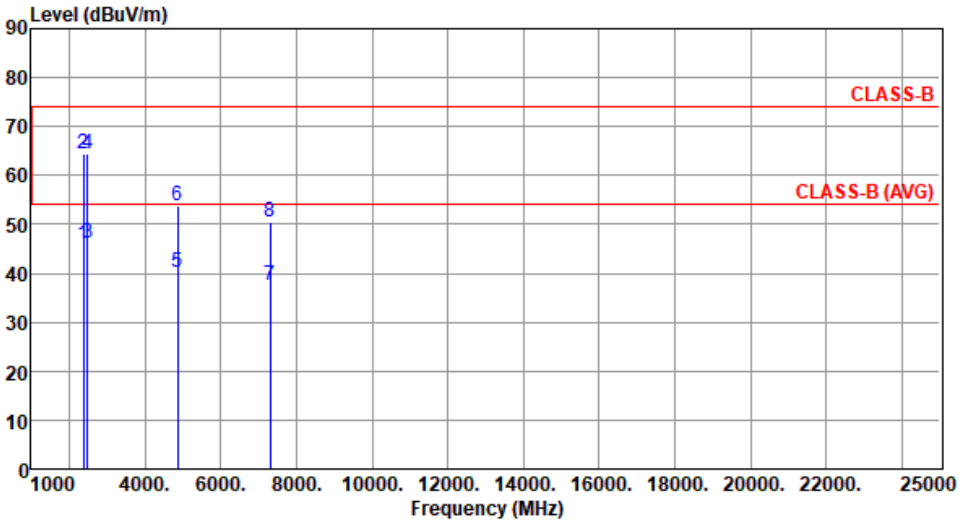



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 47.24 | 54.00 | -6.76 | 51.62 | -4.38 | Average | 205 | 184 |
| 2 | 2390.00 | 64.28 | 74.00 | -9.72 | 68.66 | -4.38 | Peak | 205 | 184 |
| 3 | 2483.50 | 47.44 | 54.00 | -6.56 | 52.19 | -4.75 | Average | 205 | 184 |
| 4 | 2483.50 | 64.61 | 74.00 | -9.39 | 69.36 | -4.75 | Peak | 205 | 184 |
| 5 | 4874.00 | 39.87 | 54.00 | -14.13 | 40.37 | -0.50 | Average | 164 | 23 |
| 6 | 4874.00 | 53.87 | 74.00 | -20.13 | 54.37 | -0.50 | Peak | 164 | 23 |
| 7 | 7311.00 | 36.91 | 54.00 | -17.09 | 31.75 | 5.16 | Average | 100 | 186 |
| 8 | 7311.00 | 50.29 | 74.00 | -23.71 | 45.13 | 5.16 | Peak | 100 | 186 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):24 Humidity(%):63

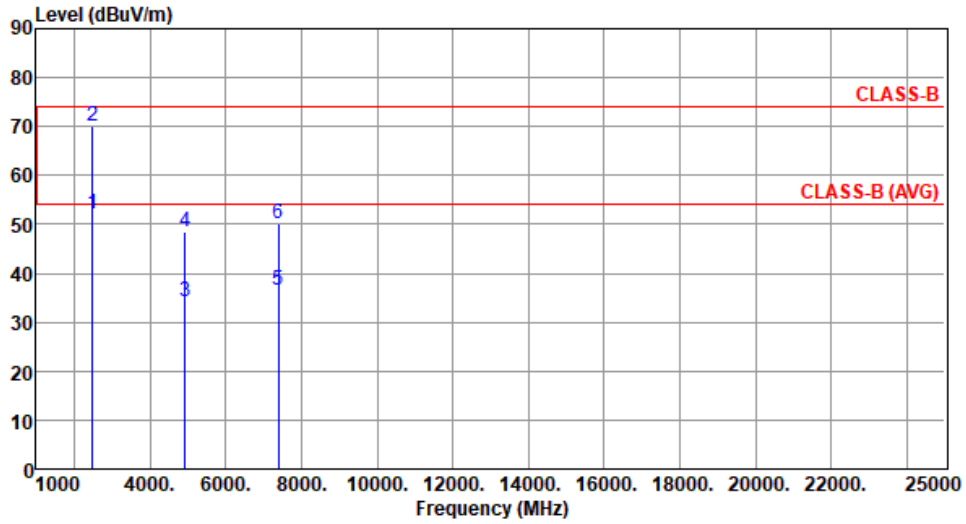



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 45.85 | 54.00 | -8.15 | 50.23 | -4.38 | Average | 161 | 235 |
| 2 | 2390.00 | 64.38 | 74.00 | -9.62 | 68.76 | -4.38 | Peak | 161 | 235 |
| 3 | 2483.50 | 46.10 | 54.00 | -7.90 | 50.85 | -4.75 | Average | 161 | 235 |
| 4 | 2483.50 | 64.48 | 74.00 | -9.52 | 69.23 | -4.75 | Peak | 161 | 235 |
| 5 | 4874.00 | 40.27 | 54.00 | -13.73 | 40.77 | -0.50 | Average | 100 | 238 |
| 6 | 4874.00 | 53.76 | 74.00 | -20.24 | 54.26 | -0.50 | Peak | 100 | 238 |
| 7 | 7311.00 | 37.53 | 54.00 | -16.47 | 32.37 | 5.16 | Average | 100 | 184 |
| 8 | 7311.00 | 50.62 | 74.00 | -23.38 | 45.46 | 5.16 | Peak | 100 | 184 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2462 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):24 Humidity(%):63

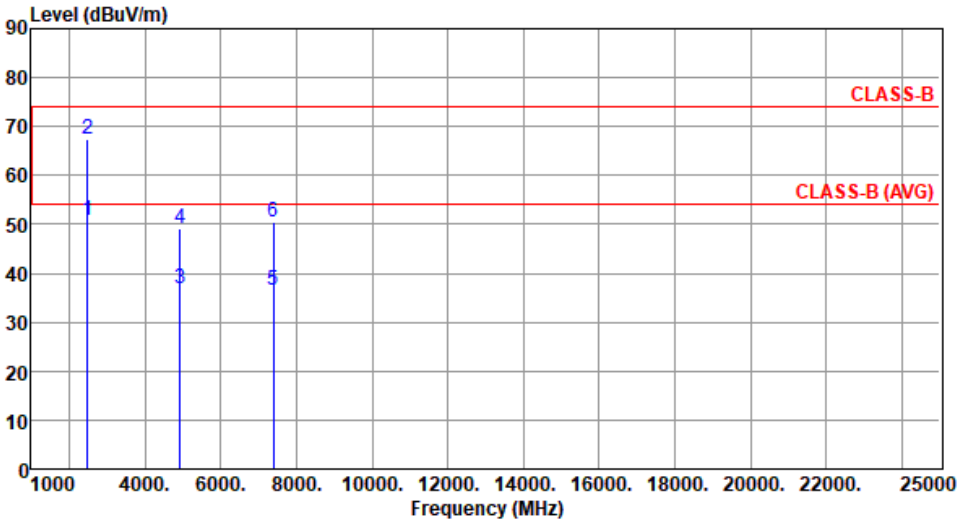



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.50 | 52.23 | 54.00 | -1.77 | 56.98 | -4.75 | Average | 136 | 125 |
| 2 | 2483.50 | 69.91 | 74.00 | -4.09 | 74.66 | -4.75 | Peak | 136 | 125 |
| 3 | 4924.00 | 34.32 | 54.00 | -19.68 | 34.76 | -0.44 | Average | 157 | 133 |
| 4 | 4924.00 | 48.40 | 74.00 | -25.60 | 48.84 | -0.44 | Peak | 157 | 133 |
| 5 | 7386.00 | 36.54 | 54.00 | -17.46 | 31.51 | 5.03 | Average | 100 | 123 |
| 6 | 7386.00 | 50.29 | 74.00 | -23.71 | 45.26 | 5.03 | Peak | 100 | 123 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2462 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):24 Humidity(%):63



