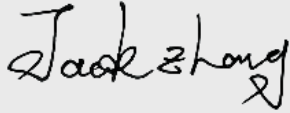


Test report No:  
2480675R-RF-US-P06V01

## FCC & ISSED TEST REPORT

|                                            |                                                                                                                |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Product Name                               | WiFi 7 (802.11be) 2x2 Dual Band<br>Dual Concurrent Wireless Module                                             |
| Trademark                                  | COMPEX                                                                                                         |
| Model and /or type reference               | WLE7002E25, WLTE7002E25, WLTB7002E25                                                                           |
| FCC ID                                     | TK4WLE7002E25                                                                                                  |
| IC                                         | 7849A-WLE7002E25                                                                                               |
| Applicant's name / address                 | Compex Systems Pte Ltd<br>No 178 Paya Lebar Road #05-05 Singapore 409030                                       |
| Test method requested, standard            | 47 CFR FCC Part 15 (Section 15.247)<br>ANSI C63.10: 2013<br>RSS-Gen Issue 5<br>RSS-247 Issue 3                 |
| Verdict Summary                            | IN COMPLIANCE                                                                                                  |
| Tested By<br>(name / position & signature) | Jun Xu/Project Engineer<br> |
| Approved by (name / position & signature)  | Jack Zhang/ Manager<br>    |
| Date of issue                              | 2024-10-29                                                                                                     |
| Report Version                             | V1.0                                                                                                           |
| Report template No                         | Template_FCC Part 15C-RF-V1.0                                                                                  |

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## COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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## GENERAL CONDITIONS

|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| Test Location        | No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China |
| Date(receive sample) | Aug. 26, 2024                                                          |
| Date (start test)    | Aug. 27, 2024                                                          |
| Date (finish test)   | Sep. 30, 2024                                                          |

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.
5. The 2.4G WLAN part of AirEngine6761-21T is exactly the same as AirEngine5761-11, so we only verified the power and AC Power Line Conducted Emission, and other data are quoted from AirEngine5761-11.

## ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

|                       |               |
|-----------------------|---------------|
| Ambient temperature   | 15 °C – 35 °C |
| Relative Humidity air | 30% - 60%     |

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

## POSSIBLE TEST CASE VERDICTS

|                                         |                 |
|-----------------------------------------|-----------------|
| Test case does not apply to test object | N/A             |
| Test object does meet requirement       | P (Pass) / PASS |
| Test object does not meet requirement   | F (Fail) / FAIL |
| Not measured                            | N/M             |

## ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

|       |                               |
|-------|-------------------------------|
| EUT   | : Equipment Under Test        |
| QP    | : Quasi-Peak                  |
| CAV   | : CISPR Average               |
| AV    | : Average                     |
| CDN   | : Coupling Decoupling Network |
| SAC   | : Semi-Anechoic Chamber       |
| OATS  | : Open Area Test Site         |
| BW    | : Bandwidth                   |
| AM    | : Amplitude Modulation        |
| PM    | : Pulse Modulation            |
| HCP   | : Horizontal Coupling Plane   |
| VCP   | : Vertical Coupling Plane     |
| $U_N$ | : Nominal voltage             |
| $T_x$ | : Transmitter                 |
| $R_x$ | : Receiver                    |
| N/A   | : Not Applicable              |
| N/M   | : Not Measured                |

## DOCUMENT HISTORY

| Report No.            | Version | Description              | Issued Date |
|-----------------------|---------|--------------------------|-------------|
| 2480675R-RF-US-P06V01 | V1.0    | Initial issue of report. | 2024-10-29  |
|                       |         |                          |             |
|                       |         |                          |             |
|                       |         |                          |             |
|                       |         |                          |             |
|                       |         |                          |             |
|                       |         |                          |             |
|                       |         |                          |             |
|                       |         |                          |             |

## REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with 47 CFR FCC Part 15 (Section 15.247),RSS-247 Issue 3. RSS-Gen Issue 5.
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
  - Chapter 1.1 General Description of the Item(s);
  - Chapter 1.2 Antenna Informaion;
  - Chapter 1.3 Data Rate;
  - Chapter 1.4 Channel List;

## USED EQUIPMENT

### Conducted Test/ TR8

| Instrument                                                    | Manufacturer | Model No.     | Serial No. | Cal. Date  | Next Cal. Date | Firmware Version | Software version |
|---------------------------------------------------------------|--------------|---------------|------------|------------|----------------|------------------|------------------|
| Wireless Connectivity Tester                                  | R&S          | CMW 270       | 102593     | 2024.05.15 | 2025.05.14     | V 4.0.60         | N/A              |
| Coaxial Cable                                                 | N/A          | N/A           | 2477       | 2024.06.11 | 2025.06.10     | N/A              | N/A              |
| Coaxial Cable                                                 | N/A          | N/A           | 2478       | 2024.06.11 | 2025.06.10     | N/A              | N/A              |
| High and low temperature and fast temperature change test box | ASTUOD       | ASTD-FBT-225K | N/A        | 2024.04.21 | 2025.04.20     | N/A              | N/A              |
| Temperature/Humidity Meter                                    | RTS          | RTS-8S        | RF07       | 2024.07.04 | 2025.07.03     | N/A              | N/A              |
| Test system                                                   |              |               |            |            |                |                  |                  |
| Instrument                                                    | Manufacturer | Model No.     | Serial No. | Cal. Date  | Next Cal. Date | Firmware Version | Software version |
| MAX Signal Analyzer                                           | Keysight     | N9010A        | MY48030494 | 2023.11.08 | 2024.11.07     | A.14.03          | N/A              |
| RF Control Unit                                               | Tonscend     | JS0806-2      | 22G8060594 | 2024.02.06 | 2025.02.05     | N/A              | N/A              |
| MXG-B RF Vector Signal Generator                              | Keysight     | N5182B        | MY61252529 | 2024.05.12 | 2025.05.11     | B.01.96          | N/A              |
| Frequency extender for EXG or MXG                             | Keysight     | N5182BX07     | MY59362500 | 2024.05.12 | 2025.05.11     | N/A              | N/A              |
| EXG-B MW Analog Signal Generator                              | Keysight     | N5173B        | MY61252566 | 2024.07.06 | 2025.07.05     | B.01.95          | N/A              |
| Test Software                                                 | Tonscend     | TS1120        | JS1120-3   | N/A        | N/A            | N/A              | V3.0.22          |

## Radiated Emission(9KHz-1GHz) / AC2

| Instrument                 | Manufacturer | Model No.    | Serial No. | Cal. Date  | Next Cal. Date | Firmware Version | Software version |
|----------------------------|--------------|--------------|------------|------------|----------------|------------------|------------------|
| EMI Test Receiver          | R&S          | ESCI         | 100176     | 2024.05.12 | 2025.05.11     | 4.42 SP3         | N/A              |
| Loop Antenna               | R&S          | HFH2-Z2E     | 101149     | 2024.03.27 | 2025.03.26     | N/A              | N/A              |
| Bilog Antenna              | Teseq GmbH   | CBL6112D     | 27611      | 2024.03.20 | 2025.03.19     | N/A              | N/A              |
| Temperature/Humidity Meter | RTS          | RTS-8S       | AC2-TH     | 2024.07.04 | 2025.07.03     | N/A              | N/A              |
| Coaxial Cable              | Huber+Suhner | SUCOFLEX 106 | AC2-C      | 2024.02.29 | 2025.02.28     | N/A              | N/A              |
| Dekra test software        | Dekra        | N/A          | N/A        | N/A        | N/A            | N/A              | 3                |

## Radiated Emission (1GHz-40GHz) / AC5

| Instrument                   | Manufacturer | Model No.          | Serial No.   | Cal. Date  | Next Cal. Date | Firmware Version | Software version |
|------------------------------|--------------|--------------------|--------------|------------|----------------|------------------|------------------|
| EXA Spectrum Analyzer        | Keysight     | N9020B             | MY60112218   | 2023.11.08 | 2024.11.07     | A.31.05          | N/A              |
| Pre-Amplifier                | SKET         | LNPA_0118 G-45     | SK2021090101 | 2024.04.27 | 2025.04.26     | N/A              | N/A              |
| Preamplifier                 | CHENGYI      | EMC184045 SE       | 980263       | 2024.07.06 | 2025.07.05     | N/A              | N/A              |
| DRG Horn                     | ETS-Lindgren | 3117               | 00167055     | 2023.09.16 | 2024.09.15     | N/A              | N/A              |
| DRG Horn                     | ETS-Lindgren | 3117               | 00167055     | 2024.08.29 | 2025.08.28     | N/A              | N/A              |
| Broad-Band Horn Antenna      | Schwarzbeck  | BBHA9170           | 294          | 2024.05.30 | 2025.05.29     | N/A              | N/A              |
| Filter Switch Box            | MVE          | MSW-F196           | C070001S     | 2024.04.20 | 2025.04.19     | N/A              | N/A              |
| Temperature / Humidity Meter | RTS          | RTS-8S             | AC5-TH       | 2024.07.04 | 2025.07.03     | N/A              | N/A              |
| Coaxial Cable                | ROSENBERGER  | LA1-C011-2000/3000 | AC5-40G      | 2024.01.25 | 2025.01.24     | N/A              | N/A              |
| Coaxial Cable                | ROSENBERGER  | LA1-C011-2000/3000 | AC5-40G-2    | 2024.05.26 | 2025.05.25     | N/A              | N/A              |
| Cable                        | Rosenberger  | LA1-C011-1000      | 0523         | 2024.05.26 | 2025.05.25     | N/A              | N/A              |
| Dekra test software          | Dekra        | N/A                | N/A          | N/A        | N/A            | N/A              | 3                |

## UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95%.

| Test item                        | Uncertainty                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| AC Power Line Conducted Emission | $\pm 2.92$ dB                                                                                                                          |
| Peak Power Output                | $\pm 1.13$ dB                                                                                                                          |
| Radiated Emission(30MHz~1GHz)    | Horizontal: 30MHz~200MHz: 4.60 dB<br>200MHz~1GHz: 4.10 dB<br>Vertical: 30MHz~200MHz: 4.80 dB<br>200MHz~1GHz: 4.10 dB                   |
| Radiated Emission(1GHz~25GHz)    | Horizontal: 1GHz~18GHz: 5.00 dB<br>Vertical: 1GHz~18GHz: 4.80 dB<br>Horizontal: 18GHz~25GHz: 4.70 dB<br>Vertical: 18GHz~25GHz: 4.60 Db |
| RF antenna conducted test        | $\pm 1.13$ Db                                                                                                                          |
| Radiated Emission Band Edge      | $\pm 5.00$ Db                                                                                                                          |
| DTS Bandwidth                    | $\pm 279$ Hz                                                                                                                           |
| Occupied Bandwidth               | $\pm 279$ Hz                                                                                                                           |
| Power Density                    | $\pm 1.13$ Db                                                                                                                          |

## 1 GENERAL INFORMATION

### 1.1 General Description of the Item(s)

|                                                                                                                                                                                                                                                      |                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Product Name .....                                                                                                                                                                                                                                   | WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module                              |
| Model No.....                                                                                                                                                                                                                                        | WLE7002E25, WLTE7002E25, WLTB7002E25                                                         |
| Trademark.....                                                                                                                                                                                                                                       | COMPEX                                                                                       |
| FCC ID .....                                                                                                                                                                                                                                         | TK4WLE7002E25                                                                                |
| IC.....                                                                                                                                                                                                                                              | 7849A-WLE7002E25                                                                             |
| Hardware Version .....                                                                                                                                                                                                                               | V1.0                                                                                         |
| Software Version.....                                                                                                                                                                                                                                | V1.0                                                                                         |
| Manufacturer.....                                                                                                                                                                                                                                    | Compex Systems Pte Ltd                                                                       |
| Manufacturer Address.....                                                                                                                                                                                                                            | No 178 Paya Lebar Road #05-05 Singapore 409030                                               |
| Model difference .....                                                                                                                                                                                                                               | Model WLE7002E25, WLTE7002E25 and WLTB7002E25 are identical except for different interfaces. |
| Note: We performed all tests on model WLE7002E25 and verified that the RF output power and RSE test results of models WLTE7002E25 and WLTB7002E25 in the worst mode did not deteriorate, so only the test data of WLE7002E25 is shown in the report. |                                                                                              |

|                                    |                                                                                          |
|------------------------------------|------------------------------------------------------------------------------------------|
| Wireless specification .....       | WIFI                                                                                     |
| Operating frequency range(s).....  | 2412~2462MHz                                                                             |
| Number of channel.....             | 802.11b/g/n/ax/be(20MHz) : 11<br>802.11n/ax/be(40MHz) : 07                               |
| Type of Modulation & Data Rate.... | Refer to Clause 1.3                                                                      |
| Device category .....              | <input type="checkbox"/> Fixed point-to-point                                            |
|                                    | <input type="checkbox"/> Emit multiple directional beams, simultaneously or sequentially |
|                                    | <input checked="" type="checkbox"/> Other cases                                          |

|                          |                                     |                                |
|--------------------------|-------------------------------------|--------------------------------|
| Rated power supply ..... | Voltage and Frequency               |                                |
|                          | <input type="checkbox"/>            | AC: 220 - 240 V, 50/60 Hz      |
|                          | <input type="checkbox"/>            | AC: 100 - 240 V, 50/60 Hz      |
|                          | <input checked="" type="checkbox"/> | DC: 3.3 V                      |
|                          | <input type="checkbox"/>            | Poe:                           |
|                          | <input type="checkbox"/>            | Adapter:                       |
| Mounting position.....   | <input type="checkbox"/>            | Tabletop equipment             |
|                          | <input type="checkbox"/>            | Wall/Ceiling mounted equipment |
|                          | <input type="checkbox"/>            | Floor standing equipment       |
|                          | <input type="checkbox"/>            | Hand-held/Portable equipment   |
|                          | <input checked="" type="checkbox"/> | Other: RF Module               |

## 1.2 Antenna Information

### Antenna Set1:

|                                    |                                     |               |                                     |                       |           |         |
|------------------------------------|-------------------------------------|---------------|-------------------------------------|-----------------------|-----------|---------|
| Antenna model / type number..... : | ANT256Q6A-NM                        |               |                                     |                       |           |         |
| Antenna Delivery .....             | <input checked="" type="checkbox"/> | 1TX + 1RX     |                                     |                       |           |         |
|                                    | <input checked="" type="checkbox"/> | 2TX + 2RX     |                                     |                       |           |         |
|                                    | <input type="checkbox"/>            | Others: ..... |                                     |                       |           |         |
| Antenna technology .....           | <input checked="" type="checkbox"/> | SISO          |                                     |                       |           |         |
|                                    | <input checked="" type="checkbox"/> | MIMO          | <input checked="" type="checkbox"/> | CDD                   |           |         |
|                                    |                                     |               | <input checked="" type="checkbox"/> | Beam-forming          |           |         |
| Antenna Type..... :                | <input checked="" type="checkbox"/> | External      | <input checked="" type="checkbox"/> | Dipole                |           |         |
|                                    |                                     |               | <input type="checkbox"/>            | Sectorized            |           |         |
|                                    | <input type="checkbox"/>            | Internal      | <input type="checkbox"/>            | Ceramic Chip          |           |         |
|                                    |                                     |               | <input type="checkbox"/>            | PIFA                  |           |         |
|                                    |                                     |               | <input type="checkbox"/>            | Others.....           |           |         |
| Antenna Gain .....                 | SISO:                               |               | Antenna 1                           | 4.0 dBi               | Antenna 2 | 4.0 dBi |
|                                    | CDD For Power:                      |               | 4.0 dBi                             | CDD For PSD:          | 7.01 dBi  |         |
|                                    | Beam-forming For Power:             |               | 7.01 dBi                            | Beam-forming For PSD: | 10.02 dBi |         |

### Antenna Set2:

|                                    |                                                                           |               |                                     |                       |           |          |
|------------------------------------|---------------------------------------------------------------------------|---------------|-------------------------------------|-----------------------|-----------|----------|
| Antenna model / type number..... : | RFDPA161504IMLB902<br>RFDPA161517IMLB902                                  |               |                                     |                       |           |          |
| Antenna Delivery .....             | <input checked="" type="checkbox"/>                                       | 1TX + 1RX     |                                     |                       |           |          |
|                                    | <input checked="" type="checkbox"/>                                       | 2TX + 2RX     |                                     |                       |           |          |
|                                    | <input type="checkbox"/>                                                  | Others: ..... |                                     |                       |           |          |
| Antenna technology .....           | <input checked="" type="checkbox"/>                                       | SISO          |                                     |                       |           |          |
|                                    | <input checked="" type="checkbox"/>                                       | MIMO          | <input checked="" type="checkbox"/> | CDD                   |           |          |
|                                    |                                                                           |               | <input checked="" type="checkbox"/> | Beam-forming          |           |          |
| Antenna Type..... :                | <input checked="" type="checkbox"/>                                       | External      | <input checked="" type="checkbox"/> | Dipole                |           |          |
|                                    |                                                                           |               | <input type="checkbox"/>            | Sectorized            |           |          |
|                                    | <input type="checkbox"/>                                                  | Internal      | <input type="checkbox"/>            | Ceramic Chip          |           |          |
|                                    |                                                                           |               | <input type="checkbox"/>            | PIFA                  |           |          |
|                                    |                                                                           |               | <input type="checkbox"/>            | Others.....           |           |          |
| Antenna Gain .....                 | SISO:                                                                     |               | Antenna 1                           | 2.83 dBi              | Antenna 2 | 2.83 dBi |
|                                    | CDD For Power:                                                            |               | 2.83 dBi                            | CDD For PSD:          | 5.84 dBi  |          |
|                                    | Beam-forming For Power:                                                   |               | 5.84 dBi                            | Beam-forming For PSD: | 8.85 dBi  |          |
| Antenna difference..... :          | The antenna bodies are the same, the only difference is the Cable length. |               |                                     |                       |           |          |

**Antenna Set3:**

|                                    |                                     |               |                                     |                       |           |          |
|------------------------------------|-------------------------------------|---------------|-------------------------------------|-----------------------|-----------|----------|
| Antenna model / type number..... : | CKP-32505-006200-100-RS             |               |                                     |                       |           |          |
| Antenna Delivery .....             | <input checked="" type="checkbox"/> | 1TX + 1RX     |                                     |                       |           |          |
|                                    | <input checked="" type="checkbox"/> | 2TX + 2RX     |                                     |                       |           |          |
|                                    | <input type="checkbox"/>            | Others: ..... |                                     |                       |           |          |
| Antenna technology .....           | <input checked="" type="checkbox"/> | SISO          |                                     |                       |           |          |
|                                    | <input checked="" type="checkbox"/> | MIMO          | <input checked="" type="checkbox"/> | CDD                   |           |          |
|                                    |                                     |               | <input checked="" type="checkbox"/> | Beam-forming          |           |          |
| Antenna Type..... :                | <input checked="" type="checkbox"/> | External      | <input checked="" type="checkbox"/> | Dipole                |           |          |
|                                    |                                     |               | <input type="checkbox"/>            | Sectorized            |           |          |
|                                    | <input type="checkbox"/>            | Internal      | <input type="checkbox"/>            | Ceramic Chip          |           |          |
|                                    | <input type="checkbox"/>            |               | PIFA                                |                       |           |          |
|                                    | <input type="checkbox"/>            |               | Others.....                         |                       |           |          |
| Antenna Gain .....                 | SISO:                               |               | Antenna 1                           | 2.22 dBi              | Antenna 2 | 2.22 dBi |
|                                    | CDD For Power:                      |               | 2.22 dBi                            | CDD For PSD:          | 5.23 dBi  |          |
|                                    | Beam-forming For Power:             |               | 5.23 dBi                            | Beam-forming For PSD: | 8.24 dBi  |          |

**Antenna Set4:**

|                                    |                                                                           |               |                                     |                       |           |          |
|------------------------------------|---------------------------------------------------------------------------|---------------|-------------------------------------|-----------------------|-----------|----------|
| Antenna model / type number..... : | ARY121-0277-005-00<br>ARY121-0277-006-00                                  |               |                                     |                       |           |          |
| Antenna Delivery .....             | <input checked="" type="checkbox"/>                                       | 1TX + 1RX     |                                     |                       |           |          |
|                                    | <input checked="" type="checkbox"/>                                       | 2TX + 2RX     |                                     |                       |           |          |
|                                    | <input type="checkbox"/>                                                  | Others: ..... |                                     |                       |           |          |
| Antenna technology .....           | <input checked="" type="checkbox"/>                                       | SISO          |                                     |                       |           |          |
|                                    | <input checked="" type="checkbox"/>                                       | MIMO          | <input checked="" type="checkbox"/> | CDD                   |           |          |
|                                    |                                                                           |               | <input checked="" type="checkbox"/> | Beam-forming          |           |          |
| Antenna Type..... :                | <input checked="" type="checkbox"/>                                       | External      | <input checked="" type="checkbox"/> | Dipole                |           |          |
|                                    |                                                                           |               | <input type="checkbox"/>            | Sectorized            |           |          |
|                                    | <input type="checkbox"/>                                                  | Internal      | <input type="checkbox"/>            | Ceramic Chip          |           |          |
|                                    | <input type="checkbox"/>                                                  |               | PIFA                                |                       |           |          |
|                                    | <input type="checkbox"/>                                                  |               | Others.....                         |                       |           |          |
| Antenna Gain .....                 | SISO:                                                                     |               | Antenna 1                           | 1.27 dBi              | Antenna 2 | 1.27 dBi |
|                                    | CDD For Power:                                                            |               | 1.27 dBi                            | CDD For PSD:          | 4.28 dBi  |          |
|                                    | Beam-forming For Power:                                                   |               | 4.28 dBi                            | Beam-forming For PSD: | 7.29 dBi  |          |
| Antenna difference..... :          | The antenna bodies are the same, the only difference is the Cable length. |               |                                     |                       |           |          |

Note: We evaluated all tests on the ANT256Q6A-NM Antenna with higher antenna gain. For other antennas, we evaluated the RSE of the worst channel. The test results did not deteriorate, so only the test data of the ANT256Q6A-NM Antenna is shown in the report.

### 1.3 Data Rate

#### IEEE 802.11b

| Modulation | Data Rate(Mb/s) |
|------------|-----------------|
| DSSS       | 1               |
| DSSS       | 2               |
| CCK        | 5.5             |
| CCK        | 11              |

#### IEEE 802.11g

| Modulation | R   | Data Rate(Mb/s) |
|------------|-----|-----------------|
| BPSK       | 1/2 | 6               |
| BPSK       | 3/4 | 9               |
| QPSK       | 1/2 | 12              |
| QPSK       | 3/4 | 18              |
| 16-QAM     | 1/2 | 24              |
| 16-QAM     | 3/4 | 36              |
| 64-QAM     | 2/3 | 48              |
| 64-QAM     | 3/4 | 54              |

#### IEEE 802.11n

| Spatial streames | MCS Index | Modulation     | R   | Data Rate(Mb/s) |       |          |       |
|------------------|-----------|----------------|-----|-----------------|-------|----------|-------|
|                  |           |                |     | 800ns GI        |       | 400ns GI |       |
|                  |           |                |     | 20MHz           | 40MHz | 20MHz    | 40MHz |
| 1                | 0         | BPSK           | 1/2 | 6.5             | 13.5  | 7.2      | 15.0  |
| 1                | 1         | QPSK           | 1/2 | 13.0            | 27.0  | 14.4     | 30.0  |
| 1                | 2         | QPSK           | 3/4 | 19.5            | 40.5  | 21.7     | 45.0  |
| 1                | 3         | 16-QAM         | 1/2 | 26.0            | 54.0  | 28.9     | 60.0  |
| 1                | 4         | 16-QAM         | 3/4 | 39.0            | 81.0  | 43.3     | 90.0  |
| 1                | 5         | 64-QAM         | 2/3 | 52.0            | 108.0 | 57.8     | 120.0 |
| 1                | 6         | 64-QAM         | 3/4 | 58.5            | 121.5 | 65.0     | 135.0 |
| 1                | 7         | 64-QAM         | 5/6 | 65.0            | 135.0 | 72.2     | 150.0 |
| 2                | 8         | BPSK           | 1/2 | 13              | 27    | 14.4     | 30    |
| 2                | 9         | QPSK           | 1/2 | 26              | 54    | 28.8     | 60    |
| 2                | 10        | QPSK           | 3/4 | 39              | 81    | 43.4     | 90    |
| 2                | 11        | 16-QAM         | 1/2 | 52              | 108   | 57.8     | 120   |
| 2                | 12        | 16-QAM         | 3/4 | 78              | 162   | 86.6     | 180   |
| 2                | 13        | 64-QAM         | 2/3 | 104             | 216   | 115.6    | 240   |
| 2                | 14        | 64-QAM         | 3/4 | 117             | 243   | 130      | 270   |
| 2                | 15        | 64-QAM         | 5/6 | 130             | 270   | 144.4    | 300   |
| Symbol           |           | Explanation    |     |                 |       |          |       |
| R                |           | Code rate      |     |                 |       |          |       |
| GI               |           | guard interval |     |                 |       |          |       |

## IEEE 802.11ax

| Spatial streames | MCS Index | Modulation     | R   | Data Rate(Mb/s) |       |           |       |           |       |
|------------------|-----------|----------------|-----|-----------------|-------|-----------|-------|-----------|-------|
|                  |           |                |     | 800ns GI        |       | 1600ns GI |       | 3200ns GI |       |
|                  |           |                |     | 20MHz           | 40MHz | 20MHz     | 40MHz | 20MHz     | 40MHz |
| 1                | 0         | BPSK           | 1/2 | 8.6             | 17.2  | 8.1       | 16.3  | 7.3       | 14.6  |
| 1                | 1         | QPSK           | 1/2 | 17.2            | 34.4  | 16.3      | 32.5  | 14.6      | 29.3  |
| 1                | 2         | QPSK           | 3/4 | 25.8            | 51.6  | 24.4      | 48.8  | 21.9      | 43.9  |
| 1                | 3         | 16-QAM         | 1/2 | 34.4            | 68.8  | 32.5      | 65    | 29.3      | 58.5  |
| 1                | 4         | 16-QAM         | 3/4 | 51.6            | 103.2 | 48.8      | 97.5  | 43.9      | 87.8  |
| 1                | 5         | 64-QAM         | 2/3 | 68.8            | 137.6 | 65        | 130   | 58.5      | 117   |
| 1                | 6         | 64-QAM         | 3/4 | 77.4            | 154.9 | 73.1      | 146.3 | 65.8      | 131.6 |
| 1                | 7         | 64-QAM         | 5/6 | 86              | 172.1 | 81.3      | 162.5 | 73.1      | 146.3 |
| 1                | 8         | 256QAM         | 3/4 | 103.2           | 206.5 | 97.5      | 195   | 87.8      | 175.5 |
| 1                | 9         | 256QAM         | 5/6 | 114.7           | 229.4 | 108.3     | 216.7 | 97.5      | 195   |
| 1                | 10        | 1024QAM        | 3/4 | 129             | 258.1 | 121.9     | 243.8 | 109.7     | 219.4 |
| 1                | 11        | 1024QAM        | 5/6 | 143.4           | 286.8 | 135.4     | 270.8 | 121.9     | 243.8 |
| 2                | 0         | BPSK           | 1/2 | 17.2            | 34.4  | 16.2      | 32.6  | 14.6      | 29.2  |
| 2                | 1         | QPSK           | 1/2 | 34.4            | 68.8  | 32.6      | 65    | 29.2      | 58.6  |
| 2                | 2         | QPSK           | 3/4 | 51.6            | 103.2 | 48.8      | 97.6  | 43.8      | 87.8  |
| 2                | 3         | 16-QAM         | 1/2 | 68.8            | 137.6 | 65        | 130   | 58.6      | 117   |
| 2                | 4         | 16-QAM         | 3/4 | 103.2           | 206.4 | 97.6      | 195   | 87.8      | 175.6 |
| 2                | 5         | 64-QAM         | 2/3 | 137.6           | 275.2 | 130       | 260   | 117       | 234   |
| 2                | 6         | 64-QAM         | 3/4 | 154.8           | 309.8 | 146.2     | 292.6 | 131.6     | 263.2 |
| 2                | 7         | 64-QAM         | 5/6 | 172             | 344.2 | 162.6     | 325   | 146.2     | 292.6 |
| 2                | 8         | 256QAM         | 3/4 | 206.4           | 413   | 195       | 390   | 175.6     | 351   |
| 2                | 9         | 256QAM         | 5/6 | 229.4           | 458.8 | 216.6     | 433.4 | 195       | 390   |
| 2                | 10        | 1024QAM        | 3/4 | 258             | 516.2 | 243.8     | 487.6 | 219.4     | 438.8 |
| 2                | 11        | 1024QAM        | 5/6 | 286.8           | 573.6 | 270.8     | 541.6 | 243.8     | 487.6 |
| Symbol           |           | Explanation    |     |                 |       |           |       |           |       |
| R                |           | Code rate      |     |                 |       |           |       |           |       |
| GI               |           | guard interval |     |                 |       |           |       |           |       |

## IEEE 802.11be

| Spatial streames | MCS Index | Modulation     | R   | Data Rate(Mb/s) |       |           |       |           |       |
|------------------|-----------|----------------|-----|-----------------|-------|-----------|-------|-----------|-------|
|                  |           |                |     | 800ns GI        |       | 1600ns GI |       | 3200ns GI |       |
|                  |           |                |     | 20MHz           | 40MHz | 20MHz     | 40MHz | 20MHz     | 40MHz |
| 1                | 0         | BPSK           | 1/2 | 8.6             | 17.2  | 8.1       | 16.3  | 7.3       | 14.6  |
| 1                | 1         | QPSK           | 1/2 | 17.2            | 34.4  | 16.3      | 32.5  | 14.6      | 29.3  |
| 1                | 2         | QPSK           | 3/4 | 25.8            | 51.6  | 24.4      | 48.8  | 21.9      | 43.9  |
| 1                | 3         | 16-QAM         | 1/2 | 34.4            | 68.8  | 32.5      | 65    | 29.3      | 58.5  |
| 1                | 4         | 16-QAM         | 3/4 | 51.6            | 103.2 | 48.8      | 97.5  | 43.9      | 87.8  |
| 1                | 5         | 64-QAM         | 2/3 | 68.8            | 137.6 | 65        | 130   | 58.5      | 117   |
| 1                | 6         | 64-QAM         | 3/4 | 77.4            | 154.9 | 73.1      | 146.3 | 65.8      | 131.6 |
| 1                | 7         | 64-QAM         | 5/6 | 86              | 172.1 | 81.3      | 162.5 | 73.1      | 146.3 |
| 1                | 8         | 256QAM         | 3/4 | 103.2           | 206.5 | 97.5      | 195   | 87.8      | 175.5 |
| 1                | 9         | 256QAM         | 5/6 | 114.7           | 229.4 | 108.3     | 216.7 | 97.5      | 195   |
| 1                | 10        | 1024QAM        | 3/4 | 129             | 258.1 | 121.9     | 243.8 | 109.7     | 219.4 |
| 1                | 11        | 1024QAM        | 5/6 | 143.4           | 286.8 | 135.4     | 270.8 | 121.9     | 243.8 |
| 1                | 12        | 4096QAM        | 3/4 | 155             | 310   | 146       | 293   | 131       | 263   |
| 1                | 13        | 4096QAM        | 5/6 | 172             | 344   | 163       | 325   | 146       | 293   |
| 2                | 0         | BPSK           | 1/2 | 17.2            | 34.4  | 16.2      | 32.6  | 14.6      | 29.2  |
| 2                | 1         | QPSK           | 1/2 | 34.4            | 68.8  | 32.6      | 65    | 29.2      | 58.6  |
| 2                | 2         | QPSK           | 3/4 | 51.6            | 103.2 | 48.8      | 97.6  | 43.8      | 87.8  |
| 2                | 3         | 16-QAM         | 1/2 | 68.8            | 137.6 | 65        | 130   | 58.6      | 117   |
| 2                | 4         | 16-QAM         | 3/4 | 103.2           | 206.4 | 97.6      | 195   | 87.8      | 175.6 |
| 2                | 5         | 64-QAM         | 2/3 | 137.6           | 275.2 | 130       | 260   | 117       | 234   |
| 2                | 6         | 64-QAM         | 3/4 | 154.8           | 309.8 | 146.2     | 292.6 | 131.6     | 263.2 |
| 2                | 7         | 64-QAM         | 5/6 | 172             | 344.2 | 162.6     | 325   | 146.2     | 292.6 |
| 2                | 8         | 256QAM         | 3/4 | 206.4           | 413   | 195       | 390   | 175.6     | 351   |
| 2                | 9         | 256QAM         | 5/6 | 229.4           | 458.8 | 216.6     | 433.4 | 195       | 390   |
| 2                | 10        | 1024QAM        | 3/4 | 258             | 516.2 | 243.8     | 487.6 | 219.4     | 438.8 |
| 2                | 11        | 1024QAM        | 5/6 | 286.8           | 573.6 | 270.8     | 541.6 | 243.8     | 487.6 |
| 2                | 12        | 4096QAM        | 3/4 | 310             | 620   | 292       | 586   | 262       | 526   |
| 2                | 13        | 4096QAM        | 5/6 | 344             | 688   | 326       | 650   | 292       | 586   |
| Symbol           |           | Explanation    |     |                 |       |           |       |           |       |
| R                |           | Code rate      |     |                 |       |           |       |           |       |
| GI               |           | guard interval |     |                 |       |           |       |           |       |

Note: We have evaluated low/mid/high data rate, the blue font is the highest power data rate.

