



# FCC Radio Test Report

## FCC ID: 2BH7FEAP603OD

This report concerns: Original Grant

**Project No.** : 2501G023  
**Equipment** : AX1800 Indoor/Outdoor Wi-Fi 6 Access Point  
**Brand Name** : tp-link  
**Test Model** : EAP603-Outdoor  
**Series Model** : N/A  
**Applicant** : TP-Link Systems Inc.  
**Address** : 10 Mauchly, Irvine, CA 92618  
**Manufacturer** : TP-Link Systems Inc.  
**Address** : 10 Mauchly, Irvine, CA 92618  
**Date of Receipt** : Feb. 28, 2025  
**Date of Test** : Mar. 05, 2025 ~ Jun. 07, 2025  
**Issued Date** : Jul. 30, 2025  
**Test Sample** : Engineering Sample No.: DG2025022823 for Radiated (below 30 MHz, 1 GHz to 18 GHz) & AC Power Line Conducted Emissions & power, DG2025041041 for Radiated (30 MHz to 1 GHz, above 18 GHz), DG2025031354 for other.  
**Standard(s)** : FCC CFR Title 47, Part 15, Subpart C

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan).

**Prepared by** :   
 Chella Zheng  
**Approved by** :   
 Welly Zhou

No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.  
 Tel: +86-769-8318-3000    Web: [www.newbtl.com](http://www.newbtl.com)    Service mail: [btl\\_qa@newbtl.com](mailto:btl_qa@newbtl.com)

**Declaration**

**BTL** represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

**BTL's** reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

The report must not be used by the client to claim product certification, approval, or endorsement by A2LA or any agency of the U.S. Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

**BTL's** laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

**BTL** is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

**Limitation**

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

| <b>Table of Contents</b>                                     | <b>Page</b> |
|--------------------------------------------------------------|-------------|
| <b>REPORT ISSUED HISTORY</b>                                 | <b>6</b>    |
| <b>1 . APPLICABLE STANDARDS</b>                              | <b>7</b>    |
| <b>2 . SUMMARY OF TEST RESULTS</b>                           | <b>7</b>    |
| 2.1 TEST FACILITY                                            | 8           |
| 2.2 MEASUREMENT UNCERTAINTY                                  | 8           |
| 2.3 TEST ENVIRONMENT CONDITIONS                              | 9           |
| <b>3 . GENERAL INFORMATION</b>                               | <b>10</b>   |
| 3.1 GENERAL DESCRIPTION OF EUT                               | 10          |
| 3.2 DESCRIPTION OF TEST MODES                                | 12          |
| 3.3 PARAMETERS OF TEST SOFTWARE                              | 13          |
| 3.4 DUTY CYCLE                                               | 14          |
| 3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED | 16          |
| 3.6 SUPPORT UNITS                                            | 16          |
| 3.7 CUSTOMER INFORMATION DESCRIPTION                         | 16          |
| <b>4 . AC POWER LINE CONDUCTED EMISSIONS</b>                 | <b>17</b>   |
| 4.1 LIMIT                                                    | 17          |
| 4.2 TEST PROCEDURE                                           | 17          |
| 4.3 DEVIATION FROM TEST STANDARD                             | 17          |
| 4.4 TEST SETUP                                               | 18          |
| 4.5 EUT OPERATION CONDITIONS                                 | 18          |
| 4.6 TEST RESULTS                                             | 18          |
| <b>5 . RADIATED EMISSIONS</b>                                | <b>19</b>   |
| 5.1 LIMIT                                                    | 19          |
| 5.2 TEST PROCEDURE                                           | 20          |
| 5.3 DEVIATION FROM TEST STANDARD                             | 21          |
| 5.4 TEST SETUP                                               | 21          |
| 5.5 EUT OPERATION CONDITIONS                                 | 23          |
| 5.6 TEST RESULTS - 9 KHZ TO 30 MHZ                           | 23          |
| 5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ                        | 23          |
| 5.8 TEST RESULTS - ABOVE 1000 MHZ                            | 23          |
| <b>6 . BANDWIDTH</b>                                         | <b>24</b>   |
| 6.1 LIMIT                                                    | 24          |

| <b>Table of Contents</b>                                   | <b>Page</b> |
|------------------------------------------------------------|-------------|
| 6.2 TEST PROCEDURE                                         | 24          |
| 6.3 DEVIATION FROM STANDARD                                | 24          |
| 6.4 TEST SETUP                                             | 24          |
| 6.5 EUT OPERATION CONDITIONS                               | 24          |
| 6.6 TEST RESULTS                                           | 24          |
| <b>7 . MAXIMUM OUTPUT POWER</b>                            | <b>25</b>   |
| 7.1 LIMIT                                                  | 25          |
| 7.2 TEST PROCEDURE                                         | 25          |
| 7.3 DEVIATION FROM STANDARD                                | 25          |
| 7.4 TEST SETUP                                             | 25          |
| 7.5 EUT OPERATION CONDITIONS                               | 25          |
| 7.6 TEST RESULTS                                           | 25          |
| <b>8 . CONDUCTED SPURIOUS EMISSIONS</b>                    | <b>26</b>   |
| 8.1 LIMIT                                                  | 26          |
| 8.2 TEST PROCEDURE                                         | 26          |
| 8.3 DEVIATION FROM STANDARD                                | 26          |
| 8.4 TEST SETUP                                             | 27          |
| 8.5 EUT OPERATION CONDITIONS                               | 27          |
| 8.6 TEST RESULTS                                           | 27          |
| <b>9 . POWER SPECTRAL DENSITY</b>                          | <b>28</b>   |
| 9.1 LIMIT                                                  | 28          |
| 9.2 TEST PROCEDURE                                         | 28          |
| 9.3 DEVIATION FROM STANDARD                                | 28          |
| 9.4 TEST SETUP                                             | 28          |
| 9.5 EUT OPERATION CONDITIONS                               | 28          |
| 9.6 TEST RESULTS                                           | 28          |
| <b>10 . MEASUREMENT INSTRUMENTS LIST</b>                   | <b>29</b>   |
| <b>11 . EUT TEST PHOTO</b>                                 | <b>32</b>   |
| <b>APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS</b>      | <b>38</b>   |
| <b>APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ</b>    | <b>41</b>   |
| <b>APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ</b> | <b>46</b>   |
| <b>APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ</b>      | <b>49</b>   |

**Table of Contents****Page**

|                                                  |            |
|--------------------------------------------------|------------|
| <b>APPENDIX E - BANDWIDTH</b>                    | <b>88</b>  |
| <b>APPENDIX F - MAXIMUM OUTPUT POWER</b>         | <b>95</b>  |
| <b>APPENDIX G - CONDUCTED SPURIOUS EMISSIONS</b> | <b>102</b> |
| <b>APPENDIX H - POWER SPECTRAL DENSITY</b>       | <b>115</b> |

### REPORT ISSUED HISTORY

| Report No.          | Version | Description                                                                                                                                                                                               | Issued Date   | Note    |
|---------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------|
| BTL-FCCP-1-2501G023 | R00     | Original Report.                                                                                                                                                                                          | Jul. 18, 2025 | Invalid |
| BTL-FCCP-1-2501G023 | R01     | This report modified the brand name in page 1 and 10. It is a revision of the report BTL-FCCP-1-2501G023 R00. This is a newly released report, replacing the BTL-FCCP-1-2501G023 R00 report.              | Jul. 29, 2025 | Invalid |
| BTL-FCCP-1-2501G023 | R02     | This report modified the antenna connection method in chapter 3.1. It is a revision of the report BTL-FCCP-1-2501G023 R01. This is a newly released report, replacing the BTL-FCCP-1-2501G023 R01 report. | Jul. 30, 2025 | Invalid |
| BTL-FCCP-1-2501G023 | R03     | This report modified the description in chapter 2. It is a revision of the report BTL-FCCP-1-2501G023 R02. This is a newly released report, replacing the BTL-FCCP-1-2501G023 R02 report.                 | Jul. 30, 2025 | Valid   |

## 1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of A2LA:

KDB 558074 D01 15.247 Meas Guidance v05r02

KDB 662911 D01 Multiple Transmitter Output v02r01

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| FCC CFR Title 47, Part 15, Subpart C |                                   |                                        |          |         |
|--------------------------------------|-----------------------------------|----------------------------------------|----------|---------|
| Standard(s) Section                  | Test Item                         | Test Result                            | Judgment | Remark  |
| 15.207                               | AC Power Line Conducted Emissions | APPENDIX A                             | PASS     | -----   |
| 15.247(d)<br>15.205(a)<br>15.209(a)  | Radiated Emissions                | APPENDIX B<br>APPENDIX C<br>APPENDIX D | PASS     | -----   |
| 15.247(a)(2)                         | Bandwidth                         | APPENDIX E                             | PASS     | -----   |
| 15.247(b)(3)                         | Maximum Output Power              | APPENDIX F                             | PASS     | -----   |
| 15.247(d)                            | Conducted Spurious Emissions      | APPENDIX G                             | PASS     | -----   |
| 15.247(e)                            | Power Spectral Density            | APPENDIX H                             | PASS     | -----   |
| 15.203                               | Antenna Requirement               | -----                                  | PASS     | Note(2) |

Note:

(1) "N/A" denotes test is not applicable in this test report.

(2) The device what use 2 detachable antennas with unique connector were considered sufficient to comply with the provisions of 15.203.

## 2.1 TEST FACILITY

The test facilities used to collect the test data in this report:

For Radiated Emissions - Above 1GHz test items: Room 102 & 702, Building A3, No.9, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

For other test items: No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

BTL's Registration Number for FCC: 747969

BTL's Designation Number for FCC: CN1377

## 2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95.45% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

### A. AC power line conducted emissions test:

| Test Site | Method | Measurement Frequency Range | U,(dB) |
|-----------|--------|-----------------------------|--------|
| DG-C02    | CISPR  | 150kHz ~ 30MHz              | 2.88   |

### B. Radiated emissions test:

| Test Site | Method | Measurement Frequency Range | U,(dB) |
|-----------|--------|-----------------------------|--------|
| DG-CB01   | CISPR  | 9kHz ~ 30MHz                | 2.36   |

| Test Site       | Method | Measurement Frequency Range | Ant.<br>H / V | U,(dB) |
|-----------------|--------|-----------------------------|---------------|--------|
| DG-CB03<br>(3m) | CISPR  | 30MHz ~ 200MHz              | V             | 4.40   |
|                 |        | 30MHz ~ 200MHz              | H             | 3.62   |
|                 |        | 200MHz ~ 1,000MHz           | V             | 4.58   |
|                 |        | 200MHz ~ 1,000MHz           | H             | 3.98   |

| Test Site       | Method | Measurement Frequency Range | U,(dB) |
|-----------------|--------|-----------------------------|--------|
| DG-CB18<br>(3m) | CISPR  | 1GHz ~ 6GHz                 | 4.48   |
|                 |        | 6GHz ~ 18GHz                | 3.88   |

| Test Site       | Method | Measurement Frequency Range | U,(dB) |
|-----------------|--------|-----------------------------|--------|
| DG-CB18<br>(1m) | CISPR  | 18 ~ 26.5 GHz               | 3.56   |

C. Other Measurement:

| Test Item                   | Uncertainty |
|-----------------------------|-------------|
| Bandwidth                   | 0.90 %      |
| Maximum Output Power        | 1.3 dB      |
| Conducted Spurious Emission | 1.9 dB      |
| Power Spectral Density      | 1.4 dB      |
| Temperature                 | 0.8 °C      |
| Humidity                    | 2.2 %       |

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

## 2.3 TEST ENVIRONMENT CONDITIONS

| Test Item                               | Temperature | Humidity | Test Voltage | Tested By               | Test Date                        |
|-----------------------------------------|-------------|----------|--------------|-------------------------|----------------------------------|
| AC Power Line<br>Conducted Emissions    | 22°C        | 53%      | PoE 48V      | Hayden Chen             | Mar. 12, 2025                    |
| Radiated Emissions-<br>9kHz to 30 MHz   | 20°C        | 48%      | AC 120V/60Hz | Hayden Chen             | Mar. 21, 2025                    |
| Radiated Emissions-<br>30MHz to 1000MHz | 25°C        | 55%      | PoE 48V      | Calvin Wen              | Jun. 06, 2025                    |
| Radiated Emissions-<br>Above 1000MHz    | 22°C        | 56%      | PoE 48V      | Chen Mo                 | Mar. 21, 2025                    |
|                                         | 22°C        | 45%      | PoE 48V      | Drew Tan                | May 15, 2025                     |
| Bandwidth                               | 23°C        | 52%      | PoE 48V      | Hayden Chen             | Apr. 07, 2025                    |
| Maximum Output Power                    | 23-25°C     | 50-53%   | PoE 48V      | Meers Zhang<br>Alex Yin | Mar. 12, 2025 -<br>Apr. 14, 2025 |
| Conducted Spurious<br>Emissions         | 23°C        | 52%      | PoE 48V      | Hayden Chen             | Apr. 07, 2025                    |
| Power Spectral Density                  | 23°C        | 52%      | PoE 48V      | Hayden Chen             | Apr. 07, 2025                    |

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

|                         |                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment               | AX1800 Indoor/Outdoor Wi-Fi 6 Access Point                                                                                                   |
| Brand Name              | tp-link                                                                                                                                      |
| Test Model              | EAP603-Outdoor                                                                                                                               |
| Series Model            | N/A                                                                                                                                          |
| Model Difference(s)     | N/A                                                                                                                                          |
| Hardware Version        | V1                                                                                                                                           |
| Software Version        | V1                                                                                                                                           |
| Power Source            | 1# DC Voltage supplied from PoE adapter.<br>Model: POE4824G<br>2# Supplied from PoE port.                                                    |
| Power Rating            | 1# I/P: 100-240V~, 50/60Hz, 0.8A<br>O/P: 48.0V --- 0.5A 24.0W +4,5pins; -7,8pins<br>2# PoE: 42.5-57V --- 0.6A 802.3at                        |
| Operation Frequency     | 2412 MHz ~ 2462 MHz                                                                                                                          |
| Modulation Type         | IEEE 802.11b: DSSS<br>IEEE 802.11g: OFDM<br>IEEE 802.11n: OFDM<br>IEEE 802.11ax: OFDMA                                                       |
| Bit Rate of Transmitter | IEEE 802.11b: 11/5.5/2/1 Mbps<br>IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps<br>IEEE 802.11n: up to 300 Mbps<br>IEEE 802.11ax: up to 573.6 Mbps |
| Maximum Output Power    | IEEE 802.11n40: 25.79 dBm (0.3793 W)                                                                                                         |

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

#### 2. Channel List:

| CH01 - CH11 for IEEE 802.11b, IEEE 802.11g, IEEE 802.11n(HT20), IEEE 802.11ax(HE20) |                 |         |                 |         |                 |         |                 |
|-------------------------------------------------------------------------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| CH03 - CH09 for IEEE 802.11n(HT40), IEEE 802.11ax(HE40)                             |                 |         |                 |         |                 |         |                 |
| Channel                                                                             | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 01                                                                                  | 2412            | 04      | 2427            | 07      | 2442            | 10      | 2457            |
| 02                                                                                  | 2417            | 05      | 2432            | 08      | 2447            | 11      | 2462            |
| 03                                                                                  | 2422            | 06      | 2437            | 09      | 2452            |         |                 |

#### 3. Antenna Specification:

| Ant. | Brand                | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|----------------------|------------|--------------|-----------|------------|
| 1    | TP-Link Systems Inc. | N/A        | Dipole       | RP-SMA    | 4.08       |
| 2    | TP-Link Systems Inc. | N/A        | Dipole       | RP-SMA    | 4.08       |

Note:

- This EUT supports CDD, and all antennas have the same gain, Directional gain =  $G_{ANT} + \text{Array Gain}$ .  
For power measurements, Array Gain=0dB ( $N_{ANT} \leq 4$ ), so the Directional gain=4.08.  
For power spectral density measurements, Directional gain(each angle)= $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N]$  dBi.  
So the Directional gain(each angle)= $10\log[(10^{4.05/20} + 10^{4.44/20})^2 / 2]$  dBi=7.26.  
Then, the power spectral density limit is  $8 - (7.26 - 6) = 6.74$ .
- Beamforming gain: 3dBi.

4. Table for Antenna Configuration:

| Operating Mode      | TX Mode | 2TX                |
|---------------------|---------|--------------------|
| IEEE 802.11b        |         | V(Ant. 1 + Ant. 2) |
| IEEE 802.11g        |         | V(Ant. 1 + Ant. 2) |
| IEEE 802.11n(HT20)  |         | V(Ant. 1 + Ant. 2) |
| IEEE 802.11n(HT40)  |         | V(Ant. 1 + Ant. 2) |
| IEEE 802.11ax(HE20) |         | V(Ant. 1 + Ant. 2) |
| IEEE 802.11ax(HE40) |         | V(Ant. 1 + Ant. 2) |

### 3.2 DESCRIPTION OF TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

| Pretest Mode | Description                       |
|--------------|-----------------------------------|
| Mode 1       | TX B Mode Channel 01/06/11        |
| Mode 2       | TX G Mode Channel 01/06/11        |
| Mode 3       | TX N(HT20) Mode Channel 01/06/11  |
| Mode 4       | TX N(HT40) Mode Channel 03/06/09  |
| Mode 5       | TX AX(HE20) Mode Channel 01/06/11 |
| Mode 6       | TX AX(HE40) Mode Channel 03/06/09 |
| Mode 7       | TX N(HT40) Mode Channel 06        |

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

| AC power line conducted emissions test |                            |
|----------------------------------------|----------------------------|
| Final Test Mode                        | Description                |
| Mode 7                                 | TX N(HT40) Mode Channel 06 |

| Radiated emissions test - Below 1GHz & Above 18 GHz |                            |
|-----------------------------------------------------|----------------------------|
| Final Test Mode                                     | Description                |
| Mode 7                                              | TX N(HT40) Mode Channel 06 |

| Radiated emissions test - 1 GHz - 18 GHz |                                   |
|------------------------------------------|-----------------------------------|
| Final Test Mode                          | Description                       |
| Mode 1                                   | TX B Mode Channel 01/06/11        |
| Mode 2                                   | TX G Mode Channel 01/06/11        |
| Mode 3                                   | TX N(HT20) Mode Channel 01/06/11  |
| Mode 4                                   | TX N(HT40) Mode Channel 03/06/09  |
| Mode 5                                   | TX AX(HE20) Mode Channel 01/06/11 |
| Mode 6                                   | TX AX(HE40) Mode Channel 03/06/09 |

| Conducted test  |                                   |
|-----------------|-----------------------------------|
| Final Test Mode | Description                       |
| Mode 1          | TX B Mode Channel 01/06/11        |
| Mode 2          | TX G Mode Channel 01/06/11        |
| Mode 3          | TX N(HT20) Mode Channel 01/06/11  |
| Mode 4          | TX N(HT40) Mode Channel 03/06/09  |
| Mode 5          | TX AX(HE20) Mode Channel 01/06/11 |
| Mode 6          | TX AX(HE40) Mode Channel 03/06/09 |

**NOTE:**

- (1) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (2) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX N(HT40) Mode Channel 06 is found to be the worst case and recorded.
- (3) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (4) For radiated emission Harmonic 18-26.5GHz test, only tested the worst case and recorded.
- (5) For Beamforming operation, the manufacturer automatically reduces power based on a factor calculated as the difference between the beamforming directional gain and the CDD directional power gain. Thus, only the CDD mode was evaluated in this report.
- (6) IEEE 802.11ax mode only support full RU, so only the full RU is evaluated and measured inside report.
- (7) For radiated emission above 1 GHz test, the polarization of Vertical and Horizontal are evaluated, the worst case is Vertical and recorded.

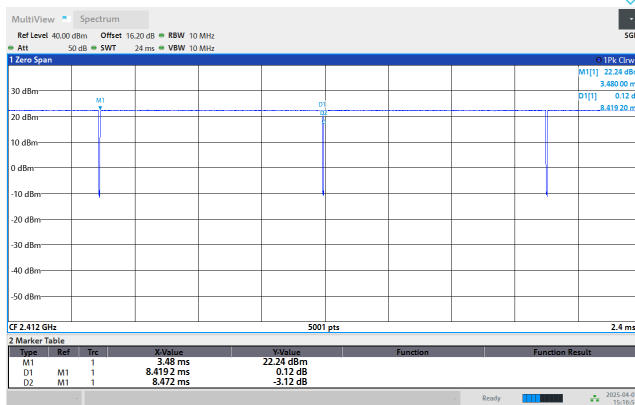
### 3.3 PARAMETERS OF TEST SOFTWARE

| Test Software Version | QATool_Dbg 0.0.2.78 |      |      |
|-----------------------|---------------------|------|------|
| Frequency (MHz)       | 2412                | 2437 | 2462 |
| IEEE 802.11b          | 17.5                | 17.5 | 17.5 |
| IEEE 802.11g          | 18.5                | 18.5 | 18.5 |
| IEEE 802.11n(HT20)    | 18.5                | 18.5 | 18.5 |
| IEEE 802.11ax(HE20)   | 19                  | 19   | 19   |
| Frequency (MHz)       | 2422                | 2437 | 2452 |
| IEEE 802.11n(HT40)    | 17.5                | 19   | 18   |
| IEEE 802.11ax(HE40)   | 17                  | 18   | 17   |

## 3.4 DUTY CYCLE

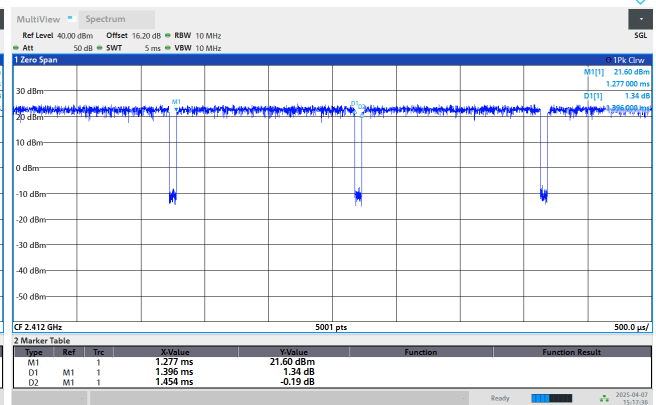
If duty cycle is  $\geq 98\%$ , duty factor is not required.  
 If duty cycle is  $< 98\%$ , duty factor shall be considered.  
 The output power = measured power + duty factor.

### IEEE 802.11b



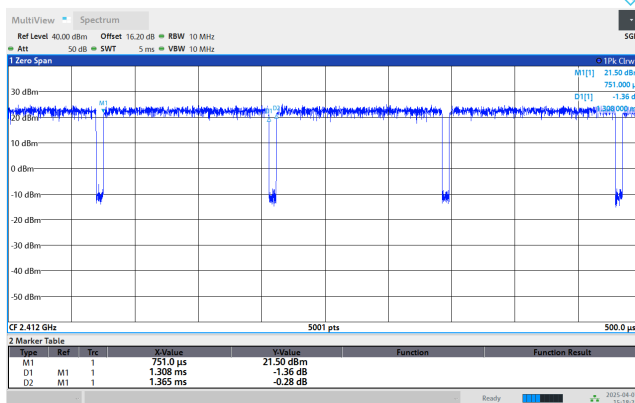
Duty cycle =  $8.419 \text{ ms} / 8.472 \text{ ms} = 99.38\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.00$

### IEEE 802.11g



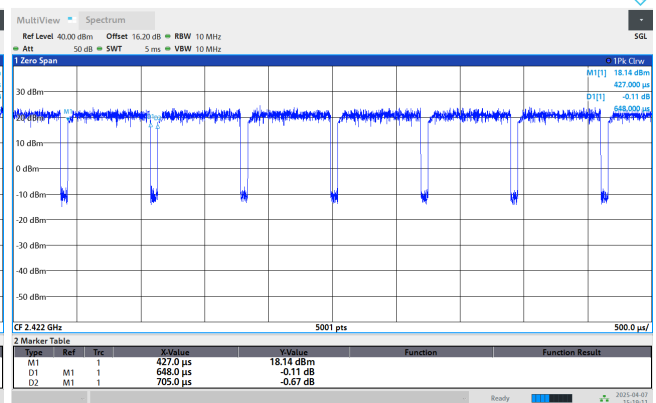
Duty cycle =  $1.396 \text{ ms} / 1.454 \text{ ms} = 96.01\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.18$

### IEEE 802.11n(HT20)



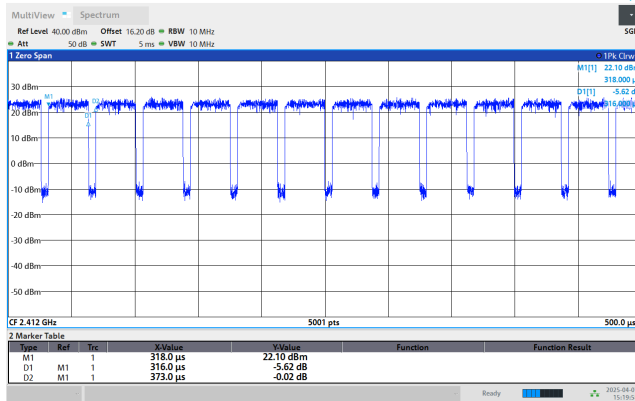
Duty cycle =  $1.308 \text{ ms} / 1.365 \text{ ms} = 95.82\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.19$

### IEEE 802.11n(HT40)



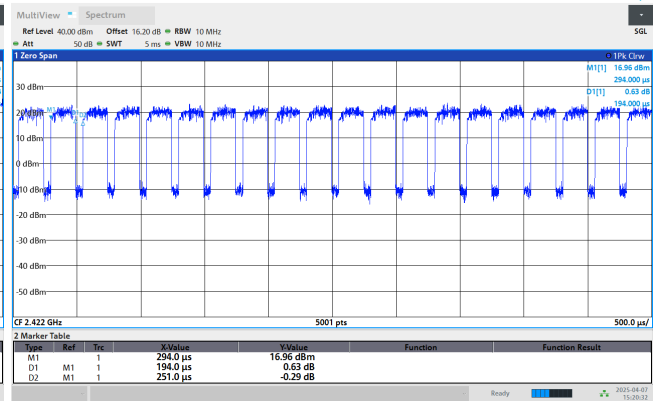
Duty cycle =  $0.648 \text{ ms} / 0.705 \text{ ms} = 91.91\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.37$

### IEEE 802.11ax(HE20)



Duty cycle = 0.316 ms / 0.373 ms = 84.72%  
Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.72$

### IEEE 802.11ax(HE40)



Duty cycle = 0.194 ms / 0.251 ms = 77.29%  
Duty Factor =  $10 \log(1/\text{Duty cycle}) = 1.12$

#### NOTE:

For IEEE 802.11b:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz.

For IEEE 802.11g:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 716 Hz.

For IEEE 802.11n(HT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 765 Hz.

For IEEE 802.11n(HT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1543 Hz.

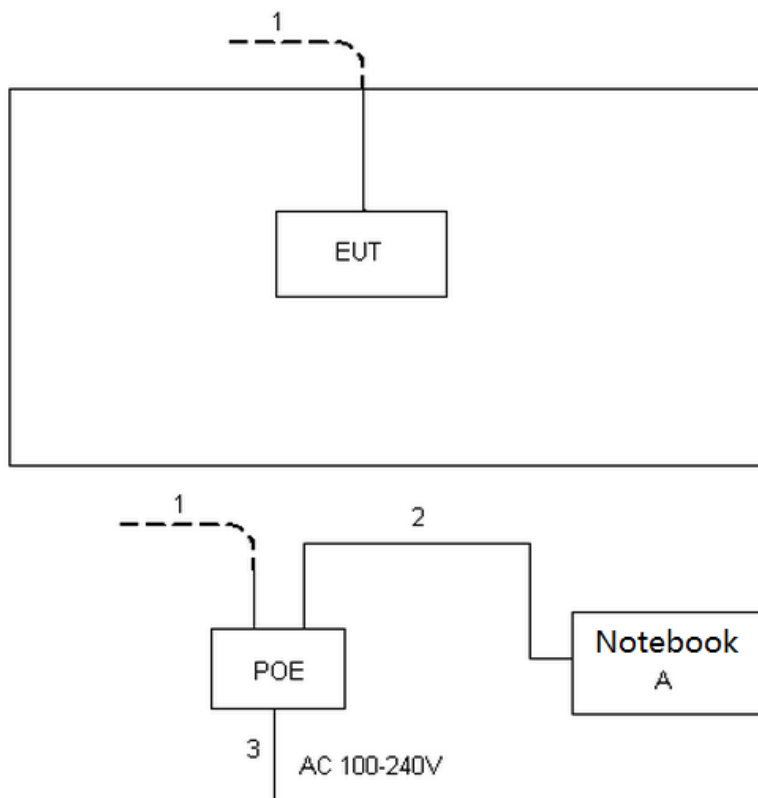
For IEEE 802.11ax(HE20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3165 Hz.

For IEEE 802.11ax(HE40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 5155 Hz.