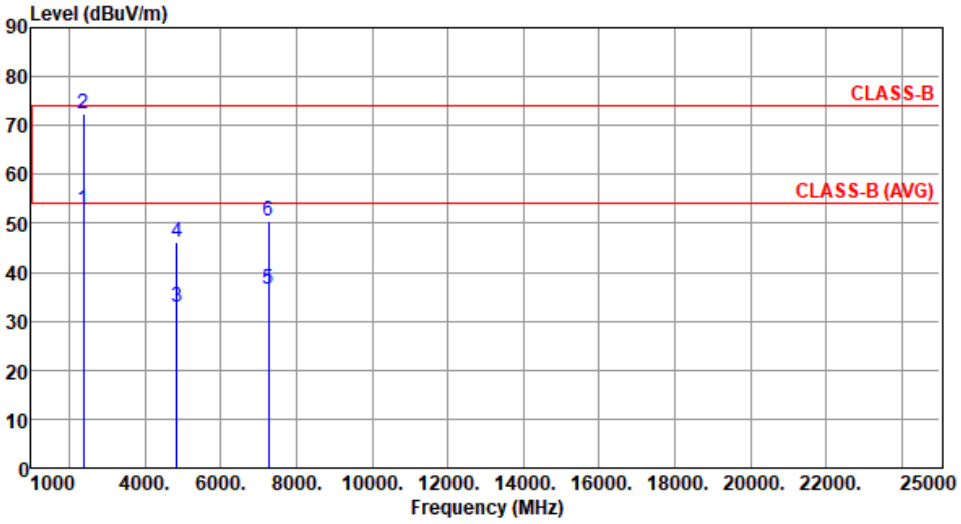

| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.50 | 50.83 | 54.00 | -3.17 | 55.58 | -4.75 | Average | 100 | 133 |
| 2 | 2483.50 | 67.48 | 74.00 | -6.52 | 72.23 | -4.75 | Peak | 100 | 133 |
| 3 | 4924.00 | 37.02 | 54.00 | -16.98 | 37.46 | -0.44 | Average | 123 | 248 |
| 4 | 4924.00 | 49.07 | 74.00 | -24.93 | 49.51 | -0.44 | Peak | 123 | 248 |
| 5 | 7386.00 | 36.45 | 54.00 | -17.55 | 31.42 | 5.03 | Average | 100 | 115 |
| 6 | 7386.00 | 50.40 | 74.00 | -23.60 | 45.37 | 5.03 | Peak | 100 | 115 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

## Unwanted Emissions (Above 1GHz) for be EHT40

| **Modulation** | be EHT40 | **Test Freq. (MHz)** | 2422 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):24 Humidity(%):63

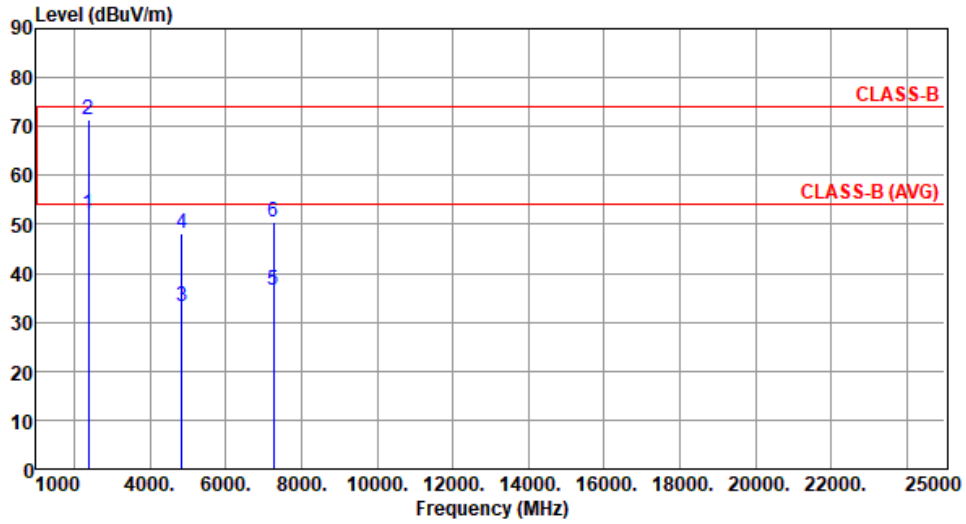



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 52.83 | 54.00 | -1.17 | 57.21 | -4.38 | Average | 171 | 331 |
| 2 | 2390.00 | 72.28 | 74.00 | -1.72 | 76.66 | -4.38 | Peak | 171 | 331 |
| 3 | 4844.00 | 32.97 | 54.00 | -21.03 | 33.42 | -0.45 | Average | 100 | 246 |
| 4 | 4844.00 | 46.27 | 74.00 | -27.73 | 46.72 | -0.45 | Peak | 100 | 246 |
| 5 | 7266.00 | 36.55 | 54.00 | -17.45 | 31.34 | 5.21 | Average | 100 | 117 |
| 6 | 7266.00 | 50.47 | 74.00 | -23.53 | 45.26 | 5.21 | Peak | 100 | 117 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT40 | **Test Freq. (MHz)** | 2422 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):24 Humidity(%):63

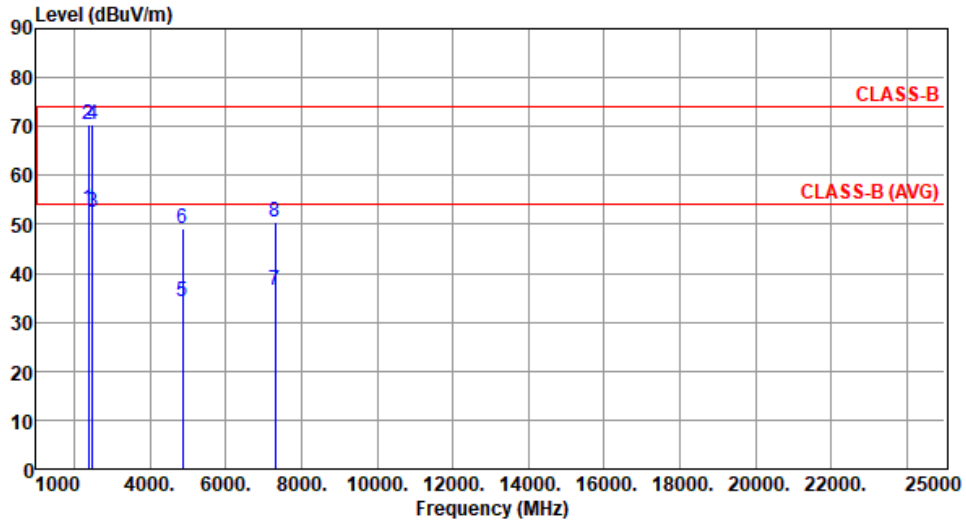



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 52.09 | 54.00 | -1.91 | 56.47 | -4.38 | Average | 104 | 135 |
| 2 | 2390.00 | 71.48 | 74.00 | -2.52 | 75.86 | -4.38 | Peak | 104 | 135 |
| 3 | 4844.00 | 33.30 | 54.00 | -20.70 | 33.75 | -0.45 | Average | 100 | 257 |
| 4 | 4844.00 | 48.31 | 74.00 | -25.69 | 48.76 | -0.45 | Peak | 100 | 257 |
| 5 | 7266.00 | 36.63 | 54.00 | -17.37 | 31.42 | 5.21 | Average | 100 | 148 |
| 6 | 7266.00 | 50.54 | 74.00 | -23.46 | 45.33 | 5.21 | Peak | 100 | 148 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT40 | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):24 Humidity(%):63