## 1.4 Channel List

### IEEE 802.11b/g & IEEE 802.11n /ax /be (20MHz)

| Working Frequency of Each Channel |           |         |           |         |           |         |           |
|-----------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel                           | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 1                                 | 2412 MHz  | 2       | 2417 MHz  | 3       | 2422 MHz  | 4       | 2427 MHz  |
| 5                                 | 2432 MHz  | 6       | 2437 MHz  | 7       | 2442 MHz  | 8       | 2447 MHz  |
| 9                                 | 2452 MHz  | 10      | 2457 MHz  | 11      | 2462 MHz  | -       | -         |

### IEEE 802.11n /ax / be (40MHz)

| Working Frequency of Each Channel |           |         |           |         |           |         |           |
|-----------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel                           | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 3                                 | 2422 MHz  | 4       | 2427 MHz  | 5       | 2432 MHz  | 6       | 2437 MHz  |
| 7                                 | 2442 MHz  | 8       | 2447 MHz  | 9       | 2452 MHz  | -       | -         |

Note: The General Description of the Item, antenna information, Test Data Rate and Channel List in clause 1 are provided and confirmed by the client.

## 2 DESCRIPTION OF TEST SETUP

### 2.1 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

|           |                                     |
|-----------|-------------------------------------|
| Test Mode | Mode 1: Transmit by 802.11b         |
|           | Mode 2: Transmit by 802.11g         |
|           | Mode 3: Transmit by 802.11n(20MHz)  |
|           | Mode 4: Transmit by 802.11n(40MHz)  |
|           | Mode 5: Transmit by 802.11ax(20MHz) |
|           | Mode 6: Transmit by 802.11ax(40MHz) |
|           | Mode 7: Transmit by 802.11be(20MHz) |
|           | Mode 8: Transmit by 802.11be(40MHz) |

Note 1: Regards to the frequency band operation: the lowest, middle and highest frequency channel were selected to perform the test, then shown on this report.

Note 2: For portable device, radiated tests was verified over X, Y, Z axis, and shown the worst case on this report.

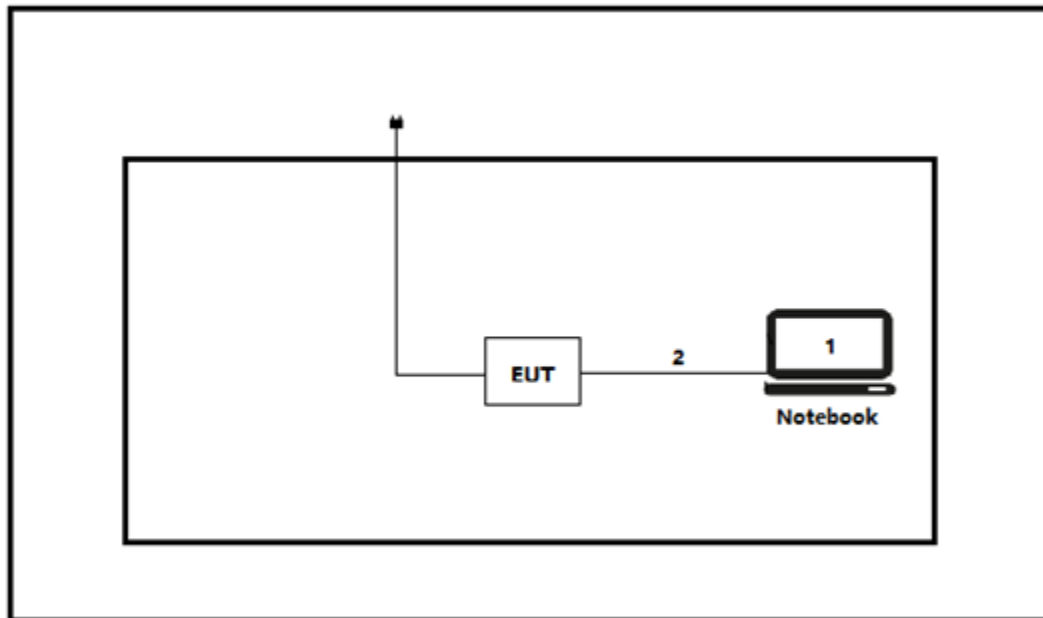
## 2.2 Auxiliary equipment / Test software for the EUT

| Auxiliary equipment   | Type / Version | Manufacturer | Supplied by |
|-----------------------|----------------|--------------|-------------|
| (1) Notebook          | Think pad x220 | Lenovo       | Adapter     |
| (2) USB Control Cable | N/A            | N/A          | N/A         |
| (3) USB Control Cable | N/A            | N/A          | N/          |
| software              | Type / Version | Manufacturer | Supplied by |
| Putty                 | N/A            | N/A          | N/A         |

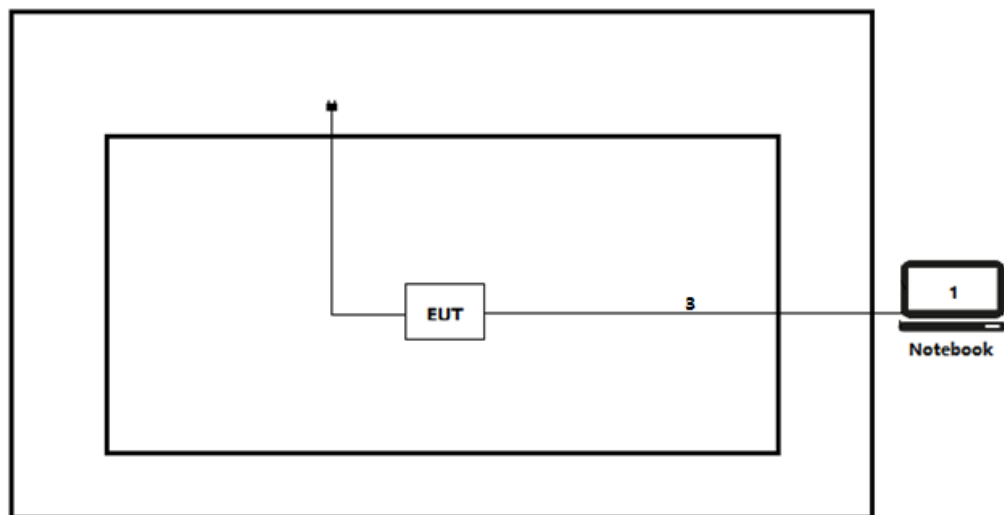
| Accessories Information | Cable                          |                                     |                                     |
|-------------------------|--------------------------------|-------------------------------------|-------------------------------------|
|                         | Length used during test<br>[m] | Attached during<br>test             | Shielded                            |
| (2)USB Control Cable    | 1                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| (3)USB Control Cable    | 8                              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

## 2.3 Test Configuration / Block diagram used for tests

Test setup Diagram- Conducted test



Test setup Diagram- Radiated Emission



## 2.4 Testing process

|   |                                                                                                                               |
|---|-------------------------------------------------------------------------------------------------------------------------------|
| 1 | Setup the EUT as shown in Section 2.4.                                                                                        |
| 2 | Run the software “Putty” on the notebook computer.                                                                            |
| 3 | Open the serial port and enter the corresponding commands to configure the test mode, test channel, test power and data rate. |
| 4 | Verify that the EUT works properly.                                                                                           |

### 3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

#### 3.1 Standards

| Standard                                          | Year | Description                                                                                                                  |
|---------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------|
| FCC CFR Title 47 Part 15 Subpart C Section 15.247 | 2024 | Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz.                                                  |
| ANSI C63.10                                       | 2013 | American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices                               |
| KDB 558074 D01V05r02                              | 2019 | Guidance for performing compliance measurements on Digital Transmission System (DTS) operating under section 15.247          |
| RSS-Gen Issue 5 Amendment 2                       | 2021 | General Requirements for Compliance of Radio Apparatus                                                                       |
| KDB 662911                                        | 2020 | Provision to Allow Measurement of Directional Gain of Multi-Antenna Systems for Compliance Verification                      |
| RSS-247 Issue 3                                   | 2023 | Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSS) and Licence-Exempt Local Area Network (LE-LAN) Devices |

#### 3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

*(Please define the deviations from the standard(s) if applicable)*

### 3.3 Overview of results

| Requirement – Test Item of FCC   | Standard(s)                               | Verdict | Remark                                      |
|----------------------------------|-------------------------------------------|---------|---------------------------------------------|
| 20dB Emission Bandwidth          | FCC 15.247(a)(2)                          | PASS    | Test data please refer to <b>Appendix A</b> |
| Maximum conducted output power   | 15.247 (b)(3)                             | PASS    | Test data please refer to <b>Appendix C</b> |
| Maximum power spectral density   | FCC 15.247(e)                             | PASS    | Test data please refer to <b>Appendix D</b> |
| Band edge measurements           | FCC 15.247(d)<br>FCC 15.205<br>FCC 15.209 | PASS    | Test data please refer to <b>Appendix E</b> |
| Conducted Spurious Emission      | FCC 15.247(d), FCC 15.209                 | PASS    | Test data please refer to <b>Appendix F</b> |
| Duty cycle                       | ANSI C63.10:2013                          | PASS    | Test data please refer to <b>Appendix G</b> |
| Emissions in Restricted Bands    | FCC 15.205<br>FCC 15.209                  | PASS    | Test data please refer to <b>Appendix H</b> |
| AC Power Line Conducted Emission | FCC 15.207                                | N/A     | The EUT is DC powered, not applicable.      |
| Antenna Requirement              | FCC 15.203                                | PASS    | ---                                         |

| Requirement – Test case of ISED  | Standard(s)                                                          | Verdict | Remark                                         |
|----------------------------------|----------------------------------------------------------------------|---------|------------------------------------------------|
| DTS Bandwidth                    | RSS-Gen Issue 5<br>Paragraph 6.7<br>RSS-247 Issue 3<br>Paragraph 5.2 | PASS    | Test data please refer to<br><b>Appendix A</b> |
| Occupied Channel Bandwidth       | RSS-Gen Issue 5<br>Paragraph 6.7<br>RSS-247 Issue 3<br>Paragraph 5.2 | PASS    | Test data please refer to<br><b>Appendix B</b> |
| Maximum conducted output power   | RSS-247 Issue 3<br>Paragraph 5.4(d)                                  | PASS    | Test data please refer to<br><b>Appendix C</b> |
| Maximum power spectral density   | RSS-247 Issue 3<br>Paragraph 5.2(b)                                  | PASS    | Test data please refer to<br><b>Appendix D</b> |
| Band edge measurements           | RSS-Gen Issue 5<br>Paragraph 8.10                                    | PASS    | Test data please refer to<br><b>Appendix E</b> |
| Conducted Spurious Emission      | RSS-247 Issue 3<br>Paragraph 5.5                                     | PASS    | Test data please refer to<br><b>Appendix F</b> |
| Duty cycle                       | ANSI C63.10:2013                                                     | PASS    | Test data please refer to<br><b>Appendix G</b> |
| Emissions in Restricted Bands    | RSS-Gen Issue 5<br>Paragraph 8.9                                     | PASS    | Test data please refer to<br><b>Appendix H</b> |
| AC Power Line Conducted Emission | RSS-Gen Issue 5<br>Paragraph 8.8                                     | N/A     | The EUT is DC powered, not applicable.         |
| Antenna Requirement              | RSS-Gen Issue 5<br>Paragraph 6.8                                     | PASS    | ---                                            |

### 3.4 Test Matrix

| Test item                                                                                                                                                                                                                                                                           | Model: WLE7002E25                   |                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
|                                                                                                                                                                                                                                                                                     | 1(#1)                               | 2(#2)                               |
| DTS Bandwidth                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Occupied Channel Bandwidth                                                                                                                                                                                                                                                          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Maximum conducted output power                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Maximum power spectral density                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Band edge measurements                                                                                                                                                                                                                                                              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Conducted Spurious Emission                                                                                                                                                                                                                                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Duty cycle                                                                                                                                                                                                                                                                          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Emissions in Restricted Bands                                                                                                                                                                                                                                                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| Note1: The only difference between sample #1 and sample #2 is whether to keep the original antenna, sample #1 is a conduction test product that removes the original antenna and is equipped with SMA wires, and sample #2 is a complete product that retains the original antenna. |                                     |                                     |

### 3.5 Test Facility

|     |   |                                |
|-----|---|--------------------------------|
| USA | : | FCC Designation Number: CN1199 |
| CA  | : | ISED CAB identifier: CN0040    |

## 4 TEST RESULTS

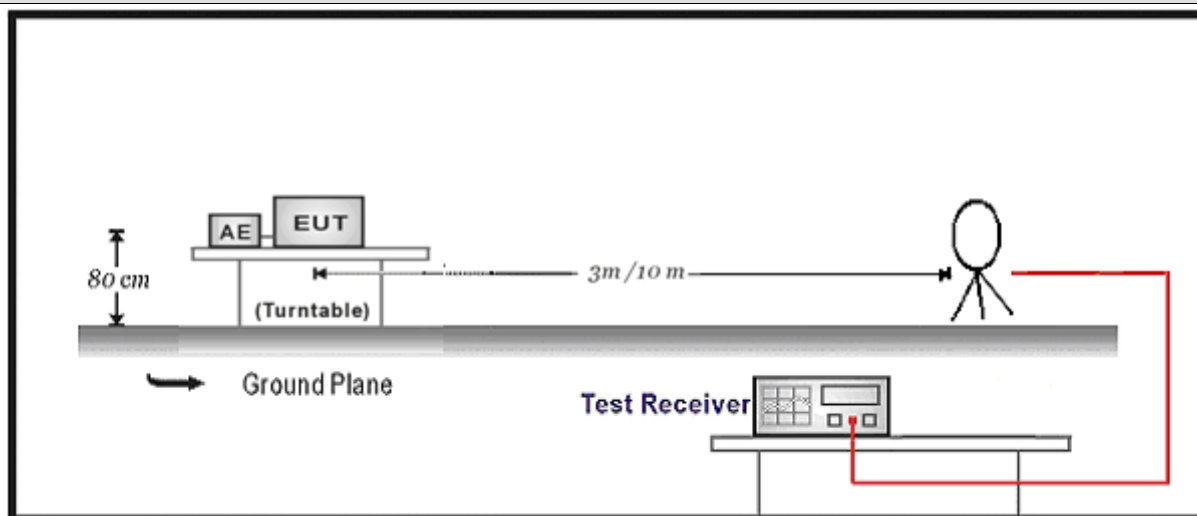
|                                                    |                      |
|----------------------------------------------------|----------------------|
| <b>4.1 Emissions in restricted frequency bands</b> | <b>VERDICT: PASS</b> |
|----------------------------------------------------|----------------------|

| 4.1.1 Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                                                |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------|--------------------------|
| Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       | FCC Part 15 Subpart C Paragraph 15.205; 15.209 |                          |
| Restricted Bands of operation for FCC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                                                |                          |
| Frequency (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Frequency (MHz)       | Frequency (MHz)                                | Frequency (GHz)          |
| 0.090 – 0.110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 16.42 – 16.423        | 399.9 – 410                                    | 4.5 – 5.15               |
| 0.495 – 0.505                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 16.69475 –16.69525    | 608 – 614                                      | 5.35 – 5.46              |
| 2.1735 – 2.1905                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 16.80425 – 16.80475   | 960 – 1240                                     | 7.25 – 7.75              |
| 4.125 – 4.128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 25.5 – 25.67          | 1300 – 1427                                    | 8.025 – 8.5              |
| 4.17725 – 4.17775                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 37.5 – 38.25          | 1435 – 1626.5                                  | 9.0 – 9.2                |
| 4.20725 – 4.20775                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 73 – 74.6             | 1645.5 – 1646.5                                | 9.3 – 9.5                |
| 6.215 – 6.218                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 74.8 – 75.2           | 1660 – 1710                                    | 10.6 – 12.7              |
| 6.26775 – 6.26825                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 108 – 121.94          | 1718.8 – 1722.2                                | 13.25 – 13.4             |
| 6.31175 – 6.31225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 123 – 138             | 2200 – 2300                                    | 14.47 – 14.5             |
| 8.291 – 8.294                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 149.9 – 150.05        | 2310 – 2390                                    | 15.35 – 16.2             |
| 8.362 – 8.366                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 156.52475 – 156.52525 | 2483.5 – 2500                                  | 17.7 – 21.4              |
| 8.37625 – 8.38675                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 156.7 – 156.9         | 2690 – 2900                                    | 22.01 – 23.12            |
| 8.81425 – 8.81475                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 162.0125 – 167.17     | 3260 – 3267                                    | 23.6 – 24.0              |
| 12.29 – 12.293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 167.72 – 173.2        | 3332 – 3339                                    | 31.2 – 31.8              |
| 12.51975–12.52025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 240 – 285             | 3345.8 – 3358                                  | 36.43 – 36.5             |
| 12.57675–12.57725                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 322 – 335.4           | 3600 – 4400                                    | Above 38.6               |
| 13.36 – 13.41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | --                    | --                                             | --                       |
| Restricted Band Emissions Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |                                                |                          |
| Frequency (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Field strength (µV/m) | Field strength (dBµV/m)                        | Measurement distance (m) |
| 0.009 - 0.49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2400/F(kHz)           | 48.5 – 13.8                                    | 300 <sup>(Note 1)</sup>  |
| 0.49 - 1.705                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 24000/F(kHz)          | 33.8 - 23                                      | 30 <sup>(Note 1)</sup>   |
| 1.705 - 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 30                    | 29.5                                           | 30 <sup>(Note 1)</sup>   |
| 30 - 88                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 100                   | 40                                             | 3 <sup>(Note 2)</sup>    |
| 88 - 216                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 150                   | 43.5                                           | 3 <sup>(Note 2)</sup>    |
| 216 - 960                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 200                   | 46                                             | 3 <sup>(Note 2)</sup>    |
| Above 960                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 500                   | 54                                             | 3 <sup>(Note 2)</sup>    |
| Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). |                       |                                                |                          |
| Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |                                                |                          |

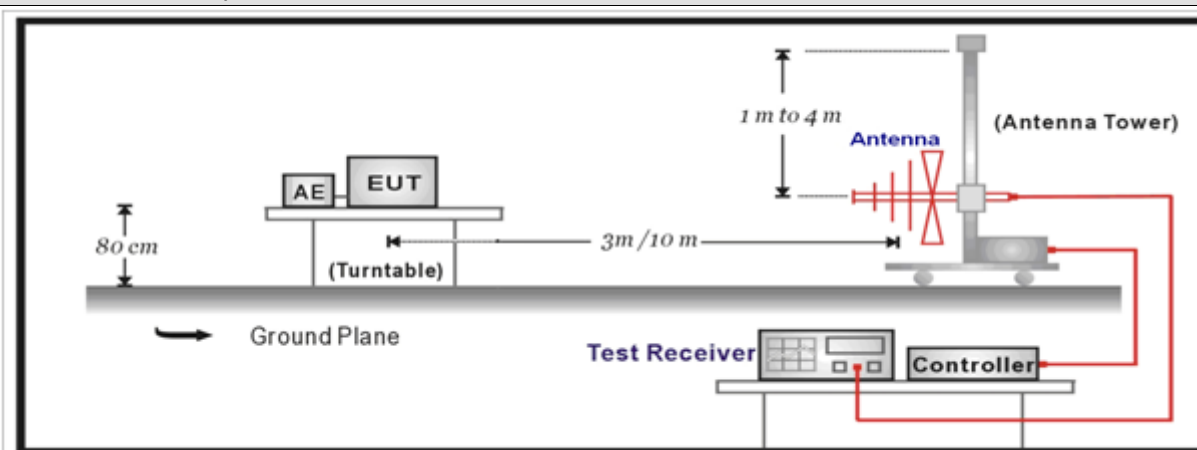
measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

#### 4.1.2 Test Setup

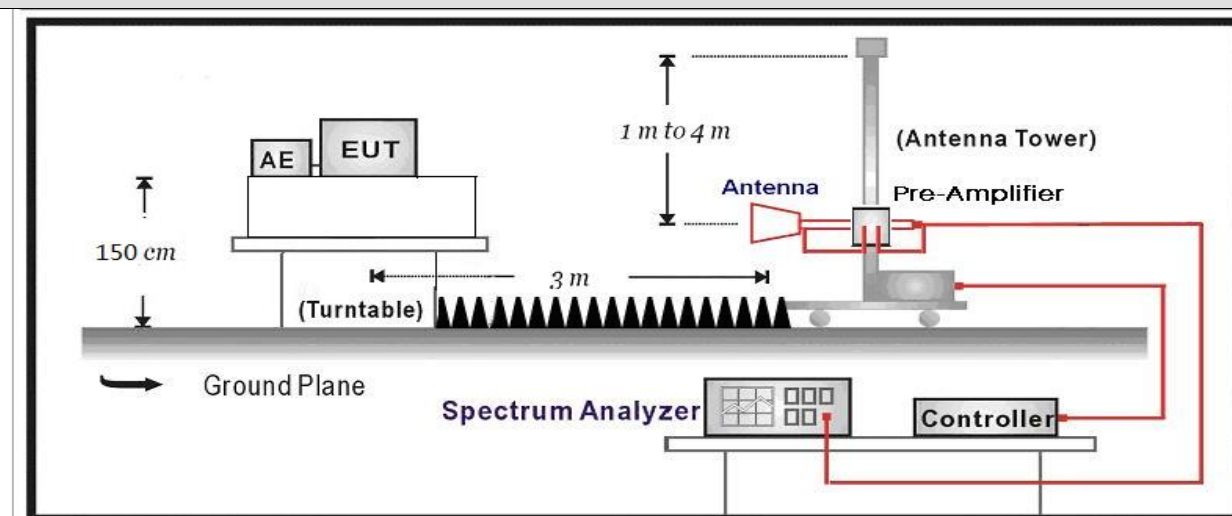
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



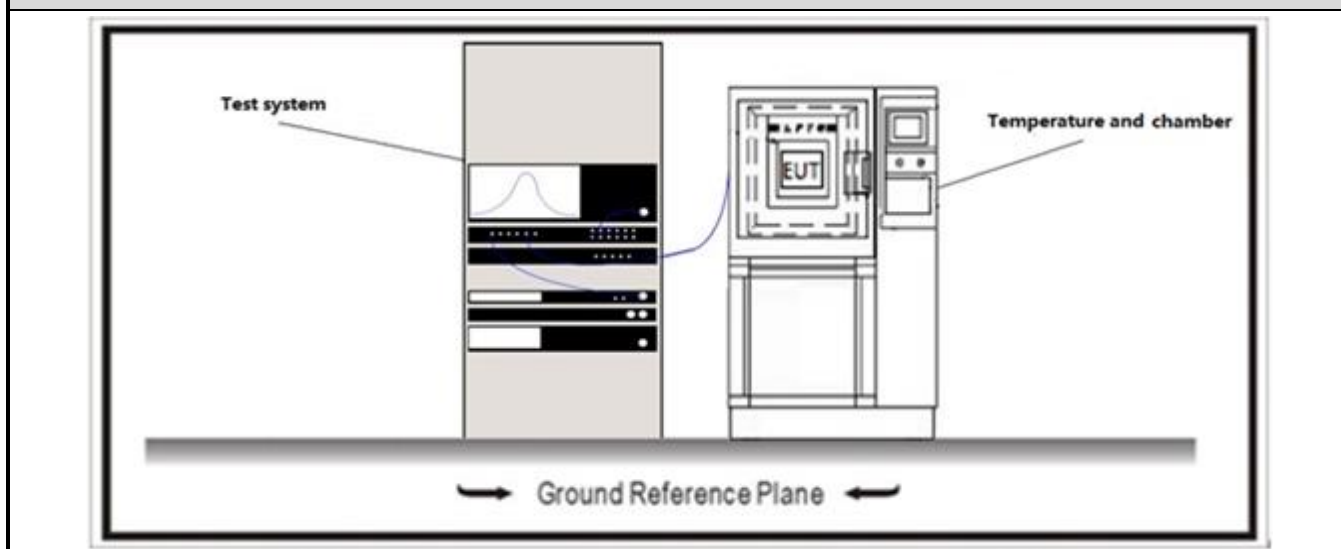
| 4.1.3 Test Procedure                |                                     |             |             |                                                                                                    |
|-------------------------------------|-------------------------------------|-------------|-------------|----------------------------------------------------------------------------------------------------|
|                                     | References Rule                     |             | Chapter     | Description                                                                                        |
| <input checked="" type="checkbox"/> | ANSI C63.10                         |             | 11.12       | Emissions in restricted frequency bands                                                            |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 11.12.1     | Radiated emission measurements                                                                     |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 6.3         | Radiated spurious emission test                                                                    |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 6.4         | Radiated emissions from unlicensed wireless devices below 30 MHz                                   |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 6.5         | Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz   |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 6.6         | Radiated emissions from unlicensed wireless devices above 1 GHz                                    |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.12.2     | Antenna-port conducted measurements                                                                |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.12.2.3   | Quasi-peak measurement procedure                                                                   |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.12.2.4   | Peak power measurement procedure                                                                   |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.12.2.5   | Average power measurement procedures                                                               |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.12.2.5.1 | Trace averaging with continuous EUT transmission at full power                                     |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.12.2.5.2 | Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.12.2.5.3 | Reduced VBW averaging across ON and OFF times of the EUT transmissions with max hold               |

**4.2 Emissions in non-restricted frequency band****VERDICT: PASS****4.2.1 Limit**

| Standard                            | FCC Part 15 Subpart C Paragraph 15.247(d) |
|-------------------------------------|-------------------------------------------|
| RF Output power (Detection methods) | Limit(dB)                                 |
| RF Output power(Average detector)   | 30dBc(Note1)                              |
| RF Output power(PK detector)        | 20dBc(Note2)                              |

Note 1: If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).