### 3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



### 3.6 SUPPORT UNITS

| Item | Equipment | Brand | Model No.        | Series No. |
|------|-----------|-------|------------------|------------|
| A    | Notebook  | Dell  | Inspiron 15-7559 | N/A        |

| Item | Cable Type    | Shielded Type | Ferrite Core | Length |
|------|---------------|---------------|--------------|--------|
| 1    | RJ45 Cable    | NO            | NO           | 10m    |
| 2    | Network Cable | NO            | NO           | 1m     |
| 3    | AC Cable      | NO            | NO           | 1.5m   |

### 3.7 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain and beamforming gain are provided by the manufacturer.
- 2) Except for AC power line conducted emissions and radiated emissions, the results of all test items include cable losses. All cable losses are provided by the testing laboratory.

## 4. AC POWER LINE CONDUCTED EMISSIONS

### 4.1 LIMIT

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

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:  
 Measurement Value = Reading Level + Correct Factor  
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)  
 Margin Level = Measurement Value - Limit Value

### 4.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

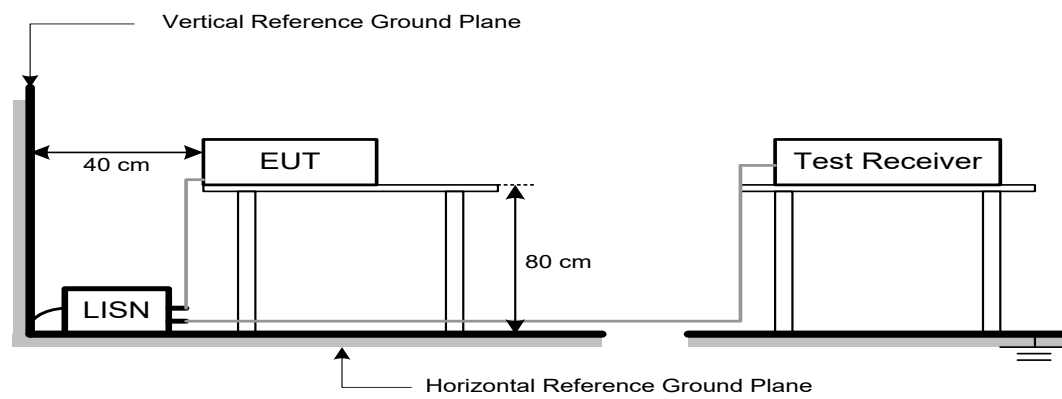
The following table is the setting of the receiver:

| Receiver Parameters | Setting  |
|---------------------|----------|
| Start Frequency     | 0.15 MHz |
| Stop Frequency      | 30 MHz   |
| IF Bandwidth        | 9 kHz    |

### 4.3 DEVIATION FROM TEST STANDARD

No deviation.

#### 4.4 TEST SETUP



#### 4.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

#### 4.6 TEST RESULTS

Please refer to the APPENDIX A.

## 5. RADIATED EMISSIONS

### 5.1 LIMIT

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

#### LIMITS OF RADIATED EMISSION MEASUREMENT (9 kHz-1000 MHz)

| Frequency (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|-----------------|-----------------------------------|-------------------------------|
| 0.009-0.490     | 2400/F(kHz)                       | 300                           |
| 0.490-1.705     | 24000/F(kHz)                      | 30                            |
| 1.705-30.0      | 30                                | 30                            |
| 30-88           | 100                               | 3                             |
| 88-216          | 150                               | 3                             |
| 216-960         | 200                               | 3                             |
| Above 960       | 500                               | 3                             |

#### LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

| Frequency (MHz) | Band edge/ Harmonic at 3m (dBμV/m) |         | Harmonic at 1m (dBμV/m) |               |
|-----------------|------------------------------------|---------|-------------------------|---------------|
|                 | Peak                               | Average | Peak                    | Average       |
| Above 1000      | 74                                 | 54      | 83.5 (Note 5)           | 63.5 (Note 5) |

#### NOTE:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:  
 Measurement Value = Reading Level + Correct Factor  
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)  
 Margin Level = Measurement Value - Limit Value

$$FS_{\text{limit}} = FS_{\text{max}} - 20 \log \left( \frac{d_{\text{limit}}}{d_{\text{measure}}} \right)$$

$20 \log (d_{\text{limit}}/d_{\text{measure}}) = 20 \log (3/1) = 9.5 \text{ dB}$ .

$FS_{\text{limit}}$ : Harmonic at 3m Peak and Average limit.

$FS_{\text{max}}$ : Harmonic at 1m Peak and Average Maximum value.

$d_{\text{limit}}$ : Harmonic at 3m test distance.

$d_{\text{measure}}$ : Harmonic Actual test distance.

## 5.2 TEST PROCEDURE

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1 GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.  
(below 1 GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- i. For the actual test configuration, please refer to the related Item -EUT Test Photos.

The following table is the setting of the receiver:

| Spectrum Parameters    | Setting                         |
|------------------------|---------------------------------|
| Start ~ Stop Frequency | 9 kHz~150 kHz for RBW 200 Hz    |
| Start ~ Stop Frequency | 0.15 MHz~30 MHz for RBW 9 kHz   |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for RBW 100 kHz |

| Spectrum Parameters                        | Setting                                                    |
|--------------------------------------------|------------------------------------------------------------|
| Start Frequency                            | 1000 MHz                                                   |
| Stop Frequency                             | 10th carrier harmonic                                      |
| RBW / VBW<br>(Emission in restricted band) | 1 MHz / 3 MHz for PK value<br>1 MHz / 1/T Hz for AVG value |

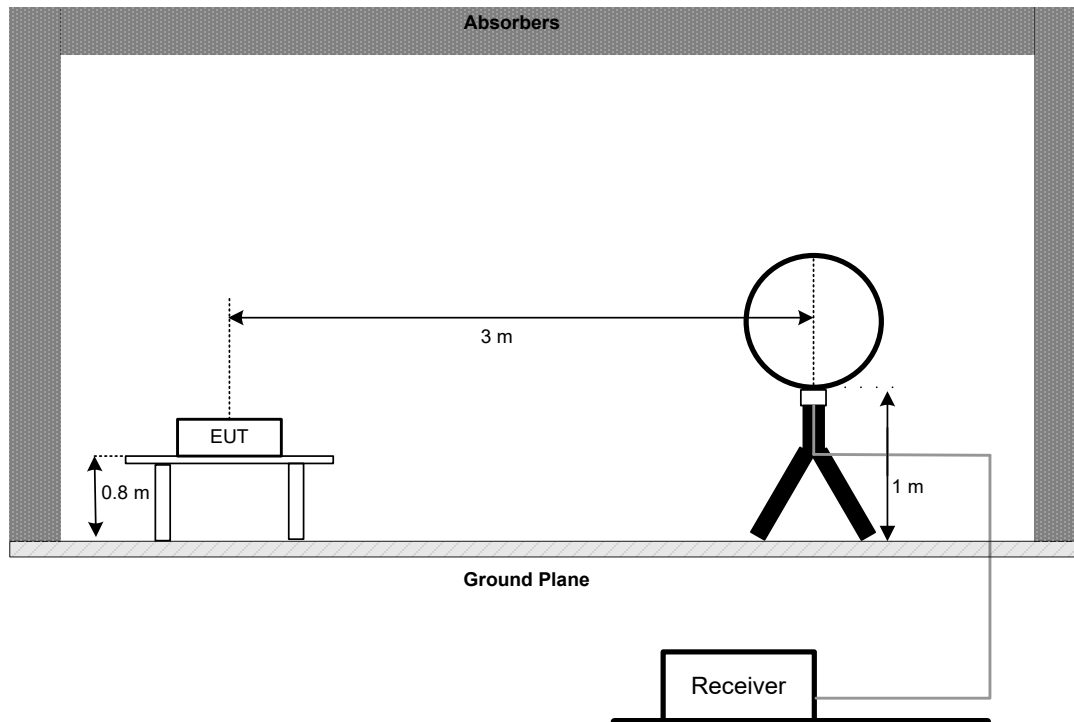
| Receiver Parameters    | Setting                             |
|------------------------|-------------------------------------|
| Start ~ Stop Frequency | 9 kHz~90 kHz for PK/AVG detector    |
| Start ~ Stop Frequency | 90 kHz~110 kHz for QP detector      |
| Start ~ Stop Frequency | 110 kHz~490 kHz for PK/AVG detector |
| Start ~ Stop Frequency | 490 kHz~30 MHz for QP detector      |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for QP detector     |
| Start ~ Stop Frequency | 1 GHz~26.5 GHz for PK/AVG detector  |

### 5.3 DEVIATION FROM TEST STANDARD

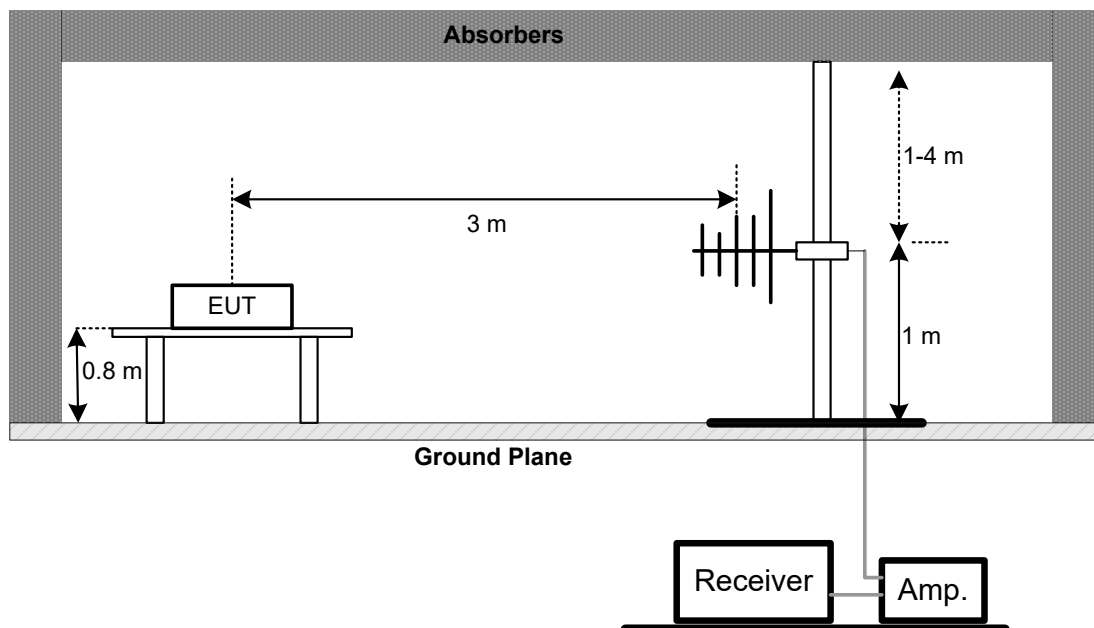
No deviation.

### 5.4 TEST SETUP

9 kHz to 30 MHz



30 MHz to 1 GHz





**5.5 EUT OPERATION CONDITIONS**

The EUT was programmed to be in continuously transmitting mode.

**5.6 TEST RESULTS - 9 KHZ TO 30 MHZ**

Please refer to the APPENDIX B.

Remark:

- (1) Distance extrapolation factor =  $40 \log (\text{specific distance} / \text{test distance})$  (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

**5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ**

Please refer to the APPENDIX C.

**5.8 TEST RESULTS - ABOVE 1000 MHZ**

Please refer to the APPENDIX D.

Remark:

- (1) No limit: This is fundamental signal, the judgment is not applicable.  
For fundamental signal judgment was referred to Peak output test.

## 6. BANDWIDTH

### 6.1 LIMIT

| Section          | Test Item              | Limit           |
|------------------|------------------------|-----------------|
| FCC 15.247(a)(2) | 6 dB Bandwidth         | Minimum 500 kHz |
|                  | 99% Emission Bandwidth | -               |

### 6.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

For 6 dB Bandwidth:

| Spectrum Parameters | Setting                 |
|---------------------|-------------------------|
| Span                | > Measurement Bandwidth |
| RBW                 | 100 kHz                 |
| VBW                 | 300 kHz                 |
| Detector            | Peak                    |
| Trace               | Max Hold                |
| Sweep Time          | Auto                    |

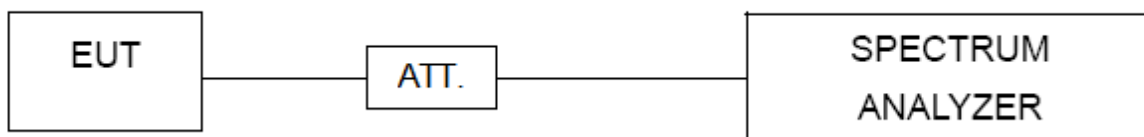
For 99% Emission Bandwidth:

| Spectrum Parameters | Setting                                 |
|---------------------|-----------------------------------------|
| Span                | Between 1.5 times and 5.0 times the OBW |
| RBW                 | 300 kHz For 20MHz<br>1 MHz For 40MHz    |
| VBW                 | 1 MHz For 20MHz<br>3 MHz For 40MHz      |
| Detector            | Peak                                    |
| Trace               | Max Hold                                |
| Sweep Time          | Auto                                    |

### 6.3 DEVIATION FROM STANDARD

No deviation.

### 6.4 TEST SETUP



### 6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 6.6 TEST RESULTS

Please refer to the APPENDIX E.

## 7. MAXIMUM OUTPUT POWER

### 7.1 LIMIT

| Section          | Test Item            | Limit                    |
|------------------|----------------------|--------------------------|
| FCC 15.247(b)(3) | Maximum Output Power | 1.0000 Watt or 30.00 dBm |

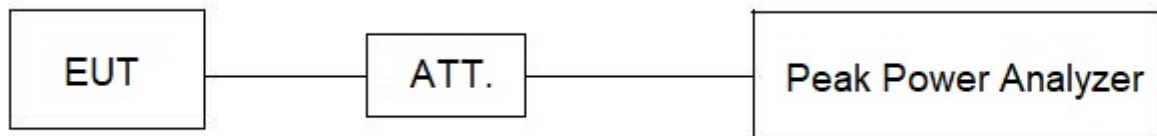
### 7.2 TEST PROCEDURE

- The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.
- The maximum conducted output power was performed in accordance with method 11.9.2.3.1 (for AVG power) of ANSI C63.10-2013 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

### 7.3 DEVIATION FROM STANDARD

No deviation.

### 7.4 TEST SETUP



### 7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 7.6 TEST RESULTS

Please refer to the APPENDIX F.

## 8. CONDUCTED SPURIOUS EMISSIONS

### 8.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

### 8.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

For Reference Level:

| Spectrum Parameters | Setting                         |
|---------------------|---------------------------------|
| Span                | $\geq 1.5$ times the bandwidth. |
| RBW                 | 100 kHz                         |
| VBW                 | 300 kHz                         |
| Detector            | Peak                            |
| Trace               | Max Hold                        |
| Sweep Time          | Auto                            |

For Emission Level - Band edge:

| Spectrum Parameters | Setting  |
|---------------------|----------|
| Start Frequency     | 2300 MHz |
| Stop Frequency      | 2690 MHz |
| RBW                 | 100 kHz  |
| VBW                 | 300 kHz  |
| Detector            | Peak     |
| Trace               | Max Hold |
| Sweep Time          | Auto     |

For Emission Level - Harmonic:

| Spectrum Parameters | Setting  |
|---------------------|----------|
| Start Frequency     | 30 MHz   |
| Stop Frequency      | 26.5 GHz |
| RBW                 | 100 kHz  |
| VBW                 | 300 kHz  |
| Detector            | Peak     |
| Trace               | Max Hold |
| Sweep Time          | Auto     |

### 8.3 DEVIATION FROM STANDARD

No deviation.

#### 8.4 TEST SETUP



#### 8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 8.6 TEST RESULTS

Please refer to the APPENDIX G.

## 9. POWER SPECTRAL DENSITY

### 9.1 LIMIT

| Section       | Test Item              | Limit                   |
|---------------|------------------------|-------------------------|
| FCC 15.247(e) | Power Spectral Density | 8 dBm<br>(in any 3 kHz) |

### 9.2 TEST PROCEDURE

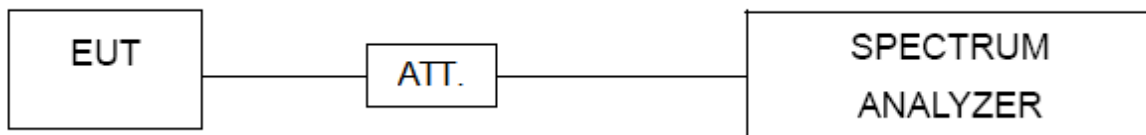
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

| Spectrum Parameters | Setting                     |
|---------------------|-----------------------------|
| Span                | 1.5 times the DTS bandwidth |
| RBW                 | 3 kHz                       |
| VBW                 | 10 kHz                      |
| Detector            | Peak                        |
| Trace               | Max Hold                    |
| Sweep Time          | Auto                        |

### 9.3 DEVIATION FROM STANDARD

No deviation.

### 9.4 TEST SETUP



### 9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 9.6 TEST RESULTS

Please refer to the APPENDIX H.

## 10. MEASUREMENT INSTRUMENTS LIST

| AC Power Line Conducted Emissions |                      |              |                          |            |                  |
|-----------------------------------|----------------------|--------------|--------------------------|------------|------------------|
| Item                              | Kind of Equipment    | Manufacturer | Type No.                 | Serial No. | Calibrated until |
| 1                                 | EMI TEST RECEIVER    | R&S          | ESCI                     | 100382     | Dec. 06, 2025    |
| 2                                 | TWO-LINE V-NETWORK   | R&S          | ENV216                   | 101447     | Dec. 06, 2025    |
| 3                                 | Measurement Software | Farad        | EZ-EMC<br>Ver.NB-03A1-01 | N/A        | N/A              |
| 4                                 | Cable                | N/A          | SFT205-NMNM-9M-001       | 9M         | Nov. 11, 2025    |
| 5                                 | 643 Shield Room      | ETS          | 6*4*3                    | N/A        | N/A              |

| Radiated Emissions - 9 kHz to 30 MHz |                      |              |                          |               |                  |
|--------------------------------------|----------------------|--------------|--------------------------|---------------|------------------|
| Item                                 | Kind of Equipment    | Manufacturer | Type No.                 | Serial No.    | Calibrated until |
| 1                                    | Active Loop Antenna  | Schwarzbeck  | FMZB 1513-60B            | 1513-60 B-034 | Mar. 30, 2025    |
| 2                                    | MXE EMI Receiver     | Keysight     | N9038A                   | MY56400091    | Dec. 06, 2025    |
| 3                                    | Cable                | N/A          | RW4950-3.8A-NMS<br>M-1.5 | N/A           | Nov. 12, 2025    |
| 4                                    | Cable                | N/A          | LMR400-NMNM-8<br>M       | N/A           | Nov. 12, 2025    |
| 5                                    | Measurement Software | Farad        | EZ-EMC<br>Ver.NB-03A1-01 | N/A           | N/A              |
| 6                                    | 966 Chamber room     | ETS          | 9*6*6                    | N/A           | May 16, 2025     |

| Radiated Emissions - 30 MHz to 1 GHz |                          |                |                          |            |                  |
|--------------------------------------|--------------------------|----------------|--------------------------|------------|------------------|
| Item                                 | Kind of Equipment        | Manufacturer   | Type No.                 | Serial No. | Calibrated until |
| 1                                    | Trilog-Broadband Antenna | Schwarzbeck    | VULB 9168                | 1462       | Dec. 14, 2025    |
| 2                                    | Attenuator               | EMC INSTRUMENT | EMCI-N-6-06              | AT-06009   | Dec. 14, 2025    |
| 3                                    | Preamplifier             | EMC INSTRUMENT | EMC001330                | 980998     | May 17, 2026     |
| 4                                    | Cable                    | RegalWay       | LMR400-NMNM-12<br>.5m    | N/A        | Jun. 06, 2025    |
| 5                                    | Cable                    | RegalWay       | LMR400-NMNM-3<br>m       | N/A        | Jun. 06, 2025    |
| 6                                    | Cable                    | RegalWay       | LMR400-NMNM-0.<br>5m     | N/A        | Jun. 06, 2025    |
| 7                                    | Receiver                 | Agilent        | N9038A                   | MY52130039 | Jan. 10, 2026    |
| 8                                    | Positioning Controller   | MF             | MF-7802                  | N/A        | N/A              |
| 9                                    | Measurement Software     | Farad          | EZ-EMC<br>Ver.NB-03A1-01 | N/A        | N/A              |
| 10                                   | 966 Chamber room         | CM             | 9*6*6                    | N/A        | May 15, 2026     |

| Radiated Emissions - 1 GHz to 18 GHz |                            |                   |                                |             |                  |
|--------------------------------------|----------------------------|-------------------|--------------------------------|-------------|------------------|
| Item                                 | Kind of Equipment          | Manufacturer      | Type No.                       | Serial No.  | Calibrated until |
| 1                                    | Multi-Device Controller    | ETS-Lindgren      | N/A                            | N/A         | N/A              |
| 2                                    | Measurement Software       | Farad             | EZ-EMC<br>Ver.NB-03A1-01       | N/A         | N/A              |
| 3                                    | MXA Signal Analyzer        | KEYSIGHT          | N9020B                         | MY63430227  | Oct. 29, 2025    |
| 4                                    | Cable                      | RegalWay          | RWLP50-4.0A-SMS<br>M-1.3M      | N/A         | Apr. 06, 2026    |
| 5                                    | Cable                      | RegalWay          | RWLP50-2.6A-3.5<br>M2.92MRA-3M | N/A         | Apr. 06, 2026    |
| 6                                    | Cable                      | RegalWay          | RWLP50-4.0A-SMS<br>M-9M        | N/A         | Apr. 06, 2026    |
| 7                                    | 966 Chamber room           | ETS               | RFD-100 (SVSWR)                | Q2179       | Jan. 07, 2026    |
| 8                                    | Double Ridged Horn Antenna | EMC<br>INSTRUMENT | DRH18-E                        | 210509A18ES | Aug. 28, 2025    |
| 9                                    | Preamplifier               | EMC<br>INSTRUMENT | EMC118A45SE                    | 981001      | May 31, 2025     |
| 10                                   | Attenuator                 | Talent Microwave  | TA10A2-S-18                    | N/A         | N/A              |
| 11                                   | Filter                     | STI               | STI15-9912                     | N/A         | May 31, 2025     |

| Radiated Emissions - Above 18 GHz |                         |                   |                                 |            |                  |
|-----------------------------------|-------------------------|-------------------|---------------------------------|------------|------------------|
| Item                              | Kind of Equipment       | Manufacturer      | Type No.                        | Serial No. | Calibrated until |
| 1                                 | Multi-Device Controller | ETS-Lindgren      | N/A                             | N/A        | N/A              |
| 2                                 | Measurement Software    | Farad             | EZ-EMC<br>Ver.NB-03A1-01        | N/A        | N/A              |
| 3                                 | MXA Signal Analyzer     | KEYSIGHT          | N9020B                          | MY63430227 | Oct. 29, 2025    |
| 4                                 | 966 Chamber room        | ETS               | RFD-100 (SVSWR)                 | Q2179      | Jan. 07, 2026    |
| 5                                 | Cable                   | RegalWay          | RWLP50-2.6A-2.92<br>M2.92M-2M   | N/A        | Jan. 07, 2026    |
| 6                                 | Cable                   | RegalWay          | RWLP50-2.6A-3.5<br>M2.92MMRA-6M | N/A        | Jan. 07, 2026    |
| 7                                 | Preamplifier            | EMC<br>INSTRUMENT | EMC184045SE                     | 980793     | Jan. 10, 2026    |
| 8                                 | Broad-Band Horn Antenna | Schwarzbeck       | BBHA9170                        | 0 1046     | Jul. 22, 2025    |

| Bandwidth &<br>Conducted Spurious Emissions &<br>Power Spectral Density |                                   |              |               |                       |                  |
|-------------------------------------------------------------------------|-----------------------------------|--------------|---------------|-----------------------|------------------|
| Item                                                                    | Kind of Equipment                 | Manufacturer | Type No.      | Serial No.            | Calibrated until |
| 1                                                                       | FSV Signal &<br>Spectrum Analyzer | R&S          | FSV3044       | 101682                | Oct. 17, 2025    |
| 2                                                                       | CTA                               | BTL          | CTA           | N/A                   | N/A              |
| 3                                                                       | Isolation attenuator              | Z-Link       | ASMA-16-18-2W | N/A                   | N/A              |
| 4                                                                       | Cable                             | RegalWay     | 20210802 013  | RWP50-402-SMSM-<br>1M | N/A              |

| Maximum Output Power |                       |              |               |            |                  |
|----------------------|-----------------------|--------------|---------------|------------|------------------|
| Item                 | Kind of Equipment     | Manufacturer | Type No.      | Serial No. | Calibrated until |
| 1                    | Peak Power Analyzer   | Keysight     | 8990B         | MY51000506 | May 31, 2025     |
| 2                    | Wideband power sensor | Keysight     | N1923A        | MY58310004 | May 31, 2025     |
| 3                    | Isolation attenuator  | Z-Link       | ASMA-10-18-2W | N/A        | N/A              |

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

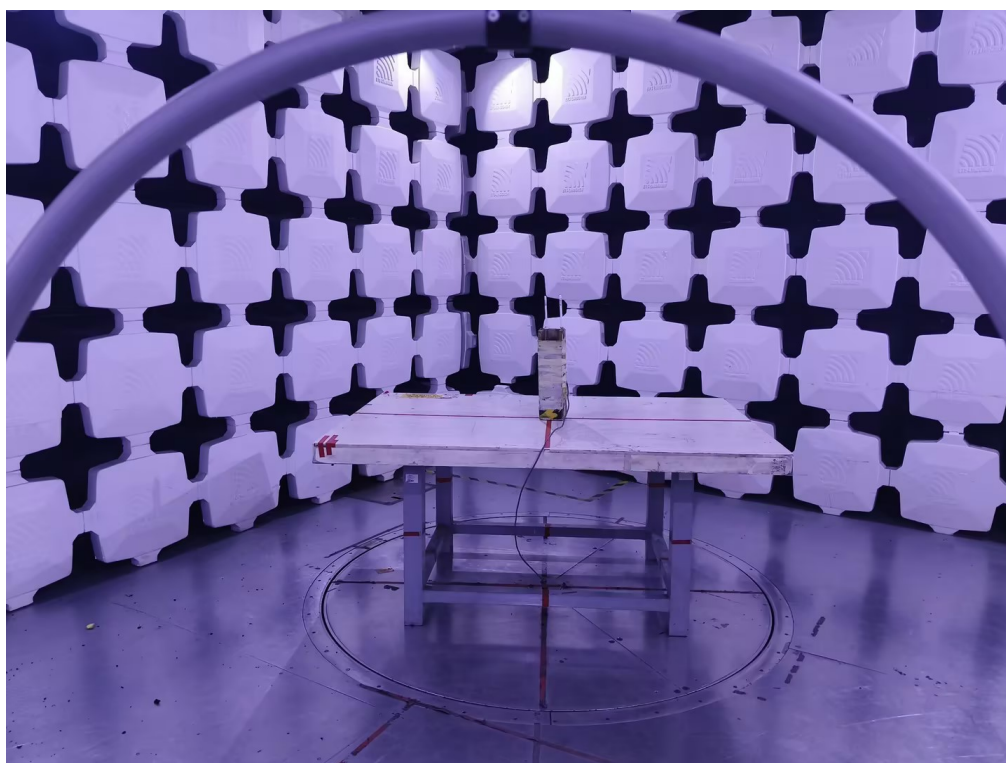
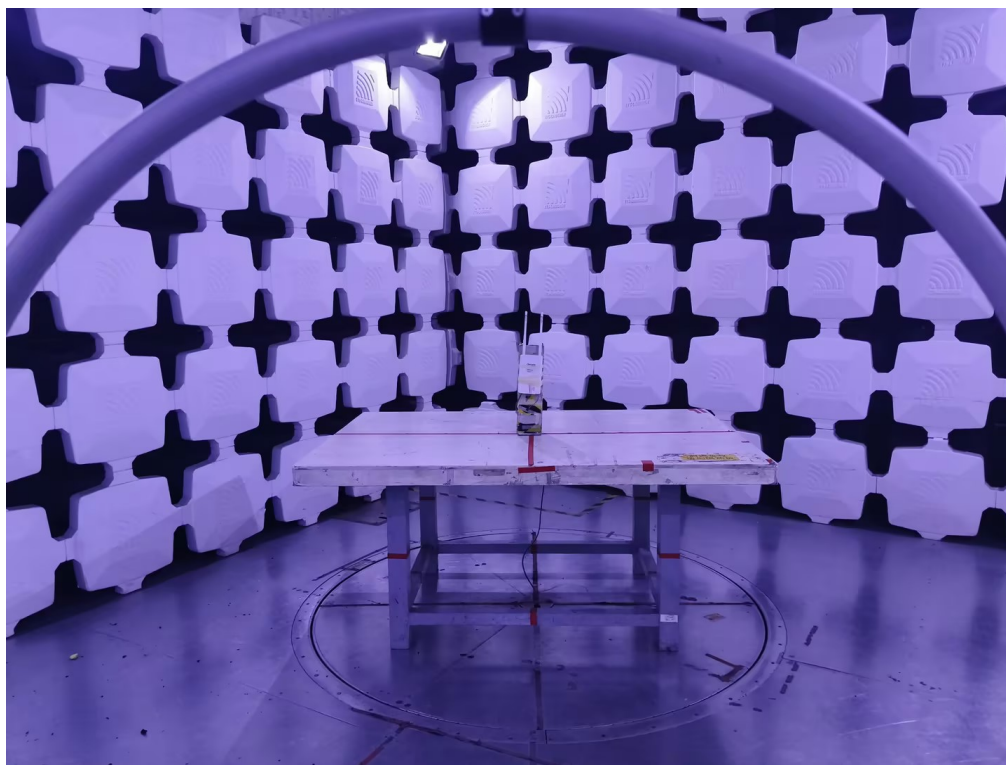
## 11. EUT TEST PHOTO