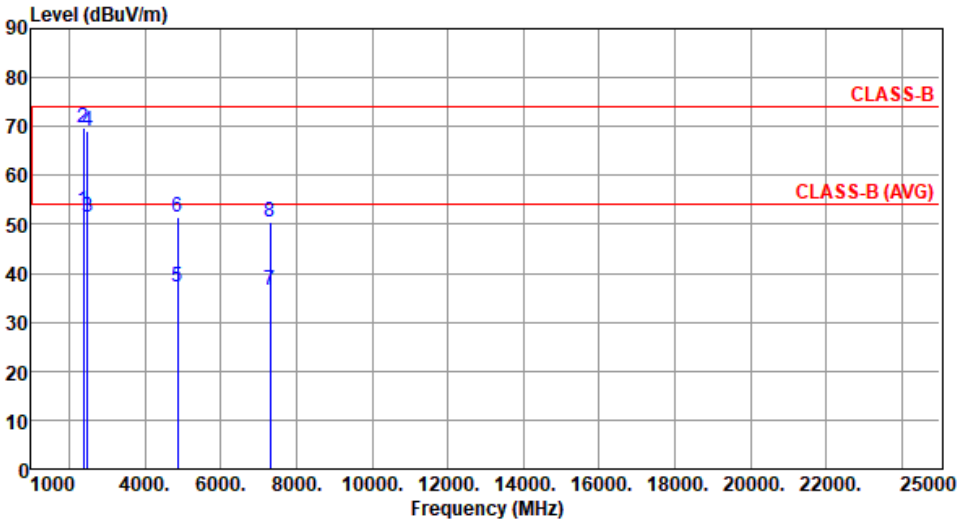



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 52.98 | 54.00 | -1.02 | 57.36 | -4.38 | Average | 184 | 344 |
| 2 | 2390.00 | 70.35 | 74.00 | -3.65 | 74.73 | -4.38 | Peak | 184 | 344 |
| 3 | 2483.50 | 52.34 | 54.00 | -1.66 | 57.09 | -4.75 | Average | 184 | 344 |
| 4 | 2483.50 | 70.41 | 74.00 | -3.59 | 75.16 | -4.75 | Peak | 184 | 344 |
| 5 | 4874.00 | 34.12 | 54.00 | -19.88 | 34.62 | -0.50 | Average | 158 | 33 |
| 6 | 4874.00 | 49.22 | 74.00 | -24.78 | 49.72 | -0.50 | Peak | 158 | 33 |
| 7 | 7311.00 | 36.44 | 54.00 | -17.56 | 31.28 | 5.16 | Average | 100 | 125 |
| 8 | 7311.00 | 50.32 | 74.00 | -23.68 | 45.16 | 5.16 | Peak | 100 | 125 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT40 | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):24 Humidity(%):63

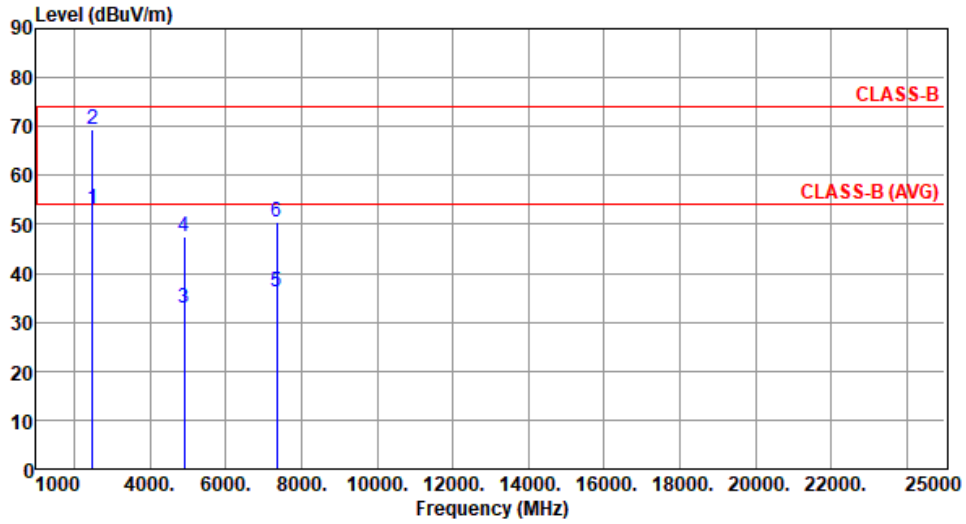



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.00 | 52.76 | 54.00 | -1.24 | 57.14 | -4.38 | Average | 152 | 110 |
| 2 | 2390.00 | 69.78 | 74.00 | -4.22 | 74.16 | -4.38 | Peak | 152 | 110 |
| 3 | 2483.50 | 51.51 | 54.00 | -2.49 | 56.26 | -4.75 | Average | 152 | 110 |
| 4 | 2483.50 | 68.92 | 74.00 | -5.08 | 73.67 | -4.75 | Peak | 152 | 110 |
| 5 | 4874.00 | 37.14 | 54.00 | -16.86 | 37.64 | -0.50 | Average | 113 | 247 |
| 6 | 4874.00 | 51.36 | 74.00 | -22.64 | 51.86 | -0.50 | Peak | 113 | 247 |
| 7 | 7311.00 | 36.54 | 54.00 | -17.46 | 31.38 | 5.16 | Average | 100 | 284 |
| 8 | 7311.00 | 50.45 | 74.00 | -23.55 | 45.29 | 5.16 | Peak | 100 | 284 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT40 | **Test Freq. (MHz)** | 2452 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Sean Yu Temperature(℃):24 Humidity(%):63

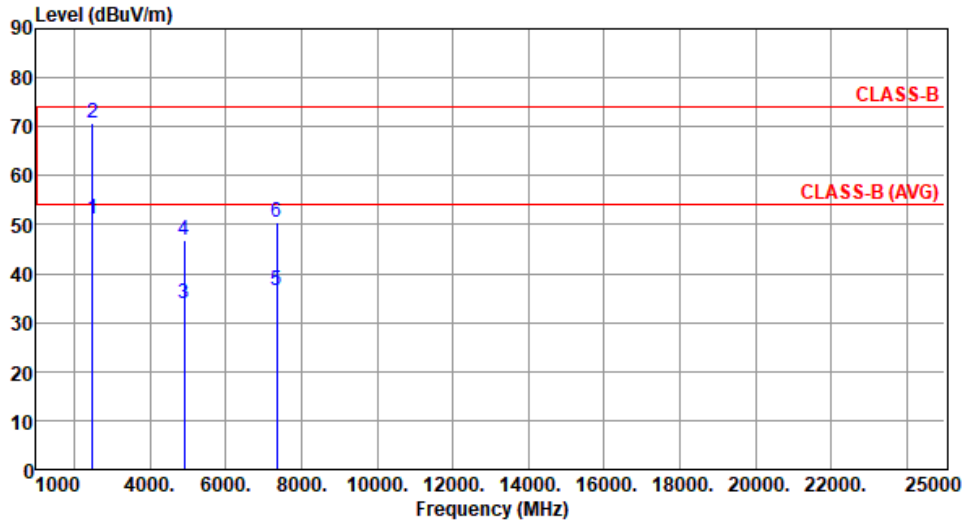



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.50 | 53.03 | 54.00 | -0.97 | 57.78 | -4.75 | Average | 138 | 331 |
| 2 | 2483.50 | 69.41 | 74.00 | -4.59 | 74.16 | -4.75 | Peak | 138 | 331 |
| 3 | 4904.00 | 32.90 | 54.00 | -21.10 | 33.43 | -0.53 | Average | 164 | 34 |
| 4 | 4904.00 | 47.41 | 74.00 | -26.59 | 47.94 | -0.53 | Peak | 164 | 34 |
| 5 | 7356.00 | 36.33 | 54.00 | -17.67 | 31.28 | 5.05 | Average | 100 | 128 |
| 6 | 7356.00 | 50.32 | 74.00 | -23.68 | 45.27 | 5.05 | Peak | 100 | 128 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| **Modulation** | be EHT40 | **Test Freq. (MHz)** | 2452 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Sean Yu Temperature(℃):24 Humidity(%):63