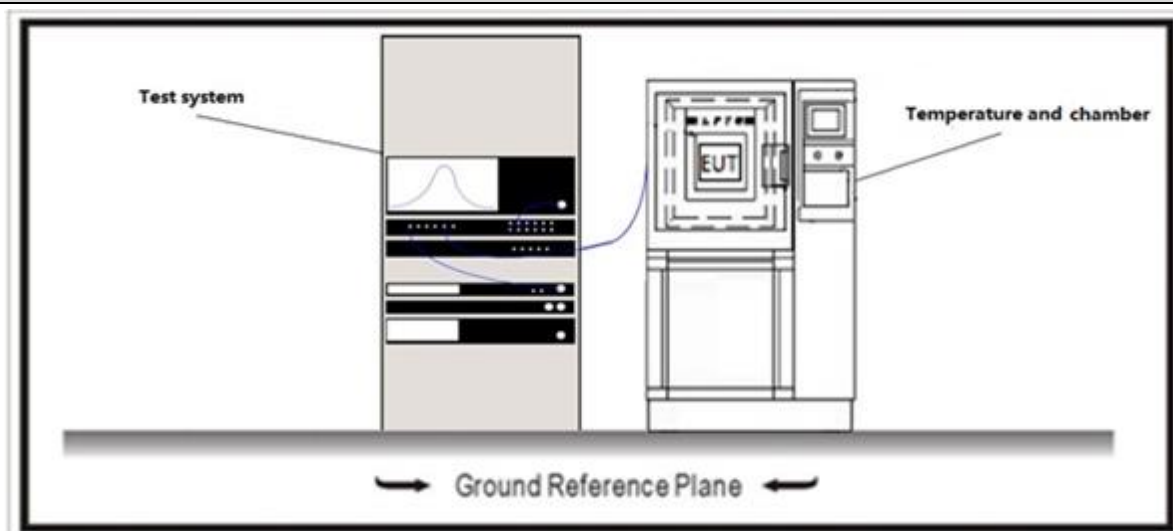
Note 2: If the maximum peak conducted output power procedure was used, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).

**4.2.2 Test Setup****4.2.3 Test Procedure**

| References Rule                                 | Chapter | Description                                 |
|-------------------------------------------------|---------|---------------------------------------------|
| <input checked="" type="checkbox"/> ANSI C63.10 | 11.11   | Emissions in non-restricted frequency bands |
| <input checked="" type="checkbox"/> ANSI C63.10 | 11.11.1 | General                                     |
| <input checked="" type="checkbox"/> ANSI C63.10 | 11.11.2 | Reference level measurement                 |
| <input checked="" type="checkbox"/> ANSI C63.10 | 11.11.3 | Emission level measurement                  |

**4.3 Duty cycle****VERDICT: PASS****4.3.1 Limit**

N/A

**4.3.2 Test Setup****4.3.3 Test Procedure**

| References Rule                     |             | Chapter | Description                                                                |
|-------------------------------------|-------------|---------|----------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | ANSI C63.10 | 11.6    | Duty cycle (D), transmission duration (T), and maximum power control level |

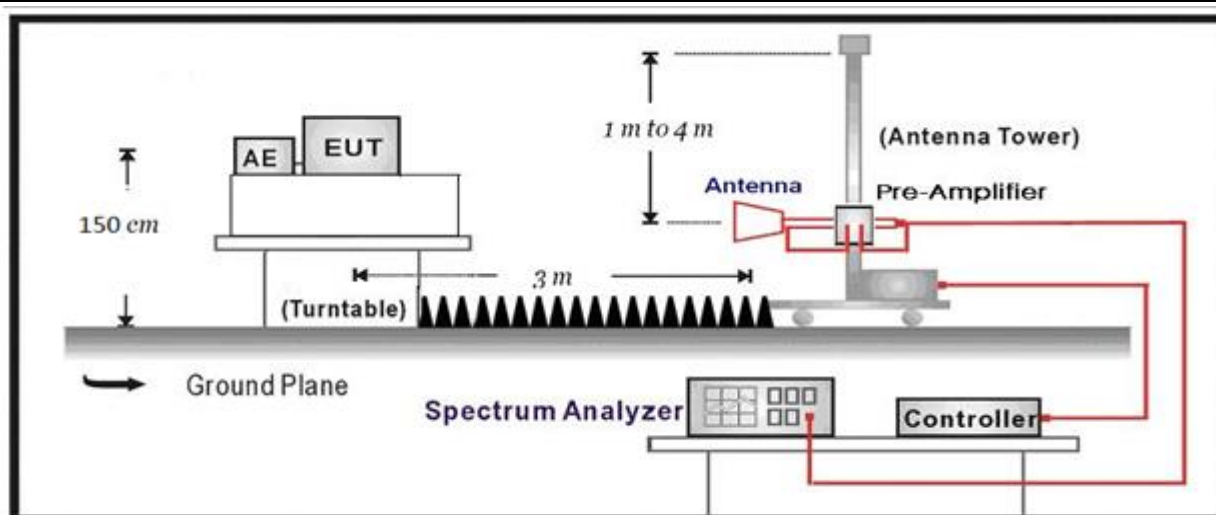
**4.4 Radiated Emission Band Edge****VERDICT: PASS****4.4.1 Limit**

| Standard                 |          | FCC Part 15 Subpart C Paragraph 15.247(d) , 15.205, 15.209 |           |              |
|--------------------------|----------|------------------------------------------------------------|-----------|--------------|
| Frequency bands (MHz)    | Detector | Limit (dB $\mu$ V/m)                                       | RBW (MHz) | Distance (m) |
| 2310-2390<br>2483.5-2500 | PK       | 74                                                         | 1         | 3            |
|                          | AV       | 54                                                         | 1         | 3            |

Note: The field strength of emissions appearing within these frequency bands shall not exceed the limits.

**4.4.2 Test Setup**

Above 1GHz Test Setup:



| 4.4.3 Test Procedure                |                                                 |         |                                                                                                  |
|-------------------------------------|-------------------------------------------------|---------|--------------------------------------------------------------------------------------------------|
|                                     | References Rule                                 | Chapter | Description                                                                                      |
| <input checked="" type="checkbox"/> | ANSI C63.10                                     | 6.10    | Band-edge testing                                                                                |
|                                     | <input checked="" type="checkbox"/> ANSI C63.10 | 6.10.5  | Restricted-band band-edge measurements                                                           |
|                                     | <input type="checkbox"/> ANSI C63.10            | 6.10.6  | Marker-delta method                                                                              |
| <input checked="" type="checkbox"/> | ANSI C63.10                                     | 11.12   | Emissions in restricted frequency bands                                                          |
|                                     | <input checked="" type="checkbox"/> ANSI C63.10 | 11.12.1 | Radiated emission measurements                                                                   |
|                                     | <input checked="" type="checkbox"/> ANSI C63.10 | 6.3     | Radiated spurious emission test                                                                  |
| <input type="checkbox"/>            | ANSI C63.10                                     | 6.4     | Radiated emissions from unlicensed wireless devices below 30 MHz                                 |
| <input type="checkbox"/>            | ANSI C63.10                                     | 6.5     | Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz |
| <input checked="" type="checkbox"/> | ANSI C63.10                                     | 6.6     | Radiated emissions from unlicensed wireless devices above 1 GHz                                  |

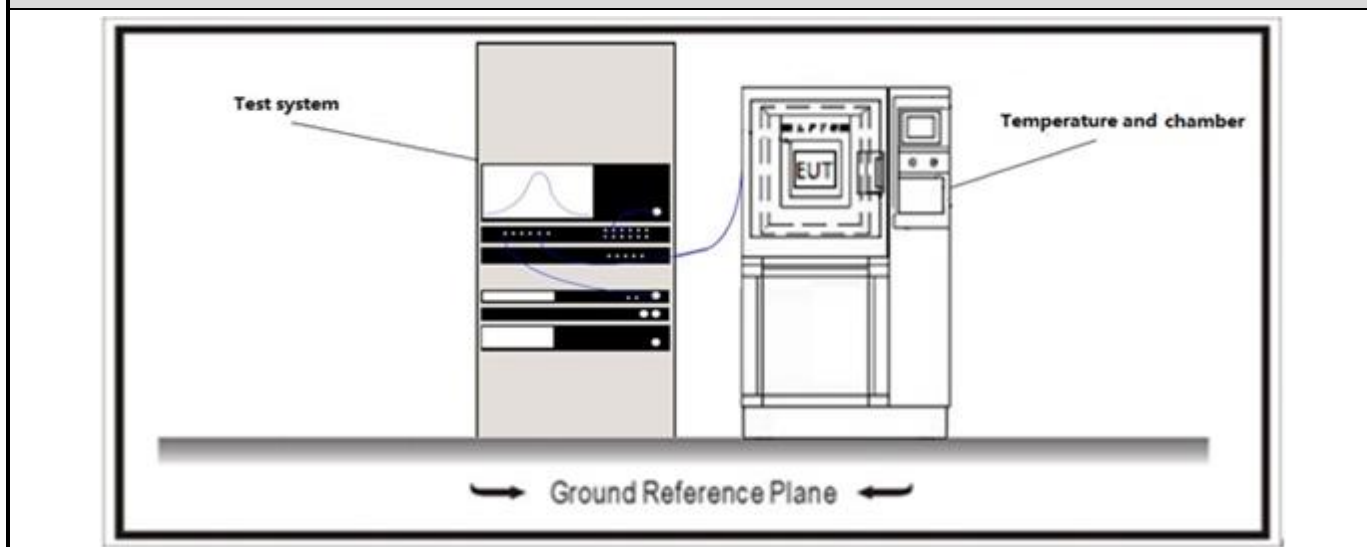
**4.5 DTS Bandwidth****VERDICT: PASS****4.5.1 Limit**

|                 |                                               |
|-----------------|-----------------------------------------------|
| <b>Standard</b> | FCC Part 15 Subpart C Paragraph 15.247 (a)(2) |
|-----------------|-----------------------------------------------|

Systems using digital modulation techniques operate in the 2400-2483.5 MHz. The minimum 6 dB bandwidth shall be at least 500 kHz

|                 |                           |
|-----------------|---------------------------|
| <b>Standard</b> | ANSI C63.10 Paragraph 6.7 |
|-----------------|---------------------------|

The occupied bandwidth or the "99% emission bandwidth" is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs. The occupied bandwidth should be within the required frequency range.

**4.5.2 Test Setup****4.5.3 Test Procedure**

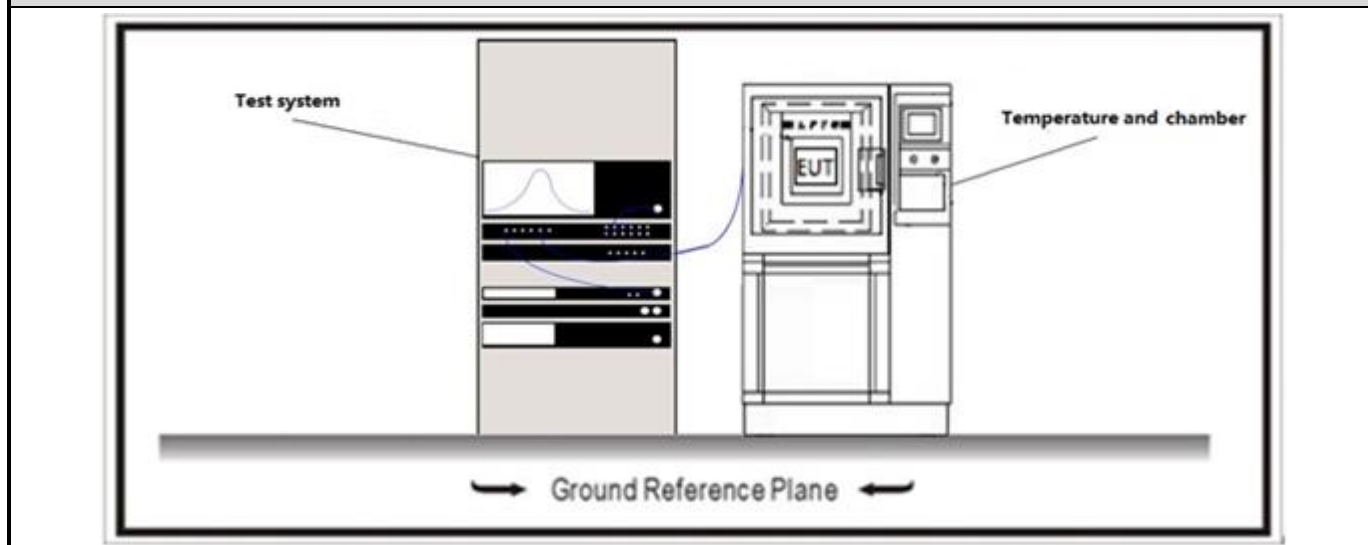
|                                     | Reference Rule                                  | Chapter | Description                                 |
|-------------------------------------|-------------------------------------------------|---------|---------------------------------------------|
| <input checked="" type="checkbox"/> | ANSI C63.10                                     | 11.8    | DTS bandwidth                               |
|                                     | <input checked="" type="checkbox"/> ANSI C63.10 | 11.8.1  | Option 1                                    |
|                                     | <input type="checkbox"/> ANSI C63.10            | 11.8.2  | Option 2                                    |
| <input checked="" type="checkbox"/> | ANSI C63.10                                     | 6.9     | Occupied bandwidth                          |
|                                     | <input type="checkbox"/> ANSI C63.10            | 6.9.2   | relative measurement procedure              |
|                                     | <input checked="" type="checkbox"/> ANSI C63.10 | 6.9.3   | power bandwidth (99%) measurement procedure |

**4.6 Fundamental emission output power****VERDICT: PASS****4.6.1 Limit**

| Standard                            |                                                         | FCC Part 15 Subpart C Paragraph 15.247 (b)(3) |
|-------------------------------------|---------------------------------------------------------|-----------------------------------------------|
| <input checked="" type="checkbox"/> | GTX <6dBi                                               | Pout≤30dBm                                    |
| <input type="checkbox"/>            | GTX >6dBi                                               |                                               |
| <input type="checkbox"/>            | Non-Fix point-point                                     | Pout≤30-( GTX -6)                             |
| <input type="checkbox"/>            | Fix point-point                                         | Pout≤30-[(GTX-6)]/3                           |
| <input type="checkbox"/>            | Point-to-multipoint                                     | Pout≤30-(GTX-6)                               |
| <input type="checkbox"/>            | Overlap Beams                                           | Pout≤30-[(GTX-6)]/3                           |
| <input type="checkbox"/>            | Avgregate power transmitted simultaneously on all beams | Pout≤30-[(GTX-6)]/3                           |
| <input type="checkbox"/>            | single directional beam                                 | Pout≤30-[(GTX-6)]/3+8dB                       |

Note 1 : GTX directional gain of transmitting antennas.

Note 2 : Pout is maximum conducted output power .

**4.6.2 Test Setup**

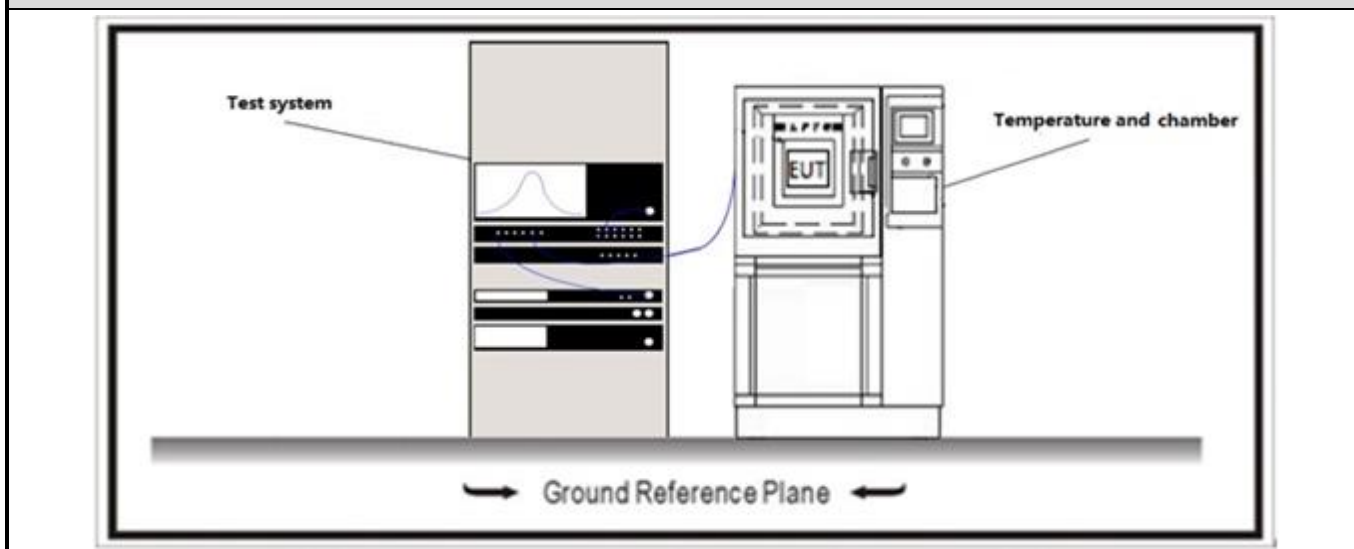
| 4.6.3 Test Procedure                |                                     |                                     |                                     |             |                                   |                                          |                                            |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------|-----------------------------------|------------------------------------------|--------------------------------------------|
|                                     | References Rule                     |                                     |                                     | Chapter     | Description                       |                                          |                                            |
| <input checked="" type="checkbox"/> | ANSI C63.10                         |                                     |                                     | 11.9        | Fundamental emission output power |                                          |                                            |
|                                     | <input type="checkbox"/>            | ANSI C63.10                         |                                     |             | 11.9.1                            | Maximum peak conducted output power      |                                            |
|                                     |                                     | <input type="checkbox"/>            | ANSI C63.10                         |             | 11.9.1.1                          | RBW ≥ DTS bandwidth                      |                                            |
|                                     |                                     | <input type="checkbox"/>            | ANSI C63.10                         |             | 11.9.1.2                          | Integrated band power method             |                                            |
|                                     |                                     | <input type="checkbox"/>            | ANSI C63.10                         |             | 11.9.1.3                          | PKPM1 Peak power meter method            |                                            |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10                         |                                     |             | 11.9.2                            | Maximum conducted (average) output power |                                            |
|                                     |                                     | <input type="checkbox"/>            | ANSI C63.10                         |             |                                   | 11.9.2.2                                 | Measurement using a spectrum analyzer (SA) |
|                                     |                                     |                                     | <input type="checkbox"/>            | ANSI C63.10 |                                   | 11.9.2.2.2                               | Method AVGSA-1(Duty cycle≥98%)             |
|                                     |                                     |                                     | <input type="checkbox"/>            | ANSI C63.10 |                                   | 11.9.2.2.3                               | Method AVGSA-1A(Duty cycle≥98%)            |
|                                     |                                     |                                     | <input type="checkbox"/>            | ANSI C63.10 |                                   | 11.9.2.2.4                               | Method AVGSA-2(Duty cycle≤98%)             |
|                                     |                                     |                                     | <input type="checkbox"/>            | ANSI C63.10 |                                   | 11.9.2.2.5                               | Method AVGSA-2A(Duty cycle≤98%)            |
|                                     |                                     |                                     | <input type="checkbox"/>            | ANSI C63.10 |                                   | 11.9.2.2.4                               | Method AVGSA-3                             |
|                                     |                                     |                                     | <input type="checkbox"/>            | ANSI C63.10 |                                   | 11.9.2.2.5                               | Method AVGSA-3A                            |
|                                     |                                     | <input checked="" type="checkbox"/> | ANSI C63.10                         |             |                                   | 11.9.2.3                                 | Measurement using a power meter (PM)       |
|                                     |                                     |                                     | <input checked="" type="checkbox"/> | ANSI C63.10 |                                   | 11.9.2.3.1                               | Method AVGPM                               |
|                                     |                                     |                                     | <input type="checkbox"/>            | ANSI C63.10 |                                   | 11.9.2.3.2                               | Method AVGPM-G                             |

**Directional Gain Calculations for In-Band test method**

|                                     | References Rule                     |             | Chapter     | Description                                                       |
|-------------------------------------|-------------------------------------|-------------|-------------|-------------------------------------------------------------------|
| <input type="checkbox"/>            | KDB 662911                          |             | F2)a)       | Basic methodology                                                 |
|                                     | <input type="checkbox"/>            | KDB 662911  | F2)a) (i)   | transmit signals are correlated                                   |
|                                     | <input type="checkbox"/>            | KDB 662911  | F2)a) (ii)  | transmit signals are uncorrelated                                 |
| <input type="checkbox"/>            | KDB 662911                          |             | F2)b)       | Sectorized antenna systems.                                       |
| <input type="checkbox"/>            | KDB 662911                          |             | F2)c)       | Cross-polarized antennas                                          |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | F2)c) (i)   | Cross-polarized antennas                                          |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | F2)c) (ii)  | Multiple antennas                                                 |
| <input type="checkbox"/>            | KDB 662911                          |             | F2)e)       | Spatial stream                                                    |
|                                     | <input type="checkbox"/>            | KDB 662911  | F2)e) (i)   | Antennas have the same gain                                       |
|                                     | <input type="checkbox"/>            | KDB 662911  | F2)e) (ii)  | Antenna have the different gain with one spatial stream           |
|                                     | <input type="checkbox"/>            | KDB 662911  | F2)e) (iii) | Antenna have the different gain with more than one spatial stream |
| <input checked="" type="checkbox"/> | KDB 662911                          |             | F2)f)       | Cyclic Delay Diversity (CDD)                                      |
|                                     | <input checked="" type="checkbox"/> | KDB 662911  | F2)f) (i)   | Antennas have the same gain                                       |
|                                     | <input type="checkbox"/>            | KDB 662911  | F2)f) (ii)  | Antenna have the different gain with one spatial stream           |
|                                     | <input type="checkbox"/>            | KDB 662911  | F2)f) (iii) | Antenna have the different gain with more than one spatial stream |

**4.7 Power Density****VERDICT: PASS****4.7.1 Limit:****Standard**

FCC Part 15 Subpart C Paragraph 15.247 (e)

Power Spectral Density  $\leq 8\text{dBm}/3\text{kHz}$ **4.7.2 Test Setup****4.7.3 Test Procedure**

|                                     | References Rule                     |             | Chapter | Description                                                      |
|-------------------------------------|-------------------------------------|-------------|---------|------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | ANSI C63.10                         |             | 11.10   | Maximum power spectral density level in the fundamental emission |
|                                     | <input checked="" type="checkbox"/> | ANSI C63.10 | 11.10.2 | Method PKPSD (peak PSD)                                          |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.10.3 | Method AVGPSD-1(Duty cycle $\geq 98\%$ )                         |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.10.4 | Method AVGPSD-1A(Duty cycle $\geq 98\%$ )                        |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.10.5 | Method AVGPSD-2(Duty cycle $< 98\%$ )                            |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.10.6 | Method AVGPSD-2A(Duty cycle $< 98\%$ )                           |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.10.7 | Method AVGPSD-3                                                  |
|                                     | <input type="checkbox"/>            | ANSI C63.10 | 11.10.8 | Method AVGPSD-3A                                                 |

| Directional Gain Calculations for In-Band test method |                                     |             |             |                                                                   |
|-------------------------------------------------------|-------------------------------------|-------------|-------------|-------------------------------------------------------------------|
|                                                       | References Rule                     |             | Chapter     | Description                                                       |
| <input type="checkbox"/>                              | KDB 662911                          |             | F2)a)       | Basic methodology                                                 |
|                                                       | <input type="checkbox"/>            | KDB 662911  | F2)a) (i)   | transmit signals are correlated                                   |
|                                                       | <input type="checkbox"/>            | KDB 662911  | F2)a) (ii)  | transmit signals are uncorrelated                                 |
| <input type="checkbox"/>                              | KDB 662911                          |             | F2)b)       | Sectorized antenna systems.                                       |
| <input type="checkbox"/>                              | KDB 662911                          |             | F2)c)       | Cross-polarized antennas                                          |
|                                                       | <input type="checkbox"/>            | ANSI C63.10 | F2)c) (i)   | Cross-polarized antennas                                          |
|                                                       | <input type="checkbox"/>            | ANSI C63.10 | F2)c) (ii)  | Multiple antennas                                                 |
| <input type="checkbox"/>                              | KDB 662911                          |             | F2)e)       | Spatial stream                                                    |
|                                                       | <input type="checkbox"/>            | KDB 662911  | F2)e) (i)   | Antennas have the same gain                                       |
|                                                       | <input type="checkbox"/>            | KDB 662911  | F2)e) (ii)  | Antenna have the different gain with one spatial stream           |
|                                                       | <input type="checkbox"/>            | KDB 662911  | F2)e) (iii) | Antenna have the different gain with more than one spatial stream |
| <input checked="" type="checkbox"/>                   | KDB 662911                          |             | F2)f)       | Cyclic Delay Diversity (CDD)                                      |
|                                                       | <input checked="" type="checkbox"/> | KDB 662911  | F2)f) (i)   | Antennas have the same gain                                       |
|                                                       | <input type="checkbox"/>            | KDB 662911  | F2)f) (ii)  | Antenna have the different gain with one spatial stream           |
|                                                       | <input type="checkbox"/>            | KDB 662911  | F2)f) (iii) | Antenna have the different gain with more than one spatial stream |

## 4.8 AC Power Line Conducted Emission

**VERDICT: N/A**

### 4.8.1 Limit

**Standard** FCC Part 15 Subpart C Paragraph 15.207; RSS-Gen Issue 5 Paragraph 8.8.

| Frequency range [MHz] | Limit: QP [dB(μV) <sup>1)</sup> ] | Limit: AV [dB(μV) <sup>1)</sup> ] |
|-----------------------|-----------------------------------|-----------------------------------|
| 0,15 - 0,50           | 66 - 56 <sup>2)</sup>             | 56 - 46 <sup>2)</sup>             |
| 0,50 - 5,0            | 56                                | 46                                |
| 5,0 - 30              | 60                                | 50                                |

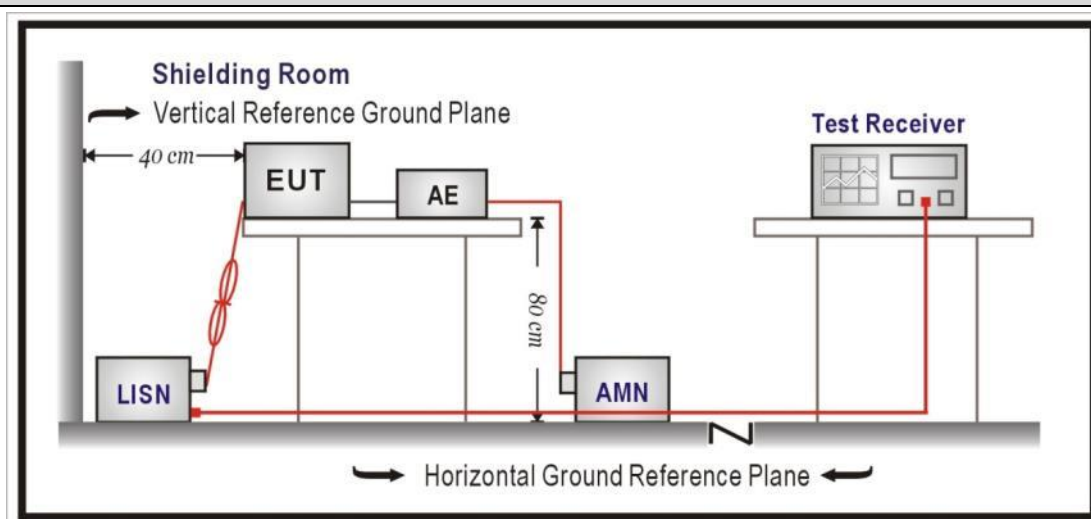
<sup>1)</sup> At the transition frequency, the lower limit applies.

<sup>2)</sup> The limit decreases linearly with the logarithm of the frequency.

**NOTE 1:** The exclusion band for transmitters shall be considered for transmitters operating at frequencies below 30 MHz.

**NOTE 2:** Where the AC output port is directly connected (or via a circuit breaker) to the AC power input port of the EUT the AC power output port need not to be tested.

### 4.8.2 Test Setup



### 4.8.3 Test Procedure

|                          | References Rule  | Chapter | Item                                                                                        |
|--------------------------|------------------|---------|---------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | ANSI C63.10-2013 | 6.2     | Standard test method for ac power-line conducted emissions from unlicensed wireless devices |

|                                |                      |
|--------------------------------|----------------------|
| <b>4.9 Antenna Requirement</b> | <b>VERDICT: PASS</b> |
|--------------------------------|----------------------|

| <b>4.9.1 Limit:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <b>Standard</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FCC Part 15 Subpart C Paragraph 15.203 |
| <p>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.</p> |                                        |

| <b>4.9.2 Antenna Connector Construction:</b>                                               |                                                                  |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| <input type="checkbox"/>                                                                   | The use of a permanently attached antenna                        |
| <input type="checkbox"/>                                                                   | The antenna use of a unique coupling to the intentional radiator |
| <input checked="" type="checkbox"/>                                                        | The use of a nonstandard antenna jack or electrical connector    |
| Please refer to the attached document "Internal Photograph" to show the antenna connector. |                                                                  |

## 5 TEST SETUP PHOTO AND EUT PHOTO

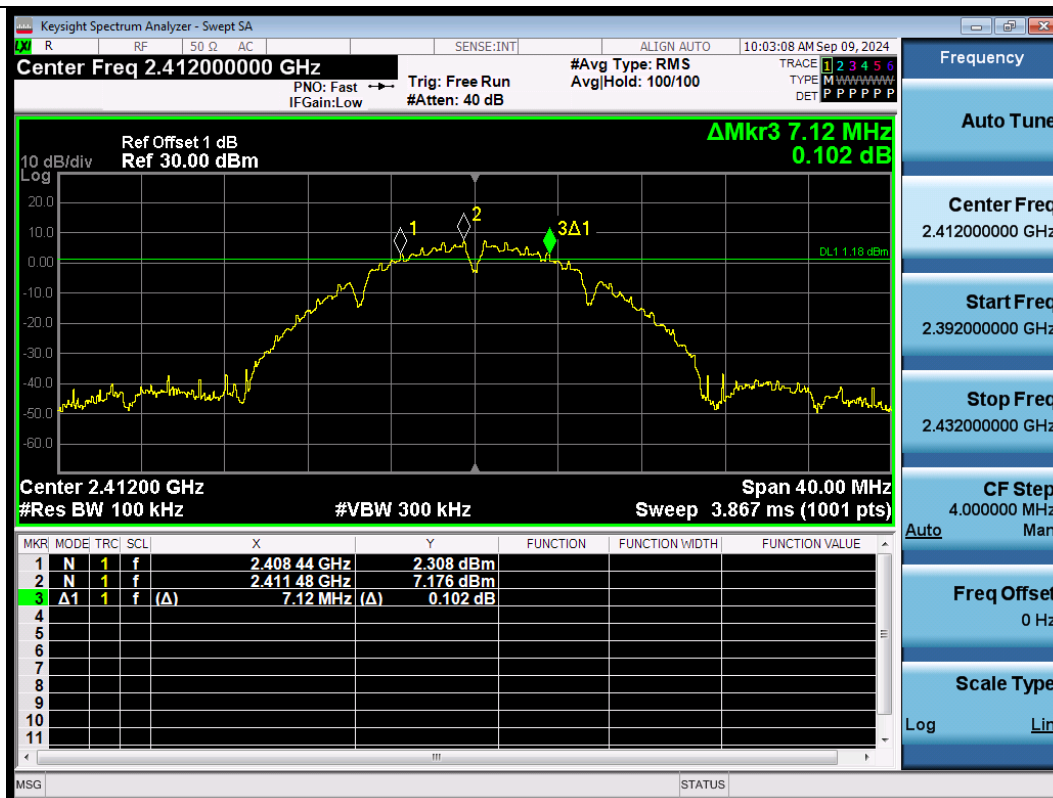
Remark: The test setup photo and EUT Photo please see appendix.