### AC Power Line Conducted Emissions Test Photos



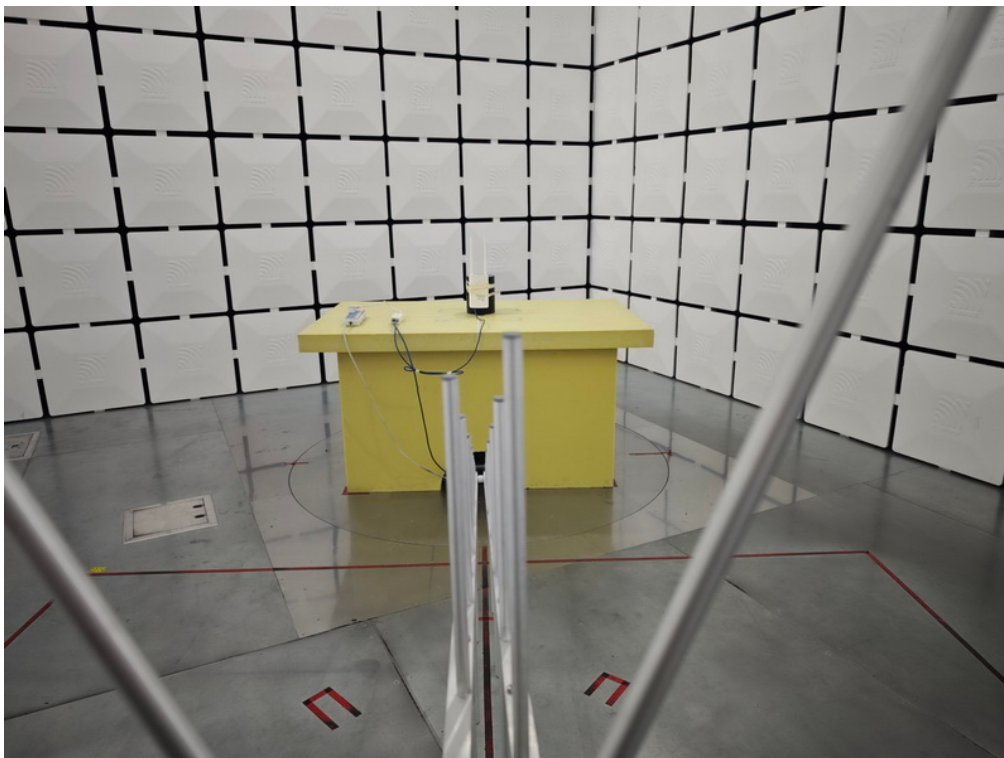
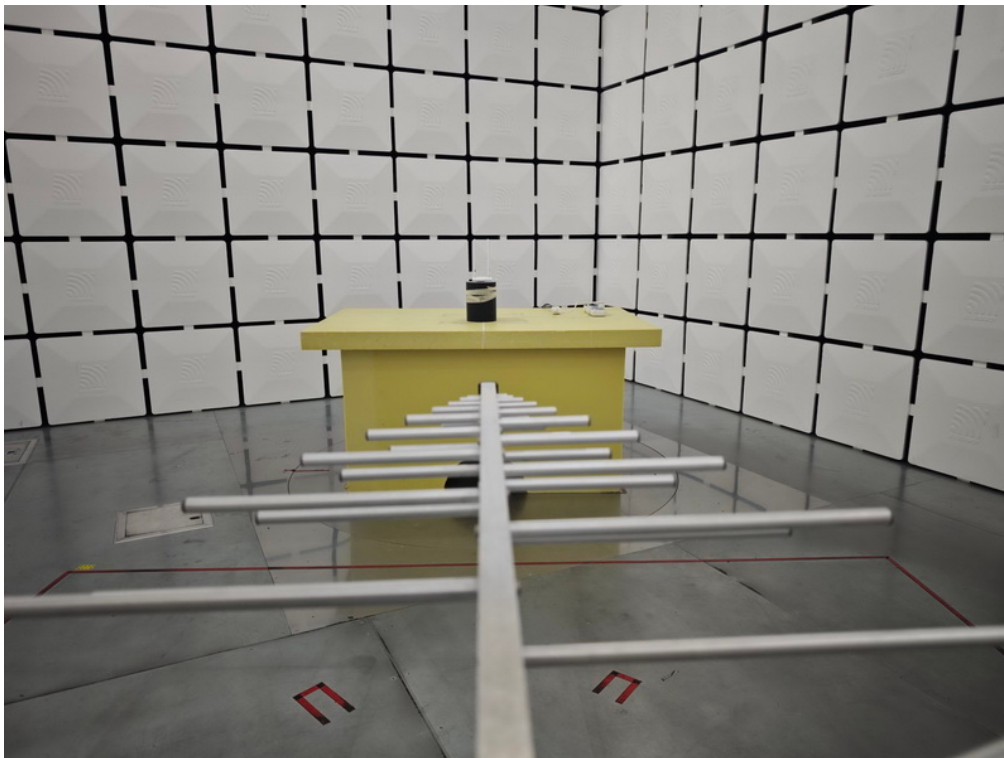
## Radiated Emissions Test Photos

9 kHz to 30 MHz



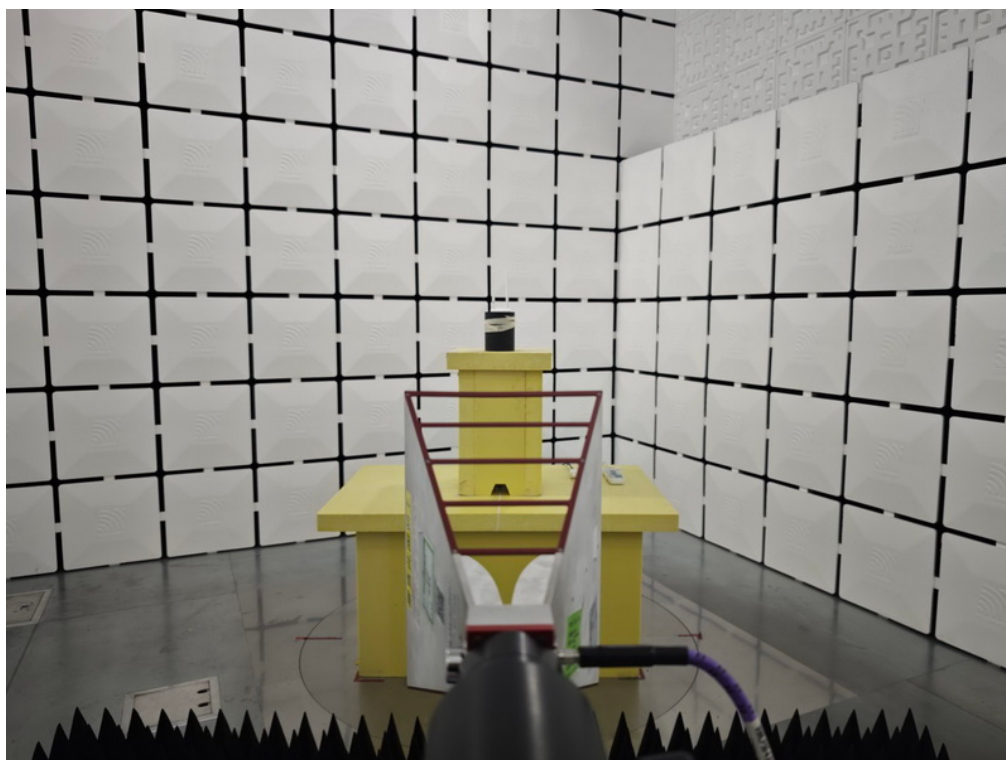
## Radiated Emissions Test Photos

30 MHz to 1 GHz



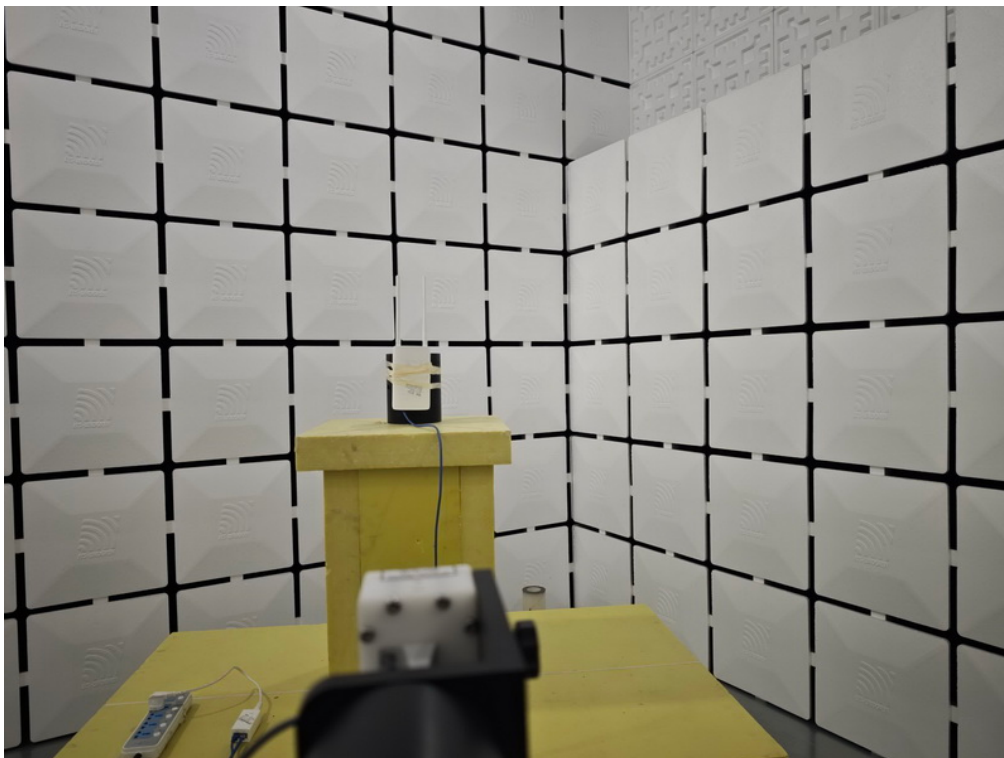
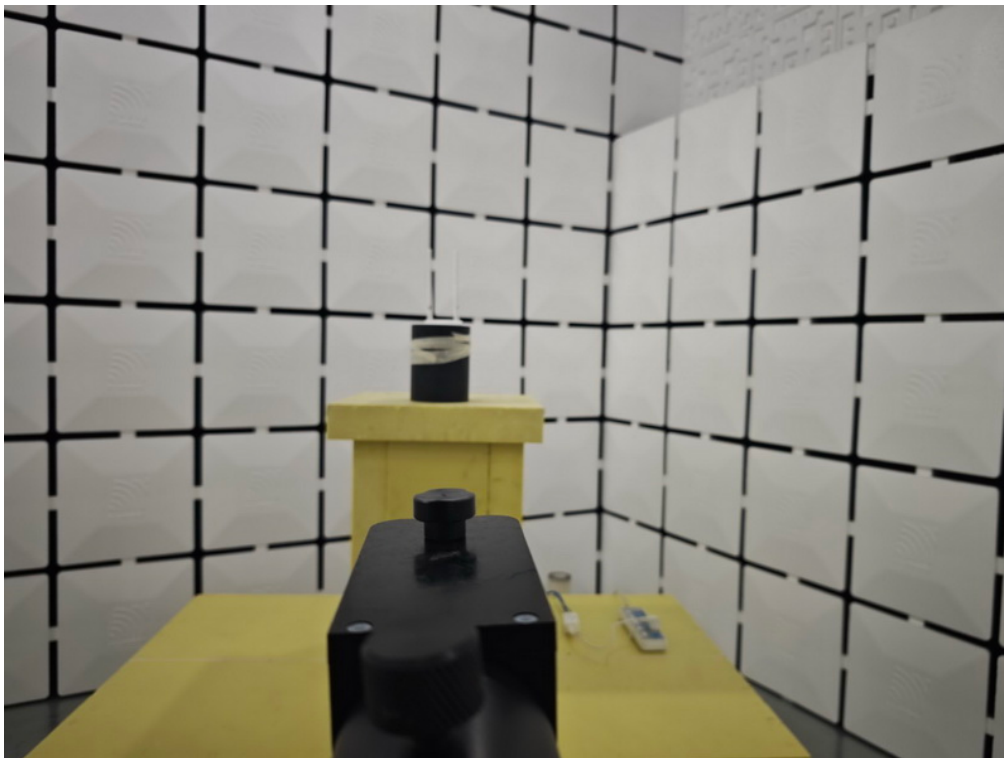
## Radiated Emissions Test Photos

### Band edge & Harmonic(1 GHz to 18 GHz)

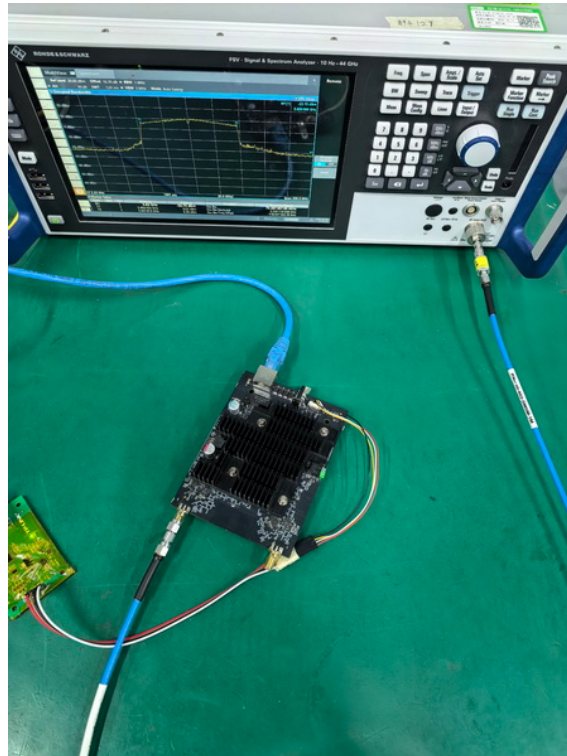


## Radiated Emissions Test Photos

### Harmonic(18 GHz to 26.5 GHz)

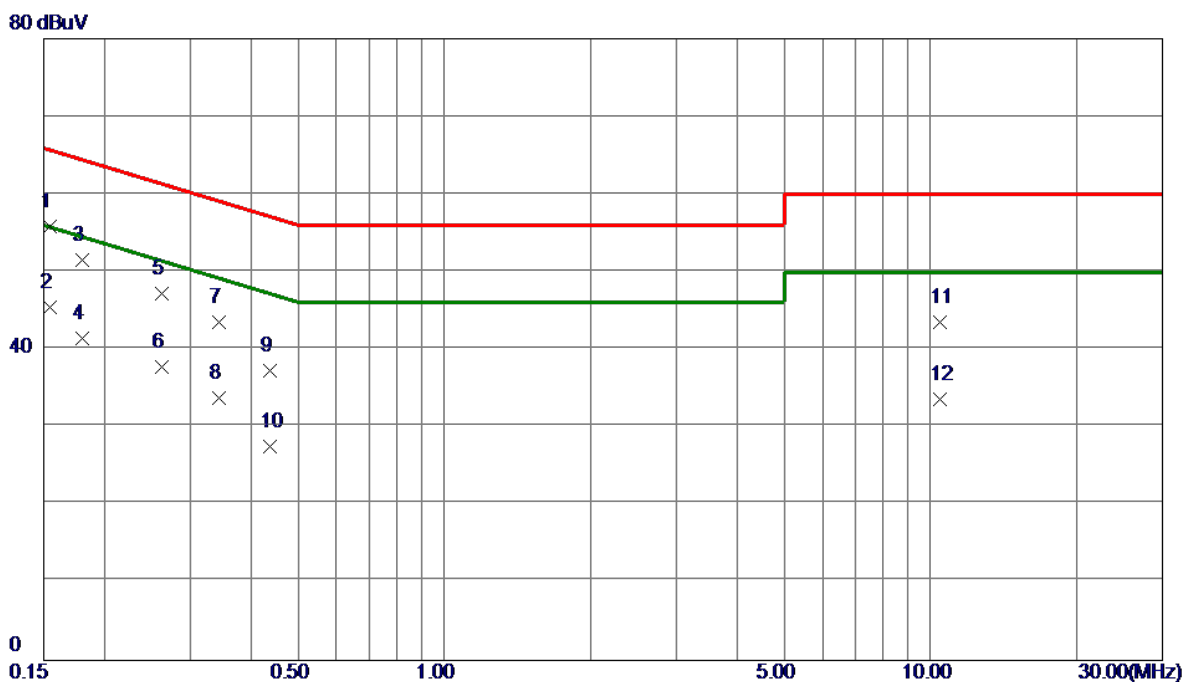


### Conducted Test Photos



## **APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS**

|           |                            |       |      |
|-----------|----------------------------|-------|------|
| Test Mode | TX N(HT40) Mode Channel 06 | Phase | Line |
|-----------|----------------------------|-------|------|

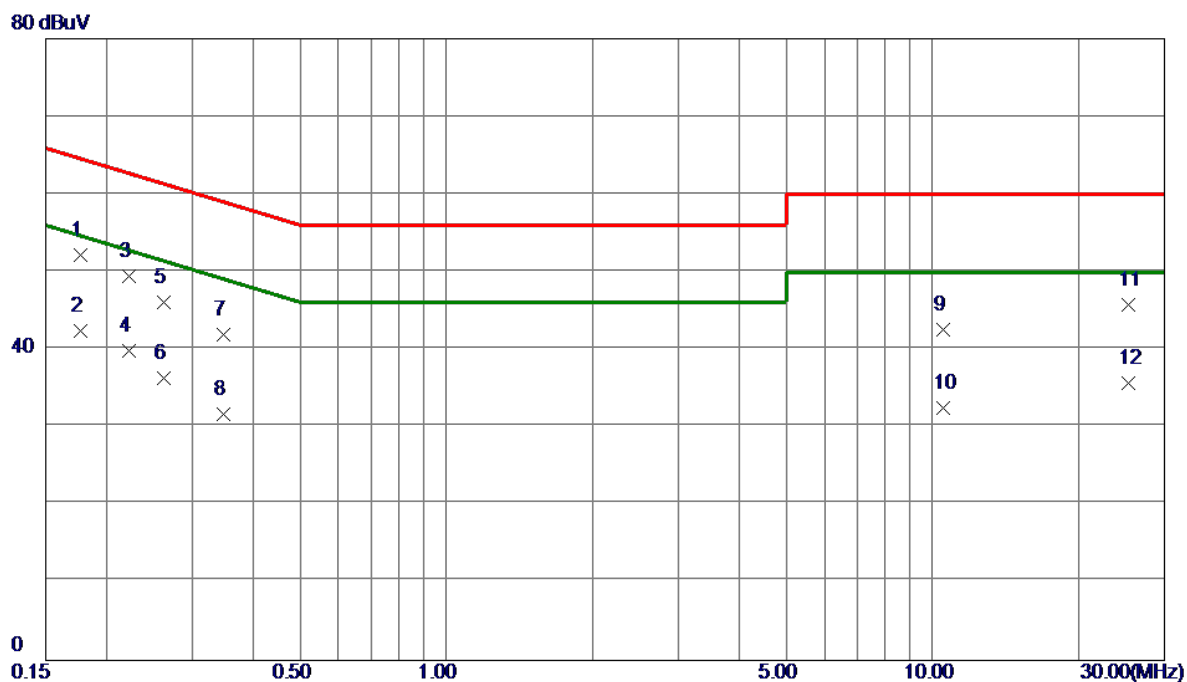


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV | Limit<br>dBuV | Margin<br>dB | Detector | Comment |
|-----|--------------|--------------------------|-------------------------|-------------------------|---------------|--------------|----------|---------|
| 1 * | 0.1545       | 45.89                    | 9.90                    | 55.79                   | 65.75         | -9.96        | QP       |         |
| 2   | 0.1545       | 35.61                    | 9.90                    | 45.51                   | 55.75         | -10.24       | AVG      |         |
| 3   | 0.1796       | 41.54                    | 9.92                    | 51.46                   | 64.50         | -13.04       | QP       |         |
| 4   | 0.1796       | 31.50                    | 9.92                    | 41.42                   | 54.50         | -13.08       | AVG      |         |
| 5   | 0.2625       | 37.36                    | 9.90                    | 47.26                   | 61.35         | -14.09       | QP       |         |
| 6   | 0.2625       | 27.91                    | 9.90                    | 37.81                   | 51.35         | -13.54       | AVG      |         |
| 7   | 0.3435       | 33.56                    | 9.93                    | 43.49                   | 59.12         | -15.63       | QP       |         |
| 8   | 0.3435       | 23.80                    | 9.93                    | 33.73                   | 49.12         | -15.39       | AVG      |         |
| 9   | 0.4380       | 27.36                    | 9.95                    | 37.31                   | 57.10         | -19.79       | QP       |         |
| 10  | 0.4380       | 17.59                    | 9.95                    | 27.54                   | 47.10         | -19.56       | AVG      |         |
| 11  | 10.4460      | 31.34                    | 12.12                   | 43.46                   | 60.00         | -16.54       | QP       |         |
| 12  | 10.4460      | 21.41                    | 12.12                   | 33.53                   | 50.00         | -16.47       | AVG      |         |

#### REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                            |       |         |
|-----------|----------------------------|-------|---------|
| Test Mode | TX N(HT40) Mode Channel 06 | Phase | Neutral |
|-----------|----------------------------|-------|---------|



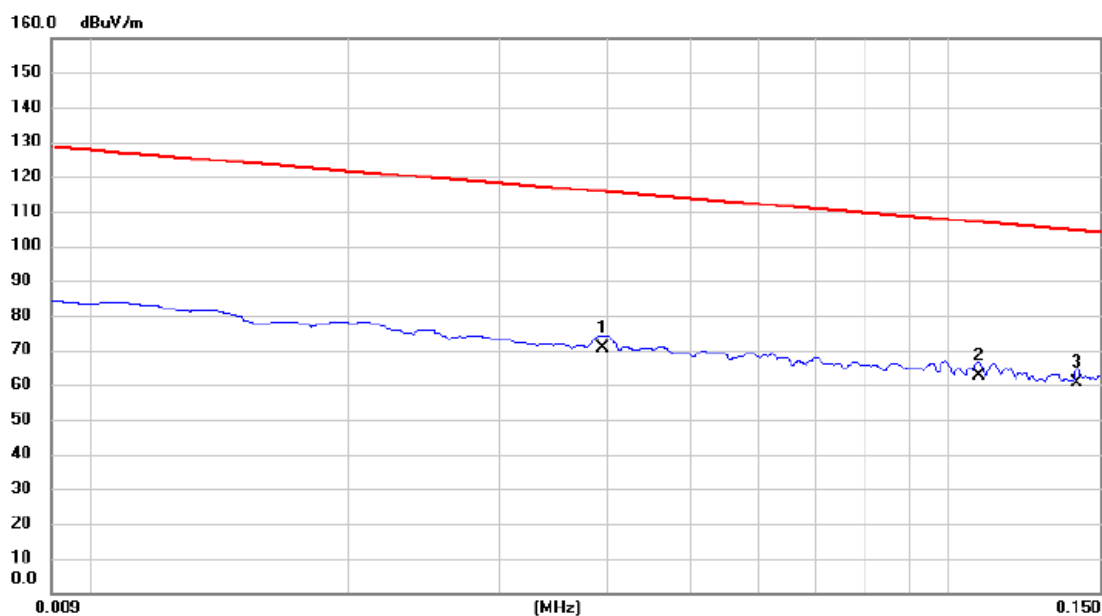
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV | Limit<br>dBuV | Margin<br>dB | Detector | Comment |
|-----|--------------|--------------------------|-------------------------|-------------------------|---------------|--------------|----------|---------|
| 1   | 0.1770       | 42.12                    | 9.97                    | 52.09                   | 64.63         | -12.54       | QP       |         |
| 2 * | 0.1770       | 32.50                    | 9.97                    | 42.47                   | 54.63         | -12.16       | AVG      |         |
| 3   | 0.2220       | 39.49                    | 9.97                    | 49.46                   | 62.74         | -13.28       | QP       |         |
| 4   | 0.2220       | 29.80                    | 9.97                    | 39.77                   | 52.74         | -12.97       | AVG      |         |
| 5   | 0.2625       | 36.10                    | 9.98                    | 46.08                   | 61.35         | -15.27       | QP       |         |
| 6   | 0.2625       | 26.40                    | 9.98                    | 36.38                   | 51.35         | -14.97       | AVG      |         |
| 7   | 0.3480       | 31.88                    | 9.98                    | 41.86                   | 59.01         | -17.15       | QP       |         |
| 8   | 0.3480       | 21.70                    | 9.98                    | 31.68                   | 49.01         | -17.33       | AVG      |         |
| 9   | 10.5000      | 30.38                    | 12.12                   | 42.50                   | 60.00         | -17.50       | QP       |         |
| 10  | 10.5000      | 20.31                    | 12.12                   | 32.43                   | 50.00         | -17.57       | AVG      |         |
| 11  | 25.3365      | 30.25                    | 15.57                   | 45.82                   | 60.00         | -14.18       | QP       |         |
| 12  | 25.3365      | 20.10                    | 15.57                   | 35.67                   | 50.00         | -14.33       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

## **APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ**

|           |                            |              |        |
|-----------|----------------------------|--------------|--------|
| Test Mode | TX N(HT40) Mode Channel 06 | Polarization | Ant 0° |
|-----------|----------------------------|--------------|--------|

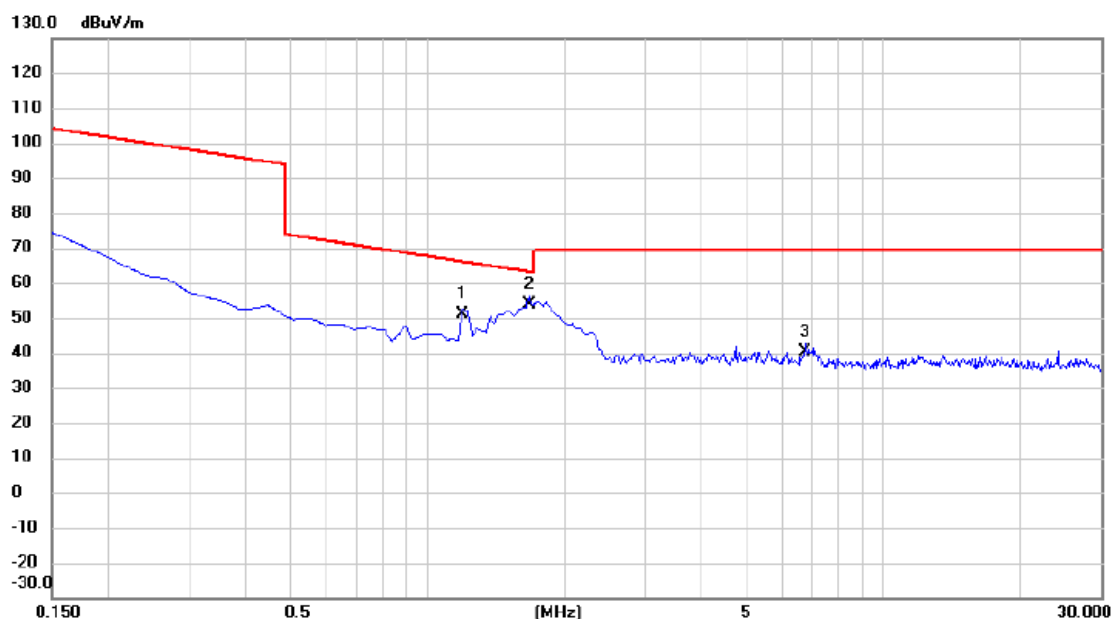


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 0.0396       | 49.36                    | 21.19                   | 70.55                      | 115.65          | -45.10       | AVG      |         |
| 2   |     | 0.1084       | 41.43                    | 21.33                   | 62.76                      | 106.91          | -44.15       | QP       |         |
| 3   | *   | 0.1411       | 39.47                    | 21.28                   | 60.75                      | 104.62          | -43.87       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                            |              |        |
|-----------|----------------------------|--------------|--------|
| Test Mode | TX N(HT40) Mode Channel 06 | Polarization | Ant 0° |
|-----------|----------------------------|--------------|--------|