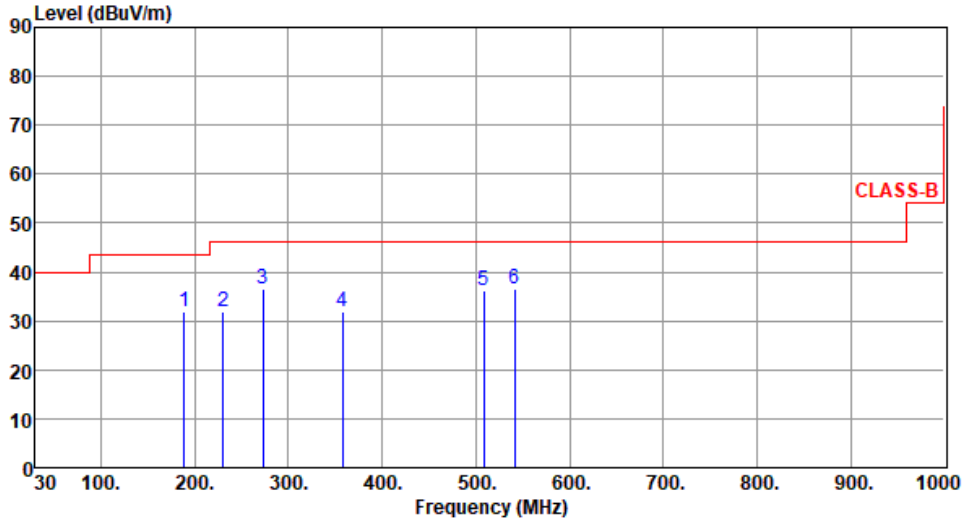

| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.50 | 51.29 | 54.00 | -2.71 | 56.04 | -4.75 | Average | 100 | 128 |
| 2 | 2483.50 | 70.59 | 74.00 | -3.41 | 75.34 | -4.75 | Peak | 100 | 128 |
| 3 | 4904.00 | 33.95 | 54.00 | -20.05 | 34.48 | -0.53 | Average | 100 | 249 |
| 4 | 4904.00 | 46.80 | 74.00 | -27.20 | 47.33 | -0.53 | Peak | 100 | 249 |
| 5 | 7356.00 | 36.57 | 54.00 | -17.43 | 31.52 | 5.05 | Average | 100 | 117 |
| 6 | 7356.00 | 50.43 | 74.00 | -23.57 | 45.38 | 5.05 | Peak | 100 | 117 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

## Configuration 2: Model: SDG-8734v
## Unwanted Emissions (Below 1GHz)

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Horizontal | | |

Test By :Allen Lee Temperature(℃):22 Humidity(%):64

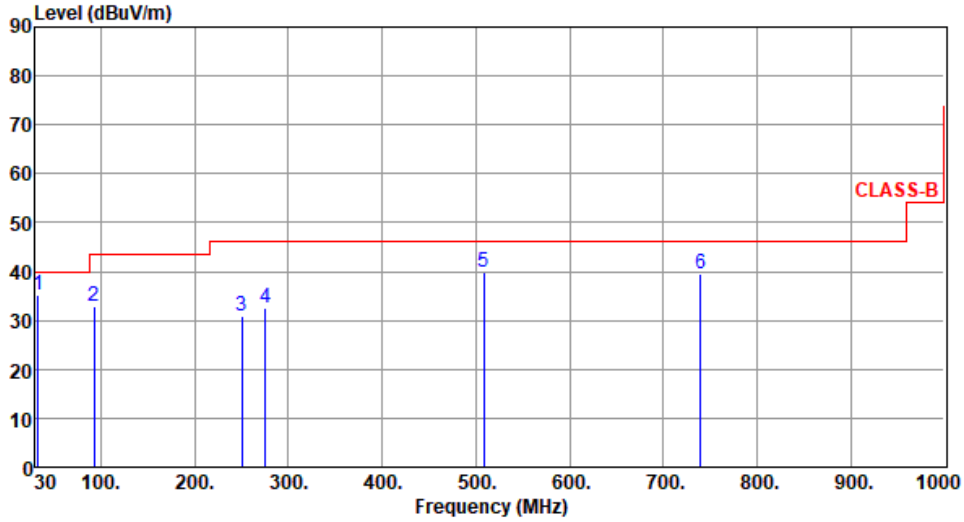



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 188.52 | 31.95 | 43.50 | -11.55 | 43.08 | -11.13 | Peak | --- | --- |
| 2 | 230.34 | 31.98 | 46.00 | -14.02 | 43.44 | -11.46 | Peak | --- | --- |
| 3 | 273.29 | 36.45 | 46.00 | -9.55 | 45.32 | -8.87 | Peak | --- | --- |
| 4 | 357.77 | 31.82 | 46.00 | -14.18 | 38.56 | -6.74 | Peak | --- | --- |
| 5 | 508.15 | 36.04 | 46.00 | -9.96 | 38.83 | -2.79 | Peak | --- | --- |
| 6 | 541.22 | 36.42 | 46.00 | -9.58 | 38.86 | -2.44 | Peak | --- | --- |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

| **Modulation** | be EHT20 | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Polarization** | Vertical | | |

Test By :Allen Lee Temperature(℃):22 Humidity(%):64




| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB/m | Remark | ANT High cm | Turn Table deg |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.14 | 35.19 | 40.00 | -4.81 | 45.02 | -9.83 | QP | 100 | 158 |
| 2 | 92.34 | 32.84 | 43.50 | -10.66 | 47.07 | -14.23 | Peak | --- | --- |
| 3 | 250.35 | 30.96 | 46.00 | -15.04 | 40.90 | -9.94 | Peak | --- | --- |
| 4 | 275.57 | 32.41 | 46.00 | -13.59 | 41.15 | -8.74 | Peak | --- | --- |
| 5 | 508.48 | 39.72 | 46.00 | -6.28 | 42.50 | -2.78 | Peak | --- | --- |
| 6 | 739.44 | 39.36 | 46.00 | -6.64 | 37.51 | 1.85 | Peak | --- | --- |