## 6 TEST RESULT

### Appendix A: DTS Bandwidth

| TestMode   | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B        | Ant1    | 2412           | 7.120        | 2408.440 | 2415.560 | 0.5        | PASS    |
| 11B        | Ant1    | 2437           | 7.360        | 2433.200 | 2440.560 | 0.5        | PASS    |
| 11B        | Ant1    | 2462           | 7.360        | 2458.200 | 2465.560 | 0.5        | PASS    |
| 11G        | Ant1    | 2412           | 16.360       | 2403.840 | 2420.200 | 0.5        | PASS    |
| 11G        | Ant1    | 2437           | 16.360       | 2428.840 | 2445.200 | 0.5        | PASS    |
| 11G        | Ant1    | 2462           | 16.360       | 2453.800 | 2470.160 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 2412           | 17.680       | 2403.160 | 2420.840 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 2437           | 17.640       | 2428.200 | 2445.840 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 2462           | 17.760       | 2453.080 | 2470.840 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 2422           | 36.320       | 2403.840 | 2440.160 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 2437           | 36.400       | 2418.840 | 2455.240 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 2452           | 36.320       | 2433.840 | 2470.160 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 2412           | 19.120       | 2402.440 | 2421.560 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 2437           | 19.080       | 2427.440 | 2446.520 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 2462           | 19.000       | 2452.480 | 2471.480 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 2422           | 38.080       | 2402.960 | 2441.040 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 2437           | 38.160       | 2417.960 | 2456.120 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 2452           | 37.920       | 2433.040 | 2470.960 | 0.5        | PASS    |
| 11BE20SISO | Ant1    | 2412           | 19.000       | 2402.520 | 2421.520 | 0.5        | PASS    |
| 11BE20SISO | Ant1    | 2437           | 19.000       | 2427.520 | 2446.520 | 0.5        | PASS    |
| 11BE20SISO | Ant1    | 2462           | 19.080       | 2452.400 | 2471.480 | 0.5        | PASS    |
| 11BE40SISO | Ant1    | 2422           | 37.920       | 2403.040 | 2440.960 | 0.5        | PASS    |
| 11BE40SISO | Ant1    | 2437           | 38.240       | 2417.880 | 2456.120 | 0.5        | PASS    |
| 11BE40SISO | Ant1    | 2452           | 37.920       | 2433.040 | 2470.960 | 0.5        | PASS    |

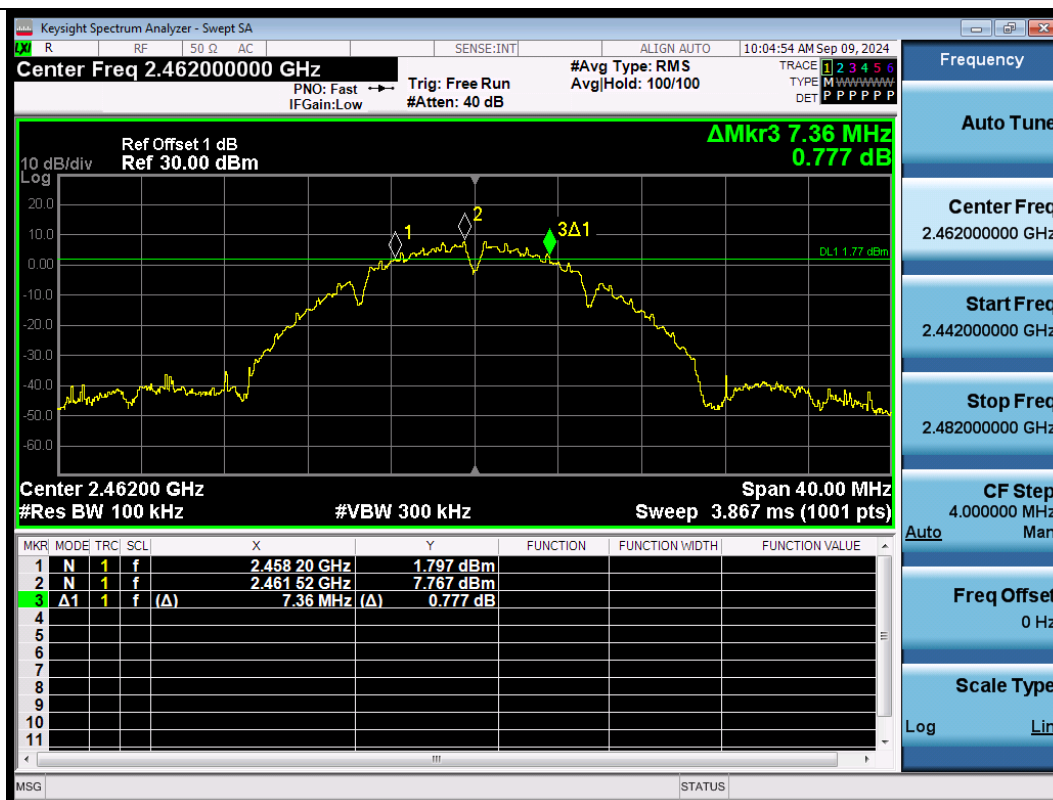
Note: We have evaluated SISO, CDD, Beamforming mode, shown in the report is the worst data.



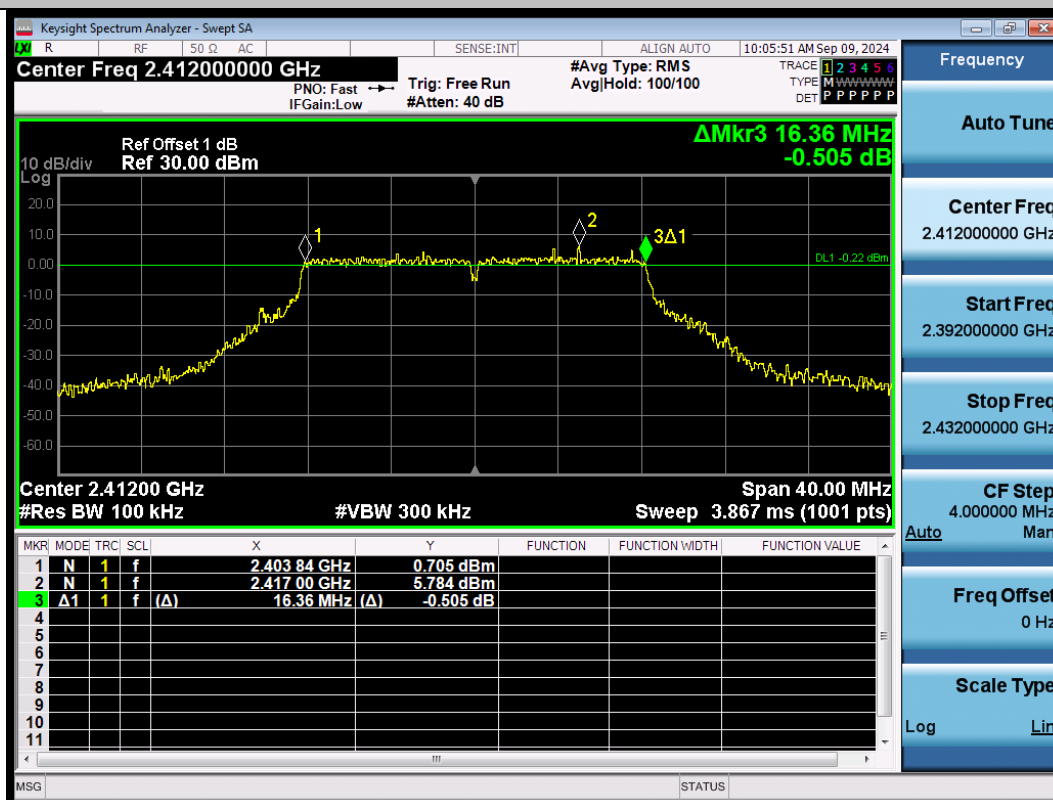
11B-Ant1-2412-PASS



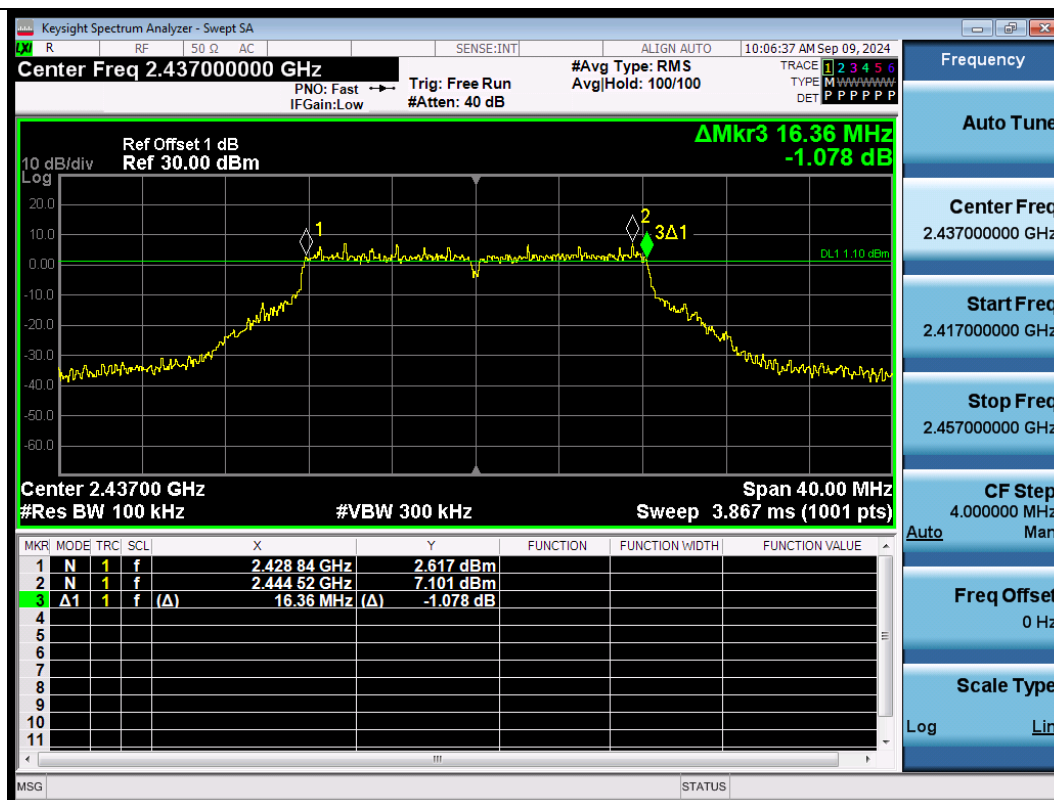
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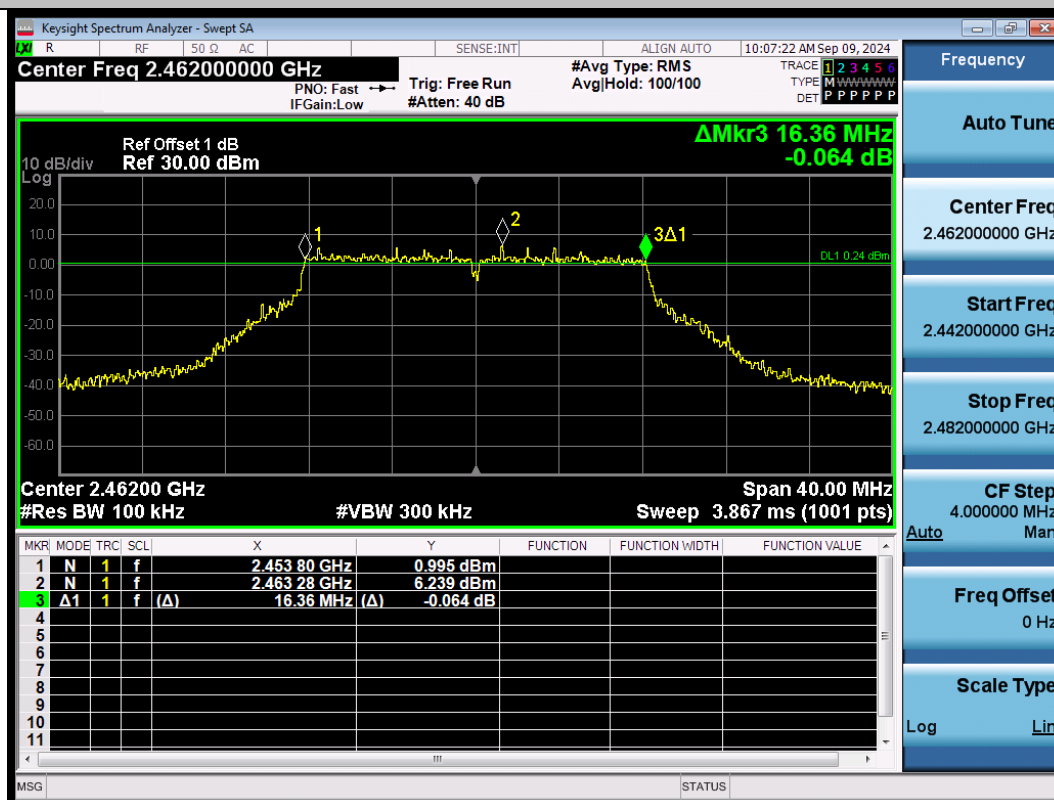
11B-Ant1-2462-PASS



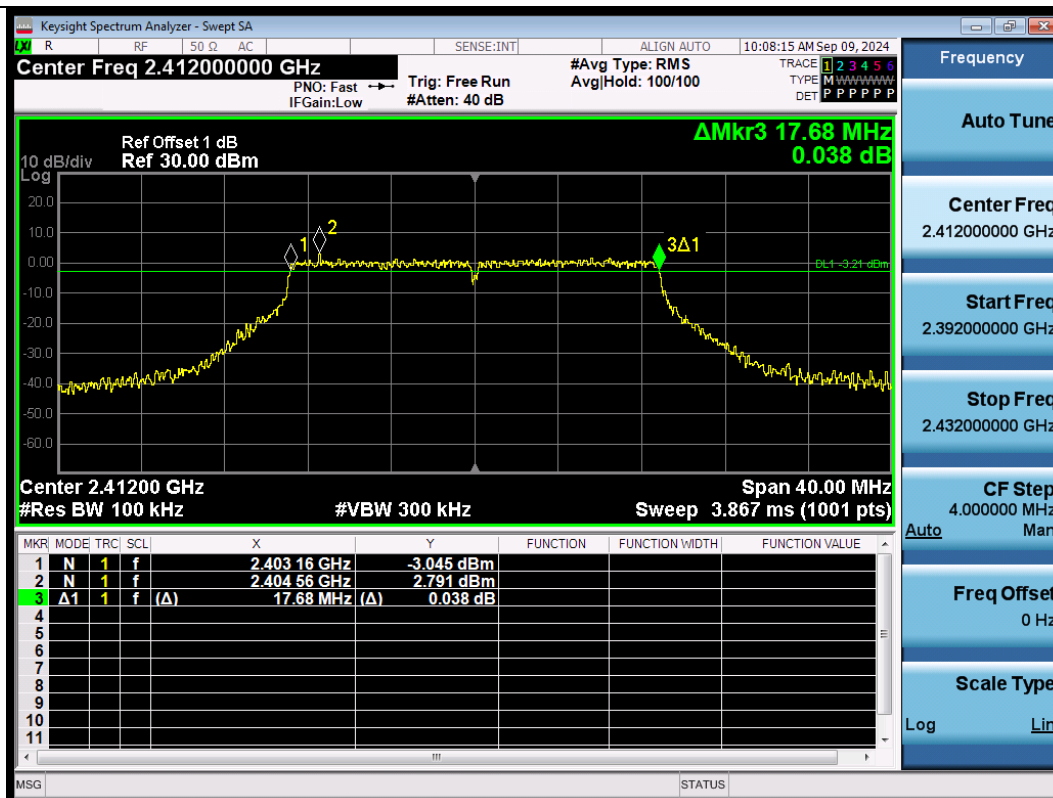
11G-Ant1-2412-PASS



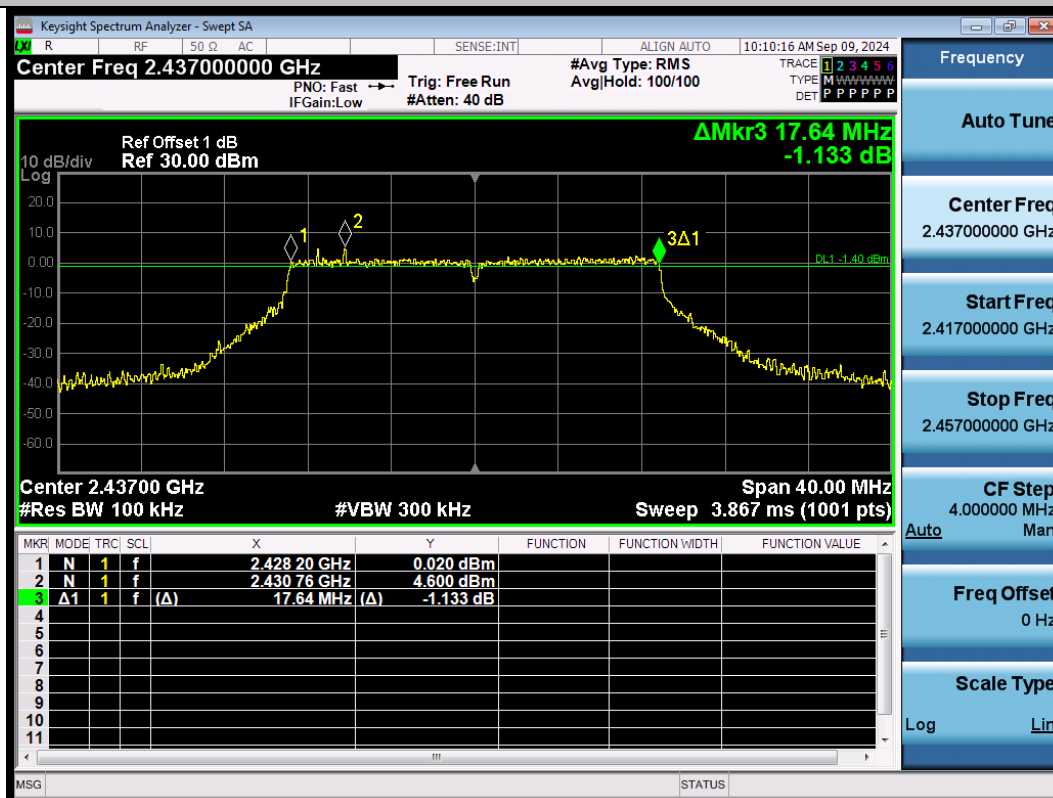
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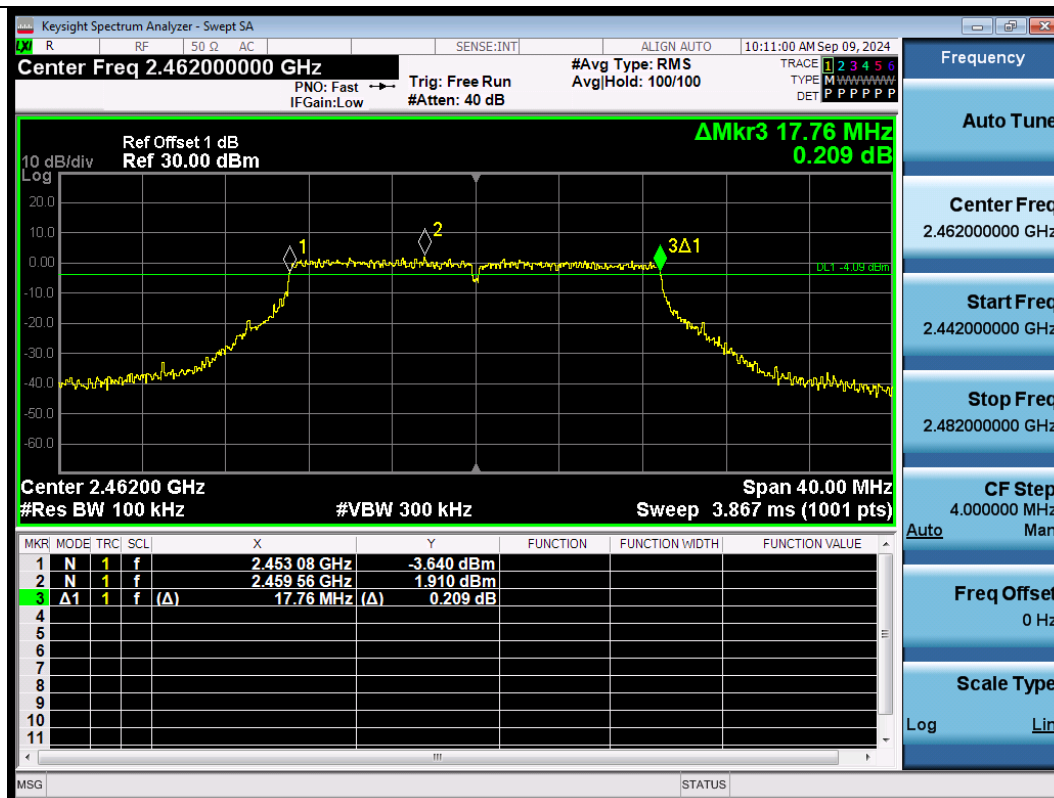
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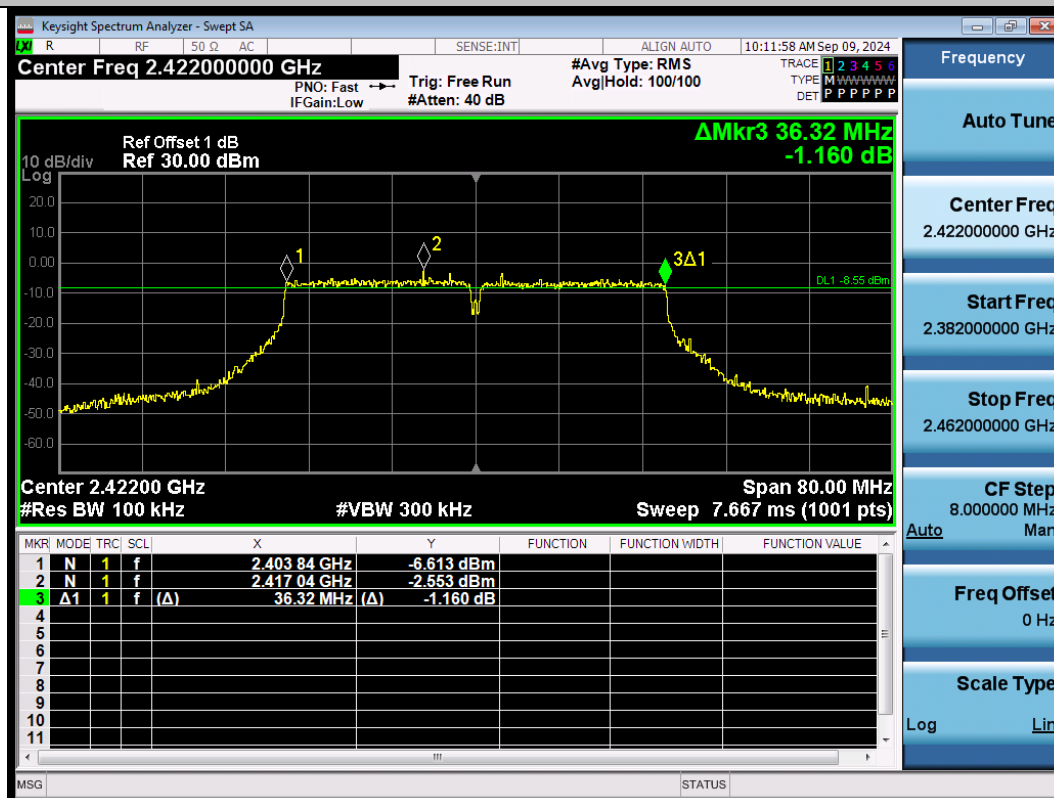
11N20SISO-Ant1-2412-PASS



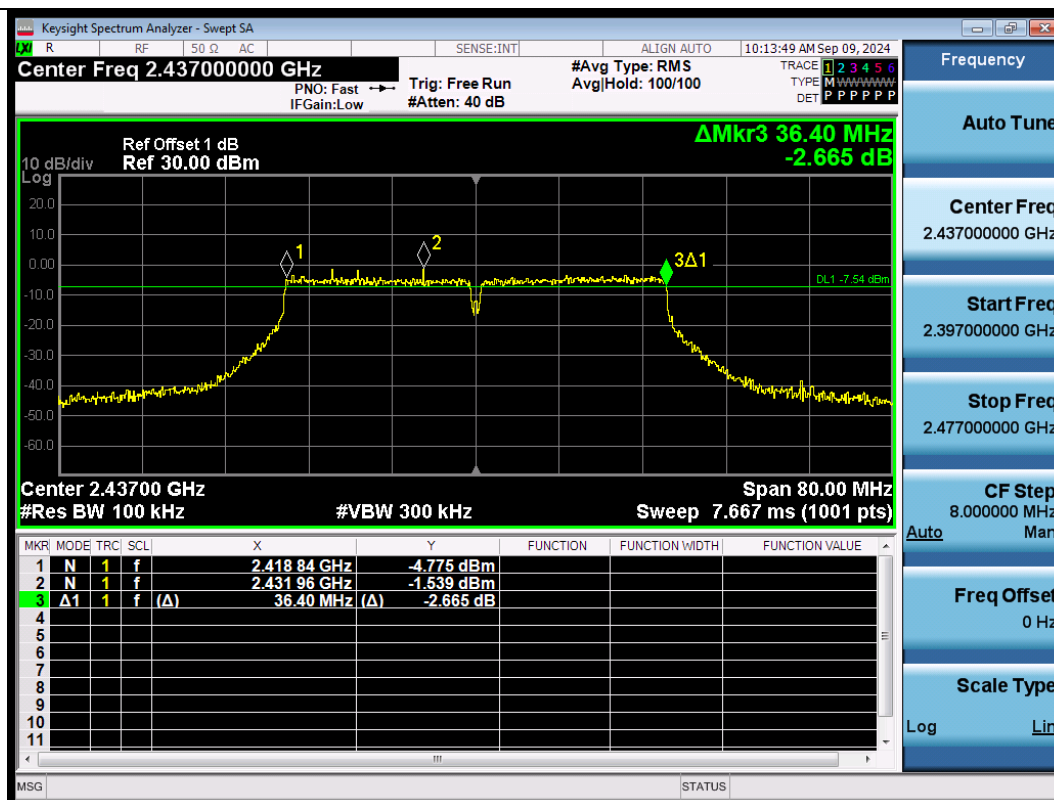
11N20SISO-Ant1-2437-PASS



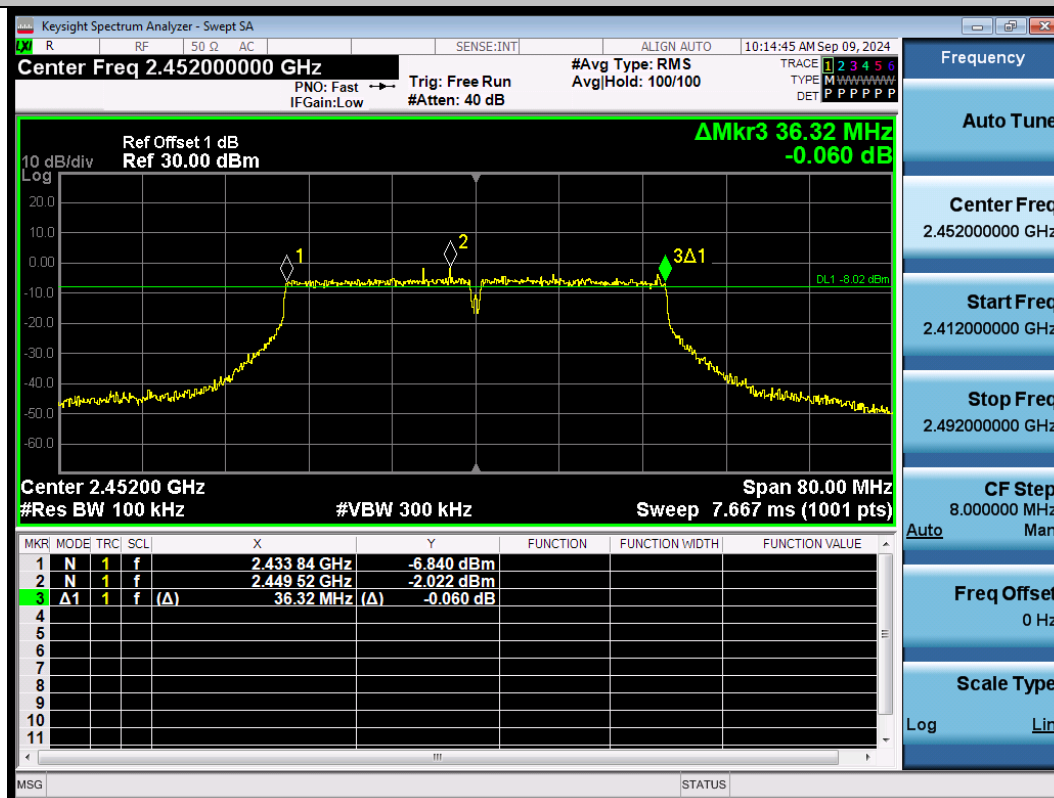
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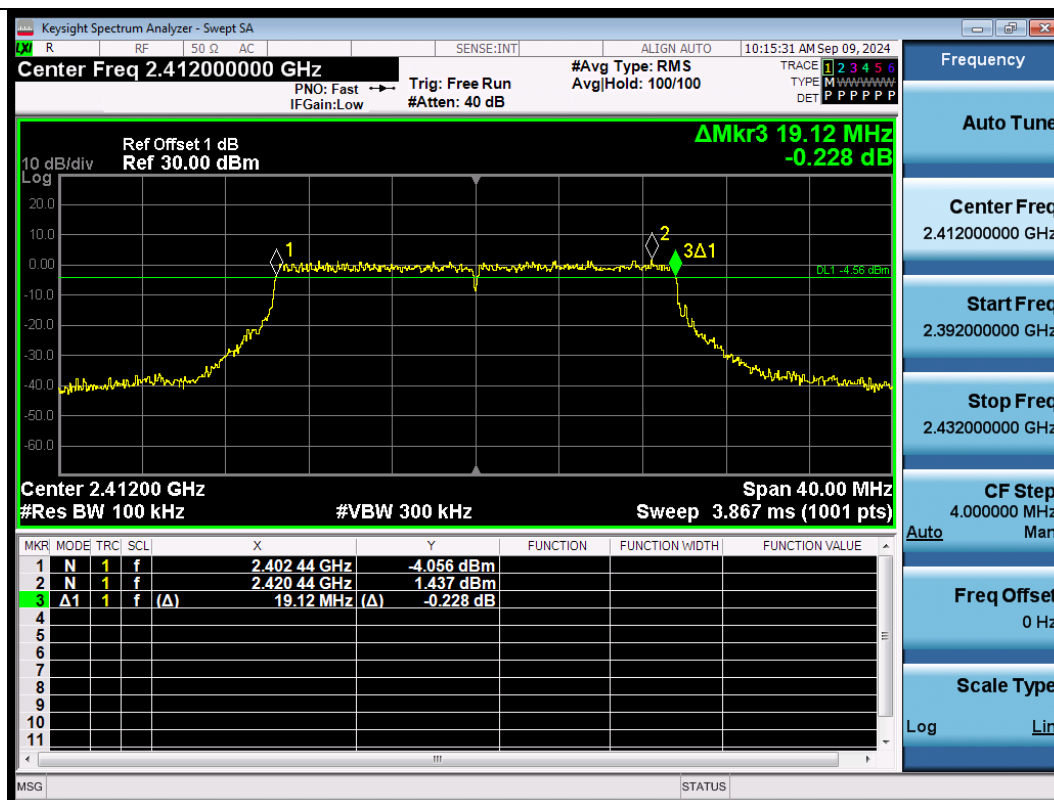
11N40SISO-Ant1-2422-PASS