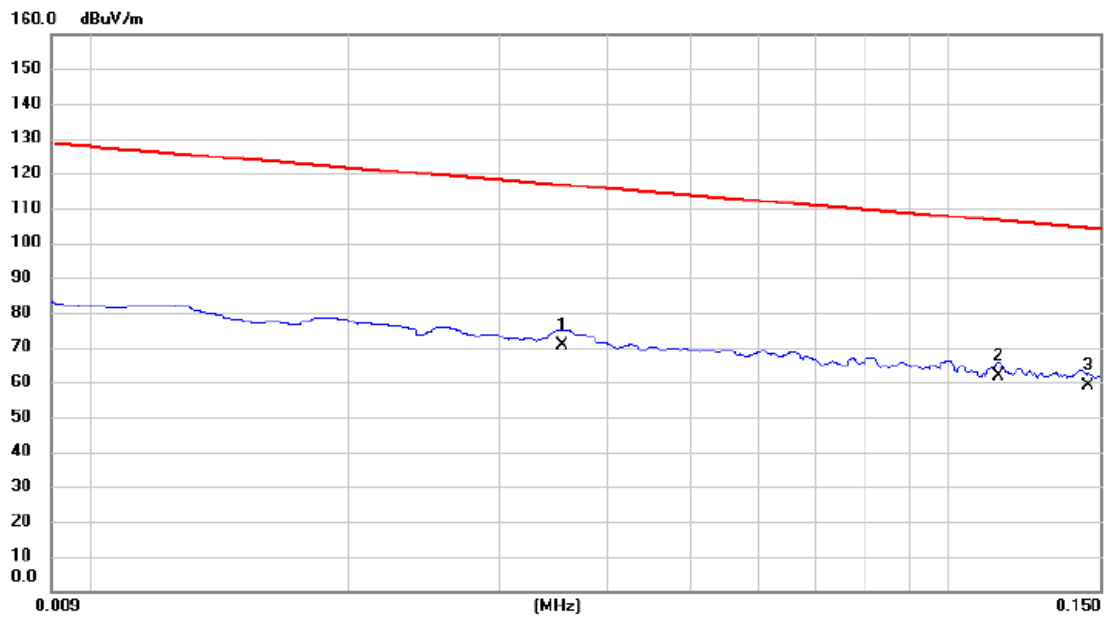


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 1.1947       | 29.74                    | 21.18                   | 50.92                      | 66.06           | -15.14       | QP       |         |
| 2   | *   | 1.6724       | 32.48                    | 21.14                   | 53.62                      | 63.14           | -9.52        | QP       |         |
| 3   |     | 6.7470       | 19.26                    | 21.14                   | 40.40                      | 69.54           | -29.14       | QP       |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                            |              |         |
|-----------|----------------------------|--------------|---------|
| Test Mode | TX N(HT40) Mode Channel 06 | Polarization | Ant 90° |
|-----------|----------------------------|--------------|---------|



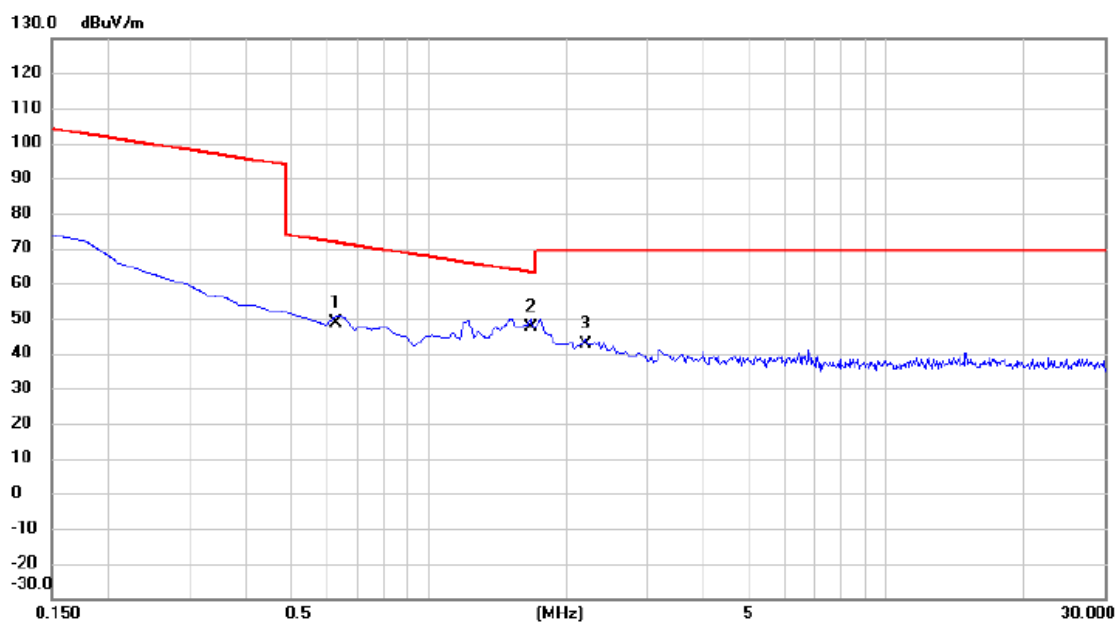
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 0.0355       | 49.47                    | 21.17                   | 70.64                      | 116.60          | -45.96       | AVG      |         |
| 2   | *   | 0.1143       | 40.58                    | 21.32                   | 61.90                      | 106.45          | -44.55       | AVG      |         |
| 3   |     | 0.1452       | 37.63                    | 21.27                   | 58.90                      | 104.37          | -45.47       | AVG      |         |

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

|           |                            |              |         |
|-----------|----------------------------|--------------|---------|
| Test Mode | TX N(HT40) Mode Channel 06 | Polarization | Ant 90° |
|-----------|----------------------------|--------------|---------|



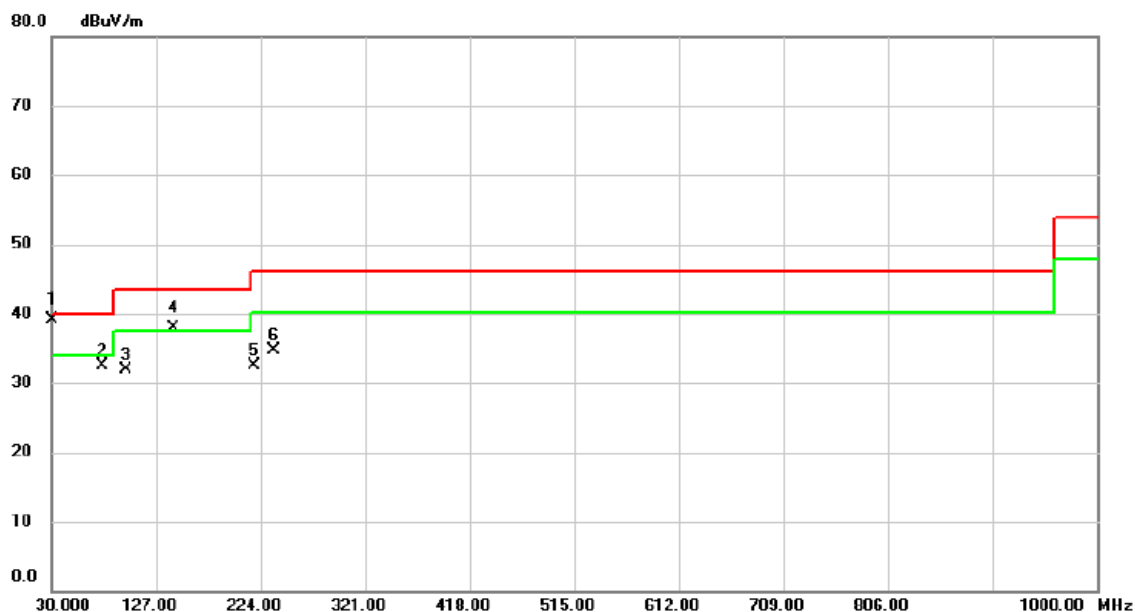
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 0.6276       | 27.41                    | 21.10                   | 48.51                      | 71.65           | -23.14       | QP       |         |
| 2   | *   | 1.6724       | 26.34                    | 21.14                   | 47.48                      | 63.14           | -15.66       | QP       |         |
| 3   |     | 2.2096       | 21.58                    | 21.11                   | 42.69                      | 69.54           | -26.85       | QP       |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

## **APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ**

|           |                            |              |          |
|-----------|----------------------------|--------------|----------|
| Test Mode | TX N(HT40) Mode Channel 06 | Polarization | Vertical |
|-----------|----------------------------|--------------|----------|



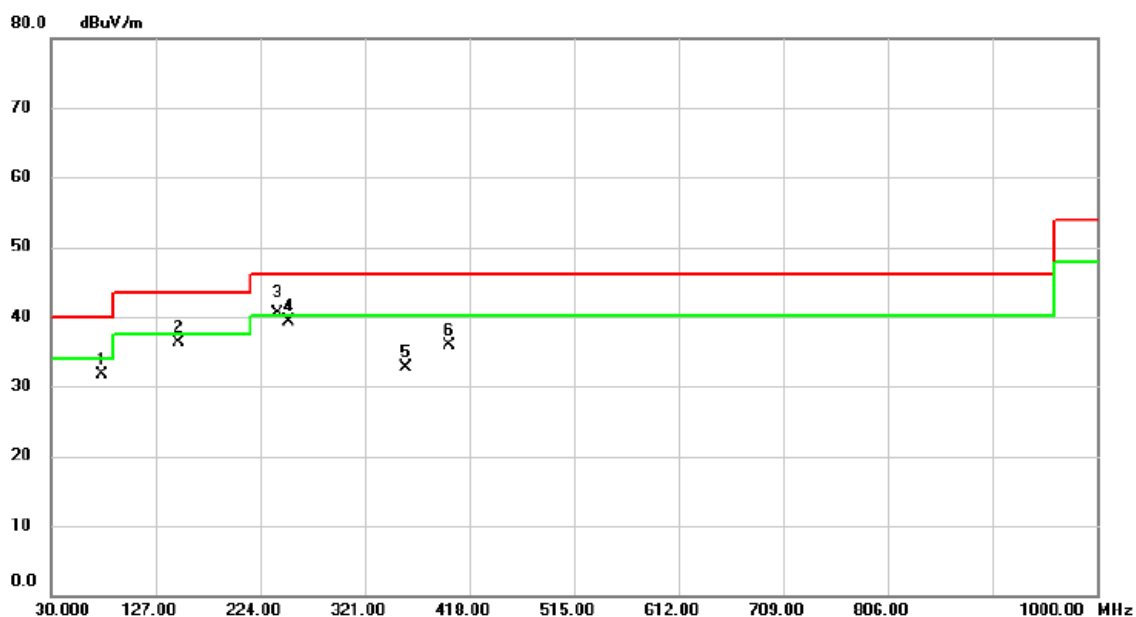
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   | *   | 30.970       | 51.84                    | -12.78                  | 39.06                      | 40.00           | -0.94        | QP       |         |
| 2   |     | 77.530       | 46.96                    | -14.55                  | 32.41                      | 40.00           | -7.59        | peak     |         |
| 3   |     | 98.870       | 47.44                    | -15.58                  | 31.86                      | 43.52           | -11.66       | peak     |         |
| 4   | !   | 143.490      | 48.92                    | -11.00                  | 37.92                      | 43.52           | -5.60        | QP       |         |
| 5   |     | 218.180      | 46.02                    | -13.56                  | 32.46                      | 46.02           | -13.56       | peak     |         |
| 6   |     | 236.610      | 46.90                    | -12.20                  | 34.70                      | 46.02           | -11.32       | peak     |         |

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

|           |                            |              |            |
|-----------|----------------------------|--------------|------------|
| Test Mode | TX N(HT40) Mode Channel 06 | Polarization | Horizontal |
|-----------|----------------------------|--------------|------------|



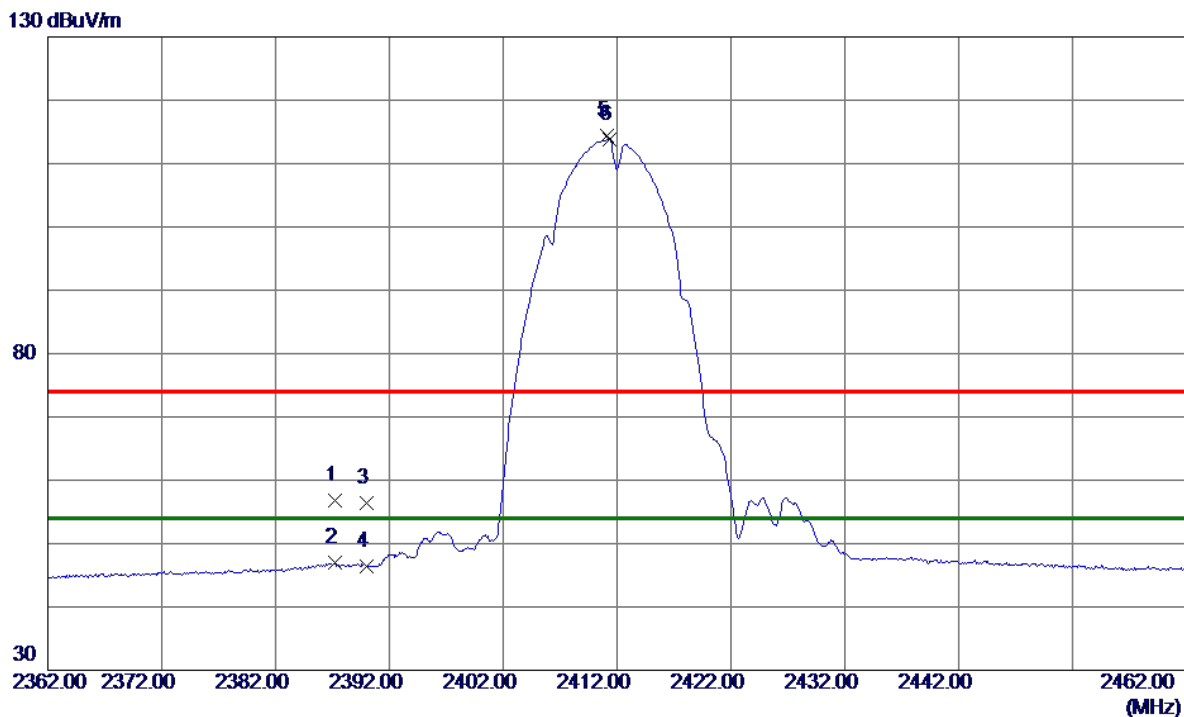
| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 77.530       | 46.19                    | -14.55                  | 31.64                      | 40.00           | -8.36        | peak     |         |
| 2   |     | 148.340      | 47.01                    | -10.73                  | 36.28                      | 43.52           | -7.24        | peak     |         |
| 3   | *   | 240.490      | 52.42                    | -11.86                  | 40.56                      | 46.02           | -5.46        | QP       |         |
| 4   |     | 250.190      | 50.65                    | -11.37                  | 39.28                      | 46.02           | -6.74        | peak     |         |
| 5   |     | 358.830      | 41.24                    | -8.46                   | 32.78                      | 46.02           | -13.24       | peak     |         |
| 6   |     | 399.570      | 43.29                    | -7.39                   | 35.90                      | 46.02           | -10.12       | peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

## **APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ**

|           |                    |              |          |
|-----------|--------------------|--------------|----------|
| Test Mode | TX B Mode 2412 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|



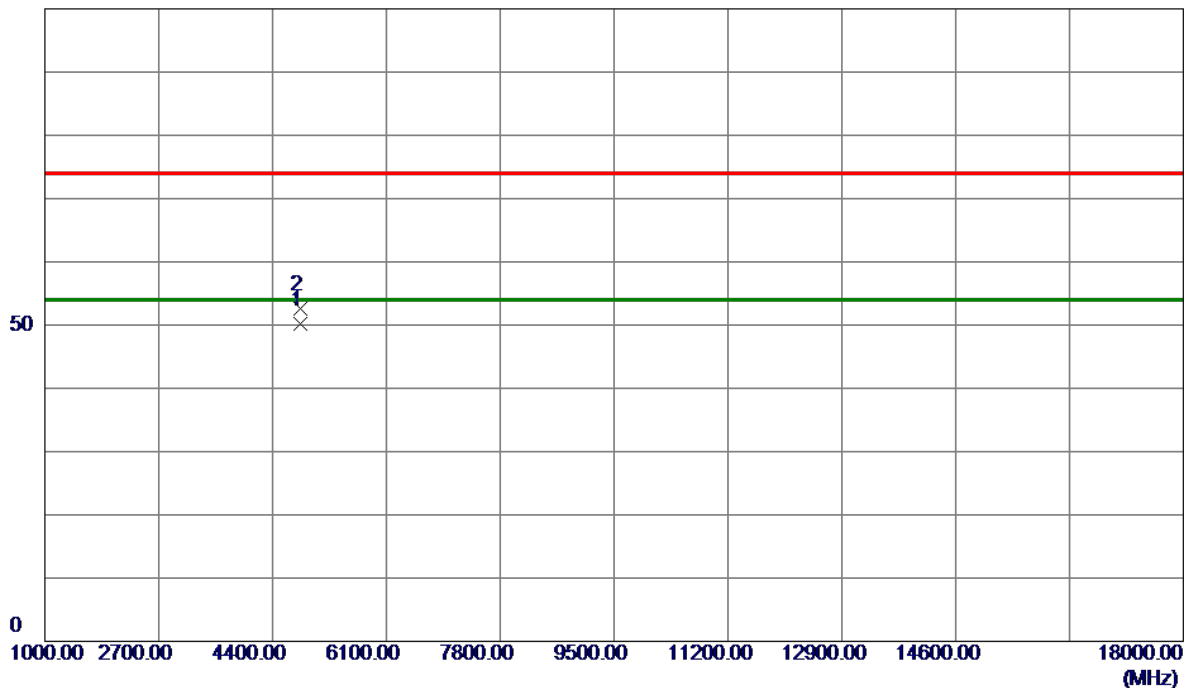
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1   | 2387.2000    | 49.91                      | 6.93                    | 56.84                     | 74.00           | -17.16       | Peak     |          |
| 2   | 2387.2000    | 40.09                      | 6.93                    | 47.02                     | 54.00           | -6.98        | AVG      |          |
| 3   | 2390.0000    | 49.45                      | 6.93                    | 56.38                     | 74.00           | -17.62       | Peak     |          |
| 4   | 2390.0000    | 39.43                      | 6.93                    | 46.36                     | 54.00           | -7.64        | AVG      |          |
| 5   | 2411.1000    | 107.37                     | 7.00                    | 114.37                    | 74.00           | 40.37        | Peak     | No Limit |
| 6 * | 2411.3000    | 106.85                     | 7.00                    | 113.85                    | 54.00           | 59.85        | AVG      | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                    |              |          |
|-----------|--------------------|--------------|----------|
| Test Mode | TX B Mode 2412 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|

100 dBuV/m



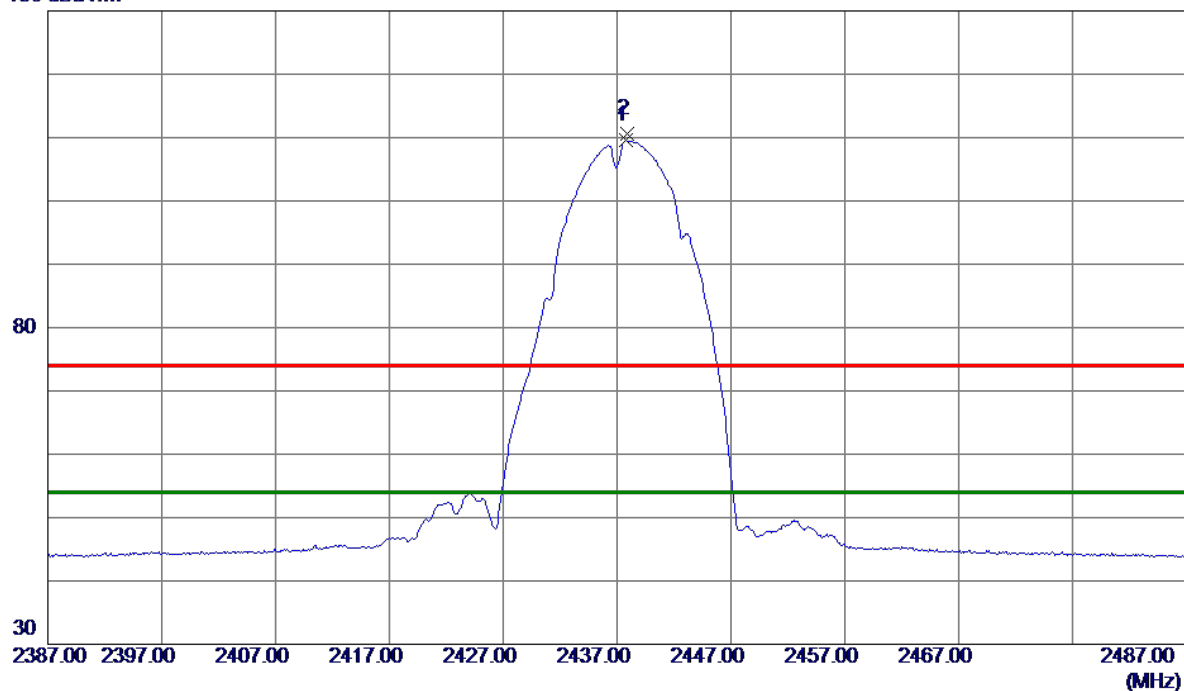
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 4823.9300    | 46.27                      | 3.83                    | 50.10                     | 54.00           | -3.90        | AVG      |         |
| 2   | 4823.9700    | 48.67                      | 3.83                    | 52.50                     | 74.00           | -21.50       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                    |              |          |
|-----------|--------------------|--------------|----------|
| Test Mode | TX B Mode 2437 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|

130 dBuV/m



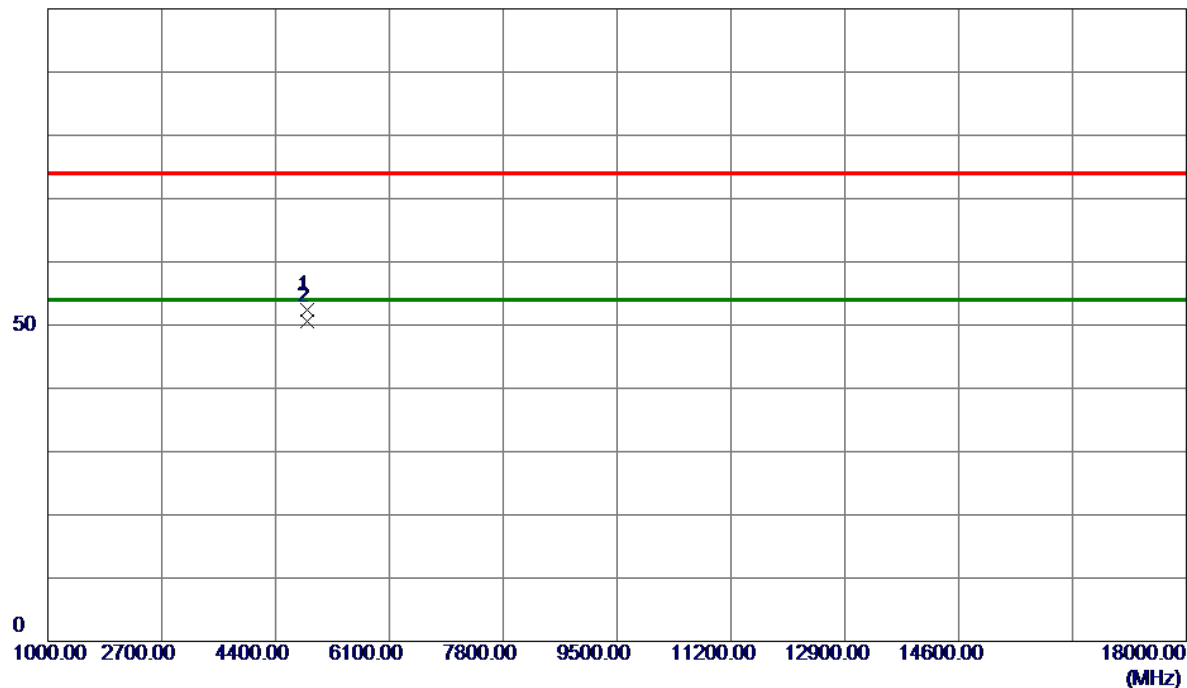
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1 * | 2437.8000    | 102.45                     | 7.08                    | 109.53                    | 54.00           | 55.53        | AVG      | No Limit |
| 2   | 2437.9000    | 103.46                     | 7.08                    | 110.54                    | 74.00           | 36.54        | Peak     | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                    |              |          |
|-----------|--------------------|--------------|----------|
| Test Mode | TX B Mode 2437 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|

100 dBuV/m

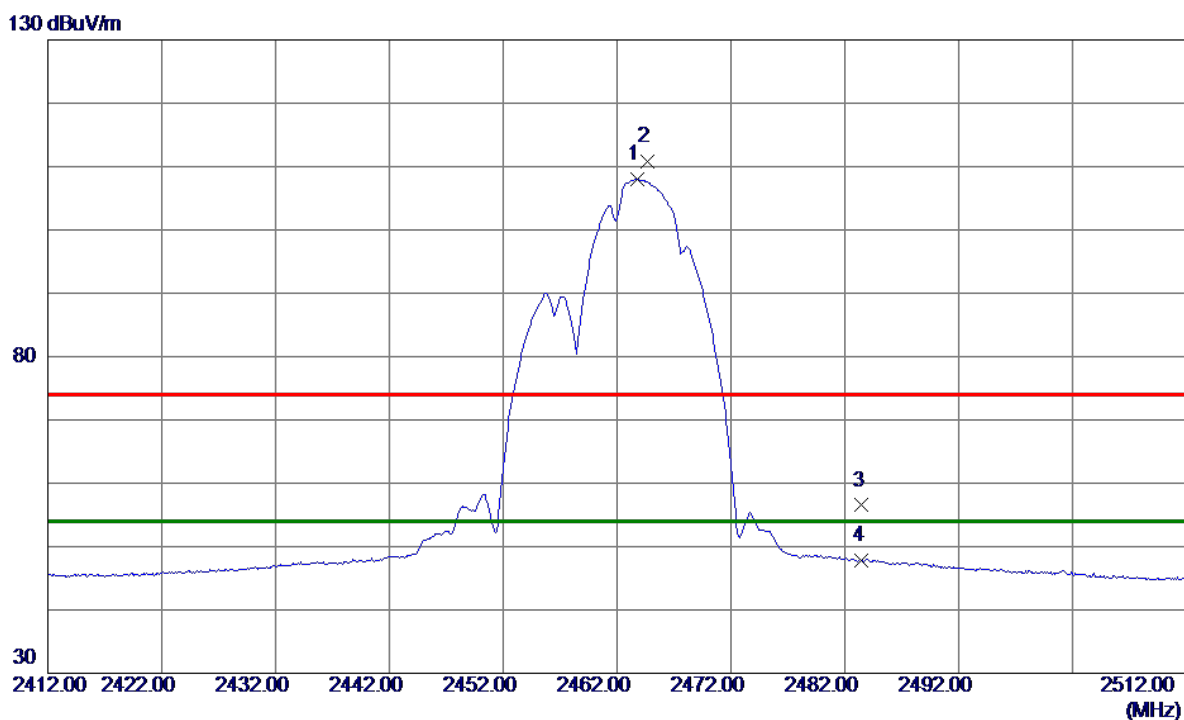


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 4873.9300    | 48.53                      | 3.96                    | 52.49                     | 74.00           | -21.51       | Peak     |         |
| 2 * | 4873.9500    | 46.59                      | 3.96                    | 50.55                     | 54.00           | -3.45        | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                    |              |          |
|-----------|--------------------|--------------|----------|
| Test Mode | TX B Mode 2462 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|



| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1   | 2463.8000    | 100.90                     | 7.17                    | 108.07                    | 74.00           | 34.07        | Peak     | No Limit |
| 2 * | 2464.7000    | 103.54                     | 7.17                    | 110.71                    | 74.00           | 36.71        | Peak     | No Limit |
| 3   | 2483.5000    | 49.27                      | 7.23                    | 56.50                     | 74.00           | -17.50       | Peak     |          |
| 4   | 2483.5000    | 40.57                      | 7.23                    | 47.80                     | 74.00           | -26.20       | Peak     |          |