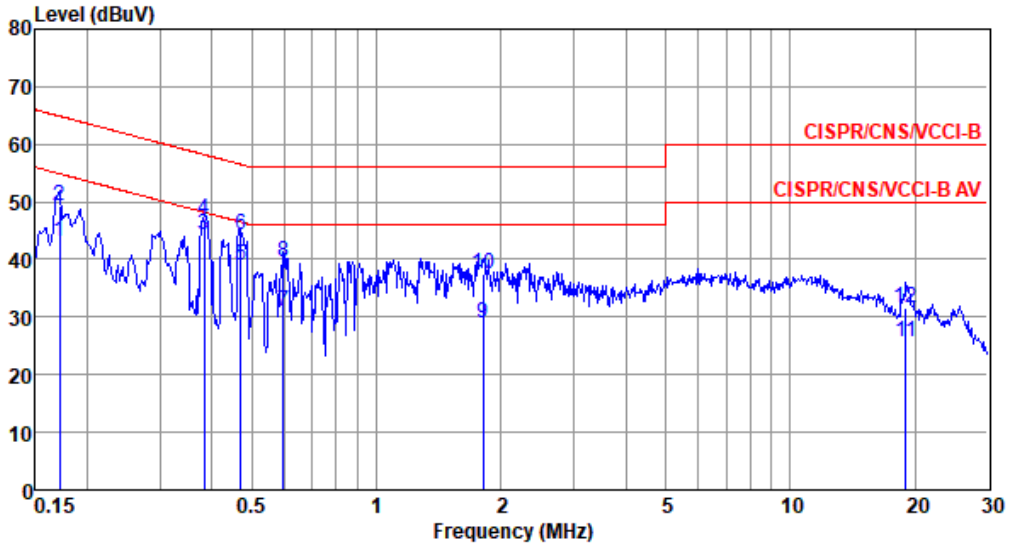
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

## *Non-beamforming mode*

**Configuration 1: Model: SDG-8733v**

| Modulation Mode | 11b | Test Freq. (MHz) | 2437 |
|---|---|---|---|
| Power Phase | Line | | |

Test by : Joe Liao Temperature: 24°C Humidity: 64%

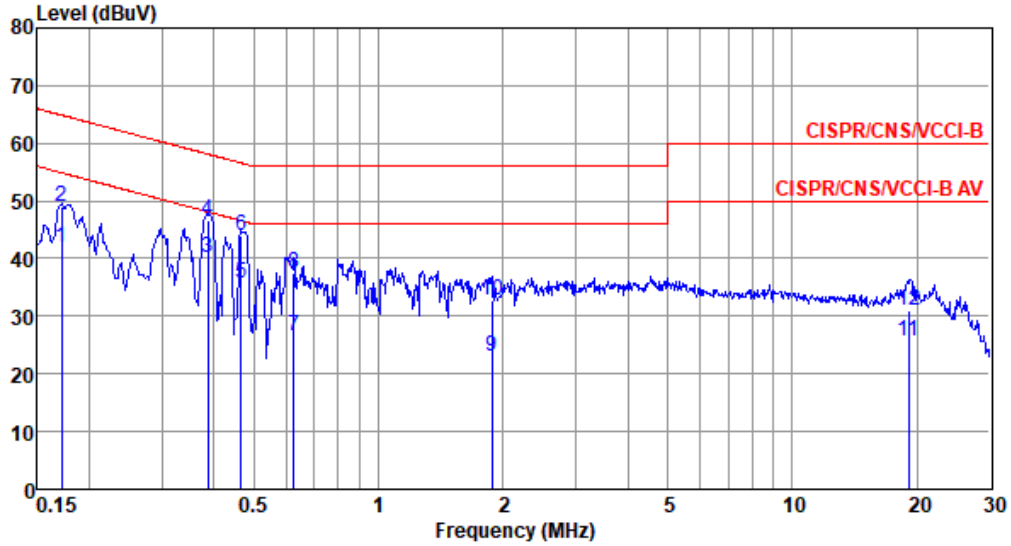



| | Freq | Level | Limit Line | Over Limit | Read Level | Factor | Cable loss | Aux | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dBuV | dB | dBuV | dB | dB | dB | |
| 1 | 0.171 | 42.98 | 54.90 | -11.92 | 33.04 | 9.65 | 0.07 | 0.22 | Average |
| 2 | 0.171 | 49.37 | 64.90 | -15.53 | 39.43 | 9.65 | 0.07 | 0.22 | QP |
| 3* | 0.383 | 44.25 | 48.21 | -3.96 | 34.21 | 9.64 | 0.08 | 0.32 | Average |
| 4 | 0.383 | 47.05 | 58.21 | -11.16 | 37.01 | 9.64 | 0.08 | 0.32 | QP |
| 5 | 0.471 | 38.94 | 46.49 | -7.55 | 28.88 | 9.64 | 0.08 | 0.34 | Average |
| 6 | 0.471 | 44.19 | 56.49 | -12.30 | 34.13 | 9.64 | 0.08 | 0.34 | QP |
| 7 | 0.595 | 31.12 | 46.00 | -14.88 | 21.06 | 9.64 | 0.08 | 0.34 | Average |
| 8 | 0.595 | 39.59 | 56.00 | -16.41 | 29.53 | 9.64 | 0.08 | 0.34 | QP |
| 9 | 1.810 | 28.99 | 46.00 | -17.01 | 18.84 | 9.66 | 0.11 | 0.38 | Average |
| 10 | 1.810 | 37.55 | 56.00 | -18.45 | 27.40 | 9.66 | 0.11 | 0.38 | QP |
| 11 | 19.021 | 25.63 | 50.00 | -24.37 | 14.87 | 9.68 | 0.50 | 0.58 | Average |
| 12 | 19.021 | 31.69 | 60.00 | -28.31 | 20.93 | 9.68 | 0.50 | 0.58 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

| Modulation Mode | 11b | Test Freq. (MHz) | 2437 |
|---|---|---|---|
| Power Phase | Neutral | | |