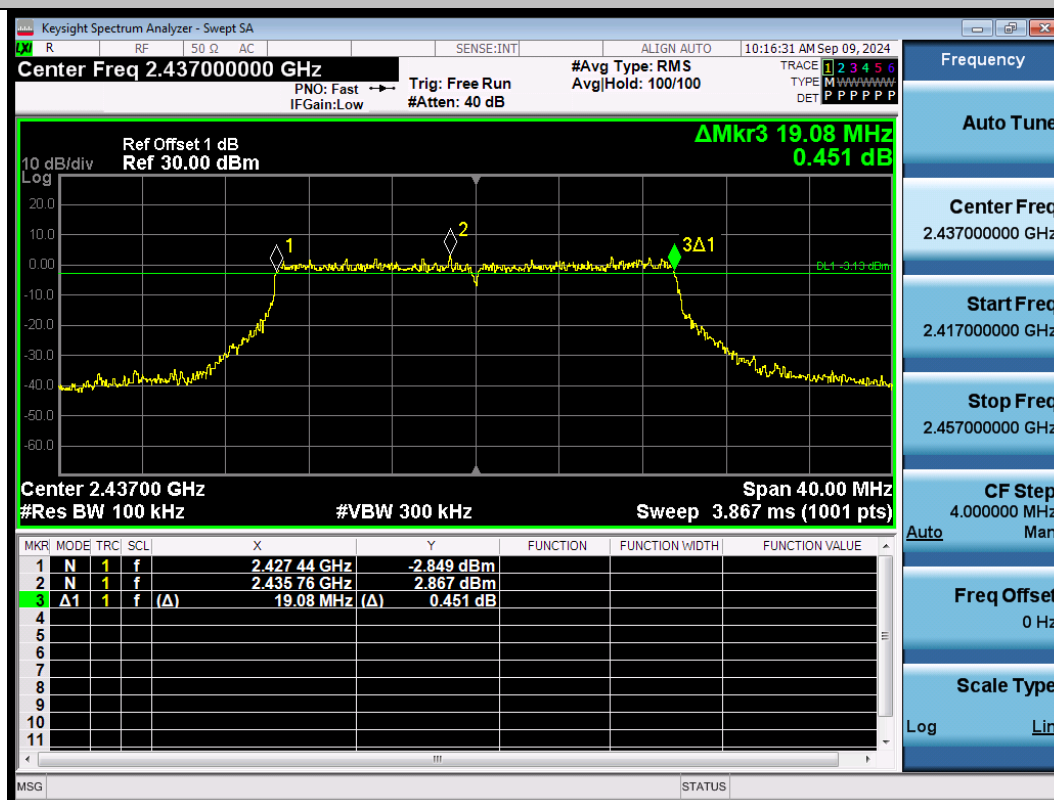
11N40SISO-Ant1-2437-PASS



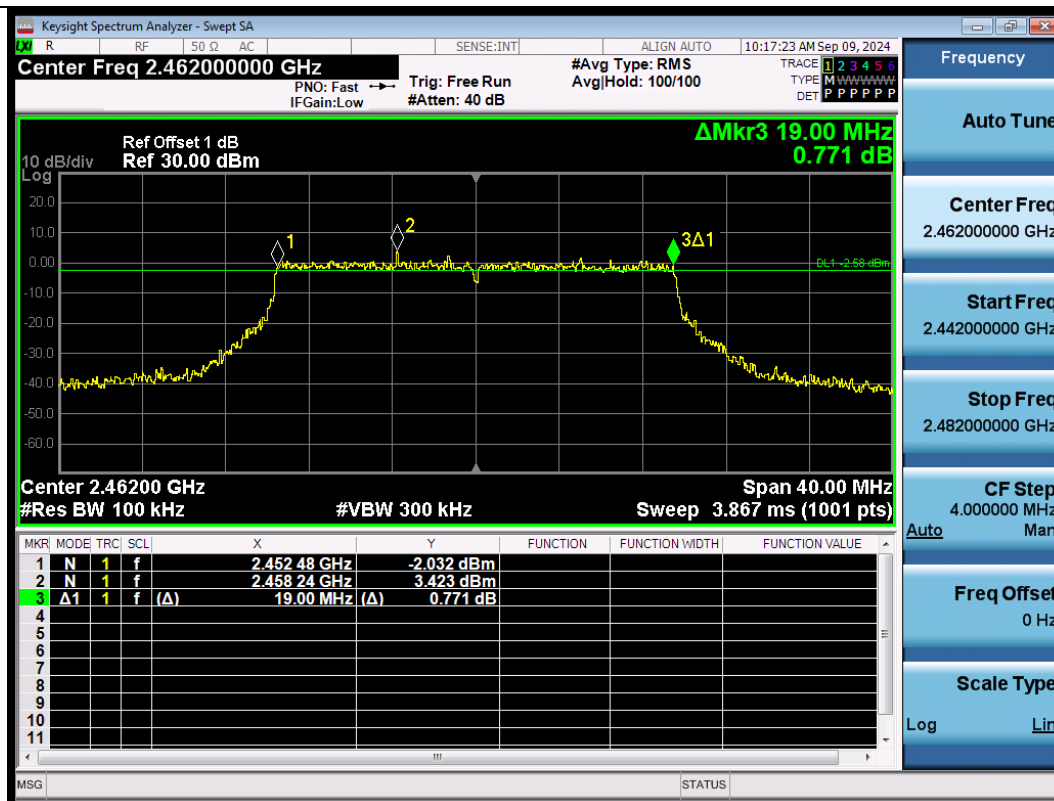
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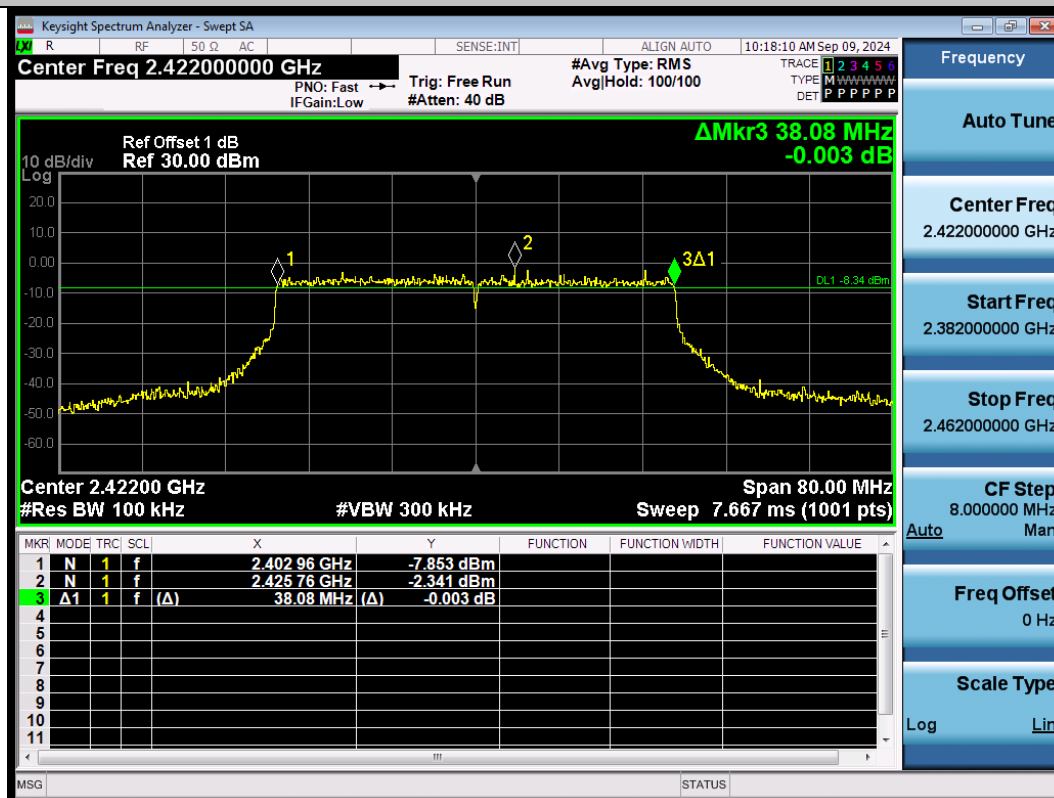
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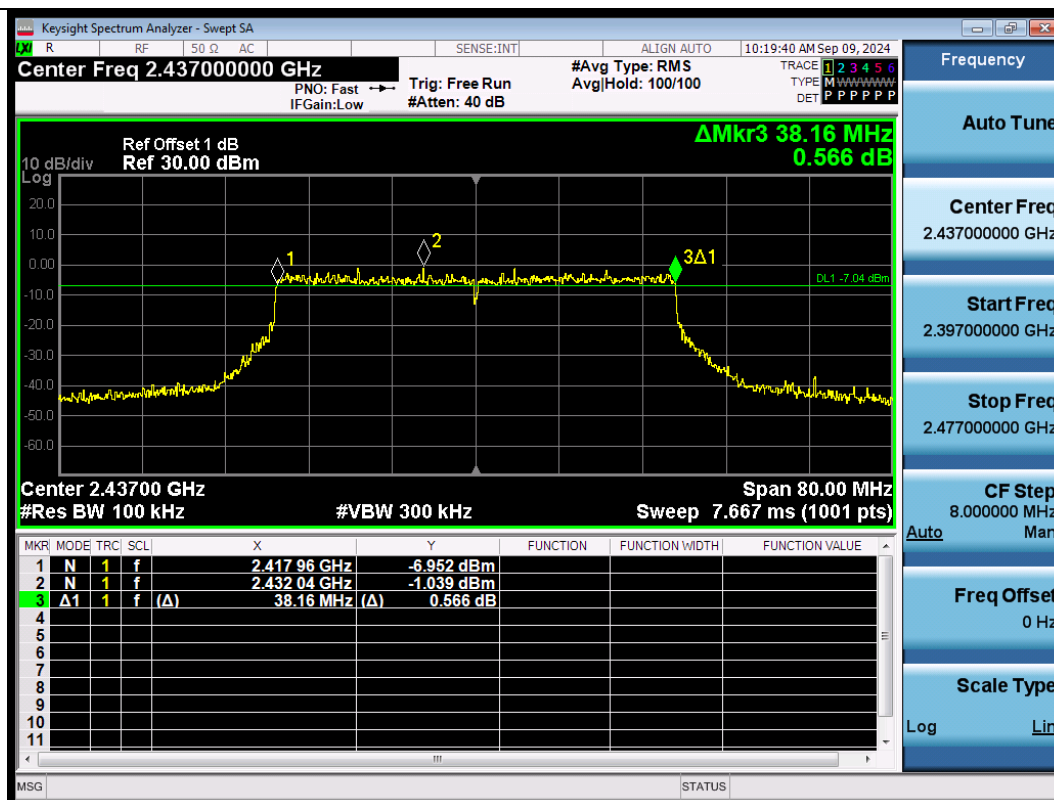
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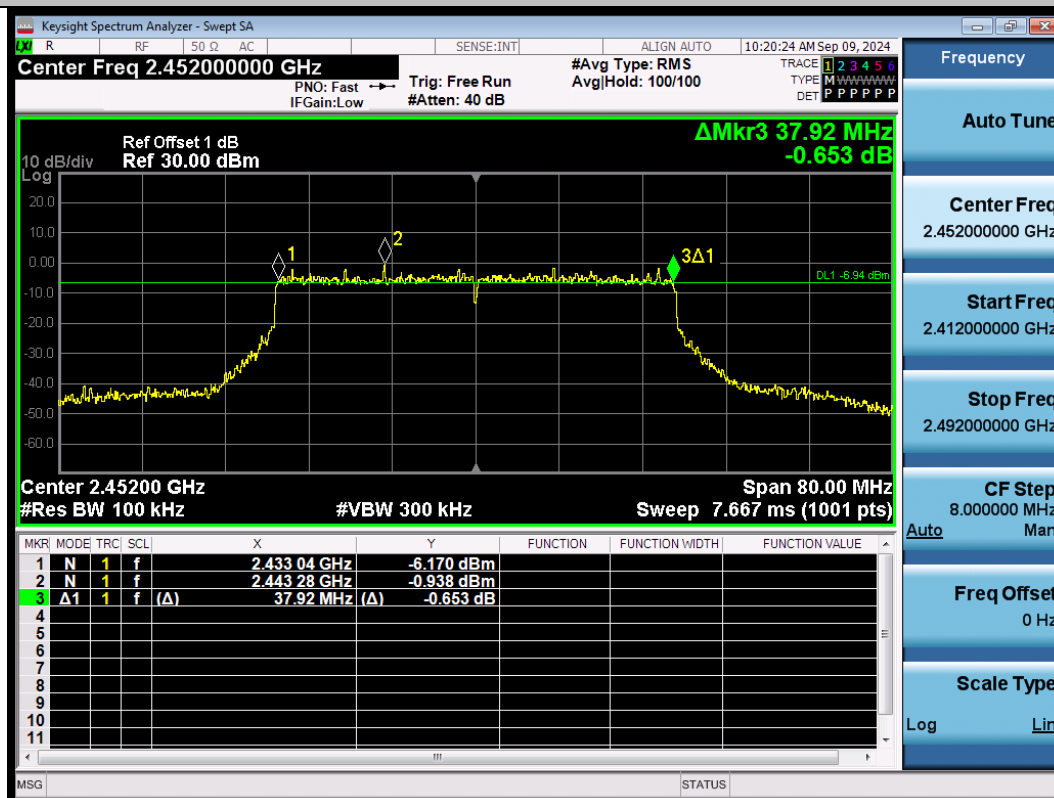
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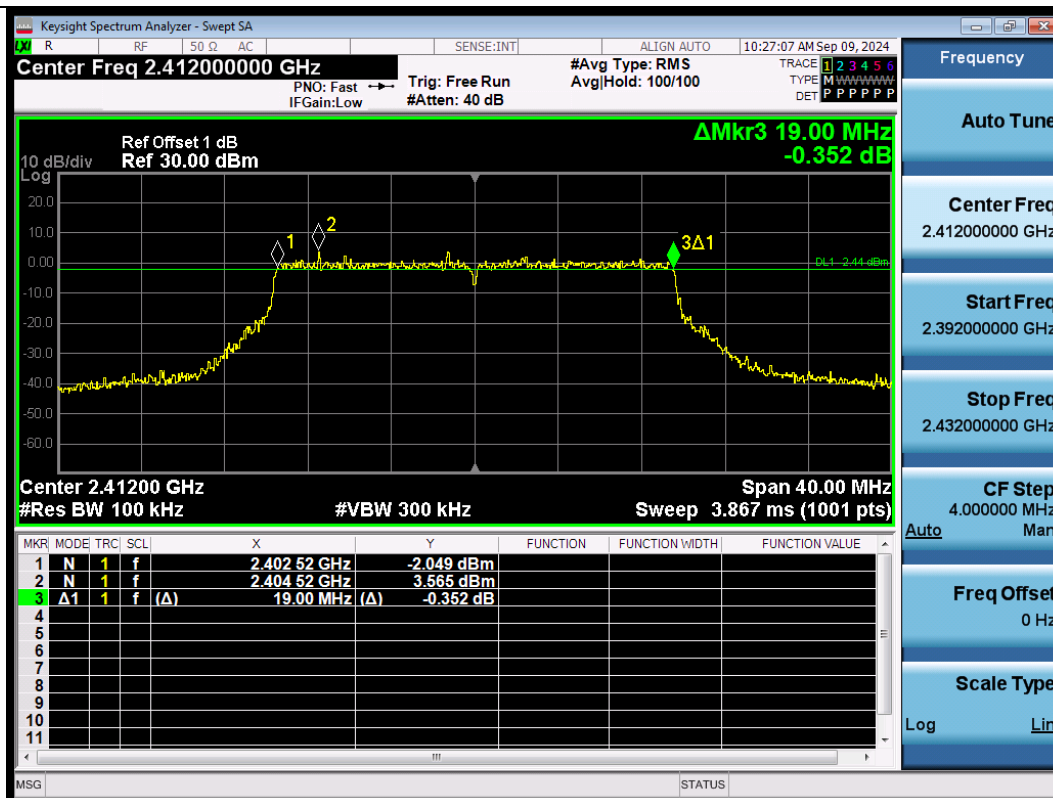
11AX40SISO-Ant1-2422-PASS



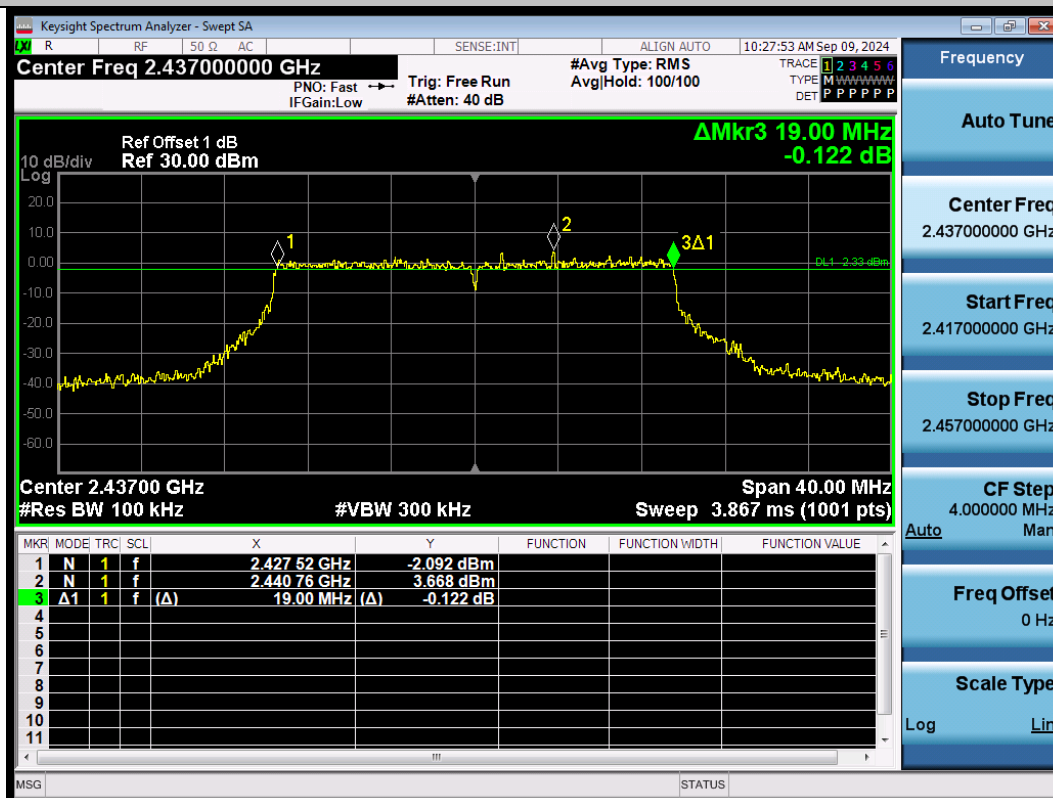
11AX40SISO-Ant1-2437-PASS



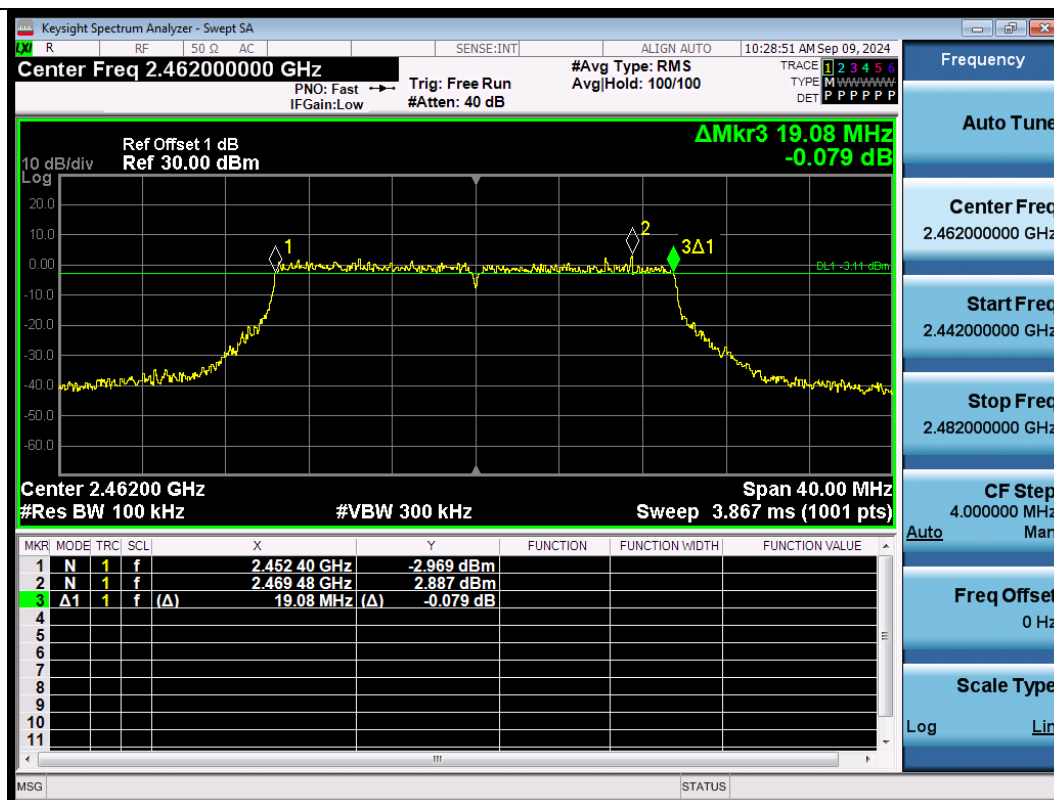
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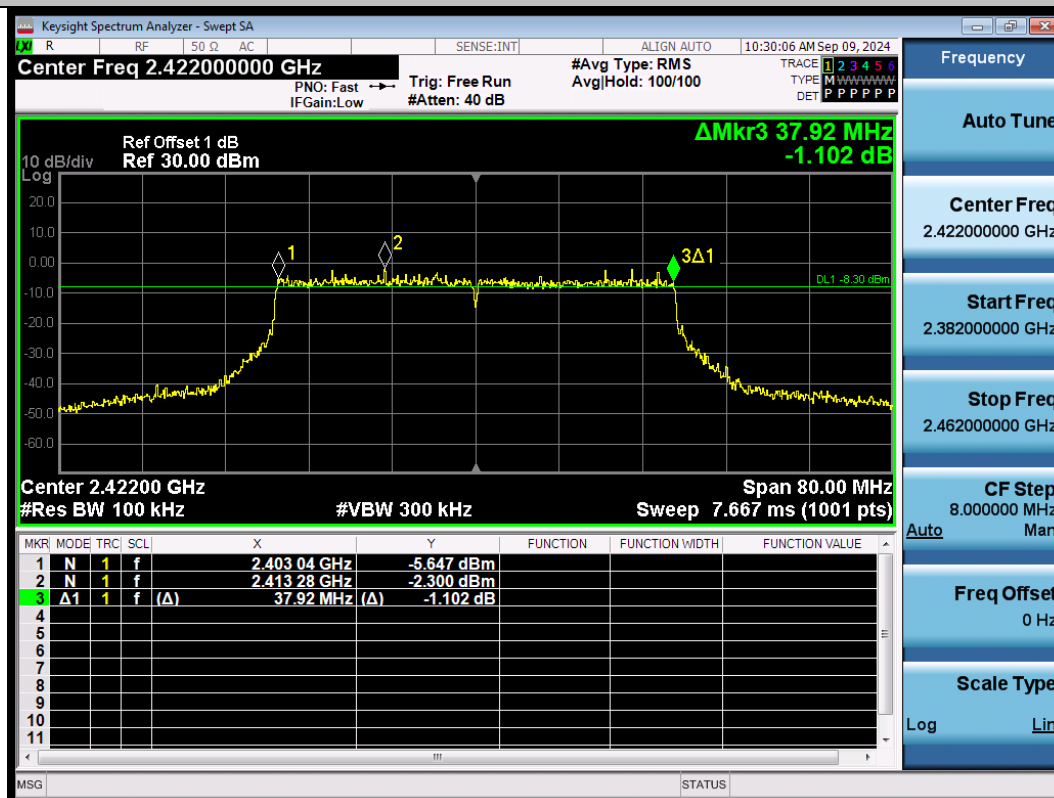
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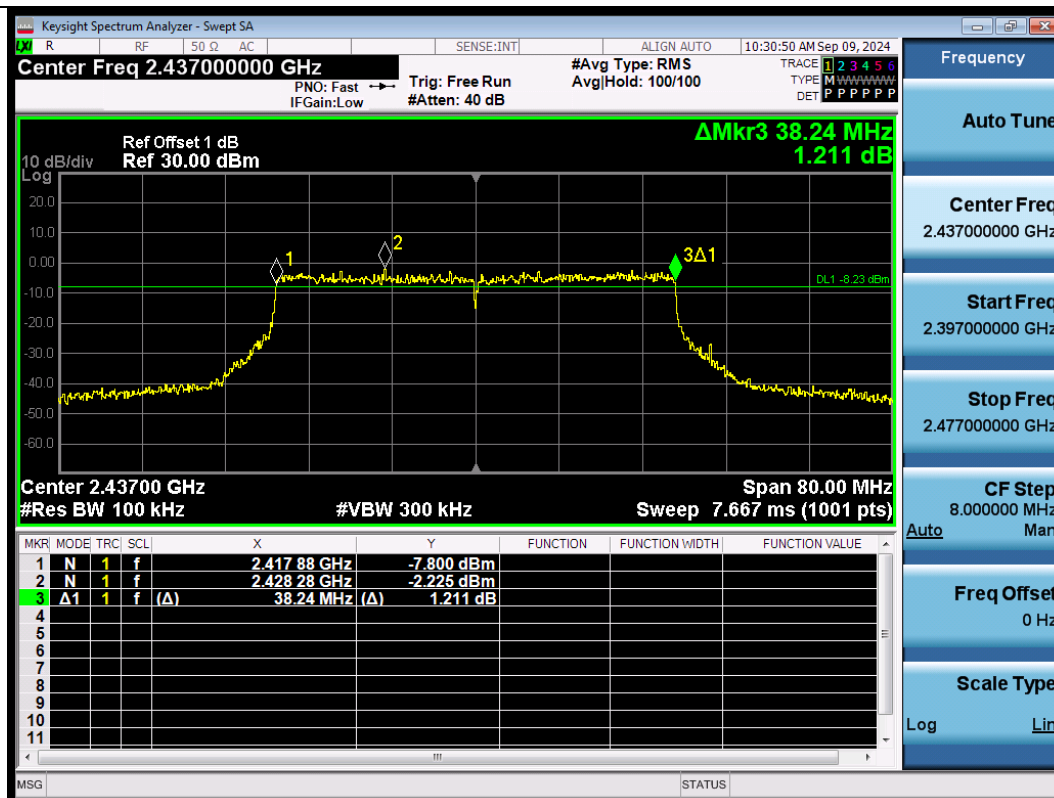
11BE20SISO-Ant1-2437-PASS