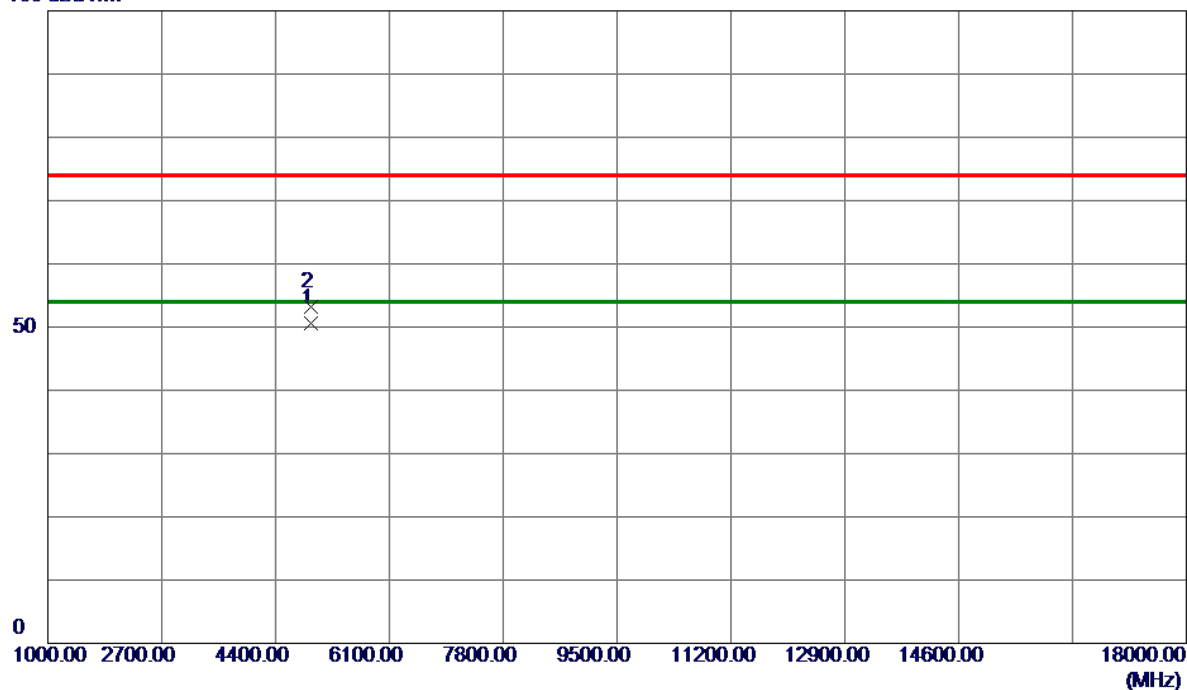
## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

|           |                    |              |          |
|-----------|--------------------|--------------|----------|
| Test Mode | TX B Mode 2462 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|

100 dBuV/m

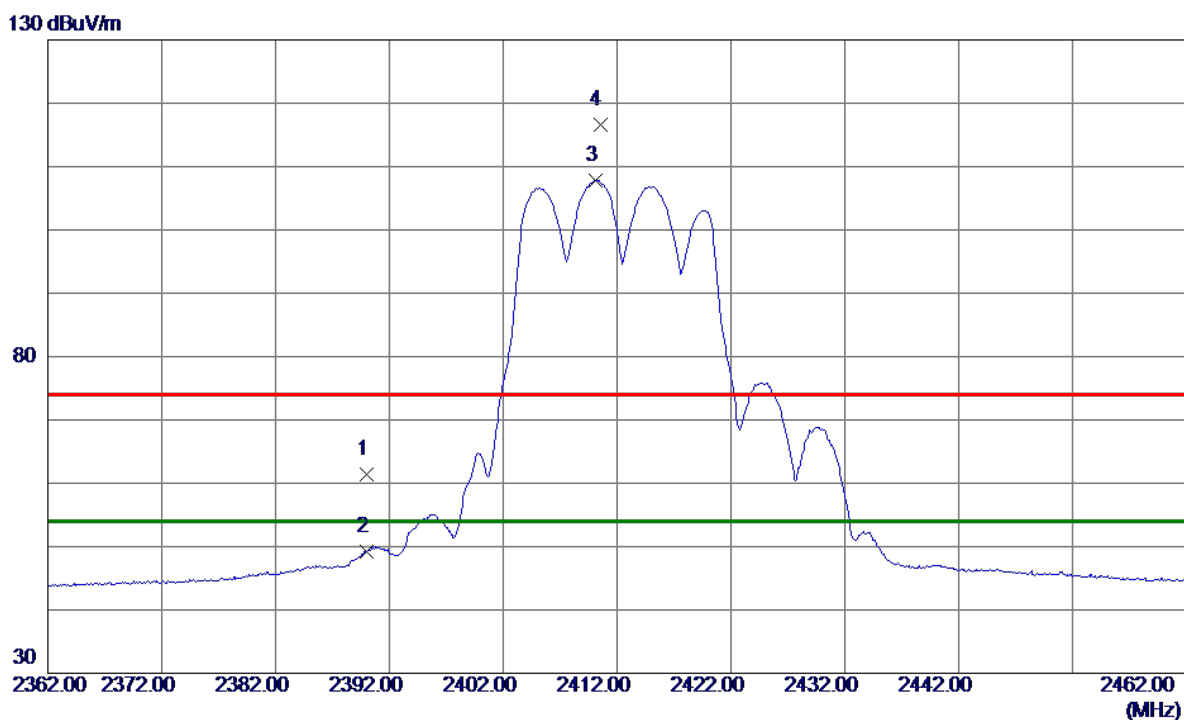


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 4923.8900    | 46.43                      | 4.10                    | 50.53                     | 54.00           | -3.47        | AVG      |         |
| 2 * | 4923.9200    | 49.07                      | 4.10                    | 53.17                     | 54.00           | -0.83        | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                    |              |          |
|-----------|--------------------|--------------|----------|
| Test Mode | TX G Mode 2412 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|



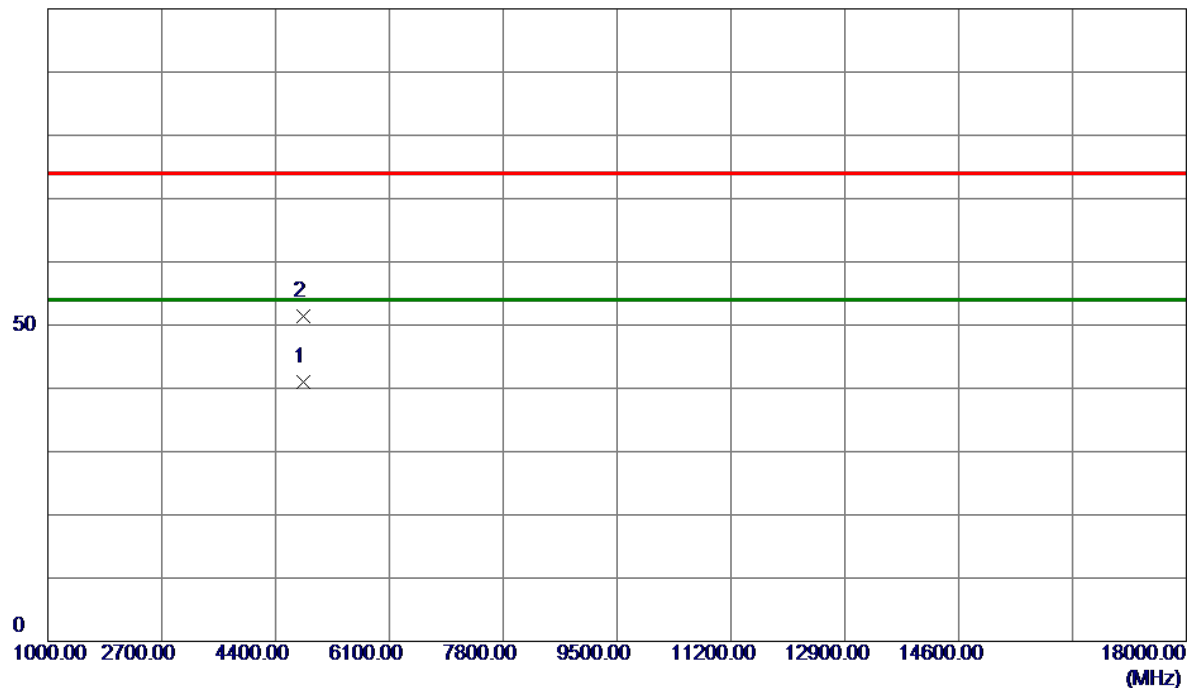
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1   | 2390.0000    | 54.45                      | 6.93                    | 61.38                     | 74.00           | -12.62       | Peak     |          |
| 2   | 2390.0000    | 42.30                      | 6.93                    | 49.23                     | 54.00           | -4.77        | AVG      |          |
| 3 * | 2410.1000    | 100.83                     | 7.00                    | 107.83                    | 54.00           | 53.83        | AVG      | No Limit |
| 4   | 2410.5000    | 109.66                     | 7.00                    | 116.66                    | 74.00           | 42.66        | Peak     | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                    |              |          |
|-----------|--------------------|--------------|----------|
| Test Mode | TX G Mode 2412 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|

100 dBuV/m

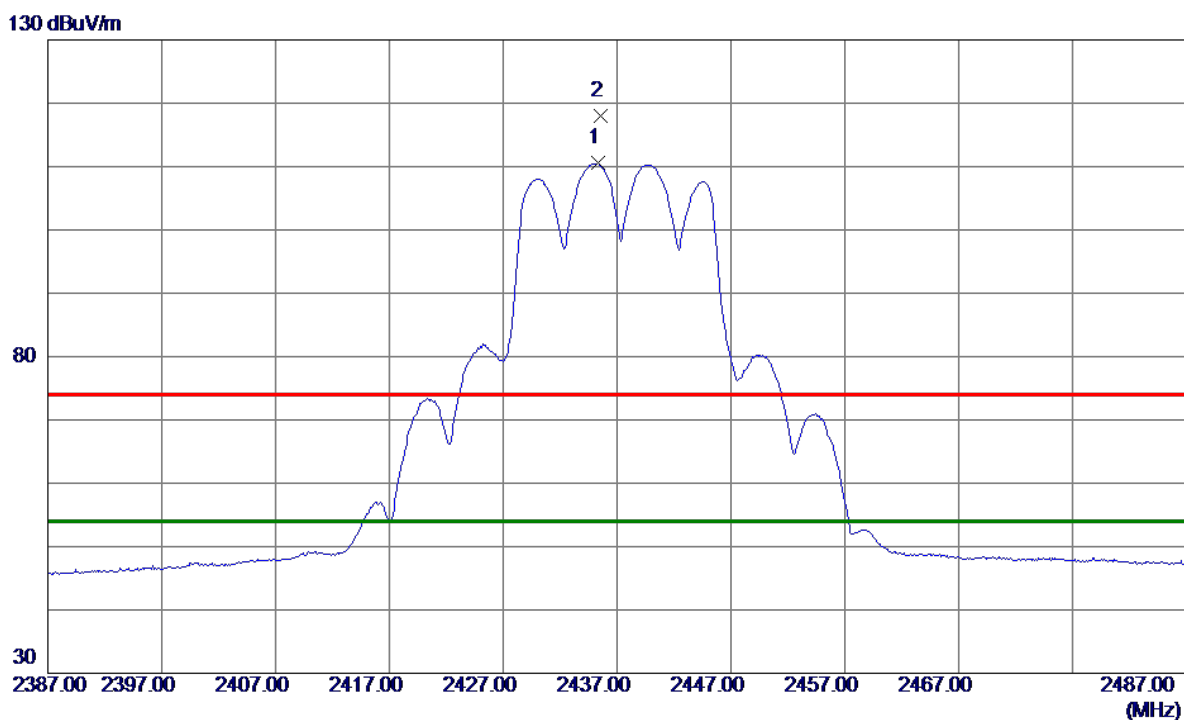


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 4822.4500    | 37.09                      | 3.83                    | 40.92                     | 54.00           | -13.08       | AVG      |         |
| 2   | 4823.0500    | 47.64                      | 3.83                    | 51.47                     | 74.00           | -22.53       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                    |              |          |
|-----------|--------------------|--------------|----------|
| Test Mode | TX G Mode 2437 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|



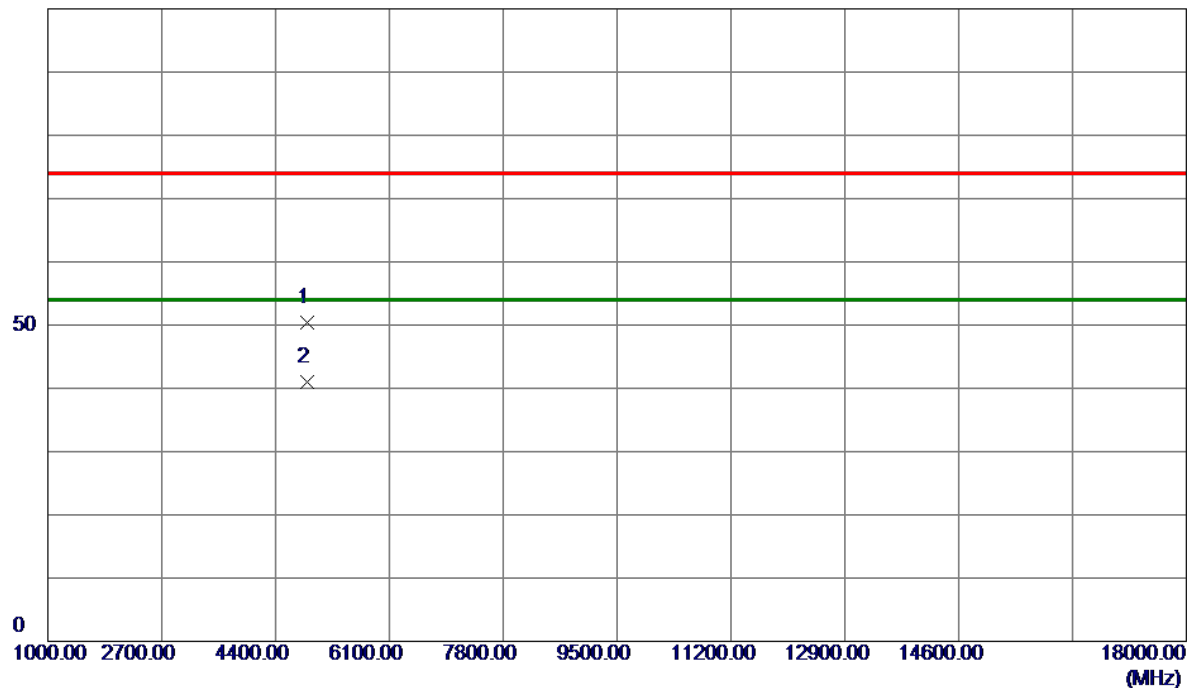
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1 * | 2435.3000    | 103.44                     | 7.08                    | 110.52                    | 54.00           | 56.52        | AVG      | No Limit |
| 2   | 2435.6000    | 110.87                     | 7.08                    | 117.95                    | 74.00           | 43.95        | Peak     | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                    |              |          |
|-----------|--------------------|--------------|----------|
| Test Mode | TX G Mode 2437 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|

100 dBuV/m



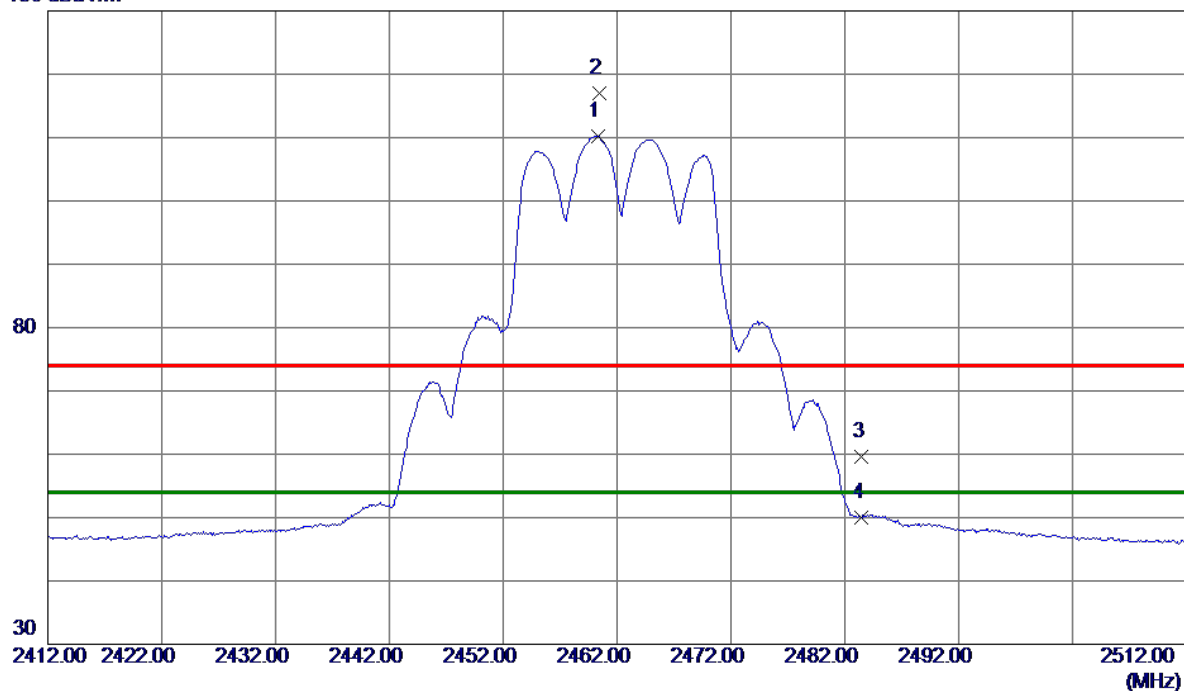
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 4873.2000    | 46.37                      | 3.96                    | 50.33                     | 74.00           | -23.67       | Peak     |         |
| 2 * | 4873.2000    | 37.07                      | 3.96                    | 41.03                     | 54.00           | -12.97       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                    |              |          |
|-----------|--------------------|--------------|----------|
| Test Mode | TX G Mode 2462 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|

130 dBuV/m



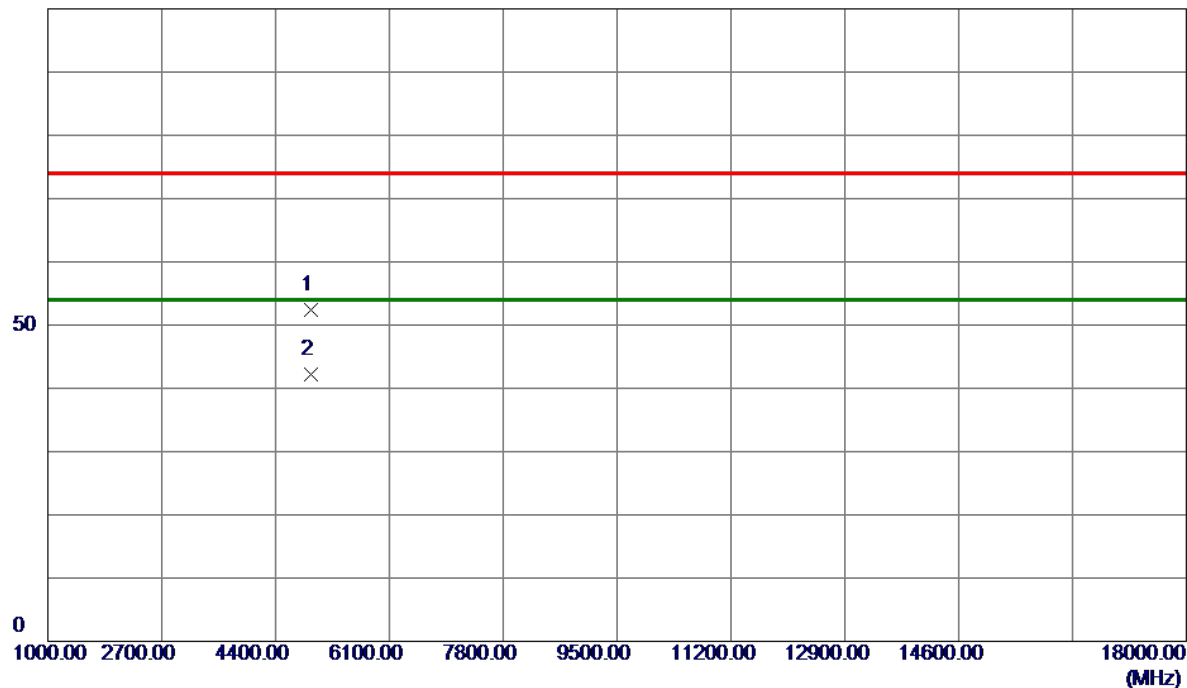
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1 * | 2460.3000    | 103.07                     | 7.16                    | 110.23                    | 54.00           | 56.23        | AVG      | No Limit |
| 2   | 2460.4000    | 109.87                     | 7.16                    | 117.03                    | 74.00           | 43.03        | Peak     | No Limit |
| 3   | 2483.5000    | 52.39                      | 7.23                    | 59.62                     | 74.00           | -14.38       | Peak     |          |
| 4   | 2483.5000    | 42.68                      | 7.23                    | 49.91                     | 54.00           | -4.09        | AVG      |          |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                    |              |          |
|-----------|--------------------|--------------|----------|
| Test Mode | TX G Mode 2462 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|

100 dBuV/m

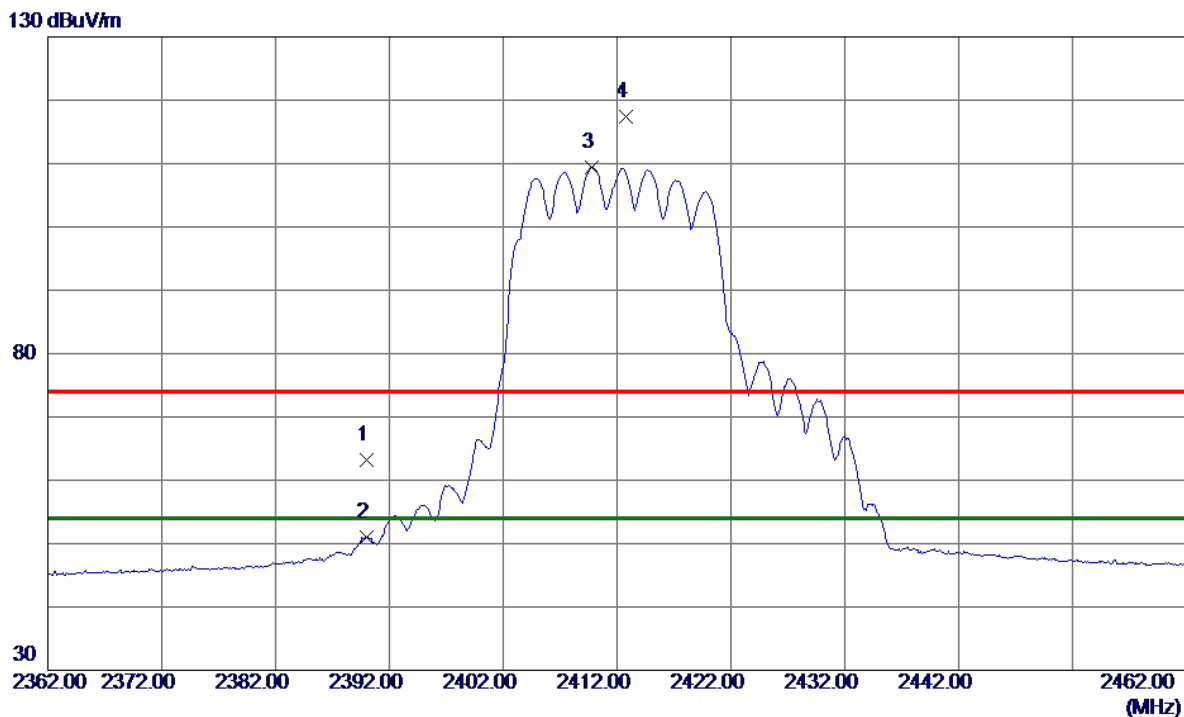


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 4922.4500    | 48.36                      | 4.09                    | 52.45                     | 74.00           | -21.55       | Peak     |         |
| 2 * | 4923.0000    | 38.04                      | 4.10                    | 42.14                     | 54.00           | -11.86       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test Mode | TX N(HT20) Mode 2412 MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|



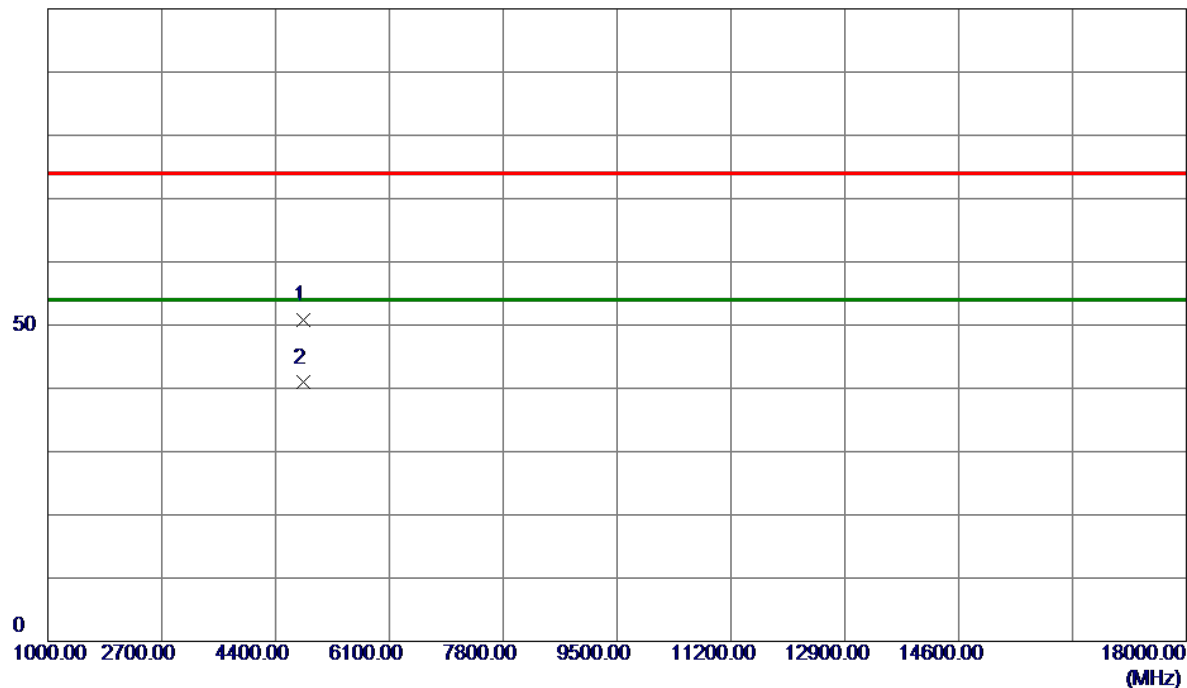
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1   | 2390.0000    | 56.28                      | 6.93                    | 63.21                     | 74.00           | -10.79       | Peak     |          |
| 2   | 2390.0000    | 43.98                      | 6.93                    | 50.91                     | 54.00           | -3.09        | AVG      |          |
| 3 * | 2409.8000    | 102.46                     | 7.00                    | 109.46                    | 54.00           | 55.46        | AVG      | No Limit |
| 4   | 2412.8000    | 110.30                     | 7.01                    | 117.31                    | 74.00           | 43.31        | Peak     | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test Mode | TX N(HT20) Mode 2412 MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|

100 dBuV/m

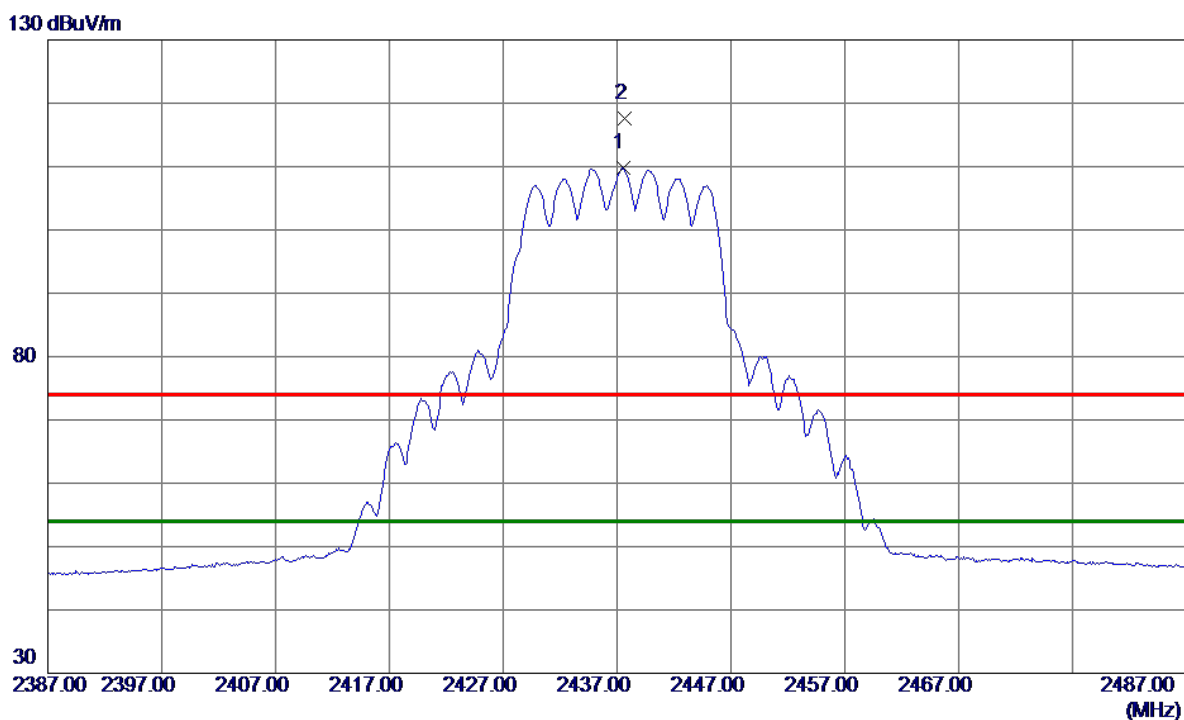


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 4820.7000    | 46.94                      | 3.82                    | 50.76                     | 74.00           | -23.24       | Peak     |         |
| 2 * | 4821.1500    | 37.08                      | 3.82                    | 40.90                     | 54.00           | -13.10       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test Mode | TX N(HT20) Mode 2437 MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|