Test by : Joe Liao Temperature: 24°C Humidity: 64%



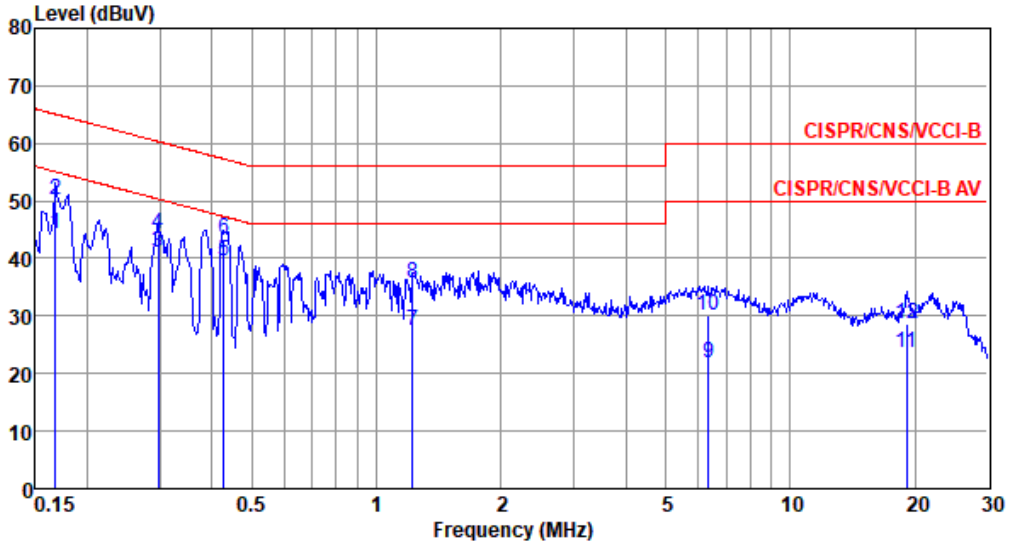

| | Freq | Level | Limit Line | Over Limit | Read Level | Factor | Cable loss | Aux | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dBuV | dB | dBuV | dB | dB | dB | |
| 1 | 0.171 | 41.98 | 54.90 | -12.92 | 32.11 | 9.66 | 0.07 | 0.14 | Average |
| 2 | 0.171 | 48.89 | 64.90 | -16.01 | 39.02 | 9.66 | 0.07 | 0.14 | QP |
| 3* | 0.387 | 40.23 | 48.12 | -7.89 | 30.26 | 9.64 | 0.08 | 0.25 | Average |
| 4 | 0.387 | 46.64 | 58.12 | -11.48 | 36.67 | 9.64 | 0.08 | 0.25 | QP |
| 5 | 0.466 | 35.59 | 46.58 | -10.99 | 25.61 | 9.64 | 0.08 | 0.26 | Average |
| 6 | 0.466 | 43.91 | 56.58 | -12.67 | 33.93 | 9.64 | 0.08 | 0.26 | QP |
| 7 | 0.624 | 26.68 | 46.00 | -19.32 | 16.69 | 9.64 | 0.08 | 0.27 | Average |
| 8 | 0.624 | 37.46 | 56.00 | -18.54 | 27.47 | 9.64 | 0.08 | 0.27 | QP |
| 9 | 1.878 | 23.01 | 46.00 | -22.99 | 12.90 | 9.66 | 0.11 | 0.34 | Average |
| 10 | 1.878 | 32.85 | 56.00 | -23.15 | 22.74 | 9.66 | 0.11 | 0.34 | QP |
| 11 | 19.122 | 25.62 | 50.00 | -24.38 | 14.73 | 9.82 | 0.50 | 0.57 | Average |
| 12 | 19.122 | 31.01 | 60.00 | -28.99 | 20.12 | 9.82 | 0.50 | 0.57 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

## Configuration 2: Model: SDG-8734v

| Modulation Mode | 11b | Test Freq. (MHz) | 2437 |
|---|---|---|---|
| Power Phase | Line | | |

Test by : Joe Liao Temperature: 24°C Humidity: 64%

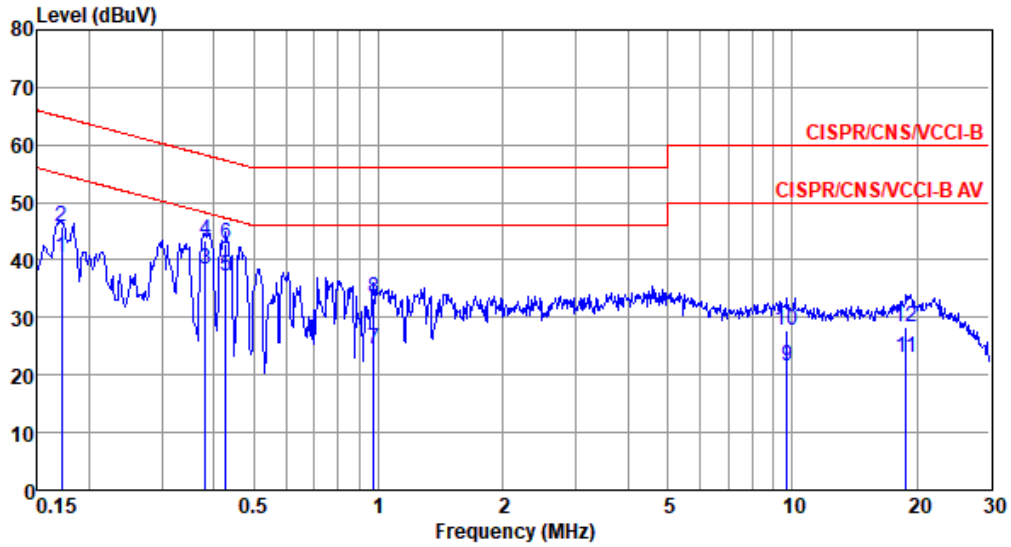



| | Freq | Level | Limit Line | Over Limit | Read Level | Factor | Cable loss | Aux | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dBuV | dB | dBuV | dB | dB | dB | |
| 1 | 0.168 | 44.16 | 55.08 | -10.92 | 34.22 | 9.65 | 0.07 | 0.22 | Average |
| 2 | 0.168 | 50.06 | 65.08 | -15.02 | 40.12 | 9.65 | 0.07 | 0.22 | QP |
| 3 | 0.297 | 41.00 | 50.32 | -9.32 | 30.99 | 9.64 | 0.07 | 0.30 | Average |
| 4 | 0.297 | 44.23 | 60.32 | -16.09 | 34.22 | 9.64 | 0.07 | 0.30 | QP |
| 5* | 0.428 | 39.53 | 47.29 | -7.76 | 29.48 | 9.64 | 0.08 | 0.33 | Average |
| 6 | 0.428 | 43.44 | 57.29 | -13.85 | 33.39 | 9.64 | 0.08 | 0.33 | QP |
| 7 | 1.223 | 27.47 | 46.00 | -18.53 | 17.35 | 9.65 | 0.10 | 0.37 | Average |
| 8 | 1.223 | 35.71 | 56.00 | -20.29 | 25.59 | 9.65 | 0.10 | 0.37 | QP |
| 9 | 6.352 | 21.96 | 50.00 | -28.04 | 11.57 | 9.69 | 0.27 | 0.43 | Average |
| 10 | 6.352 | 30.17 | 60.00 | -29.83 | 19.78 | 9.69 | 0.27 | 0.43 | QP |
| 11 | 19.122 | 23.74 | 50.00 | -26.26 | 12.98 | 9.68 | 0.50 | 0.58 | Average |
| 12 | 19.122 | 28.78 | 60.00 | -31.22 | 18.02 | 9.68 | 0.50 | 0.58 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

| **Modulation Mode** | 11b | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Power Phase** | Neutral | | |

Test by : Joe Liao Temperature: 24°C Humidity: 64%




| | Freq | Level | Limit Line | Over Limit | Read Level | Factor | Cable loss | Aux | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dBuV | dB | dBuV | dB | dB | dB | |
| 1 | 0.171 | 40.39 | 54.90 | -14.51 | 30.52 | 9.66 | 0.07 | 0.14 | Average |
| 2 | 0.171 | 45.88 | 64.90 | -19.02 | 36.01 | 9.66 | 0.07 | 0.14 | QP |
| 3* | 0.381 | 38.42 | 48.25 | -9.83 | 28.46 | 9.64 | 0.08 | 0.24 | Average |
| 4 | 0.381 | 43.52 | 58.25 | -14.73 | 33.56 | 9.64 | 0.08 | 0.24 | QP |
| 5 | 0.428 | 37.20 | 47.29 | -10.09 | 27.23 | 9.64 | 0.08 | 0.25 | Average |
| 6 | 0.428 | 42.68 | 57.29 | -14.61 | 32.71 | 9.64 | 0.08 | 0.25 | QP |
| 7 | 0.974 | 24.53 | 46.00 | -21.47 | 14.49 | 9.65 | 0.09 | 0.30 | Average |
| 8 | 0.974 | 33.45 | 56.00 | -22.55 | 23.41 | 9.65 | 0.09 | 0.30 | QP |
| 9 | 9.705 | 21.49 | 50.00 | -28.51 | 10.99 | 9.74 | 0.34 | 0.42 | Average |
| 10 | 9.705 | 27.63 | 60.00 | -32.37 | 17.13 | 9.74 | 0.34 | 0.42 | QP |
| 11 | 18.820 | 23.09 | 50.00 | -26.91 | 12.20 | 9.82 | 0.50 | 0.57 | Average |
| 12 | 18.820 | 28.34 | 60.00 | -31.66 | 17.45 | 9.82 | 0.50 | 0.57 | QP |