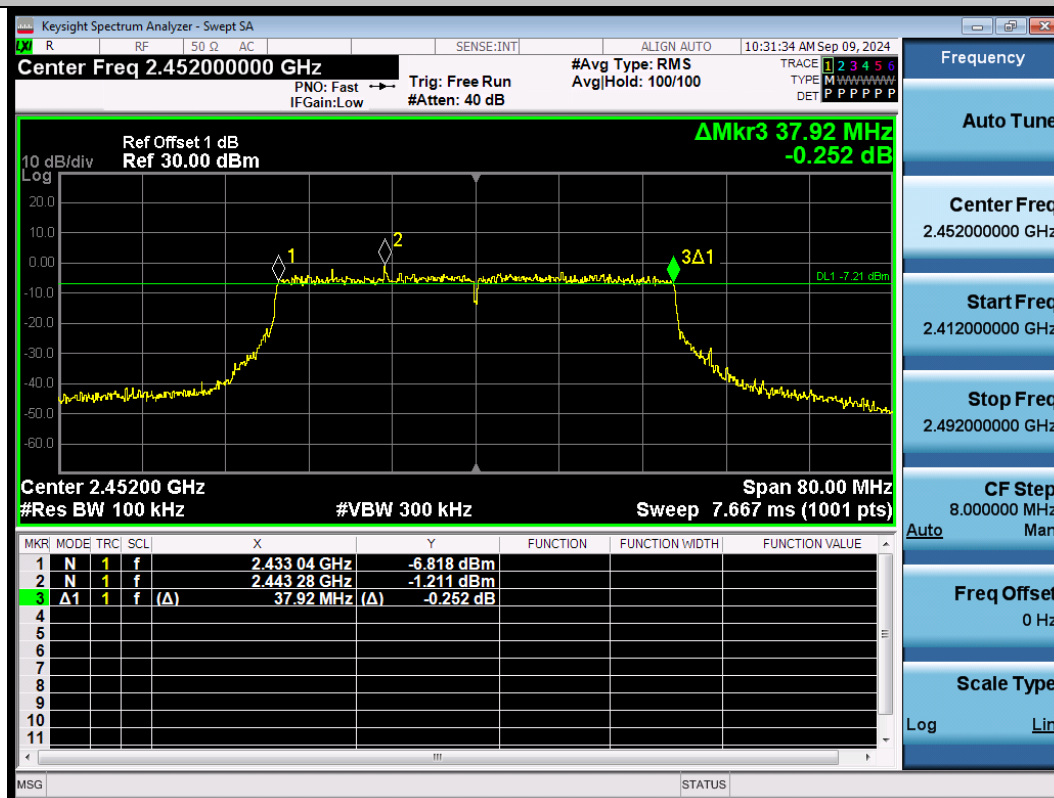
11BE20SISO-Ant1-2462-PASS



11BE40SISO-Ant1-2422-PASS



11BE40SISO-Ant1-2437-PASS

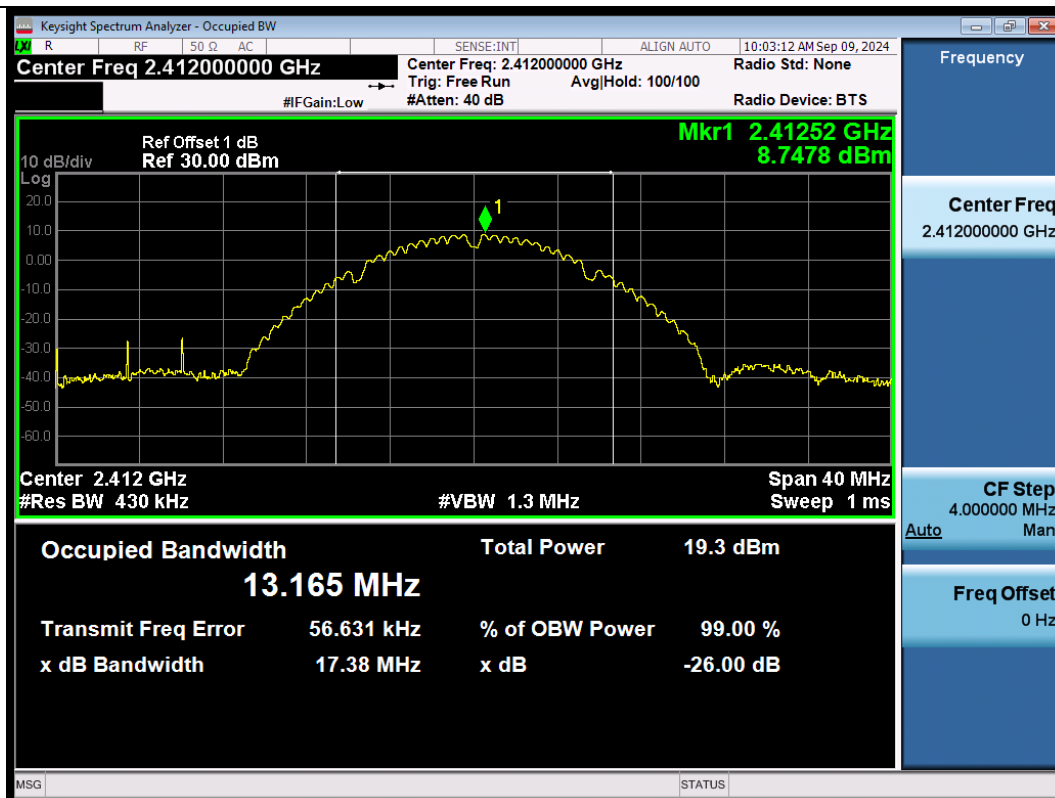


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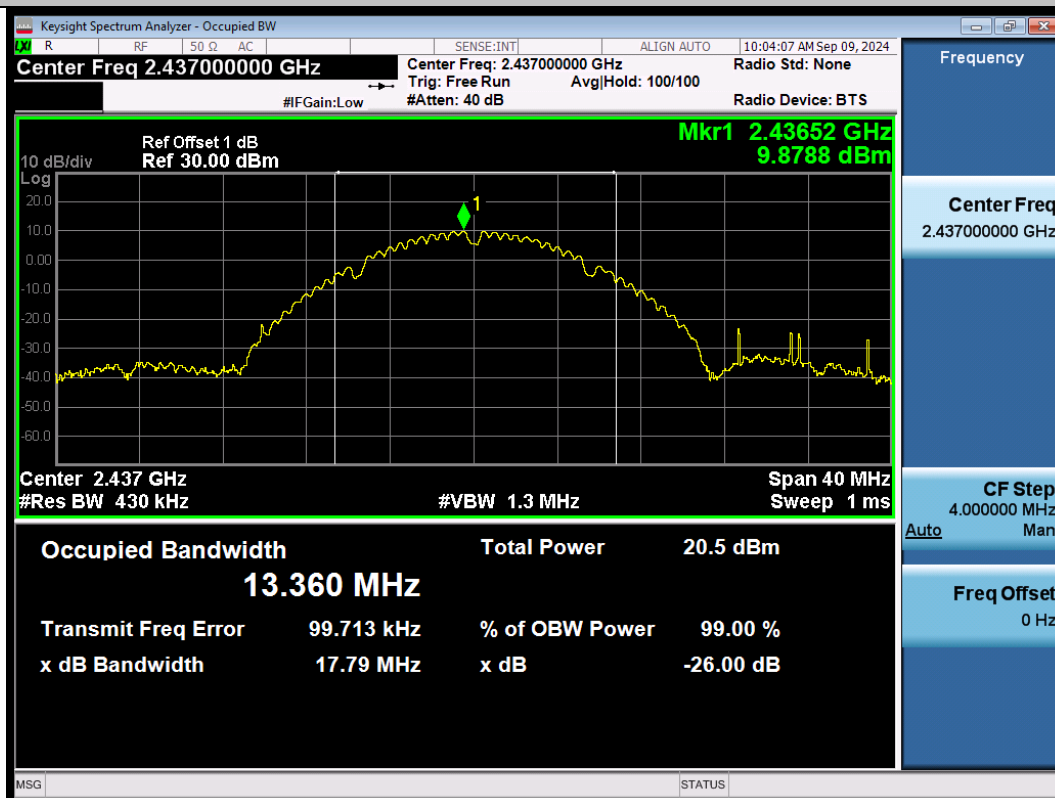
## Appendix B: Occupied Channel Bandwidth

| TestMode   | Antenna | Channel Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   |
|------------|---------|------------------------|-----------|-----------|-----------|
| 11B        | Ant1    | 2412                   | 13.165    | 2405.4741 | 2418.6391 |
| 11B        | Ant1    | 2437                   | 13.360    | 2430.4197 | 2443.7797 |
| 11B        | Ant1    | 2462                   | 13.169    | 2455.3607 | 2468.5297 |
| 11G        | Ant1    | 2412                   | 17.130    | 2403.4292 | 2420.5592 |
| 11G        | Ant1    | 2437                   | 17.307    | 2428.3418 | 2445.6488 |
| 11G        | Ant1    | 2462                   | 17.197    | 2453.3240 | 2470.5210 |
| 11N20SISO  | Ant1    | 2412                   | 18.204    | 2402.9506 | 2421.1546 |
| 11N20SISO  | Ant1    | 2437                   | 18.290    | 2427.9225 | 2446.2125 |
| 11N20SISO  | Ant1    | 2462                   | 18.283    | 2452.8101 | 2471.0931 |
| 11N40SISO  | Ant1    | 2422                   | 36.891    | 2403.5696 | 2440.4606 |
| 11N40SISO  | Ant1    | 2437                   | 37.071    | 2418.4919 | 2455.5629 |
| 11N40SISO  | Ant1    | 2452                   | 36.814    | 2433.5330 | 2470.3470 |
| 11AX20SISO | Ant1    | 2412                   | 19.209    | 2402.4037 | 2421.6127 |
| 11AX20SISO | Ant1    | 2437                   | 19.230    | 2427.4124 | 2446.6424 |
| 11AX20SISO | Ant1    | 2462                   | 19.186    | 2452.3941 | 2471.5801 |
| 11AX40SISO | Ant1    | 2422                   | 38.193    | 2402.8904 | 2441.0834 |
| 11AX40SISO | Ant1    | 2437                   | 38.268    | 2417.9099 | 2456.1779 |
| 11AX40SISO | Ant1    | 2452                   | 38.203    | 2432.9276 | 2471.1306 |
| 11BE20SISO | Ant1    | 2412                   | 19.204    | 2402.4124 | 2421.6164 |
| 11BE20SISO | Ant1    | 2437                   | 19.279    | 2427.3888 | 2446.6678 |
| 11BE20SISO | Ant1    | 2462                   | 19.213    | 2452.3687 | 2471.5817 |
| 11BE40SISO | Ant1    | 2422                   | 38.271    | 2402.8559 | 2441.1269 |
| 11BE40SISO | Ant1    | 2437                   | 38.280    | 2417.8664 | 2456.1464 |
| 11BE40SISO | Ant1    | 2452                   | 38.146    | 2432.9040 | 2471.0500 |

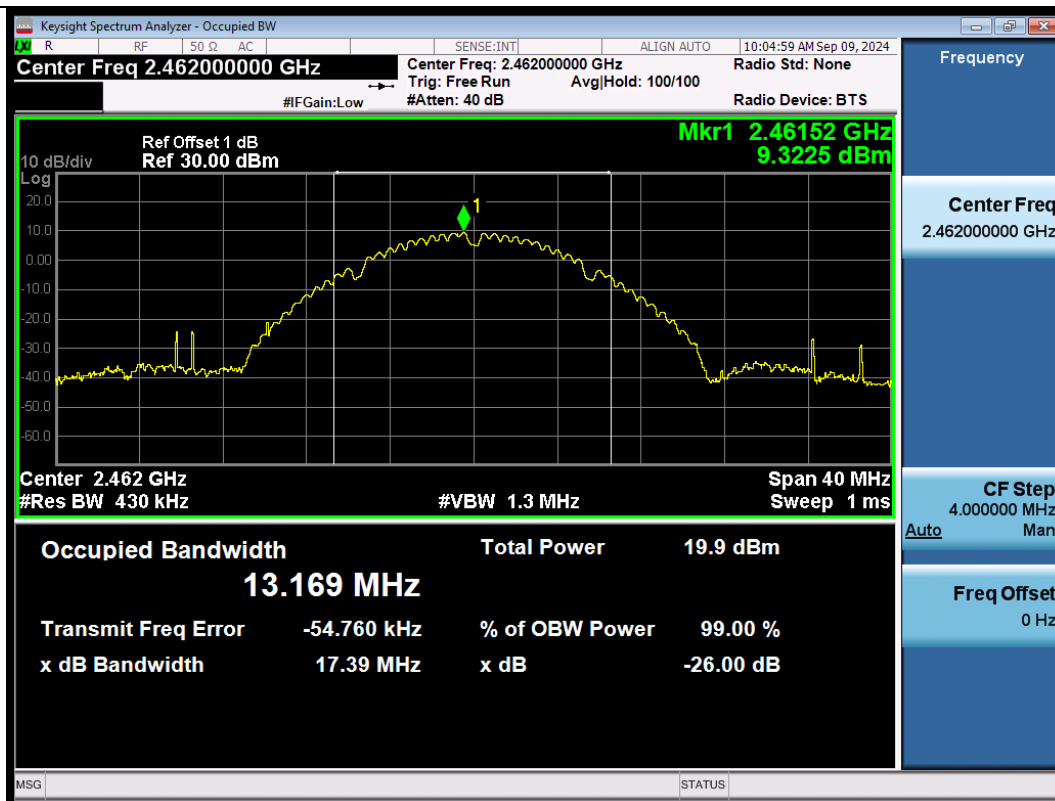
Note: We have evaluated SISO, CDD, Beamforming mode, shown in the report is the worst data.