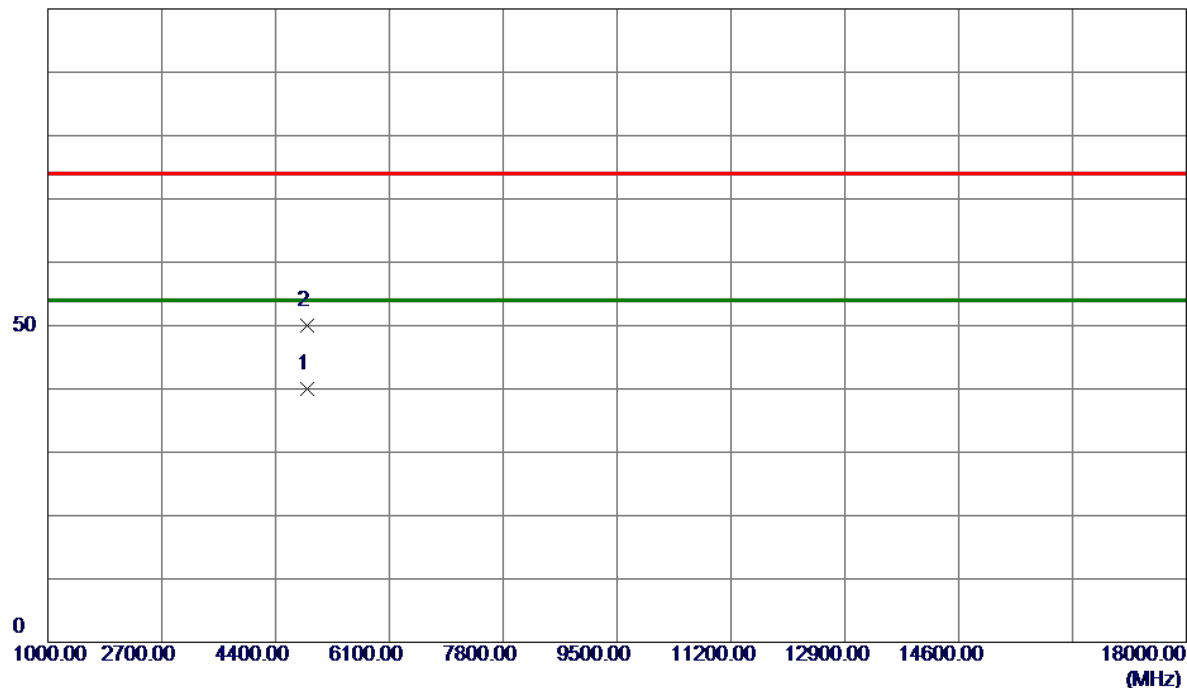
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1 * | 2437.5000    | 102.71                     | 7.08                    | 109.79                    | 54.00           | 55.79        | AVG      | No Limit |
| 2   | 2437.7000    | 110.54                     | 7.08                    | 117.62                    | 74.00           | 43.62        | Peak     | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test Mode | TX N(HT20) Mode 2437 MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|

100 dBuV/m

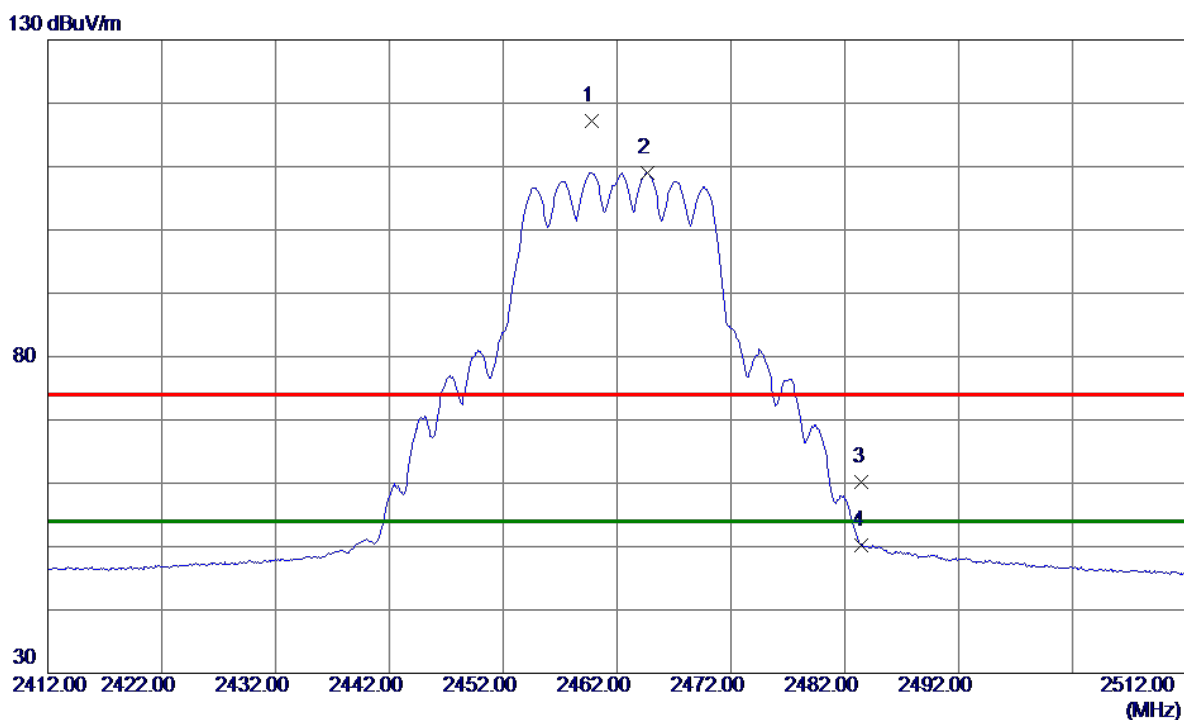


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 4870.8500    | 36.01                      | 3.96                    | 39.97                     | 54.00           | -14.03       | AVG      |         |
| 2   | 4873.4500    | 46.09                      | 3.96                    | 50.05                     | 74.00           | -23.95       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test Mode | TX N(HT20) Mode 2462 MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|



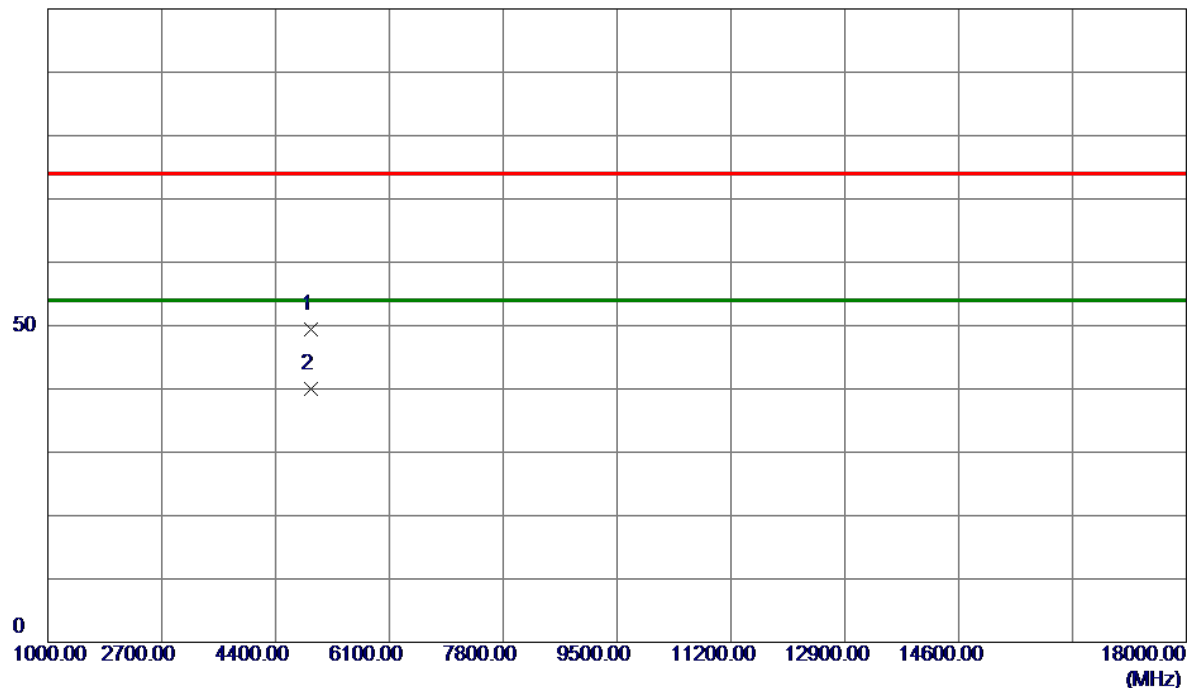
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1   | 2459.8000    | 109.96                     | 7.15                    | 117.11                    | 74.00           | 43.11        | Peak     | No Limit |
| 2 * | 2464.7000    | 101.89                     | 7.17                    | 109.06                    | 54.00           | 55.06        | AVG      | No Limit |
| 3   | 2483.5000    | 52.90                      | 7.23                    | 60.13                     | 74.00           | -13.87       | Peak     |          |
| 4   | 2483.5000    | 42.91                      | 7.23                    | 50.14                     | 54.00           | -3.86        | AVG      |          |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test Mode | TX N(HT20) Mode 2462 MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|

100 dBuV/m

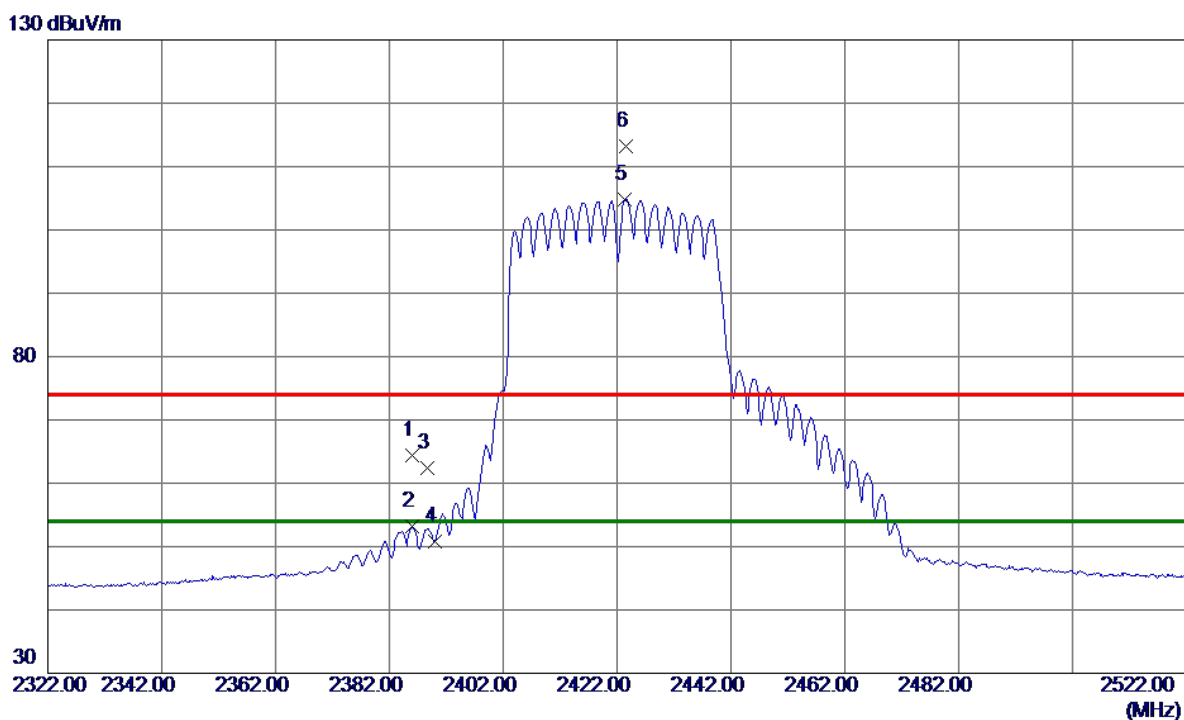


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 4921.2500    | 45.38                      | 4.09                    | 49.47                     | 74.00           | -24.53       | Peak     |         |
| 2 * | 4921.2500    | 35.98                      | 4.09                    | 40.07                     | 54.00           | -13.93       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test Mode | TX N(HT40) Mode 2422 MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|



| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1   | 2386.0000    | 57.55                      | 6.92                    | 64.47                     | 74.00           | -9.53        | Peak     |          |
| 2   | 2386.0000    | 46.31                      | 6.92                    | 53.23                     | 54.00           | -0.77        | AVG      |          |
| 3   | 2388.6000    | 55.55                      | 6.93                    | 62.48                     | 74.00           | -11.52       | Peak     |          |
| 4   | 2390.0000    | 43.80                      | 6.93                    | 50.73                     | 54.00           | -3.27        | AVG      |          |
| 5 * | 2423.4000    | 97.81                      | 7.04                    | 104.85                    | 54.00           | 50.85        | AVG      | No Limit |
| 6   | 2423.6000    | 106.22                     | 7.04                    | 113.26                    | 74.00           | 39.26        | Peak     | No Limit |

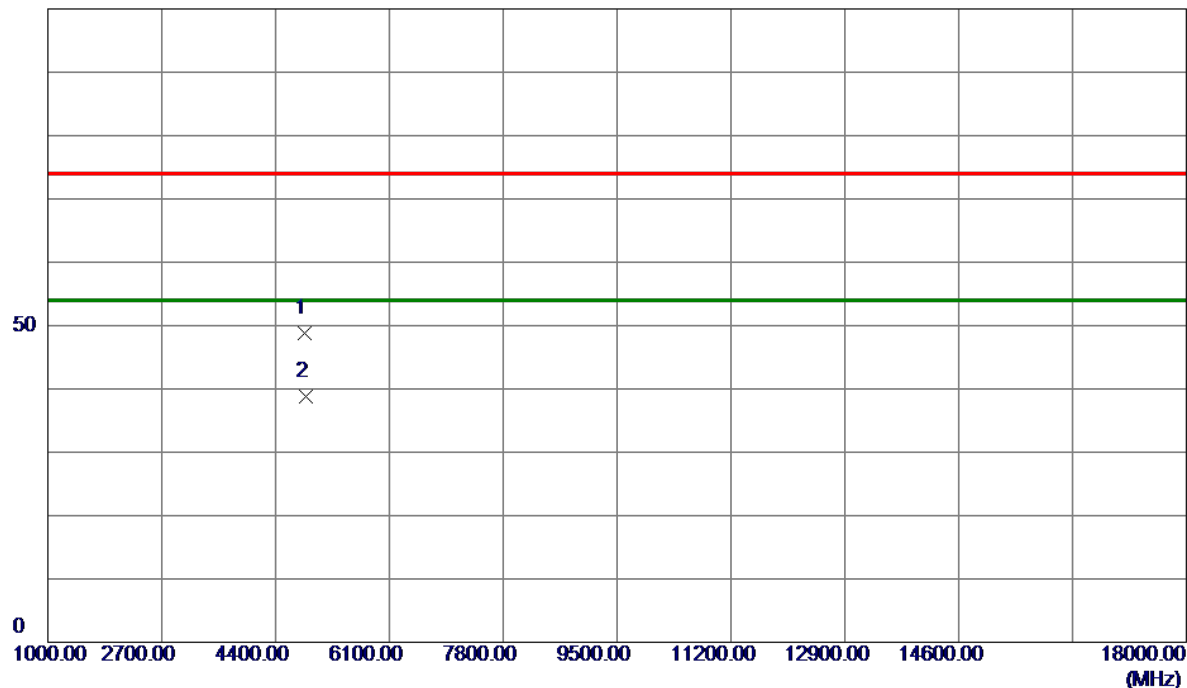
## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test Mode | TX N(HT40) Mode 2422 MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|

100 dBuV/m

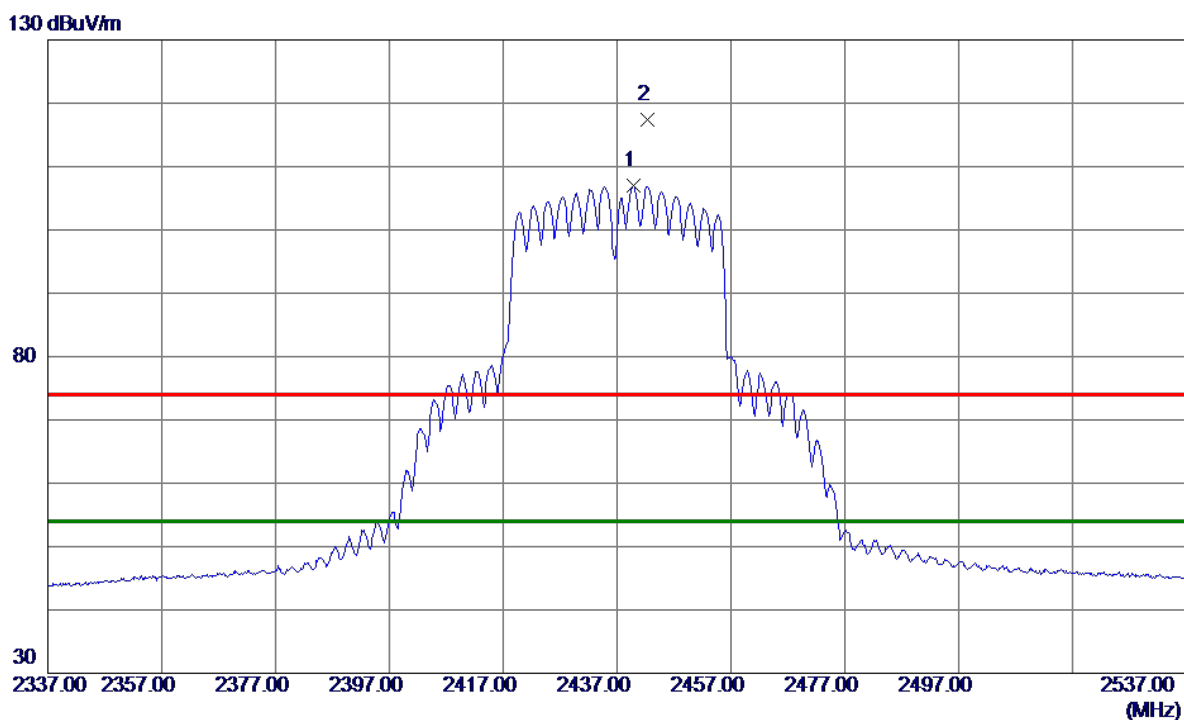


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 4838.8000    | 44.96                      | 3.87                    | 48.83                     | 74.00           | -25.17       | Peak     |         |
| 2 * | 4851.1000    | 34.87                      | 3.90                    | 38.77                     | 54.00           | -15.23       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test Mode | TX N(HT40) Mode 2437 MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|



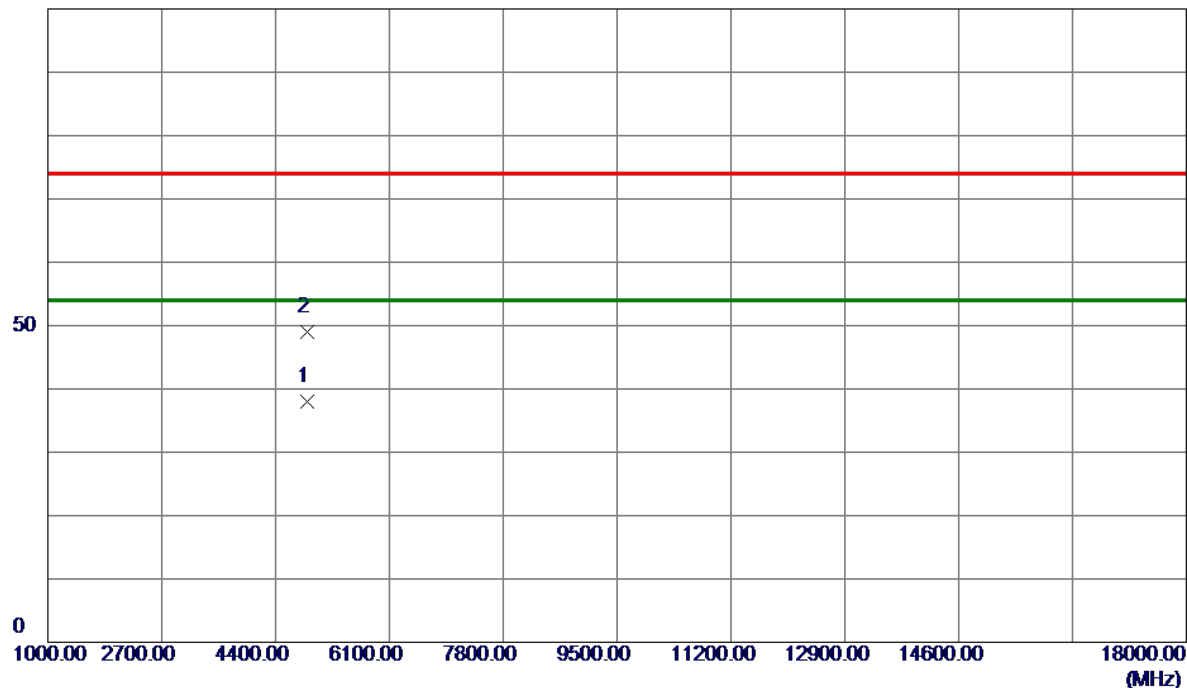
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1 * | 2439.8000    | 99.88                      | 7.09                    | 106.97                    | 54.00           | 52.97        | AVG      | No Limit |
| 2   | 2442.4000    | 110.30                     | 7.10                    | 117.40                    | 74.00           | 43.40        | Peak     | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test Mode | TX N(HT40) Mode 2437 MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|

100 dBuV/m



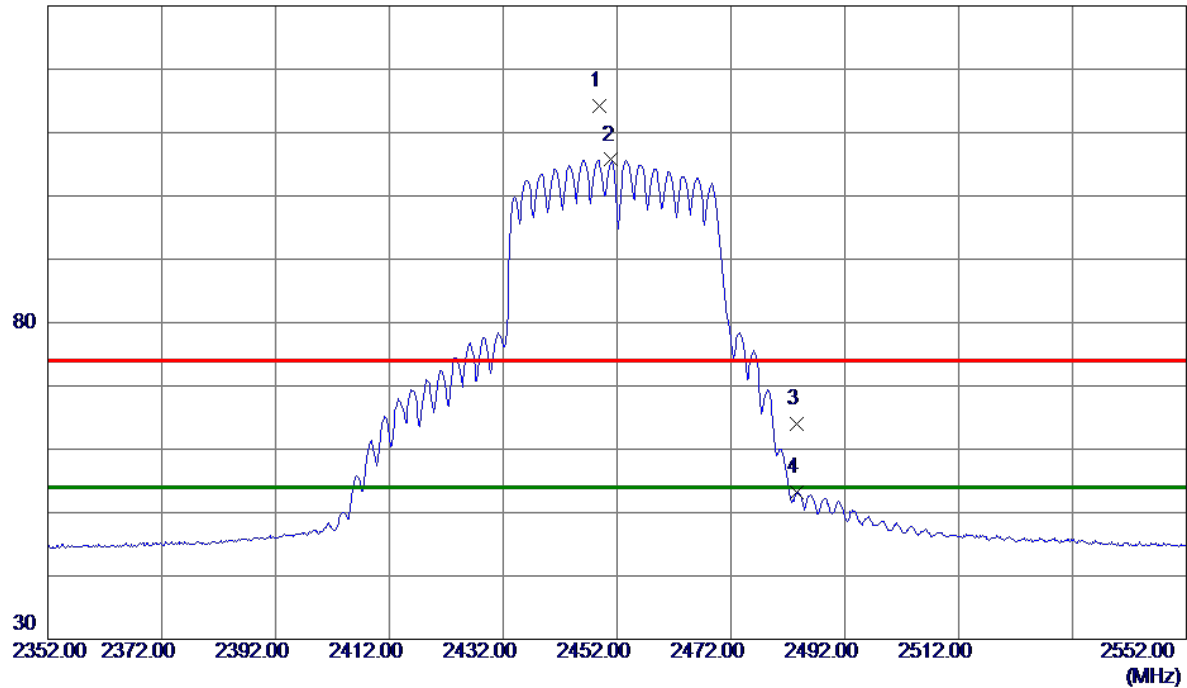
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 4872.9000    | 34.13                      | 3.96                    | 38.09                     | 54.00           | -15.91       | AVG      |         |
| 2   | 4876.4000    | 44.97                      | 3.97                    | 48.94                     | 74.00           | -25.06       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test Mode | TX N(HT40) Mode 2452 MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|

130 dBuV/m



| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1   | 2448.8000    | 106.99                     | 7.12                    | 114.11                    | 74.00           | 40.11        | Peak     | No Limit |
| 2 * | 2451.0000    | 98.57                      | 7.13                    | 105.70                    | 54.00           | 51.70        | AVG      | No Limit |
| 3   | 2483.5000    | 56.72                      | 7.23                    | 63.95                     | 74.00           | -10.05       | Peak     |          |
| 4   | 2483.5000    | 45.92                      | 7.23                    | 53.15                     | 54.00           | -0.85        | AVG      |          |

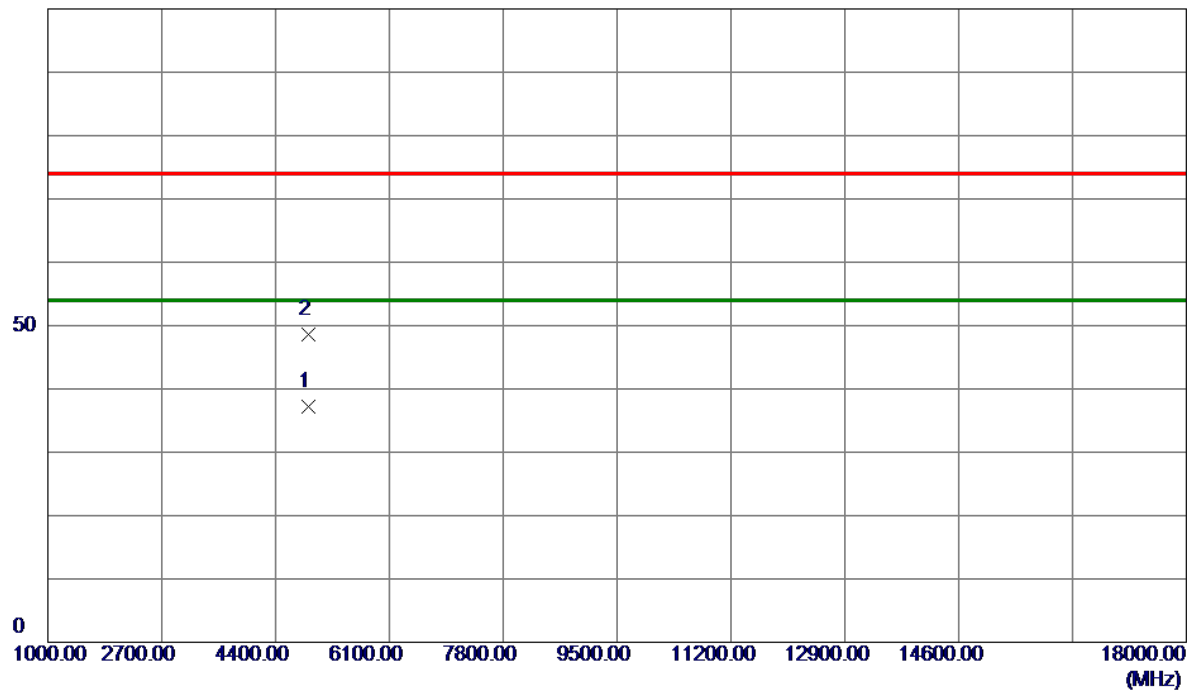
## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test Mode | TX N(HT40) Mode 2452 MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|