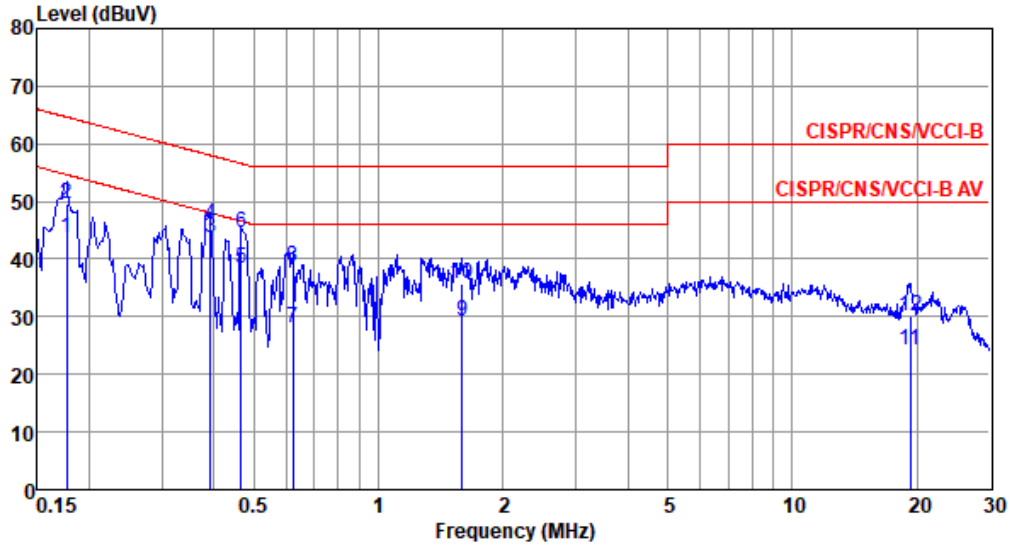
Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

## *Beamforming mode*

### Configuration 1: Model: SDG-8733v

| Modulation Mode | be EHT20 | Test Freq. (MHz) | 2437 |
|---|---|---|---|
| Power Phase | Line | | |

Test by : Joe Liao Temperature: 24°C Humidity: 64%

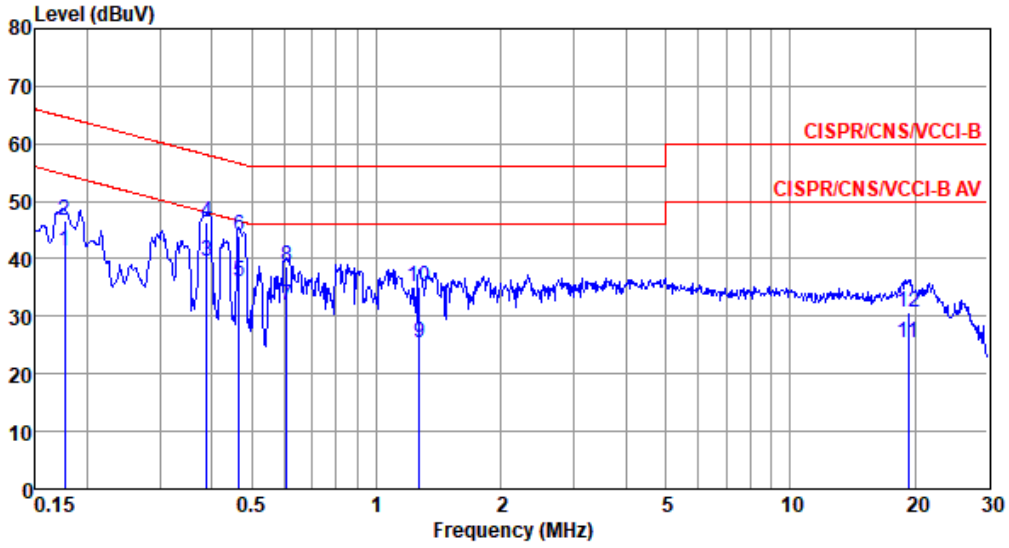



| | Freq | Level | Limit Line | Over Limit | Read Level | Factor | Cable loss | Aux | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dBuV | dB | dBuV | dB | dB | dB | |
| 1 | 0.177 | 43.59 | 54.64 | -11.05 | 33.64 | 9.65 | 0.07 | 0.23 | Average |
| 2 | 0.177 | 49.65 | 64.64 | -14.99 | 39.70 | 9.65 | 0.07 | 0.23 | QP |
| 3* | 0.393 | 43.65 | 47.99 | -4.34 | 33.60 | 9.64 | 0.08 | 0.33 | Average |
| 4 | 0.393 | 46.13 | 57.99 | -11.86 | 36.08 | 9.64 | 0.08 | 0.33 | QP |
| 5 | 0.466 | 38.34 | 46.58 | -8.24 | 28.28 | 9.64 | 0.08 | 0.34 | Average |
| 6 | 0.466 | 44.62 | 56.58 | -11.96 | 34.56 | 9.64 | 0.08 | 0.34 | QP |
| 7 | 0.621 | 28.08 | 46.00 | -17.92 | 18.02 | 9.64 | 0.08 | 0.34 | Average |
| 8 | 0.621 | 38.75 | 56.00 | -17.25 | 28.69 | 9.64 | 0.08 | 0.34 | QP |
| 9 | 1.593 | 29.30 | 46.00 | -16.70 | 19.17 | 9.66 | 0.10 | 0.37 | Average |
| 10 | 1.593 | 35.70 | 56.00 | -20.30 | 25.57 | 9.66 | 0.10 | 0.37 | QP |
| 11 | 19.326 | 24.30 | 50.00 | -25.70 | 13.53 | 9.68 | 0.50 | 0.59 | Average |
| 12 | 19.326 | 30.05 | 60.00 | -29.95 | 19.28 | 9.68 | 0.50 | 0.59 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

| **Modulation Mode** | be EHT20 | **Test Freq. (MHz)** | 2437 |
|---|---|---|---|
| **Power Phase** | Neutral | | |