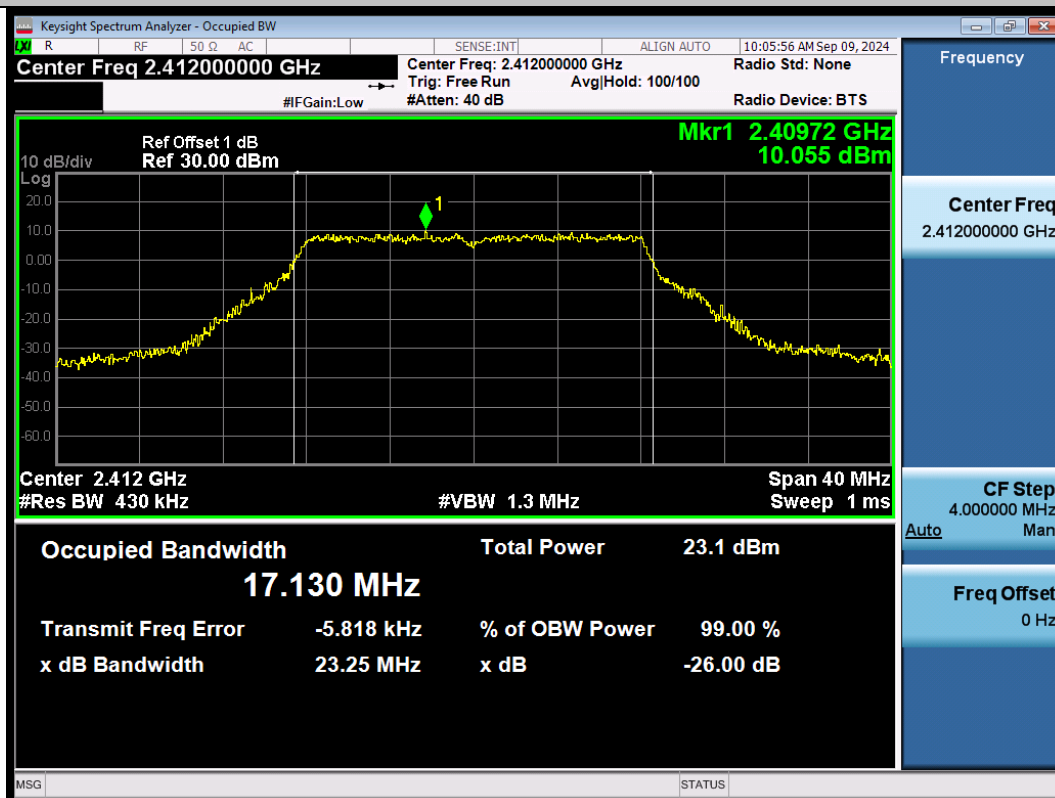
11B-Ant1-2412



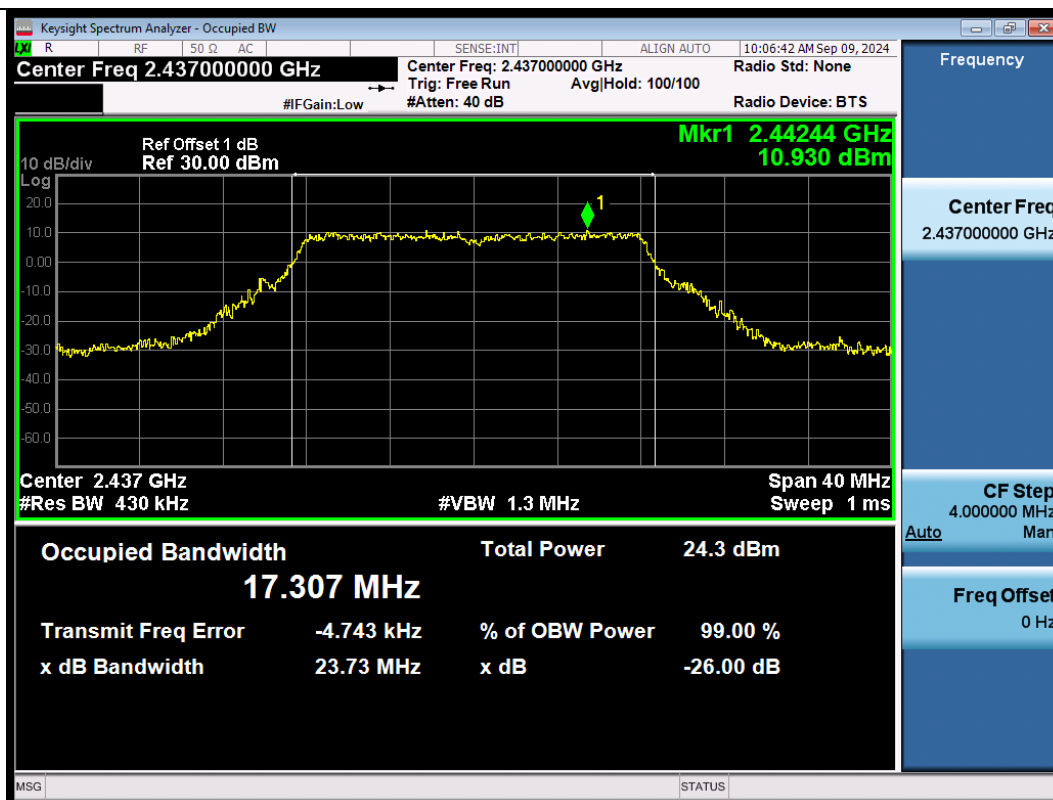
11B-Ant1-2437



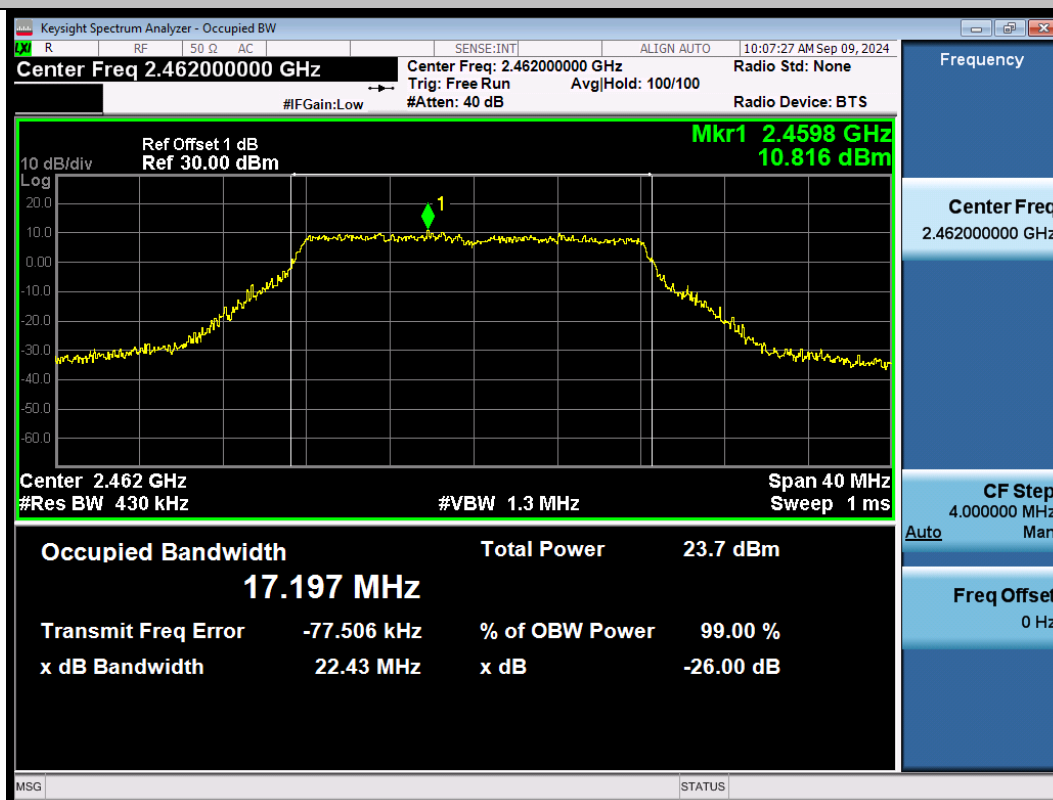
11B-Ant1-2462



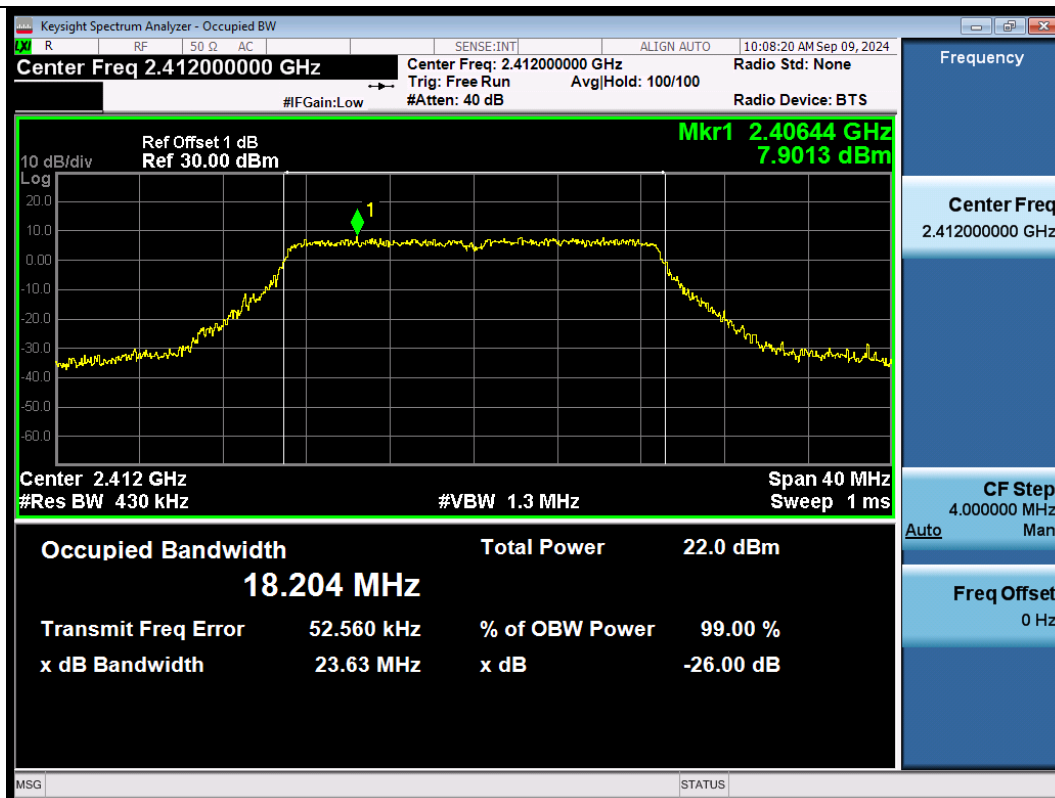
11G-Ant1-2412



11G-Ant1-2437



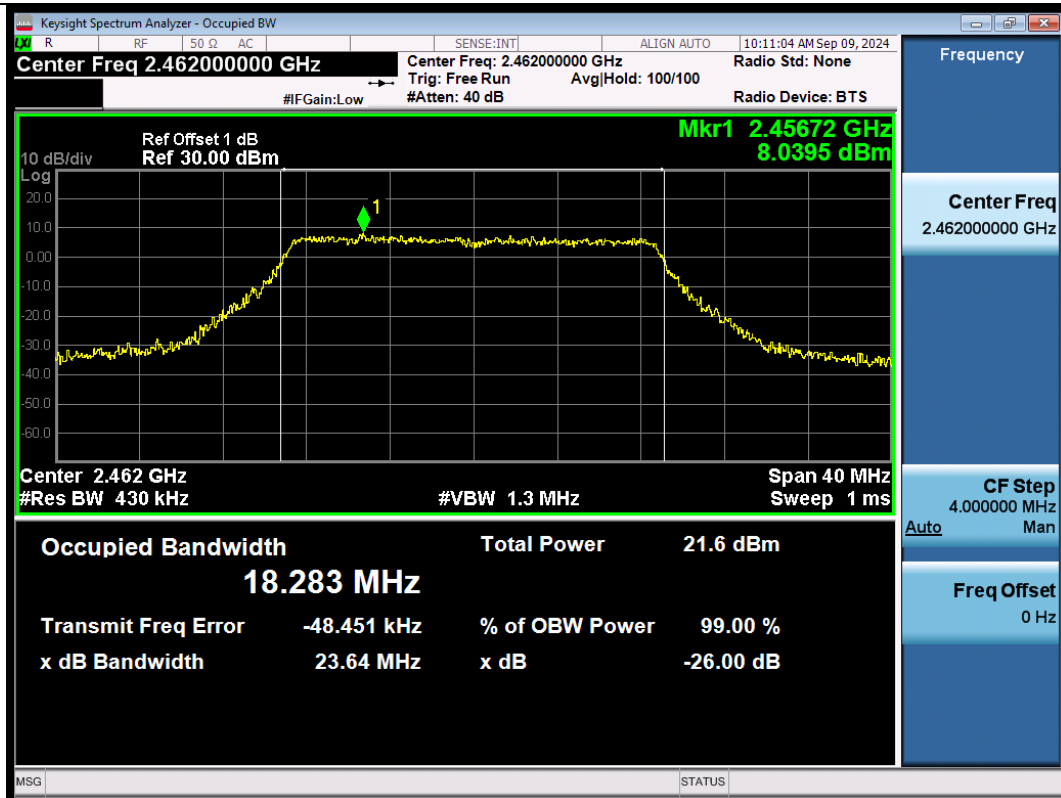
11G-Ant1-2462



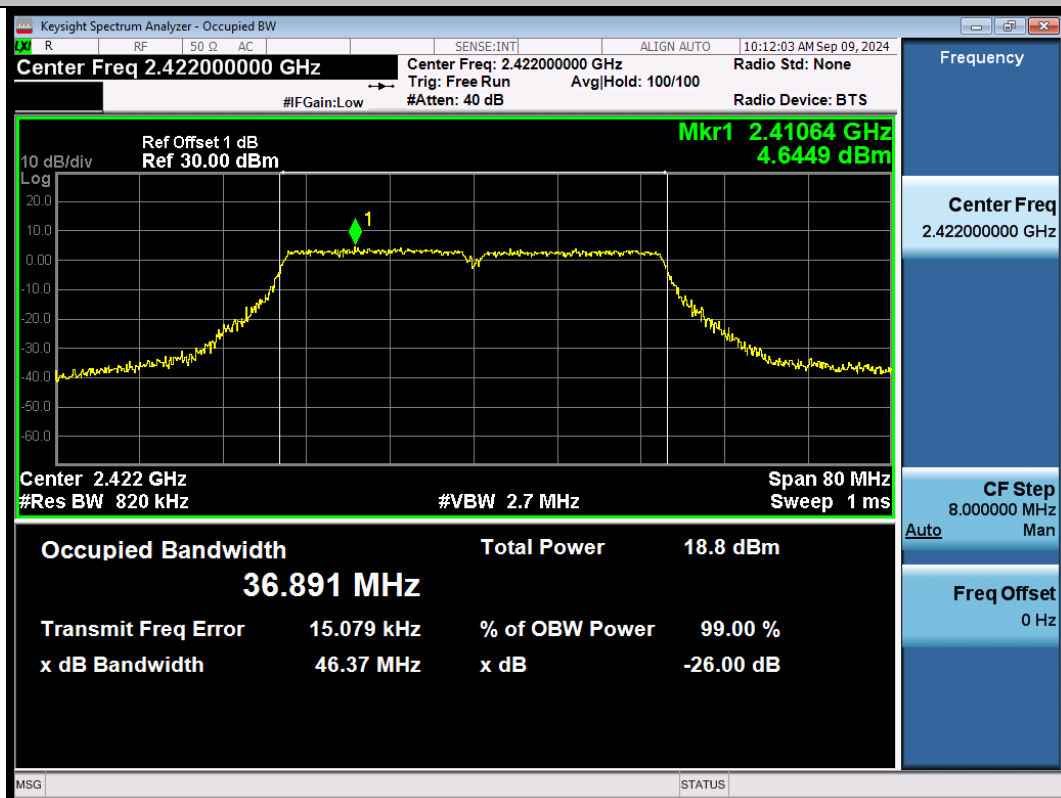
11N20SISO-Ant1-2412



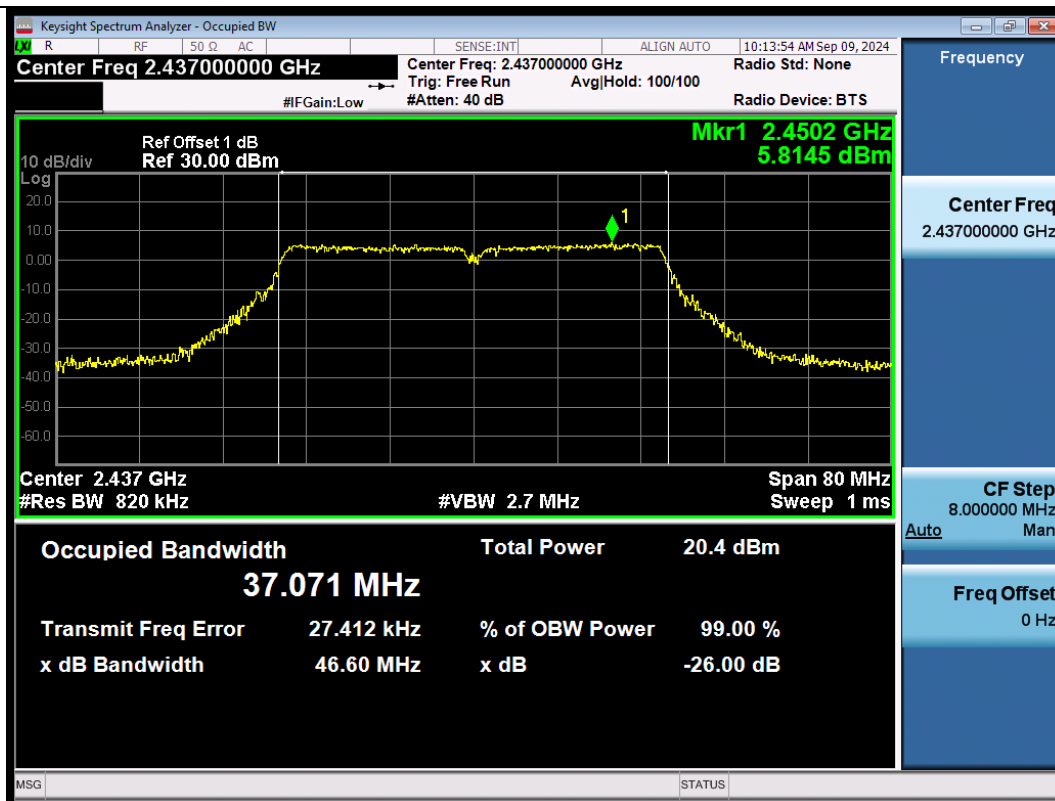
11N20SISO-Ant1-2437



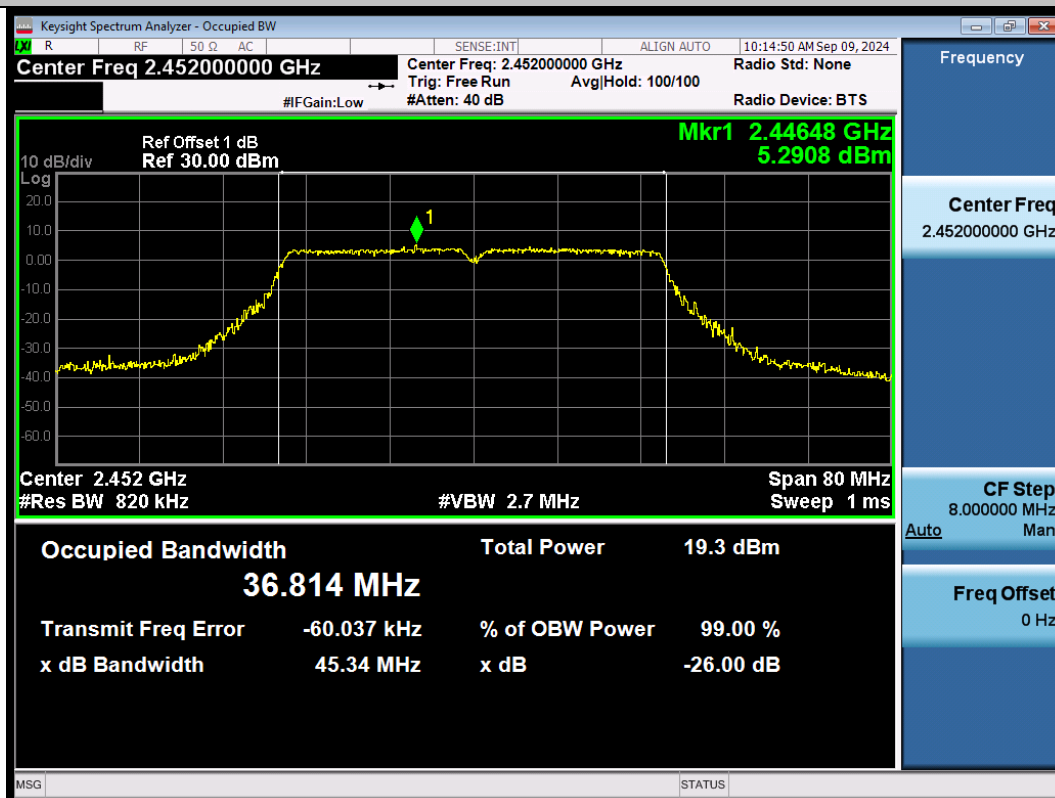
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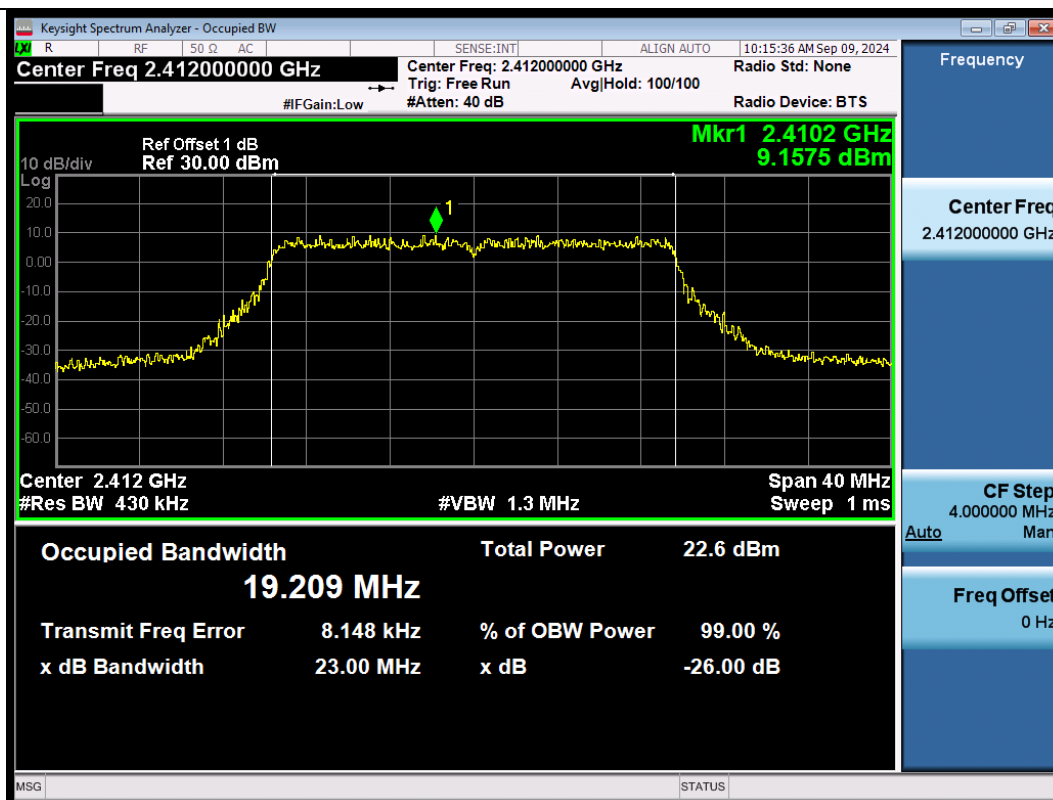
11N40SISO-Ant1-2422



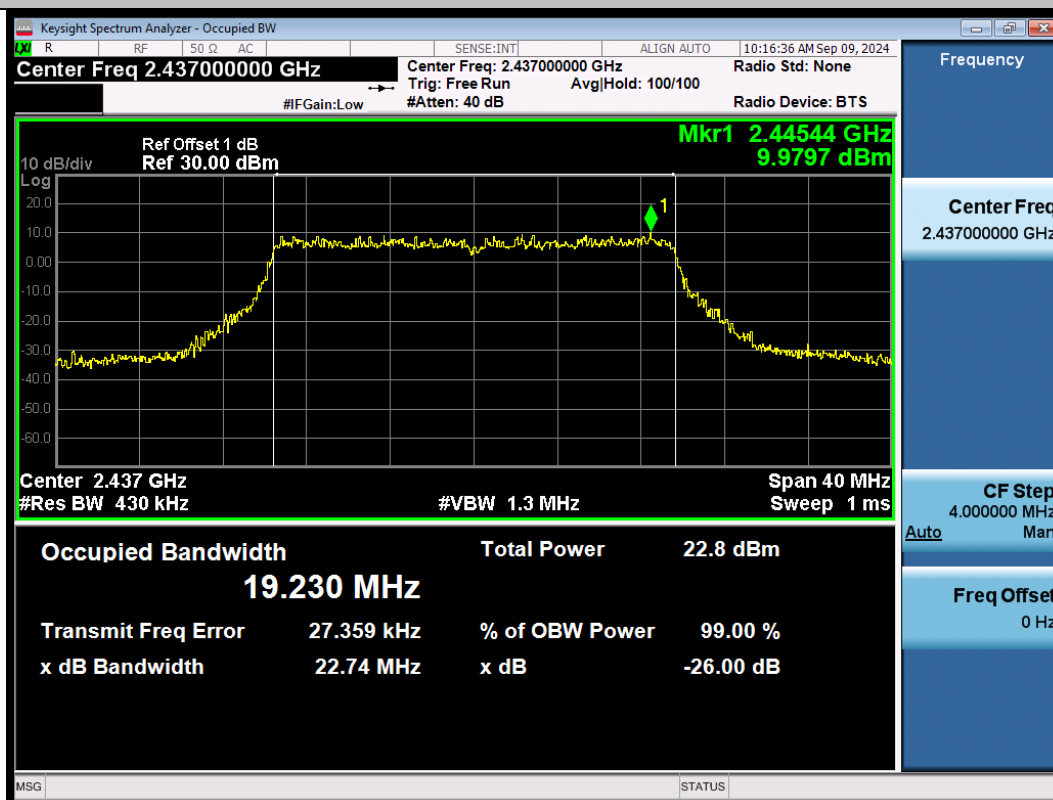
11N40SISO-Ant1-2437



11N40SISO-Ant1-2452



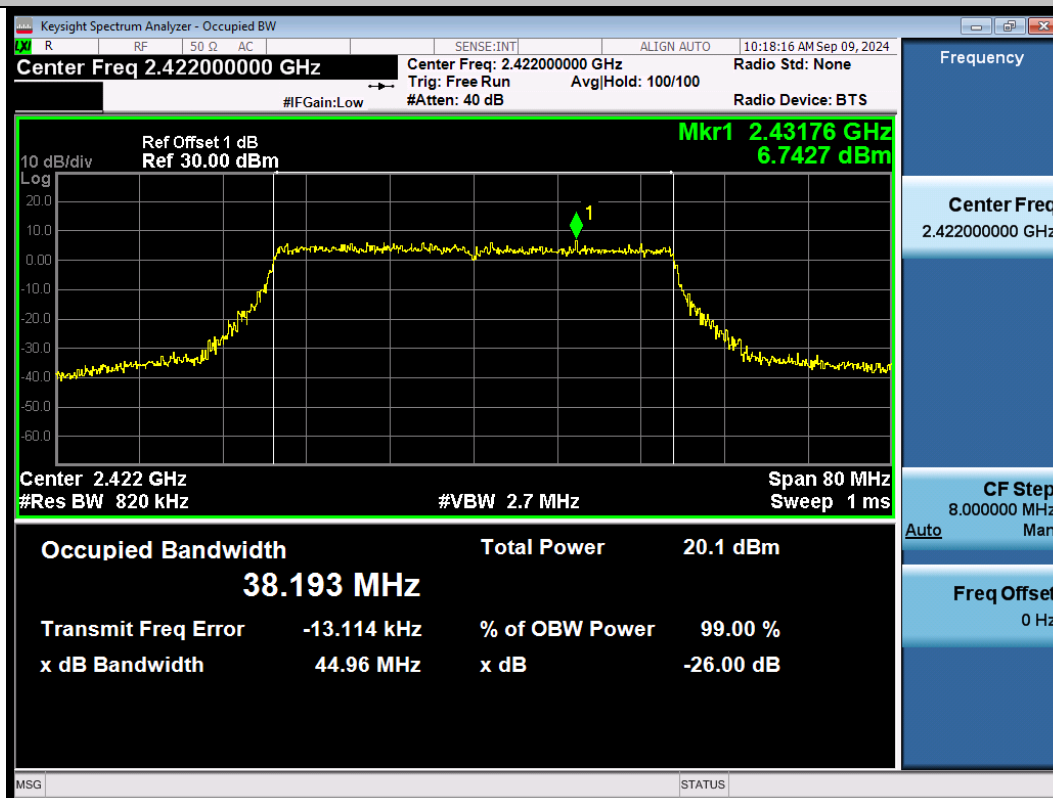
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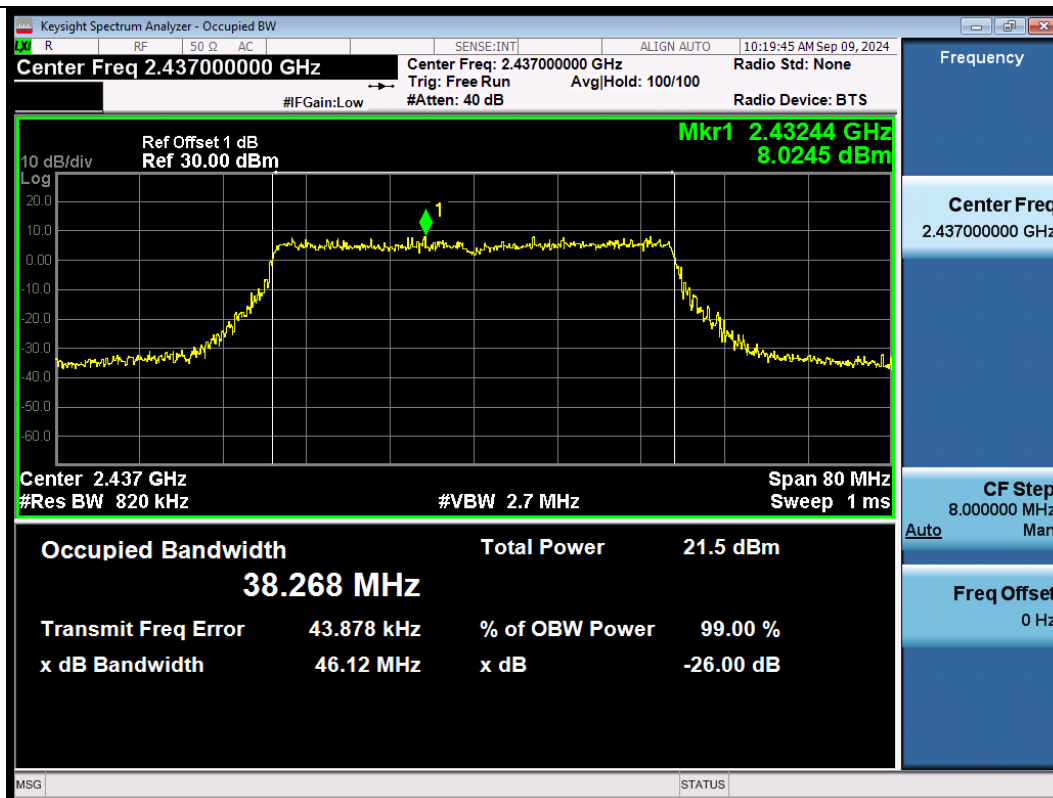
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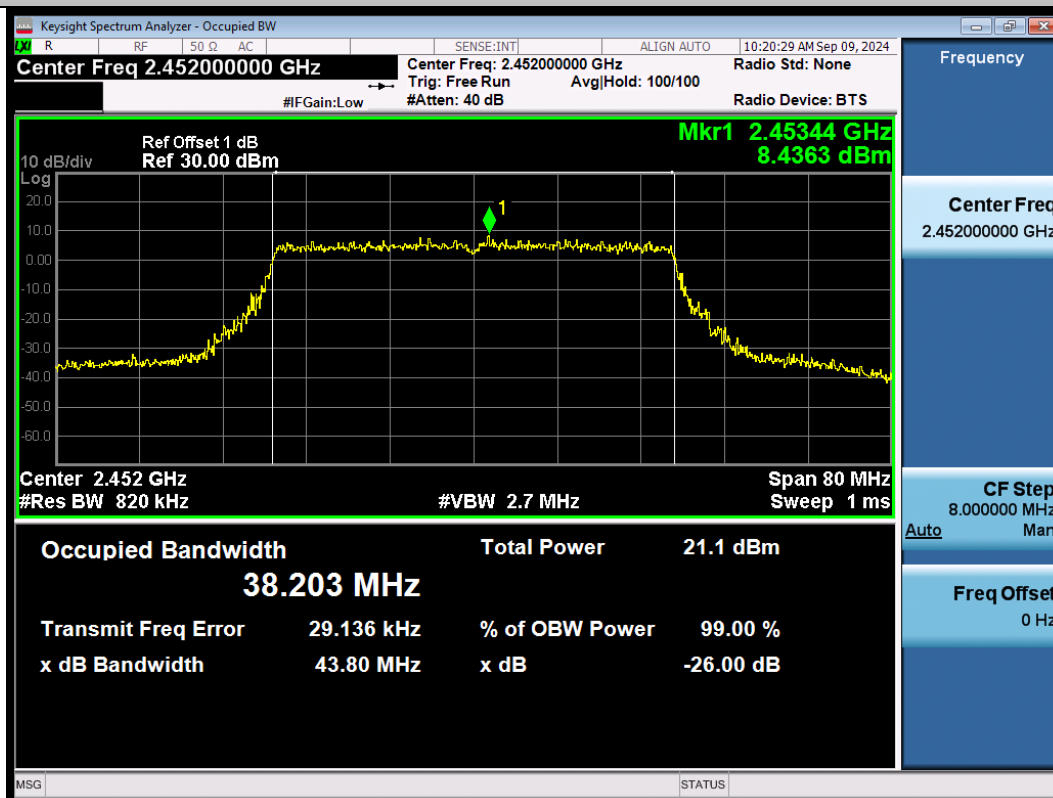
11AX20SISO-Ant1-2462



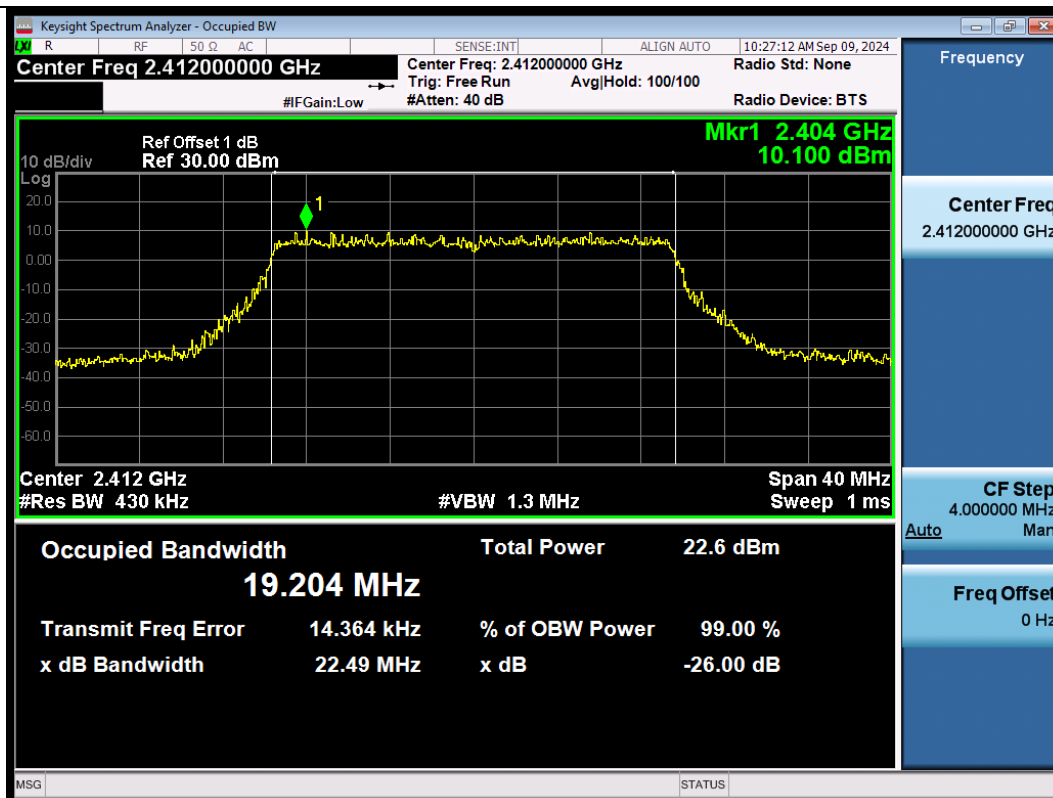
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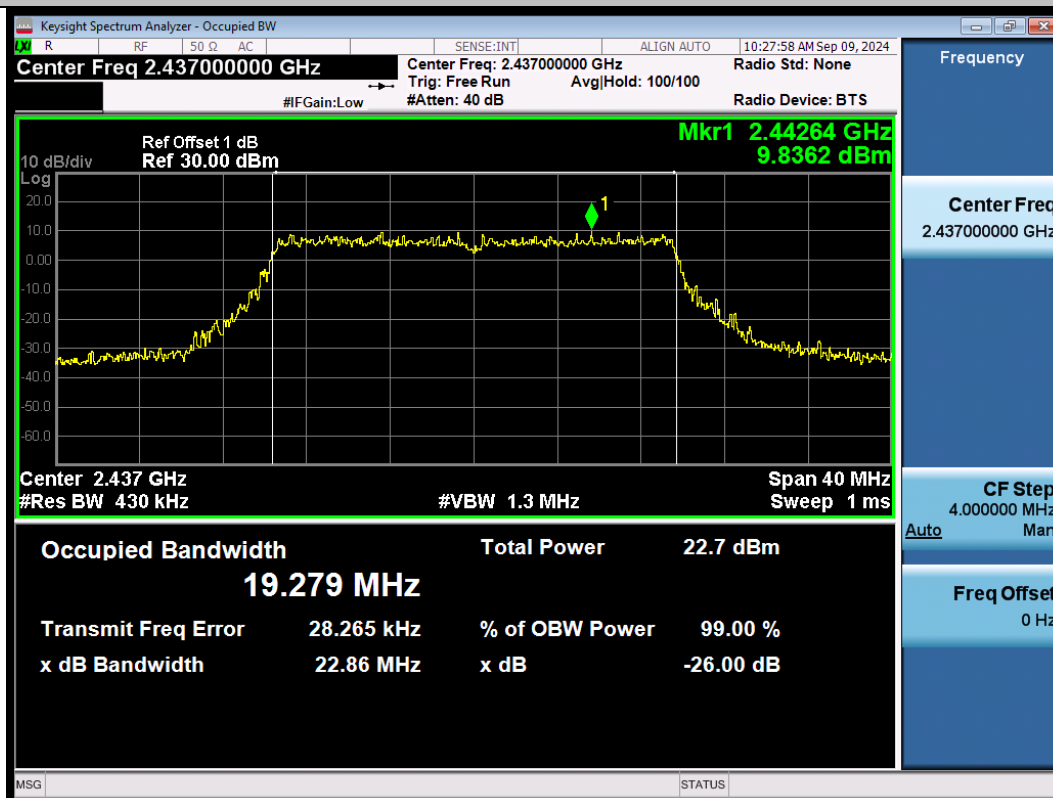
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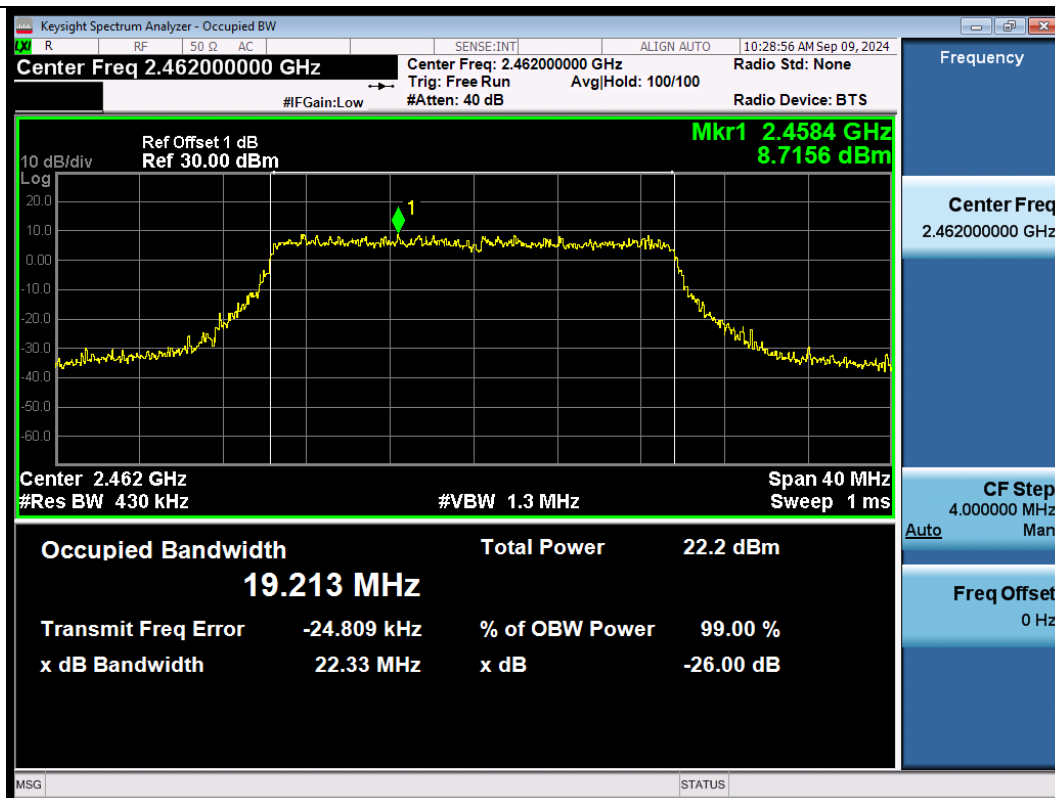
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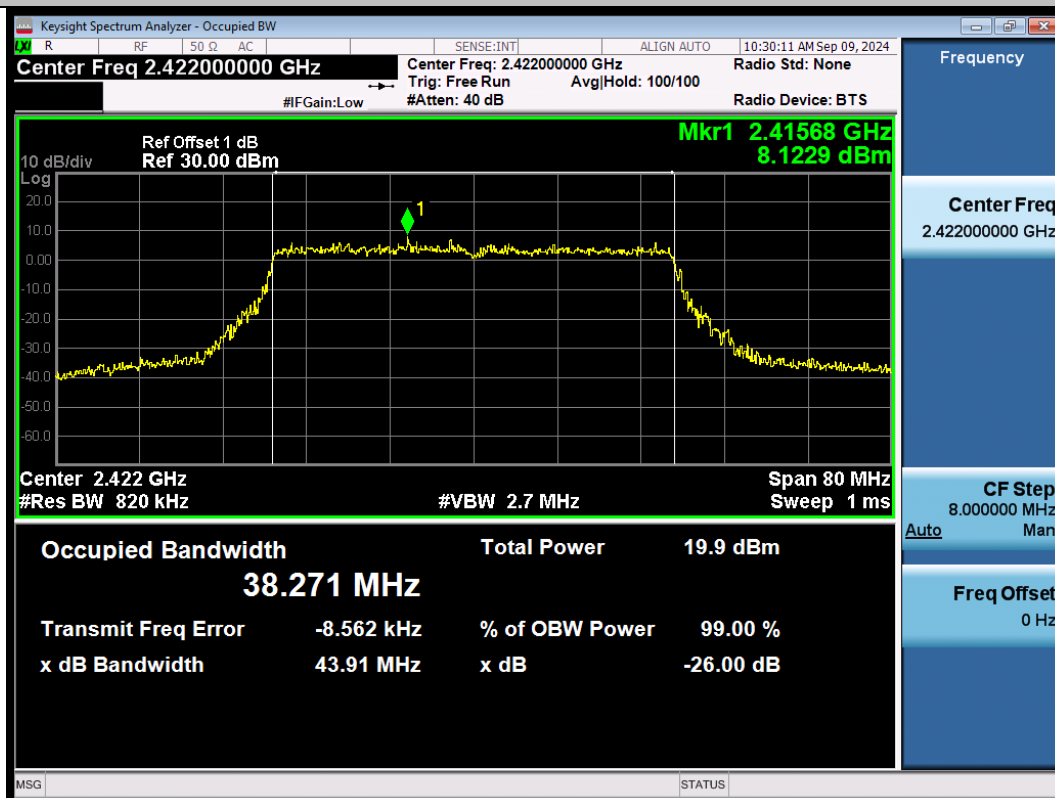
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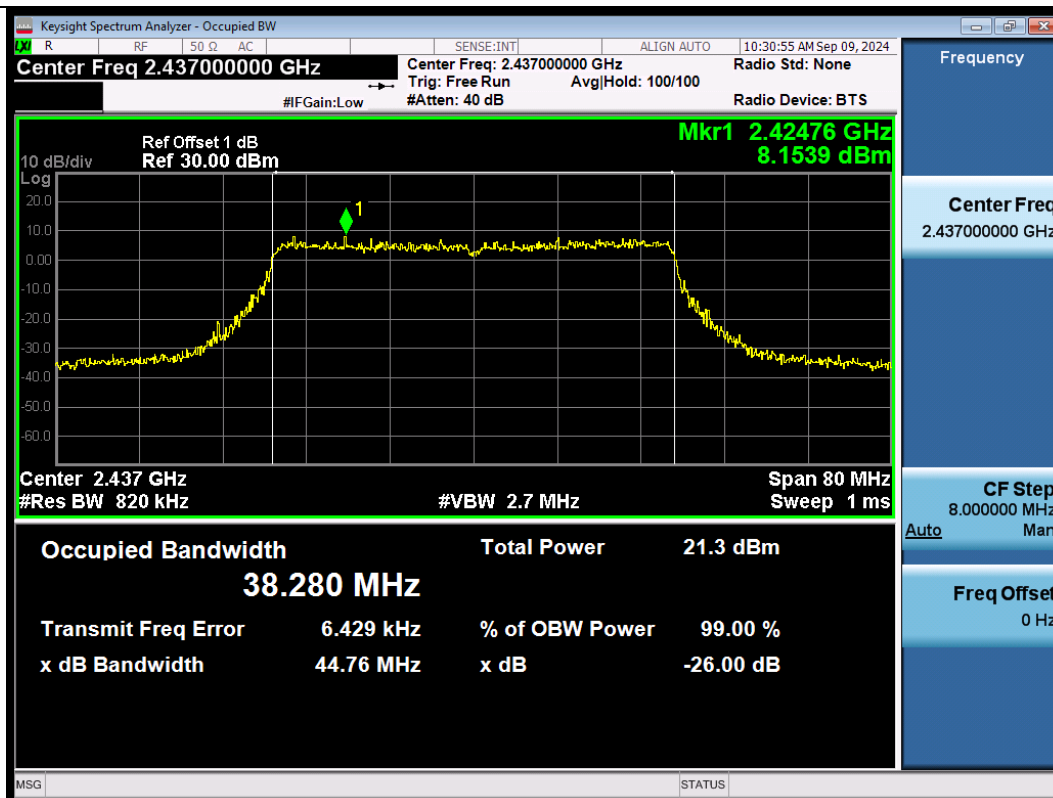
11BE20SISO-Ant1-2437