100 dBuV/m

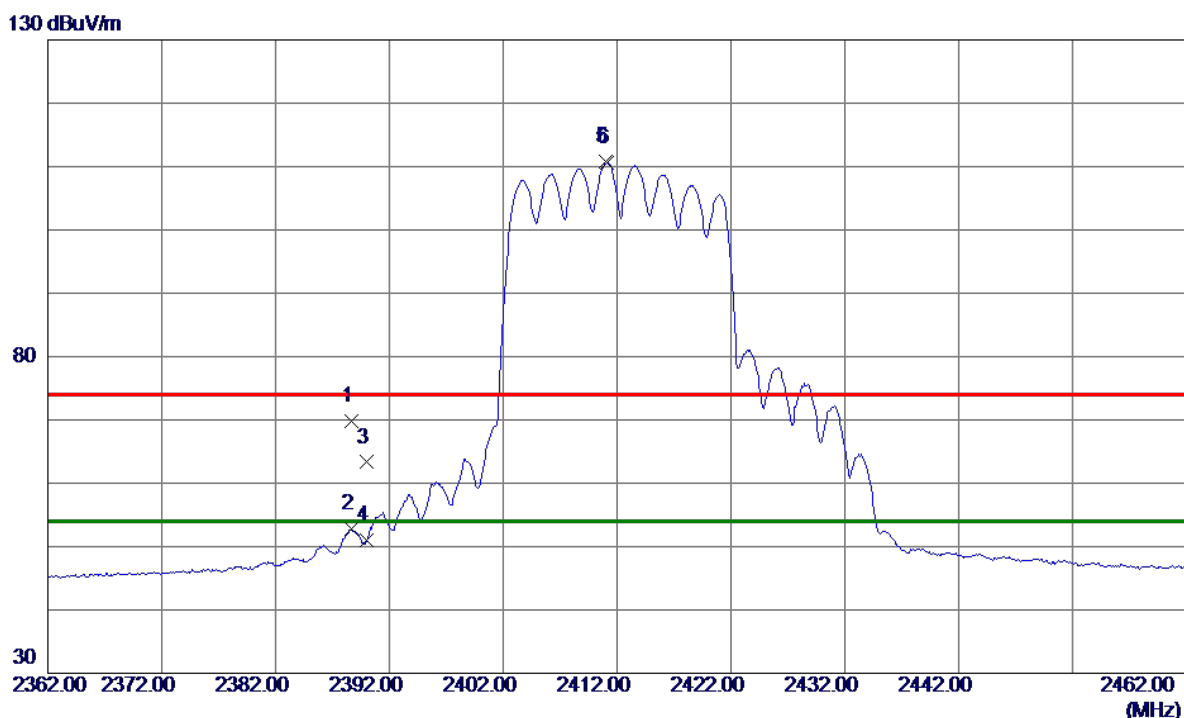


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 4898.4500    | 33.26                      | 4.03                    | 37.29                     | 54.00           | -16.71       | AVG      |         |
| 2   | 4898.7500    | 44.48                      | 4.03                    | 48.51                     | 74.00           | -25.49       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test Mode | TX AX(HE20) Mode 2412 MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|



| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1   | 2388.7000    | 62.96                      | 6.93                    | 69.89                     | 74.00           | -4.11        | Peak     |          |
| 2   | 2388.7000    | 45.80                      | 6.93                    | 52.73                     | 54.00           | -1.27        | AVG      |          |
| 3   | 2390.0000    | 56.37                      | 6.93                    | 63.30                     | 74.00           | -10.70       | Peak     |          |
| 4   | 2390.0000    | 44.10                      | 6.93                    | 51.03                     | 54.00           | -2.97        | AVG      |          |
| 5   | 2411.0000    | 103.86                     | 7.00                    | 110.86                    | 74.00           | 36.86        | Peak     | No Limit |
| 6 * | 2411.1000    | 103.57                     | 7.00                    | 110.57                    | 54.00           | 56.57        | AVG      | No Limit |

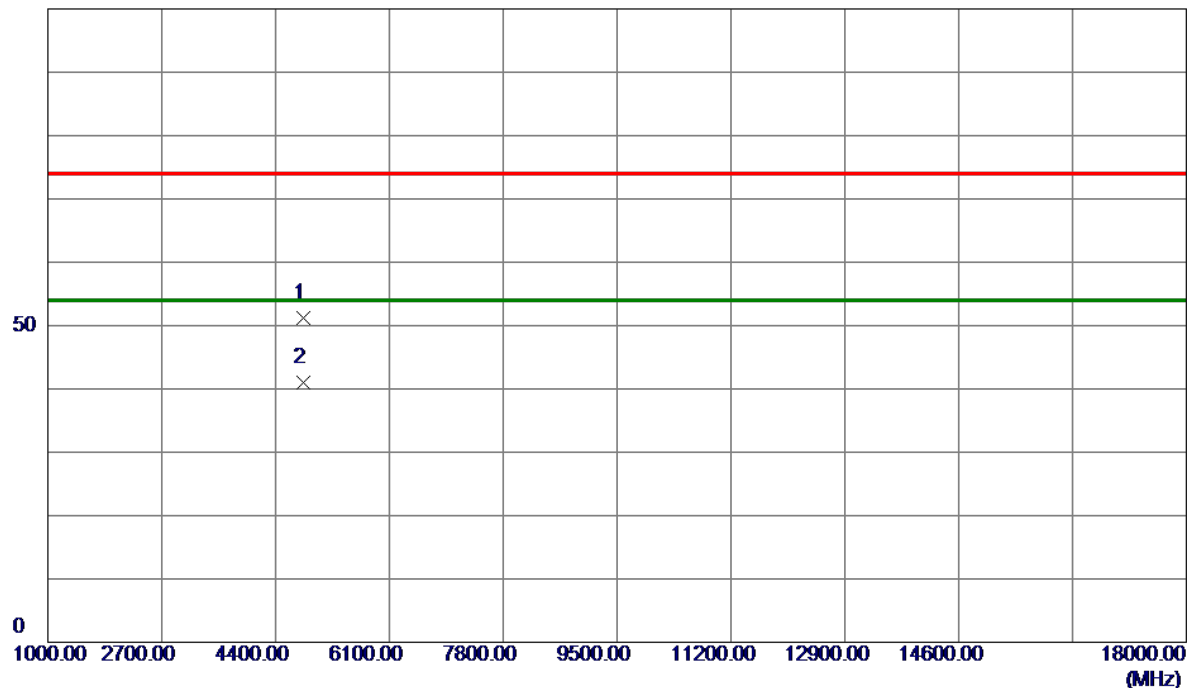
## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test Mode | TX AX(HE20) Mode 2412 MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|

100 dBuV/m

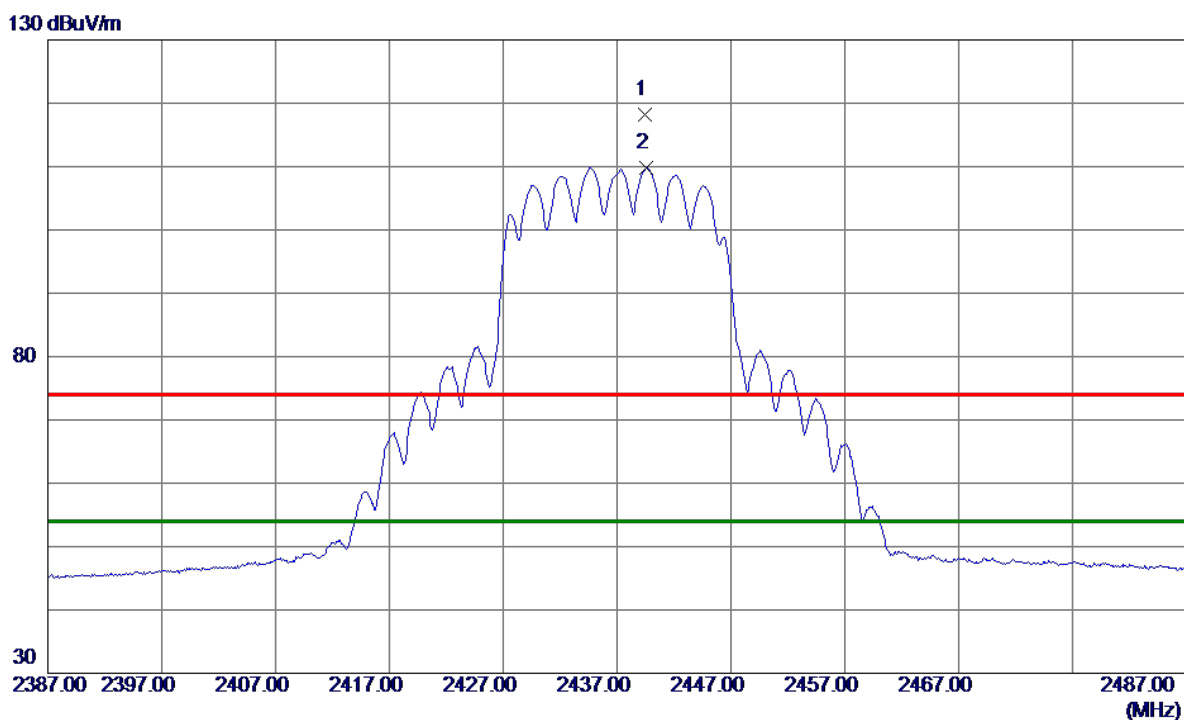


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 4818.2000    | 47.43                      | 3.82                    | 51.25                     | 74.00           | -22.75       | Peak     |         |
| 2 * | 4820.9000    | 37.13                      | 3.82                    | 40.95                     | 54.00           | -13.05       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test Mode | TX AX(HE20) Mode 2437 MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|



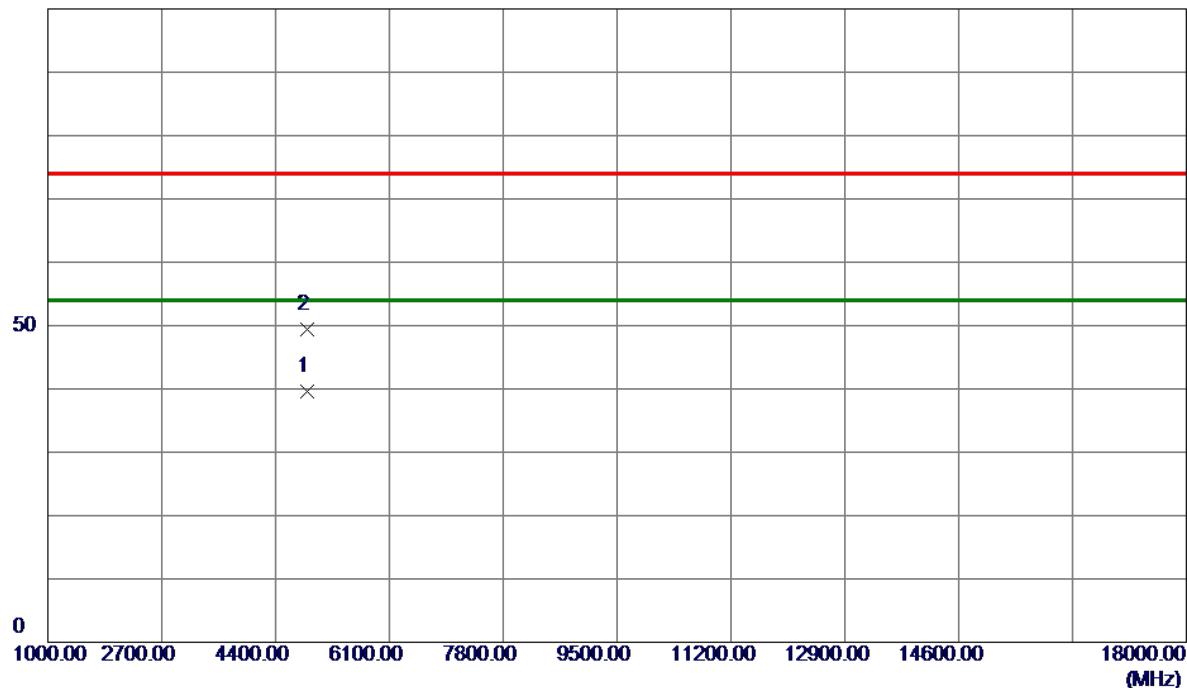
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1   | 2439.4000    | 111.12                     | 7.09                    | 118.21                    | 74.00           | 44.21        | Peak     | No Limit |
| 2 * | 2439.6000    | 102.74                     | 7.09                    | 109.83                    | 54.00           | 55.83        | AVG      | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test Mode | TX AX(HE20) Mode 2437 MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|

100 dBuV/m

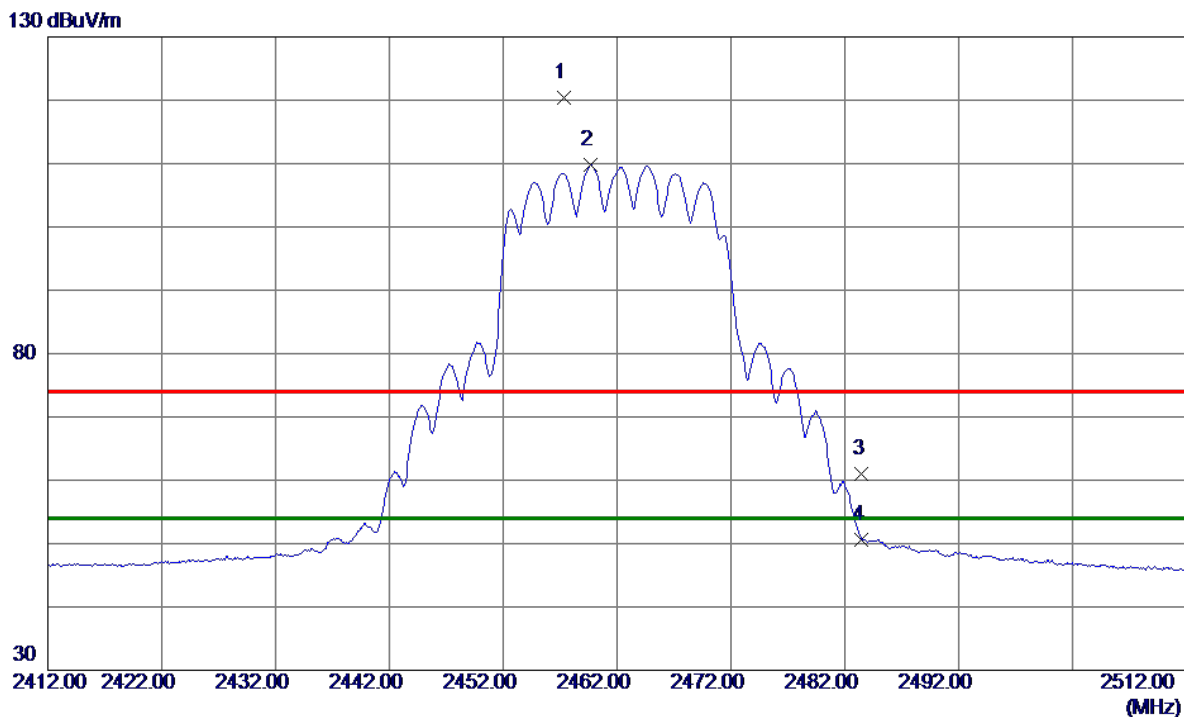


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 4870.8000    | 35.57                      | 3.96                    | 39.53                     | 54.00           | -14.47       | AVG      |         |
| 2   | 4871.4000    | 45.51                      | 3.96                    | 49.47                     | 74.00           | -24.53       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test Mode | TX AX(HE20) Mode 2462 MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|



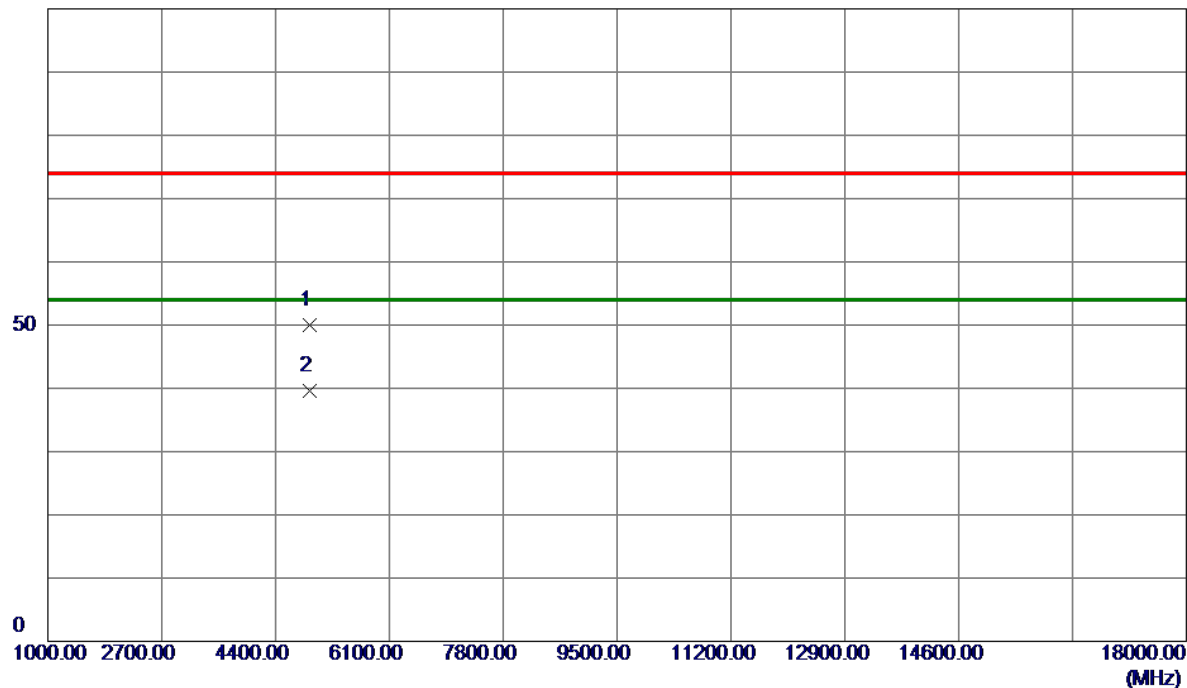
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1   | 2457.3000    | 113.17                     | 7.15                    | 120.32                    | 74.00           | 46.32        | Peak     | No Limit |
| 2 * | 2459.7000    | 102.56                     | 7.15                    | 109.71                    | 54.00           | 55.71        | AVG      | No Limit |
| 3   | 2483.5000    | 53.70                      | 7.23                    | 60.93                     | 74.00           | -13.07       | Peak     |          |
| 4   | 2483.5000    | 43.44                      | 7.23                    | 50.67                     | 54.00           | -3.33        | AVG      |          |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test Mode | TX AX(HE20) Mode 2462 MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|

100 dBuV/m

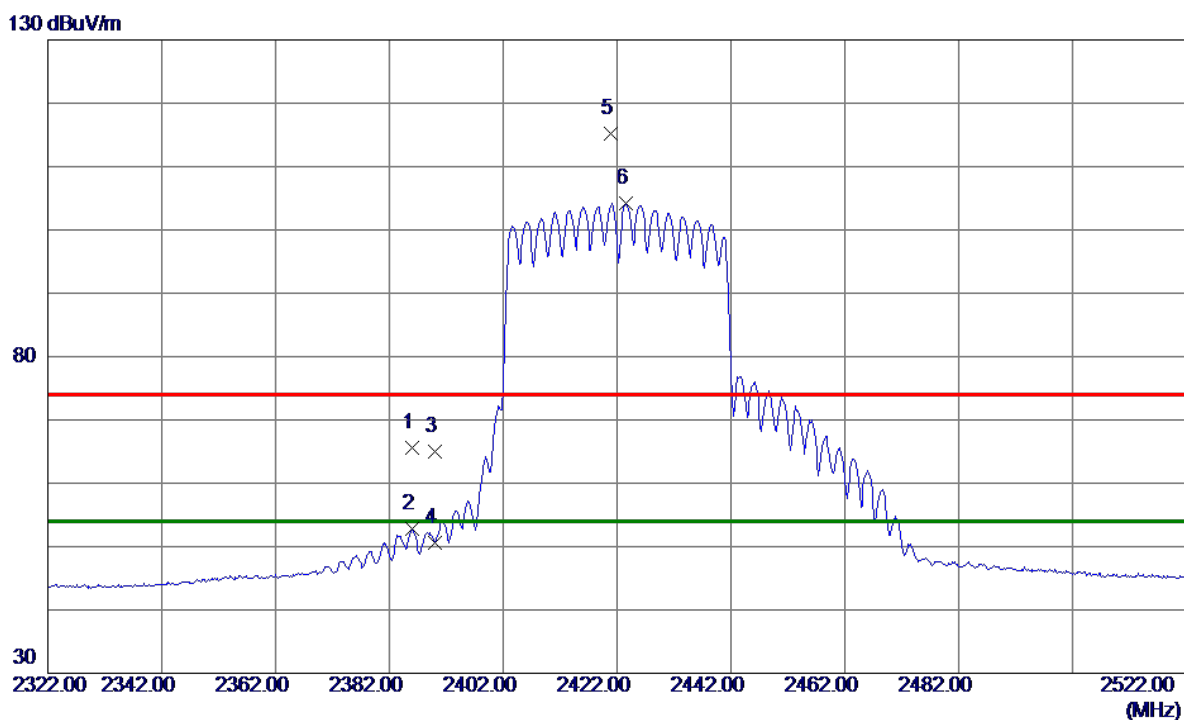


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 4918.5500    | 45.99                      | 4.08                    | 50.07                     | 74.00           | -23.93       | Peak     |         |
| 2 * | 4918.6000    | 35.43                      | 4.08                    | 39.51                     | 54.00           | -14.49       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test Mode | TX AX(HE40) Mode 2422 MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|



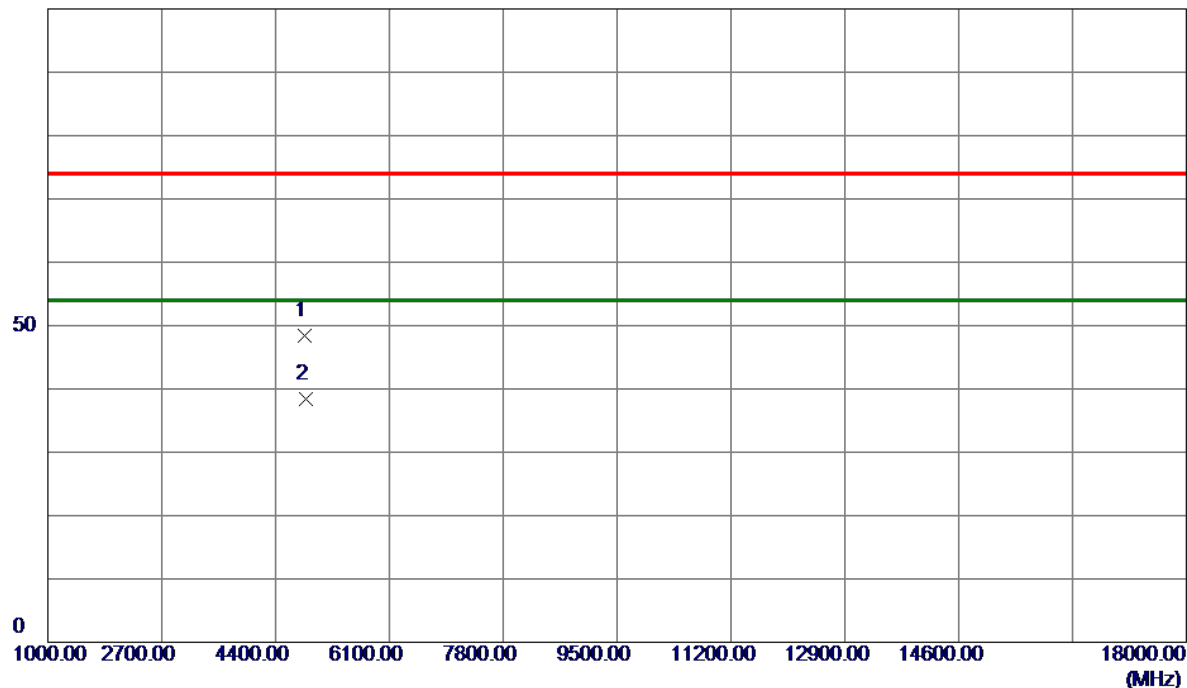
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1   | 2386.0000    | 58.66                      | 6.92                    | 65.58                     | 74.00           | -8.42        | Peak     |          |
| 2   | 2386.0000    | 45.79                      | 6.92                    | 52.71                     | 54.00           | -1.29        | AVG      |          |
| 3   | 2390.0000    | 58.06                      | 6.93                    | 64.99                     | 74.00           | -9.01        | Peak     |          |
| 4   | 2390.0000    | 43.75                      | 6.93                    | 50.68                     | 54.00           | -3.32        | AVG      |          |
| 5   | 2420.8000    | 108.14                     | 7.03                    | 115.17                    | 74.00           | 41.17        | Peak     | No Limit |
| 6 * | 2423.6000    | 97.09                      | 7.04                    | 104.13                    | 54.00           | 50.13        | AVG      | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test Mode | TX AX(HE40) Mode 2422 MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|

100 dBuV/m

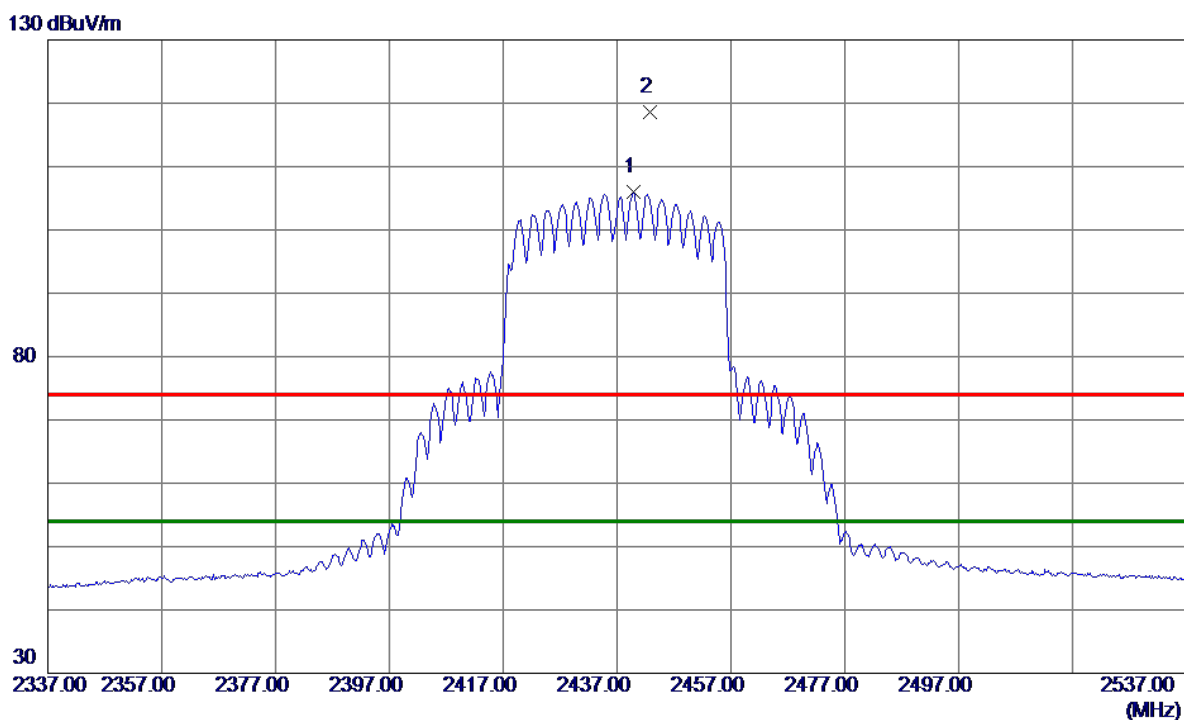


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1   | 4842.9500    | 44.58                      | 3.88                    | 48.46                     | 74.00           | -25.54       | Peak     |         |
| 2 * | 4851.2000    | 34.49                      | 3.90                    | 38.39                     | 54.00           | -15.61       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test Mode | TX AX(HE40) Mode 2437 MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|