Test by : Joe Liao Temperature: 24°C Humidity: 64%



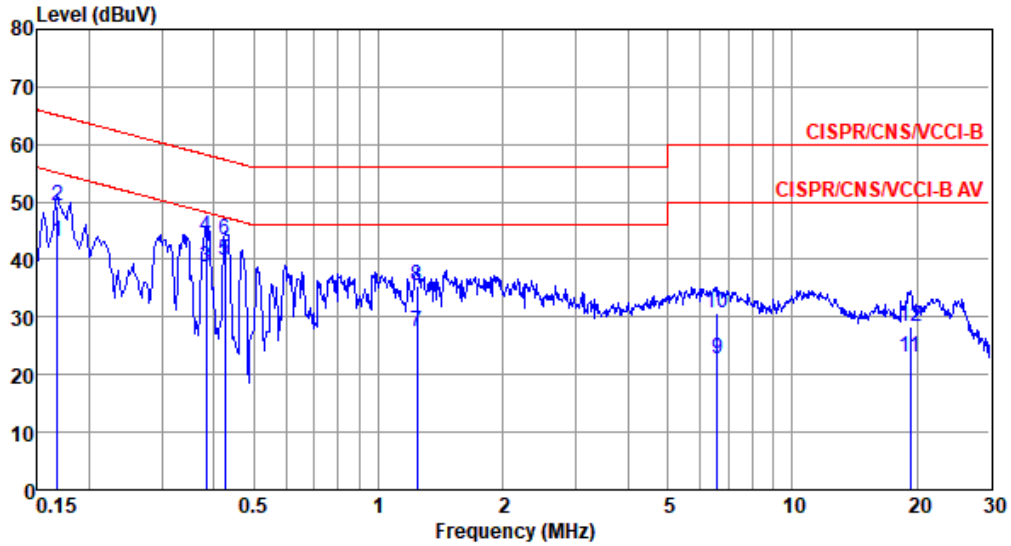

| | Freq | Level | Limit Line | Over Limit | Read Level | Factor | Cable loss | Aux | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dBuV | dB | dBuV | dB | dB | dB | |
| 1 | 0.177 | 41.19 | 54.64 | -13.45 | 31.32 | 9.65 | 0.07 | 0.15 | Average |
| 2 | 0.177 | 46.58 | 64.64 | -18.06 | 36.71 | 9.65 | 0.07 | 0.15 | QP |
| 3* | 0.389 | 39.66 | 48.08 | -8.42 | 29.69 | 9.64 | 0.08 | 0.25 | Average |
| 4 | 0.389 | 46.24 | 58.08 | -11.84 | 36.27 | 9.64 | 0.08 | 0.25 | QP |
| 5 | 0.466 | 35.91 | 46.58 | -10.67 | 25.93 | 9.64 | 0.08 | 0.26 | Average |
| 6 | 0.466 | 43.95 | 56.58 | -12.63 | 33.97 | 9.64 | 0.08 | 0.26 | QP |
| 7 | 0.608 | 31.85 | 46.00 | -14.15 | 21.86 | 9.64 | 0.08 | 0.27 | Average |
| 8 | 0.608 | 38.63 | 56.00 | -17.37 | 28.64 | 9.64 | 0.08 | 0.27 | QP |
| 9 | 1.269 | 25.43 | 46.00 | -20.57 | 15.37 | 9.65 | 0.10 | 0.31 | Average |
| 10 | 1.269 | 35.03 | 56.00 | -20.97 | 24.97 | 9.65 | 0.10 | 0.31 | QP |
| 11 | 19.326 | 25.51 | 50.00 | -24.49 | 14.60 | 9.83 | 0.50 | 0.58 | Average |
| 12 | 19.326 | 30.84 | 60.00 | -29.16 | 19.93 | 9.83 | 0.50 | 0.58 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

## Configuration 2: Model: SDG-8734v

| Modulation Mode | be EHT20 | Test Freq. (MHz) | 2437 |
|---|---|---|---|
| Power Phase | Line | | |

Test by : Joe Liao Temperature: 24°C Humidity: 64%

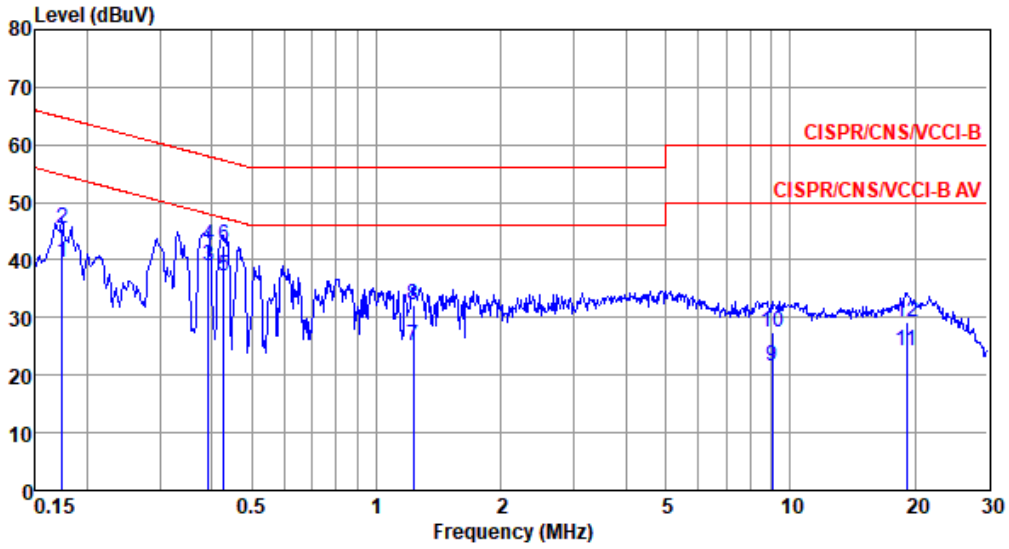



| | Freq | Level | Limit Line | Over Limit | Read Level | Factor | Cable loss | Aux | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dBuV | dB | dBuV | dB | dB | dB | |
| 1 | 0.168 | 43.07 | 55.08 | -12.01 | 33.13 | 9.65 | 0.07 | 0.22 | Average |
| 2 | 0.168 | 49.28 | 65.08 | -15.80 | 39.34 | 9.65 | 0.07 | 0.22 | QP |
| 3 | 0.383 | 38.70 | 48.21 | -9.51 | 28.66 | 9.64 | 0.08 | 0.32 | Average |
| 4 | 0.383 | 44.13 | 58.21 | -14.08 | 34.09 | 9.64 | 0.08 | 0.32 | QP |
| 5* | 0.426 | 39.92 | 47.33 | -7.41 | 29.87 | 9.64 | 0.08 | 0.33 | Average |
| 6 | 0.426 | 43.40 | 57.33 | -13.93 | 33.35 | 9.64 | 0.08 | 0.33 | QP |
| 7 | 1.242 | 27.37 | 46.00 | -18.63 | 17.25 | 9.65 | 0.10 | 0.37 | Average |
| 8 | 1.242 | 35.53 | 56.00 | -20.47 | 25.41 | 9.65 | 0.10 | 0.37 | QP |
| 9 | 6.592 | 22.79 | 50.00 | -27.21 | 12.40 | 9.69 | 0.27 | 0.43 | Average |
| 10 | 6.592 | 30.70 | 60.00 | -29.30 | 20.31 | 9.69 | 0.27 | 0.43 | QP |
| 11 | 19.326 | 23.16 | 50.00 | -26.84 | 12.39 | 9.68 | 0.50 | 0.59 | Average |
| 12 | 19.326 | 28.40 | 60.00 | -31.60 | 17.63 | 9.68 | 0.50 | 0.59 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

| Modulation Mode | be EHT20 | Test Freq. (MHz) | 2437 |
|---|---|---|---|
| Power Phase | Neutral | | |

Test by : Joe Liao Temperature: 24°C Humidity: 64%




| | Freq | Level | Limit Line | Over Limit | Read Level | Factor | Cable loss | Aux | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dBuV | dB | dBuV | dB | dB | dB | |
| 1 | 0.174 | 39.47 | 54.77 | -15.30 | 29.60 | 9.65 | 0.07 | 0.15 | Average |
| 2 | 0.174 | 45.31 | 64.77 | -19.46 | 35.44 | 9.65 | 0.07 | 0.15 | QP |
| 3* | 0.393 | 38.90 | 47.99 | -9.09 | 28.93 | 9.64 | 0.08 | 0.25 | Average |
| 4 | 0.393 | 42.63 | 57.99 | -15.36 | 32.66 | 9.64 | 0.08 | 0.25 | QP |
| 5 | 0.428 | 37.22 | 47.29 | -10.07 | 27.25 | 9.64 | 0.08 | 0.25 | Average |
| 6 | 0.428 | 42.65 | 57.29 | -14.64 | 32.68 | 9.64 | 0.08 | 0.25 | QP |
| 7 | 1.229 | 24.95 | 46.00 | -21.05 | 14.89 | 9.65 | 0.10 | 0.31 | Average |
| 8 | 1.229 | 32.27 | 56.00 | -23.73 | 22.21 | 9.65 | 0.10 | 0.31 | QP |
| 9 | 9.059 | 21.67 | 50.00 | -28.33 | 11.19 | 9.73 | 0.33 | 0.42 | Average |
| 10 | 9.059 | 27.38 | 60.00 | -32.62 | 16.90 | 9.73 | 0.33 | 0.42 | QP |
| 11 | 19.122 | 24.09 | 50.00 | -25.91 | 13.20 | 9.82 | 0.50 | 0.57 | Average |
| 12 | 19.122 | 29.28 | 60.00 | -30.72 | 18.39 | 9.82 | 0.50 | 0.57 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).