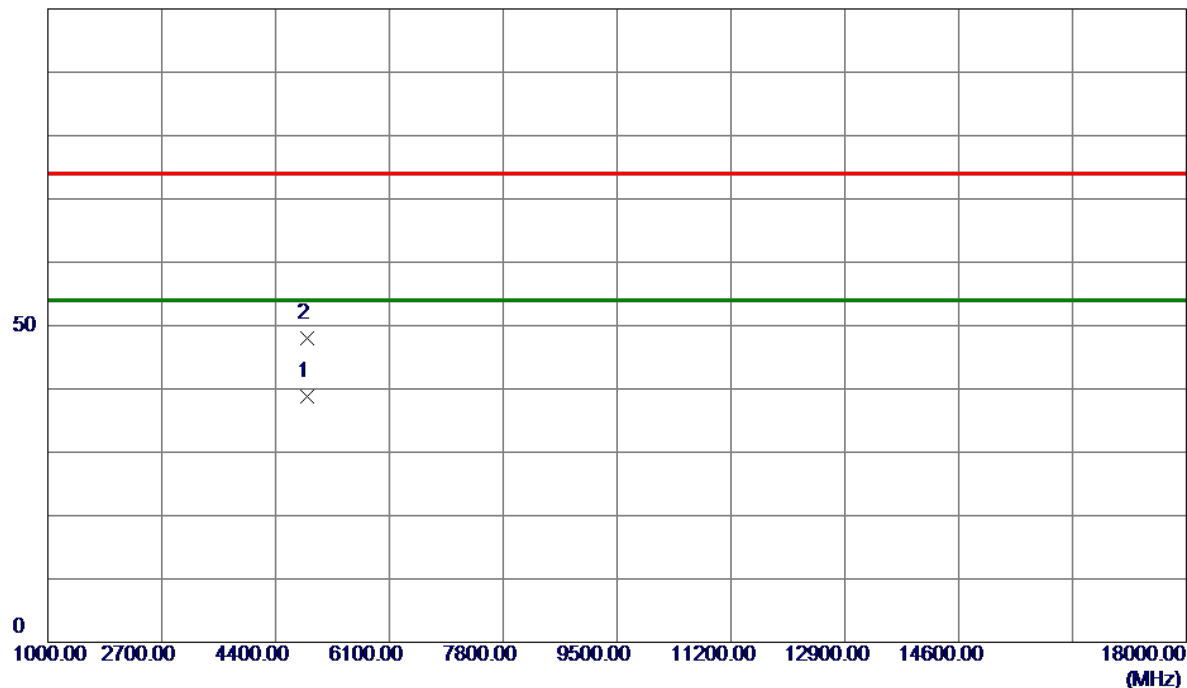
| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1 * | 2439.8000    | 98.89                      | 7.09                    | 105.98                    | 54.00           | 51.98        | AVG      | No Limit |
| 2   | 2442.8000    | 111.44                     | 7.10                    | 118.54                    | 74.00           | 44.54        | Peak     | No Limit |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test Mode | TX AX(HE40) Mode 2437 MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|

100 dBuV/m

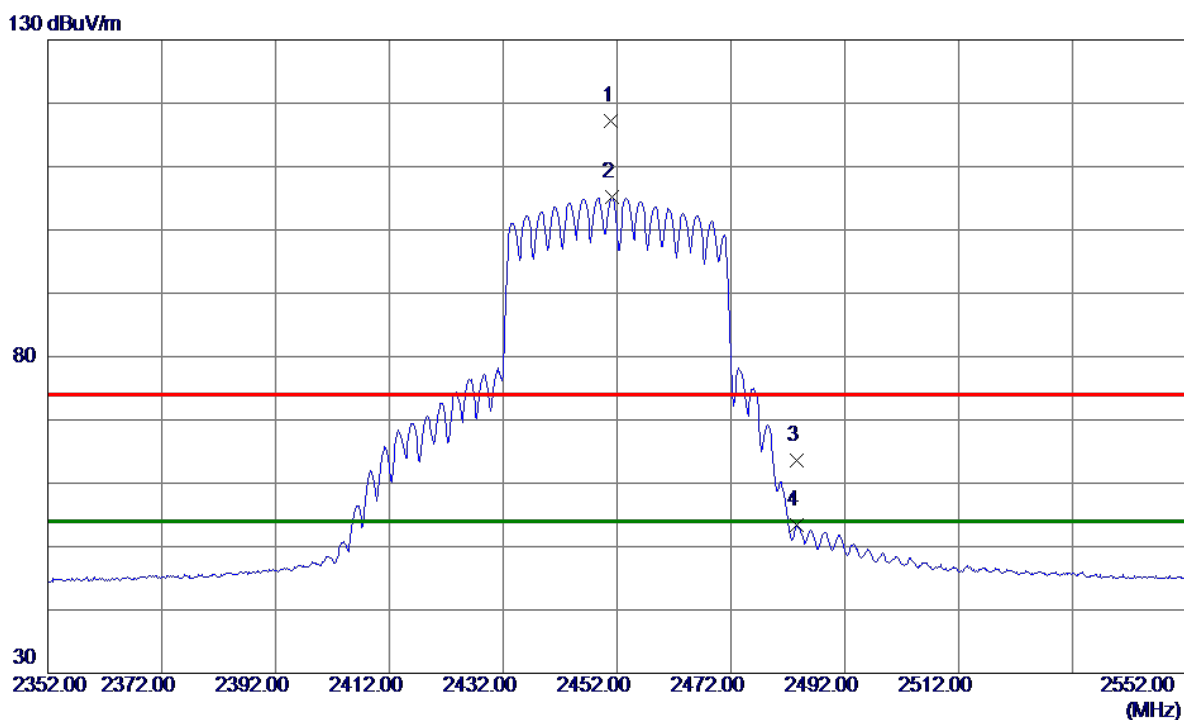


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 4873.3000    | 34.76                      | 3.96                    | 38.72                     | 54.00           | -15.28       | AVG      |         |
| 2   | 4881.2000    | 44.10                      | 3.98                    | 48.08                     | 74.00           | -25.92       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test Mode | TX AX(HE40) Mode 2452 MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|



| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment  |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|----------|
| 1   | 2451.0000    | 110.10                     | 7.13                    | 117.23                    | 74.00           | 43.23        | Peak     | No Limit |
| 2 * | 2451.2000    | 98.15                      | 7.13                    | 105.28                    | 54.00           | 51.28        | AVG      | No Limit |
| 3   | 2483.5000    | 56.33                      | 7.23                    | 63.56                     | 74.00           | -10.44       | Peak     |          |
| 4   | 2483.5000    | 46.08                      | 7.23                    | 53.31                     | 54.00           | -0.69        | AVG      |          |

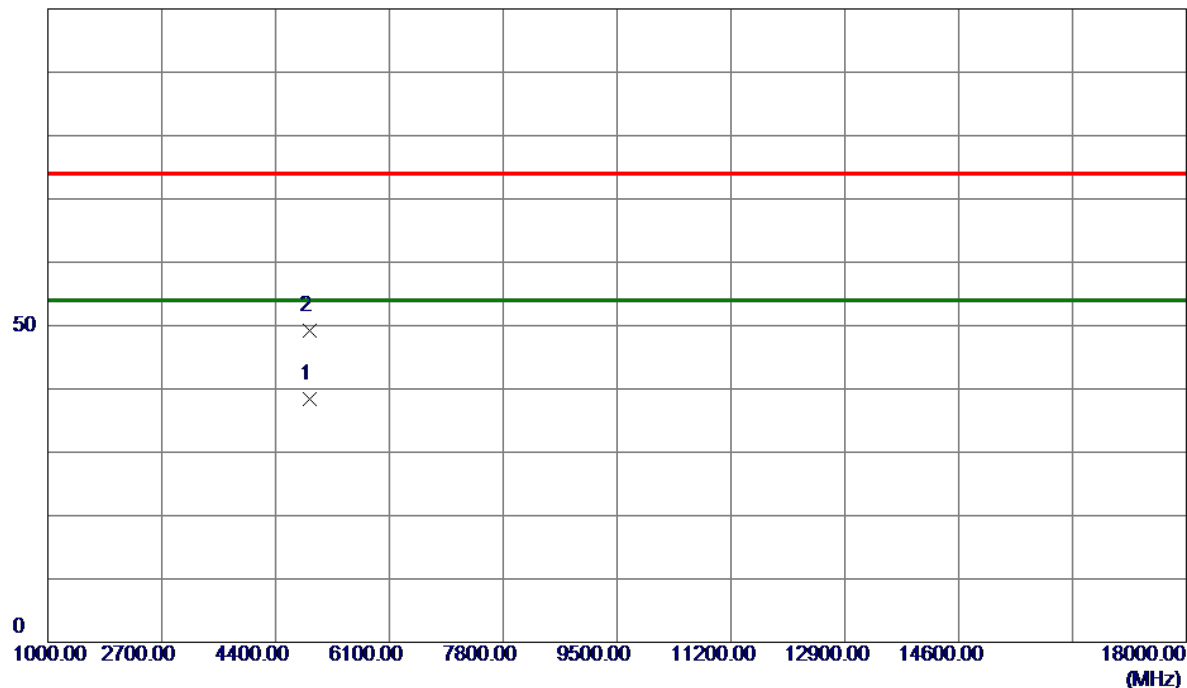
## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

|           |                           |              |          |
|-----------|---------------------------|--------------|----------|
| Test Mode | TX AX(HE40) Mode 2452 MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|

100 dBuV/m

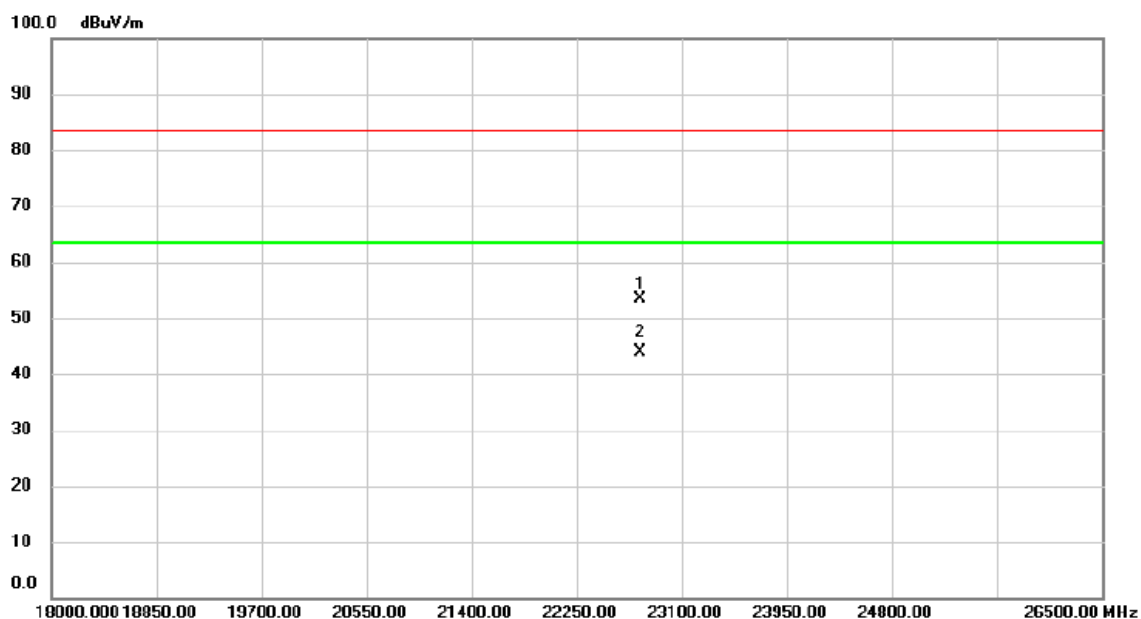


| No. | Freq.<br>MHz | Reading<br>Level<br>dBuV/m | Correct<br>Factor<br>dB | Measure<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|--------------|----------------------------|-------------------------|---------------------------|-----------------|--------------|----------|---------|
| 1 * | 4903.6000    | 34.45                      | 4.04                    | 38.49                     | 54.00           | -15.51       | AVG      |         |
| 2   | 4911.1500    | 45.19                      | 4.06                    | 49.25                     | 74.00           | -24.75       | Peak     |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

|           |                          |              |          |
|-----------|--------------------------|--------------|----------|
| Test Mode | TX N(HT40) Mode 2437 MHz | Polarization | Vertical |
|-----------|--------------------------|--------------|----------|

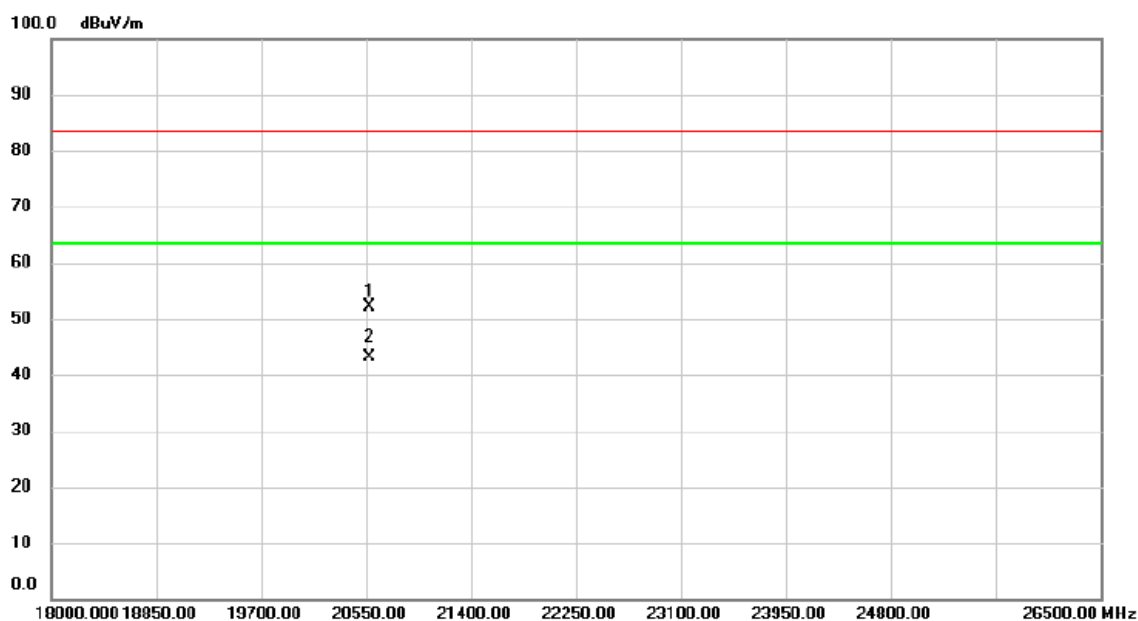


| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1   |     | 22760.000    | 47.63                    | 5.65                    | 53.28                      | 83.50           | -30.22       | peak     |         |
| 2   | *   | 22760.000    | 38.25                    | 5.65                    | 43.90                      | 63.50           | -19.60       | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

|           |                          |              |            |
|-----------|--------------------------|--------------|------------|
| Test Mode | TX N(HT40) Mode 2437 MHz | Polarization | Horizontal |
|-----------|--------------------------|--------------|------------|



| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measurement | Limit  | Margin |          |         |
|-----|-----|-----------|---------------|----------------|-------------|--------|--------|----------|---------|
|     |     | MHz       | dBuV          | dB             | dBuV/m      | dBuV/m | dB     | Detector | Comment |
| 1   |     | 20575.500 | 48.28         | 3.93           | 52.21       | 83.50  | -31.29 | peak     |         |
| 2   | *   | 20575.500 | 39.10         | 3.93           | 43.03       | 63.50  | -20.47 | AVG      |         |

## REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.

## APPENDIX E - BANDWIDTH

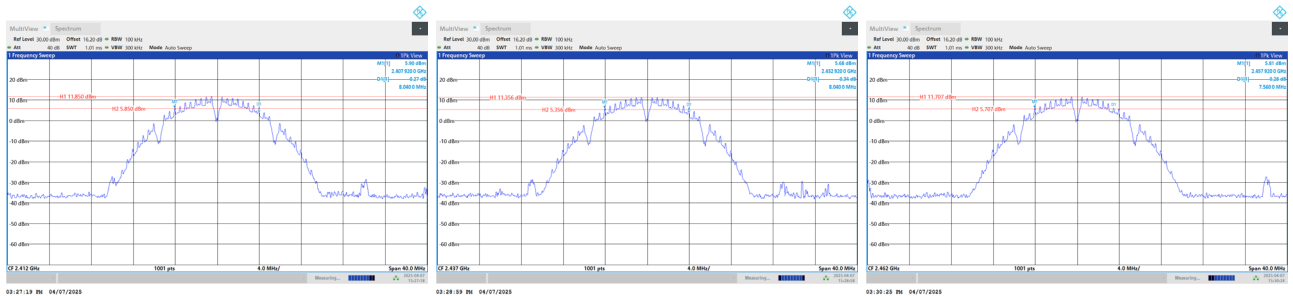
|           |           |
|-----------|-----------|
| Test Mode | TX B Mode |
|-----------|-----------|

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (MHz) | Result   |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 01      | 2412            | 8.040                | 12.346                        | 0.5                             | Complies |
| 06      | 2437            | 8.040                | 12.321                        | 0.5                             | Complies |
| 11      | 2462            | 7.560                | 12.346                        | 0.5                             | Complies |

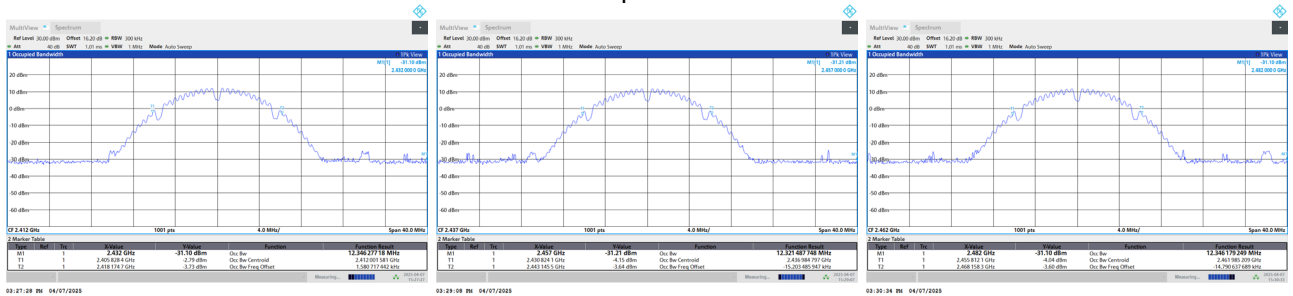
CH01

CH06  
6 dB Bandwidth

CH11



99 % Occupied Bandwidth



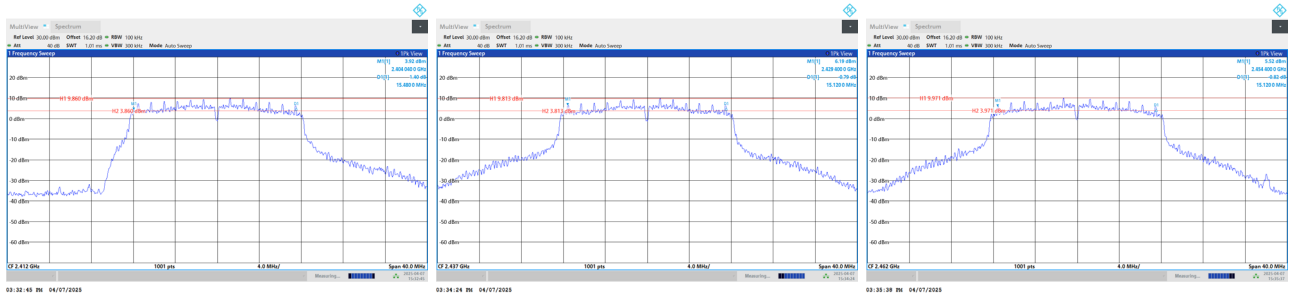
|           |           |
|-----------|-----------|
| Test Mode | TX G Mode |
|-----------|-----------|

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (MHz) | Result   |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 01      | 2412            | 15.480               | 16.836                        | 0.5                             | Complies |
| 06      | 2437            | 15.120               | 16.820                        | 0.5                             | Complies |
| 11      | 2462            | 15.120               | 16.751                        | 0.5                             | Complies |

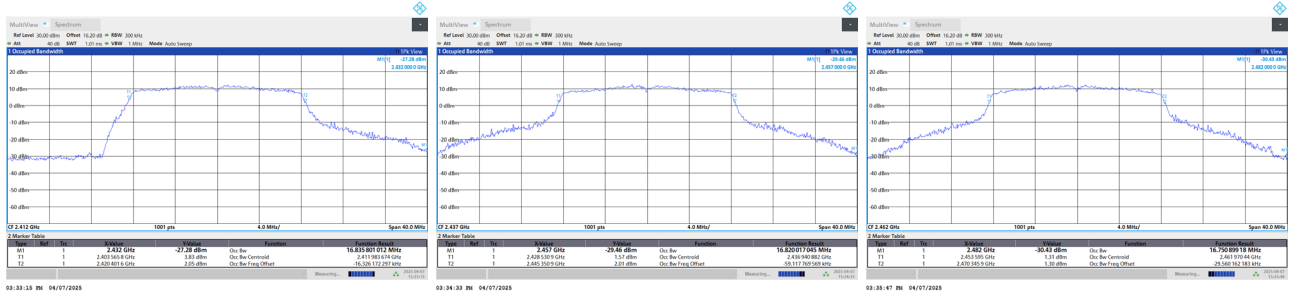
CH01

CH06  
6 dB Bandwidth

CH11



99 % Occupied Bandwidth



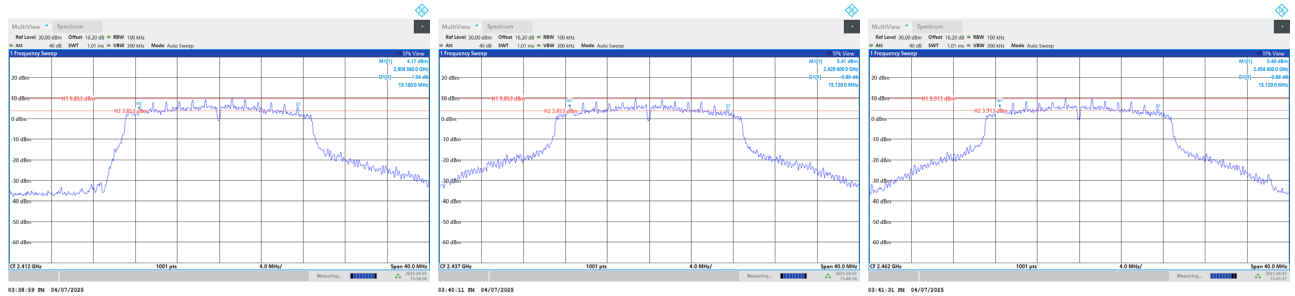
|           |                 |
|-----------|-----------------|
| Test Mode | TX N(HT20) Mode |
|-----------|-----------------|

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (MHz) | Result   |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 01      | 2412            | 15.160               | 17.828                        | 0.5                             | Complies |
| 06      | 2437            | 15.120               | 17.825                        | 0.5                             | Complies |
| 11      | 2462            | 15.120               | 17.859                        | 0.5                             | Complies |

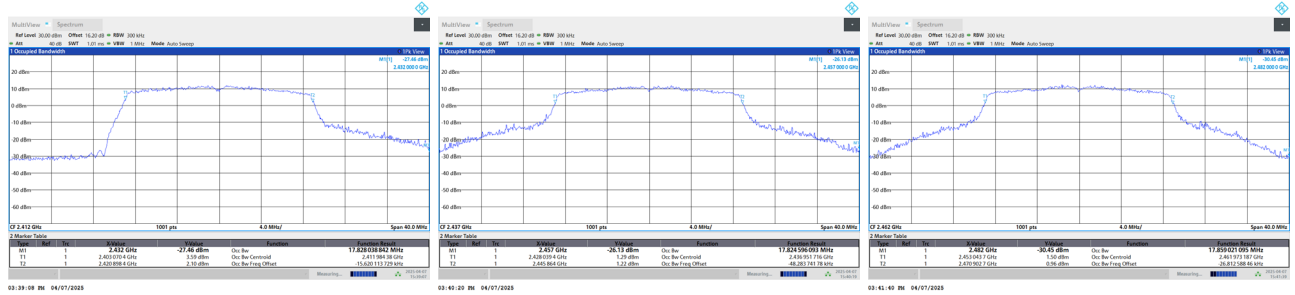
CH01

CH06  
6 dB Bandwidth

CH11



99 % Occupied Bandwidth



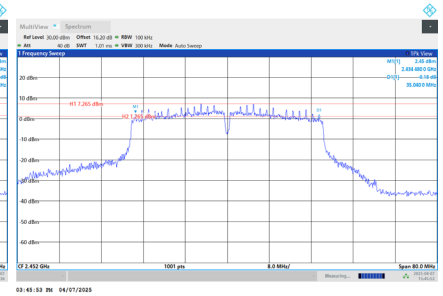
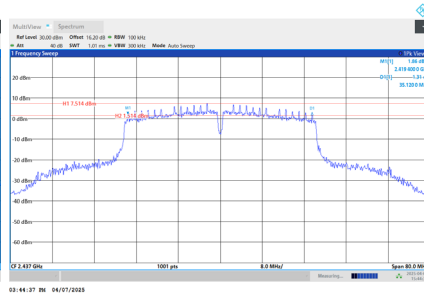
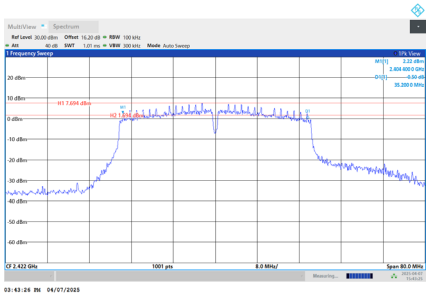
|           |                 |
|-----------|-----------------|
| Test Mode | TX N(HT40) Mode |
|-----------|-----------------|

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (MHz) | Result   |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 03      | 2422            | 35.200               | 36.576                        | 0.5                             | Complies |
| 06      | 2437            | 35.120               | 36.769                        | 0.5                             | Complies |
| 09      | 2452            | 35.040               | 36.915                        | 0.5                             | Complies |

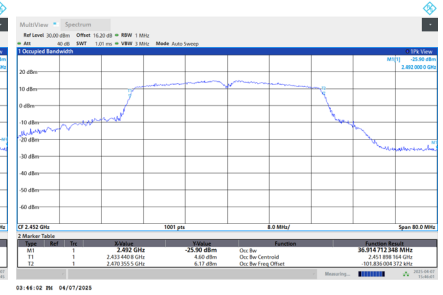
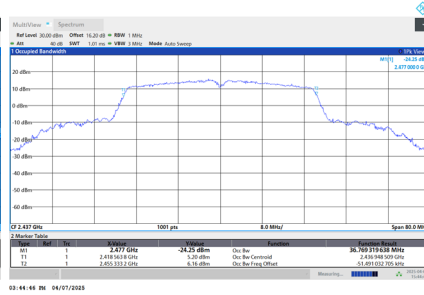
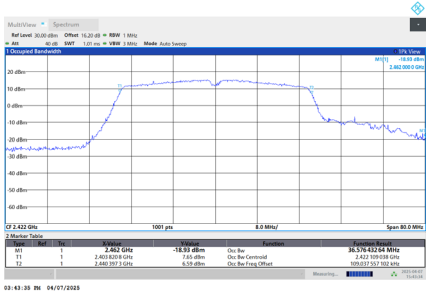
CH03

CH06  
6 dB Bandwidth

CH09



99 % Occupied Bandwidth



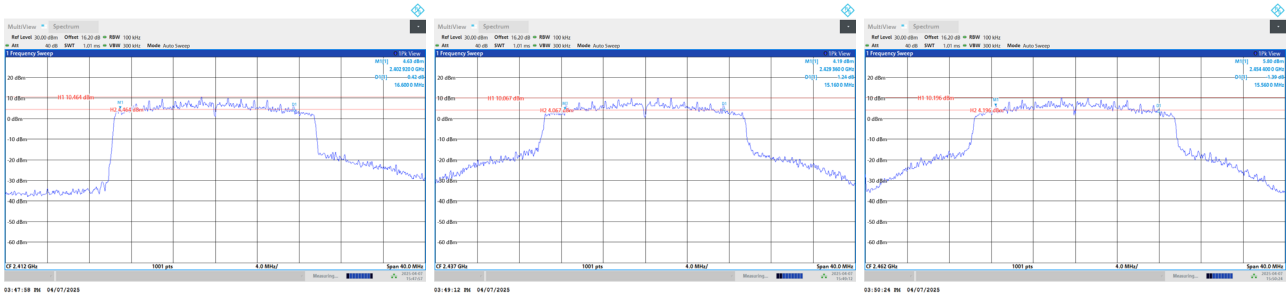
|           |                  |
|-----------|------------------|
| Test Mode | TX AX(HE20) Mode |
|-----------|------------------|

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (MHz) | Result   |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 01      | 2412            | 16.600               | 18.808                        | 0.5                             | Complies |
| 06      | 2437            | 15.160               | 18.983                        | 0.5                             | Complies |
| 11      | 2462            | 15.560               | 18.950                        | 0.5                             | Complies |

CH01

CH06  
6 dB Bandwidth

CH11



99 % Occupied Bandwidth