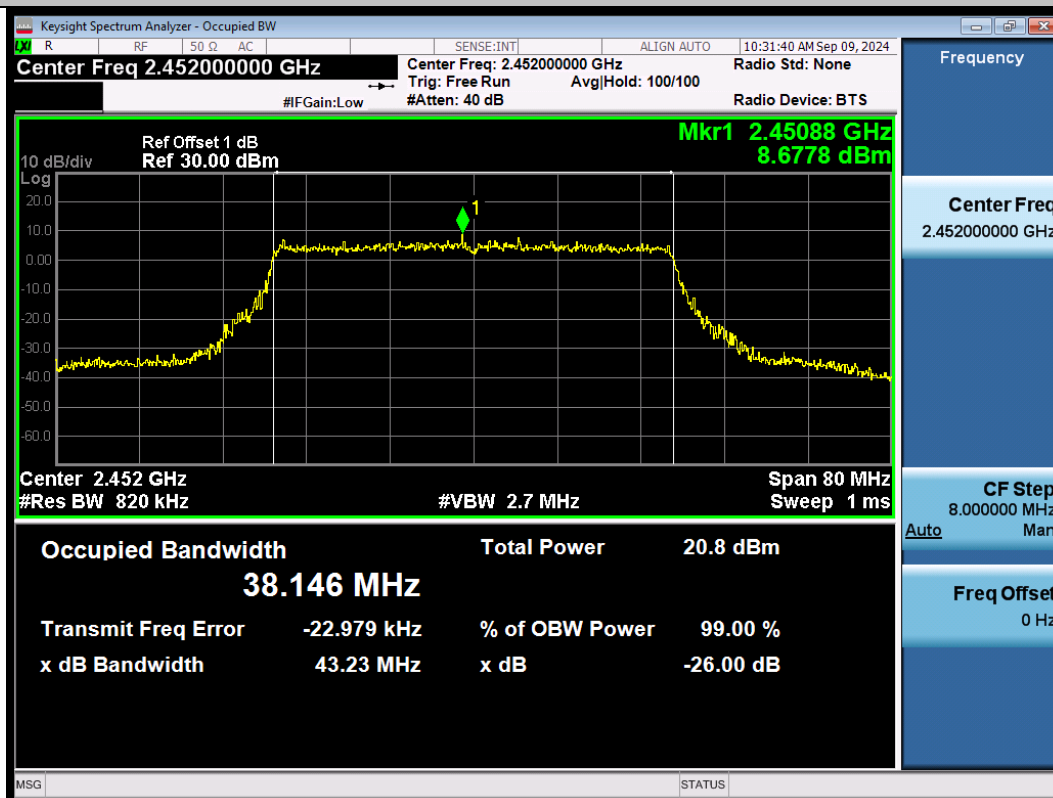
11BE20SISO-Ant1-2462



11BE40SISO-Ant1-2422



11BE40SISO-Ant1-2437



11BE40SISO-Ant1-2452

## Appendix C: Maximum conducted output power

| SISO:                                               |         |                      |                       |       |            |       |                             |                  |        |
|-----------------------------------------------------|---------|----------------------|-----------------------|-------|------------|-------|-----------------------------|------------------|--------|
| Mode                                                | Channel | Test Frequency (MHz) | Conducted Power (dBm) |       | EIRP (dBm) |       | Conducted Power Limit (dBm) | EIRP Limit (dBm) | Result |
|                                                     |         |                      | ANT1                  | ANT2  | ANT1       | ANT2  |                             |                  |        |
| Mode 1                                              | 1       | 2412                 | 16.41                 | 16.48 | 20.41      | 20.48 | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 17.50                 | 17.28 | 21.50      | 21.28 | ≤30                         | ≤36              | Pass   |
|                                                     | 11      | 2462                 | 16.93                 | 16.96 | 20.93      | 20.96 | ≤30                         | ≤36              | Pass   |
| Mode 2                                              | 1       | 2412                 | 16.98                 | 16.84 | 20.98      | 20.84 | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 18.17                 | 17.96 | 22.17      | 21.96 | ≤30                         | ≤36              | Pass   |
|                                                     | 11      | 2462                 | 17.55                 | 17.40 | 21.55      | 21.40 | ≤30                         | ≤36              | Pass   |
| Mode 3                                              | 1       | 2412                 | 15.77                 | 16.01 | 19.77      | 20.01 | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 16.17                 | 16.15 | 20.17      | 20.15 | ≤30                         | ≤36              | Pass   |
|                                                     | 11      | 2462                 | 15.40                 | 15.57 | 19.40      | 19.57 | ≤30                         | ≤36              | Pass   |
| Mode 4                                              | 3       | 2422                 | 11.85                 | 12.18 | 15.85      | 16.18 | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 13.42                 | 13.42 | 17.42      | 17.42 | ≤30                         | ≤36              | Pass   |
|                                                     | 9       | 2452                 | 12.32                 | 12.13 | 16.32      | 16.13 | ≤30                         | ≤36              | Pass   |
| Mode 5                                              | 1       | 2412                 | 15.25                 | 15.21 | 19.25      | 19.21 | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 15.36                 | 15.18 | 19.36      | 19.18 | ≤30                         | ≤36              | Pass   |
|                                                     | 11      | 2462                 | 15.04                 | 15.01 | 19.04      | 19.01 | ≤30                         | ≤36              | Pass   |
| Mode 6                                              | 3       | 2422                 | 12.33                 | 12.40 | 16.33      | 16.40 | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 13.72                 | 13.68 | 17.72      | 17.68 | ≤30                         | ≤36              | Pass   |
|                                                     | 9       | 2452                 | 13.32                 | 13.07 | 17.32      | 17.07 | ≤30                         | ≤36              | Pass   |
| Mode 7                                              | 1       | 2412                 | 15.40                 | 15.22 | 19.40      | 19.22 | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 15.40                 | 15.24 | 19.40      | 19.24 | ≤30                         | ≤36              | Pass   |
|                                                     | 11      | 2462                 | 15.11                 | 15.05 | 19.11      | 19.05 | ≤30                         | ≤36              | Pass   |
| Mode 8                                              | 3       | 2422                 | 12.15                 | 12.36 | 16.15      | 16.36 | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 13.53                 | 13.59 | 17.53      | 17.59 | ≤30                         | ≤36              | Pass   |
|                                                     | 9       | 2452                 | 13.23                 | 12.82 | 17.23      | 16.82 | ≤30                         | ≤36              | Pass   |
| Note 1: EIRP Power = Conducted Power + Antenna gain |         |                      |                       |       |            |       |                             |                  |        |
| Note 2: The Antenna gain please refer to clause 1.2 |         |                      |                       |       |            |       |                             |                  |        |

| CDD:                                                |         |                      |                       |       |        |            |                             |                  |        |
|-----------------------------------------------------|---------|----------------------|-----------------------|-------|--------|------------|-----------------------------|------------------|--------|
| Mode                                                | Channel | Test Frequency (MHz) | Conducted Power (dBm) |       |        | EIRP (dBm) | Conducted Power Limit (dBm) | EIRP Limit (dBm) | Result |
|                                                     |         |                      | ANT1                  | ANT2  | ANT1+2 |            |                             |                  |        |
| Mode 1                                              | 1       | 2412                 | 16.54                 | 16.50 | 19.53  | 23.53      | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 17.51                 | 17.19 | 20.36  | 24.36      | ≤30                         | ≤36              | Pass   |
|                                                     | 11      | 2462                 | 16.92                 | 17.07 | 20.01  | 24.01      | ≤30                         | ≤36              | Pass   |
| Mode 2                                              | 1       | 2412                 | 16.99                 | 16.91 | 19.96  | 23.96      | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 18.30                 | 17.91 | 21.12  | 25.12      | ≤30                         | ≤36              | Pass   |
|                                                     | 11      | 2462                 | 17.60                 | 17.42 | 20.52  | 24.52      | ≤30                         | ≤36              | Pass   |
| Mode 3                                              | 1       | 2412                 | 15.82                 | 15.97 | 18.91  | 22.91      | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 16.08                 | 16.16 | 19.13  | 23.13      | ≤30                         | ≤36              | Pass   |
|                                                     | 11      | 2462                 | 15.33                 | 15.50 | 18.43  | 22.43      | ≤30                         | ≤36              | Pass   |
| Mode 4                                              | 3       | 2422                 | 11.84                 | 12.11 | 14.99  | 18.99      | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 13.37                 | 13.30 | 16.35  | 20.35      | ≤30                         | ≤36              | Pass   |
|                                                     | 9       | 2452                 | 12.37                 | 11.97 | 15.18  | 19.18      | ≤30                         | ≤36              | Pass   |
| Mode 5                                              | 1       | 2412                 | 15.20                 | 15.29 | 18.26  | 22.26      | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 15.32                 | 15.26 | 18.30  | 22.30      | ≤30                         | ≤36              | Pass   |
|                                                     | 11      | 2462                 | 14.90                 | 15.03 | 17.98  | 21.98      | ≤30                         | ≤36              | Pass   |
| Mode 6                                              | 3       | 2422                 | 12.27                 | 12.46 | 15.38  | 19.38      | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 13.69                 | 13.71 | 16.71  | 20.71      | ≤30                         | ≤36              | Pass   |
|                                                     | 9       | 2452                 | 13.14                 | 13.16 | 16.16  | 20.16      | ≤30                         | ≤36              | Pass   |
| Mode 7                                              | 1       | 2412                 | 15.22                 | 15.29 | 18.27  | 22.27      | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 15.45                 | 15.35 | 18.41  | 22.41      | ≤30                         | ≤36              | Pass   |
|                                                     | 11      | 2462                 | 15.03                 | 15.03 | 18.04  | 22.04      | ≤30                         | ≤36              | Pass   |
| Mode 8                                              | 3       | 2422                 | 12.09                 | 12.23 | 15.17  | 19.17      | ≤30                         | ≤36              | Pass   |
|                                                     | 6       | 2437                 | 13.46                 | 13.59 | 16.54  | 20.54      | ≤30                         | ≤36              | Pass   |
|                                                     | 9       | 2452                 | 12.93                 | 12.89 | 15.92  | 19.92      | ≤30                         | ≤36              | Pass   |
| Note 1: EIRP Power = Conducted Power + Antenna gain |         |                      |                       |       |        |            |                             |                  |        |
| Note 2: The Antenna gain please refer to clause 1.2 |         |                      |                       |       |        |            |                             |                  |        |

| Beamforming:                                                                                                                                                                    |         |                      |                       |       |        |            |                             |                  |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------|-----------------------|-------|--------|------------|-----------------------------|------------------|--------|
| Mode                                                                                                                                                                            | Channel | Test Frequency (MHz) | Conducted Power (dBm) |       |        | EIRP (dBm) | Conducted Power Limit (dBm) | EIRP Limit (dBm) | Result |
|                                                                                                                                                                                 |         |                      | ANT1                  | ANT2  | ANT1+2 |            |                             |                  |        |
| Mode 3                                                                                                                                                                          | 1       | 2412                 | 12.79                 | 12.81 | 15.81  | 22.82      | ≤28.99                      | ≤36              | Pass   |
|                                                                                                                                                                                 | 6       | 2437                 | 12.82                 | 13.06 | 15.95  | 22.96      | ≤28.99                      | ≤36              | Pass   |
|                                                                                                                                                                                 | 11      | 2462                 | 12.32                 | 12.38 | 15.36  | 22.37      | ≤28.99                      | ≤36              | Pass   |
| Mode 4                                                                                                                                                                          | 3       | 2422                 | 8.82                  | 8.91  | 11.88  | 18.89      | ≤28.99                      | ≤36              | Pass   |
|                                                                                                                                                                                 | 6       | 2437                 | 10.07                 | 10.19 | 13.14  | 20.15      | ≤28.99                      | ≤36              | Pass   |
|                                                                                                                                                                                 | 9       | 2452                 | 9.21                  | 8.86  | 12.05  | 19.06      | ≤28.99                      | ≤36              | Pass   |
| Mode 5                                                                                                                                                                          | 1       | 2412                 | 11.94                 | 12.02 | 14.99  | 22.00      | ≤28.99                      | ≤36              | Pass   |
|                                                                                                                                                                                 | 6       | 2437                 | 12.19                 | 12.21 | 15.21  | 22.22      | ≤28.99                      | ≤36              | Pass   |
|                                                                                                                                                                                 | 11      | 2462                 | 11.96                 | 11.89 | 14.94  | 21.95      | ≤28.99                      | ≤36              | Pass   |
| Mode 6                                                                                                                                                                          | 3       | 2422                 | 9.16                  | 9.32  | 12.25  | 19.26      | ≤28.99                      | ≤36              | Pass   |
|                                                                                                                                                                                 | 6       | 2437                 | 10.52                 | 10.59 | 13.57  | 20.58      | ≤28.99                      | ≤36              | Pass   |
|                                                                                                                                                                                 | 9       | 2452                 | 10.12                 | 10.06 | 13.10  | 20.11      | ≤28.99                      | ≤36              | Pass   |
| Mode 7                                                                                                                                                                          | 1       | 2412                 | 12.09                 | 12.21 | 15.16  | 22.17      | ≤28.99                      | ≤36              | Pass   |
|                                                                                                                                                                                 | 6       | 2437                 | 12.12                 | 12.38 | 15.26  | 22.27      | ≤28.99                      | ≤36              | Pass   |
|                                                                                                                                                                                 | 11      | 2462                 | 12.04                 | 11.91 | 14.99  | 22.00      | ≤28.99                      | ≤36              | Pass   |
| Mode 8                                                                                                                                                                          | 3       | 2422                 | 9.01                  | 9.12  | 12.08  | 19.09      | ≤28.99                      | ≤36              | Pass   |
|                                                                                                                                                                                 | 6       | 2437                 | 10.21                 | 10.38 | 13.31  | 20.32      | ≤28.99                      | ≤36              | Pass   |
|                                                                                                                                                                                 | 9       | 2452                 | 9.92                  | 9.79  | 12.87  | 19.88      | ≤28.99                      | ≤36              | Pass   |
| Note 1: Conducted Power Limit = 30dBm - (7.01-6.0)dBi = 28.99 dBm<br>Note 2: EIRP Power = Conducted Power + Antenna gain<br>Note 3: The Antenna gain please refer to clause 1.2 |         |                      |                       |       |        |            |                             |                  |        |

## Appendix D: Maximum power spectral density

| SISO:                                                                                |         |                |                  |                 |         |
|--------------------------------------------------------------------------------------|---------|----------------|------------------|-----------------|---------|
| TestMode                                                                             | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
| 11B                                                                                  | Ant1    | 2412           | -11.91           | ≤8.00           | PASS    |
| 11B                                                                                  | Ant1    | 2437           | -10.62           | ≤8.00           | PASS    |
| 11B                                                                                  | Ant1    | 2462           | -11.26           | ≤8.00           | PASS    |
| 11G                                                                                  | Ant1    | 2412           | -12.18           | ≤8.00           | PASS    |
| 11G                                                                                  | Ant1    | 2437           | -11.73           | ≤8.00           | PASS    |
| 11G                                                                                  | Ant1    | 2462           | -12.31           | ≤8.00           | PASS    |
| 11N20SISO                                                                            | Ant1    | 2412           | -14.98           | ≤8.00           | PASS    |
| 11N20SISO                                                                            | Ant1    | 2437           | -14.07           | ≤8.00           | PASS    |
| 11N20SISO                                                                            | Ant1    | 2462           | -14.92           | ≤8.00           | PASS    |
| 11N40SISO                                                                            | Ant1    | 2422           | -16.85           | ≤8.00           | PASS    |
| 11N40SISO                                                                            | Ant1    | 2437           | -17.17           | ≤8.00           | PASS    |
| 11N40SISO                                                                            | Ant1    | 2452           | -16.45           | ≤8.00           | PASS    |
| 11AX20SISO                                                                           | Ant1    | 2412           | -20.12           | ≤8.00           | PASS    |
| 11AX20SISO                                                                           | Ant1    | 2437           | -19.68           | ≤8.00           | PASS    |
| 11AX20SISO                                                                           | Ant1    | 2462           | -20.05           | ≤8.00           | PASS    |
| 11AX40SISO                                                                           | Ant1    | 2422           | -26.03           | ≤8.00           | PASS    |
| 11AX40SISO                                                                           | Ant1    | 2437           | -24.72           | ≤8.00           | PASS    |
| 11AX40SISO                                                                           | Ant1    | 2452           | -25.14           | ≤8.00           | PASS    |
| 11BE20SISO                                                                           | Ant1    | 2412           | -19.53           | ≤8.00           | PASS    |
| 11BE20SISO                                                                           | Ant1    | 2437           | -19.70           | ≤8.00           | PASS    |
| 11BE20SISO                                                                           | Ant1    | 2462           | -19.76           | ≤8.00           | PASS    |
| 11BE40SISO                                                                           | Ant1    | 2422           | -26.19           | ≤8.00           | PASS    |
| 11BE40SISO                                                                           | Ant1    | 2437           | -25.74           | ≤8.00           | PASS    |
| 11BE40SISO                                                                           | Ant1    | 2452           | -26.21           | ≤8.00           | PASS    |
| Note1: Both of two chains are tested and only the worst chain of the PSD was showed. |         |                |                  |                 |         |
| CDD:                                                                                 |         |                |                  |                 |         |
| TestMode                                                                             | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
| 11B CDD                                                                              | Ant1+2  | 2412           | -8.90            | ≤6.99           | PASS    |
| 11B CDD                                                                              | Ant1+2  | 2437           | -7.61            | ≤6.99           | PASS    |
| 11B CDD                                                                              | Ant1+2  | 2462           | -8.25            | ≤6.99           | PASS    |
| 11G CDD                                                                              | Ant1+2  | 2412           | -9.17            | ≤6.99           | PASS    |
| 11G CDD                                                                              | Ant1+2  | 2437           | -8.72            | ≤6.99           | PASS    |
| 11G CDD                                                                              | Ant1+2  | 2462           | -9.30            | ≤6.99           | PASS    |
| 11N20 CDD                                                                            | Ant1+2  | 2412           | -11.97           | ≤6.99           | PASS    |
| 11N20 CDD                                                                            | Ant1+2  | 2437           | -11.06           | ≤6.99           | PASS    |
| 11N20 CDD                                                                            | Ant1+2  | 2462           | -11.91           | ≤6.99           | PASS    |
| 11N40 CDD                                                                            | Ant1+2  | 2422           | -13.84           | ≤6.99           | PASS    |
| 11N40 CDD                                                                            | Ant1+2  | 2437           | -14.16           | ≤6.99           | PASS    |
| 11N40 CDD                                                                            | Ant1+2  | 2452           | -13.44           | ≤6.99           | PASS    |
| 11AX20 CDD                                                                           | Ant1+2  | 2412           | -17.11           | ≤6.99           | PASS    |
| 11AX20 CDD                                                                           | Ant1+2  | 2437           | -16.67           | ≤6.99           | PASS    |
| 11AX20 CDD                                                                           | Ant1+2  | 2462           | -17.04           | ≤6.99           | PASS    |
| 11AX40 CDD                                                                           | Ant1+2  | 2422           | -23.02           | ≤6.99           | PASS    |
| 11AX40 CDD                                                                           | Ant1+2  | 2437           | -21.71           | ≤6.99           | PASS    |

|            |        |      |        |       |      |
|------------|--------|------|--------|-------|------|
| 11AX40 CDD | Ant1+2 | 2452 | -25.14 | ≤6.99 | PASS |
| 11BE20 CDD | Ant1+2 | 2412 | -16.52 | ≤6.99 | PASS |
| 11BE20 CDD | Ant1+2 | 2437 | -16.69 | ≤6.99 | PASS |
| 11BE20 CDD | Ant1+2 | 2462 | -16.75 | ≤6.99 | PASS |
| 11BE40 CDD | Ant1+2 | 2422 | -23.18 | ≤6.99 | PASS |
| 11BE40 CDD | Ant1+2 | 2437 | -22.73 | ≤6.99 | PASS |
| 11BE40 CDD | Ant1+2 | 2452 | -23.20 | ≤6.99 | PASS |

Note 1: PSD Limit = 8dBm/3kHz - (Antenna Gain - 6 ).

Note 2: The Antenna gain please refer to clause 1.2.

#### Beamforming :

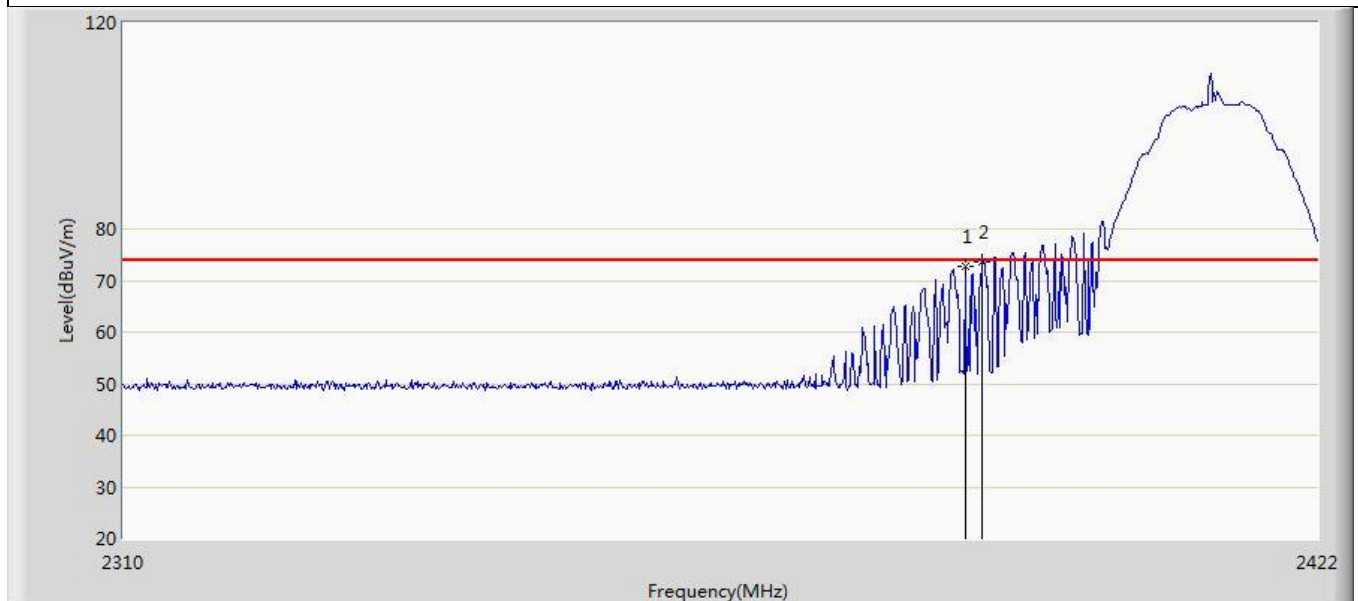
| TestMode  | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|------------------|-----------------|---------|
| 11N20 BF  | Ant1+2  | 2412           | -11.93           | ≤3.98           | PASS    |
| 11N20 BF  | Ant1+2  | 2437           | -11.01           | ≤3.98           | PASS    |
| 11N20 BF  | Ant1+2  | 2462           | -11.79           | ≤3.98           | PASS    |
| 11N40 BF  | Ant1+2  | 2422           | -13.69           | ≤3.98           | PASS    |
| 11N40 BF  | Ant1+2  | 2437           | -14.12           | ≤3.98           | PASS    |
| 11N40 BF  | Ant1+2  | 2452           | -13.29           | ≤3.98           | PASS    |
| 11AX20 BF | Ant1+2  | 2412           | -17.01           | ≤3.98           | PASS    |
| 11AX20 BF | Ant1+2  | 2437           | -16.59           | ≤3.98           | PASS    |
| 11AX20 BF | Ant1+2  | 2462           | -17.01           | ≤3.98           | PASS    |
| 11AX40 BF | Ant1+2  | 2422           | -23.06           | ≤3.98           | PASS    |
| 11AX40 BF | Ant1+2  | 2437           | -21.55           | ≤3.98           | PASS    |
| 11AX40 BF | Ant1+2  | 2452           | -25.09           | ≤3.98           | PASS    |
| 11BE20 BF | Ant1+2  | 2412           | -16.42           | ≤3.98           | PASS    |
| 11BE20 BF | Ant1+2  | 2437           | -16.63           | ≤3.98           | PASS    |
| 11BE20 BF | Ant1+2  | 2462           | -16.71           | ≤3.98           | PASS    |
| 11BE40 BF | Ant1+2  | 2422           | -23.12           | ≤3.98           | PASS    |
| 11BE40 BF | Ant1+2  | 2437           | -22.66           | ≤3.98           | PASS    |
| 11BE40 BF | Ant1+2  | 2452           | -23.16           | ≤3.98           | PASS    |

Note 1: PSD Limit = 8dBm/3kHz - (Antenna Gain - 6 ).

Note 2: The Antenna gain please refer to clause 1.2.

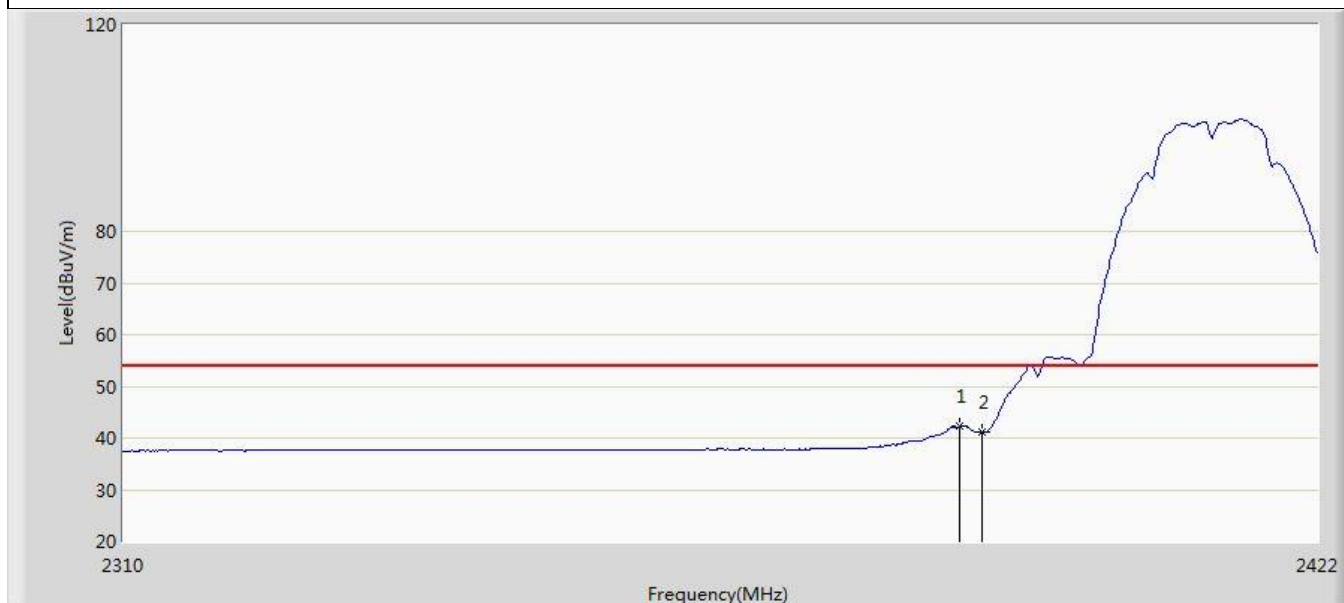
## Appendix E: Band edge measurements

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 1              |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/02 - 11:15 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 1 : Transmit at 2412MHz by 802.11b                        |                          |



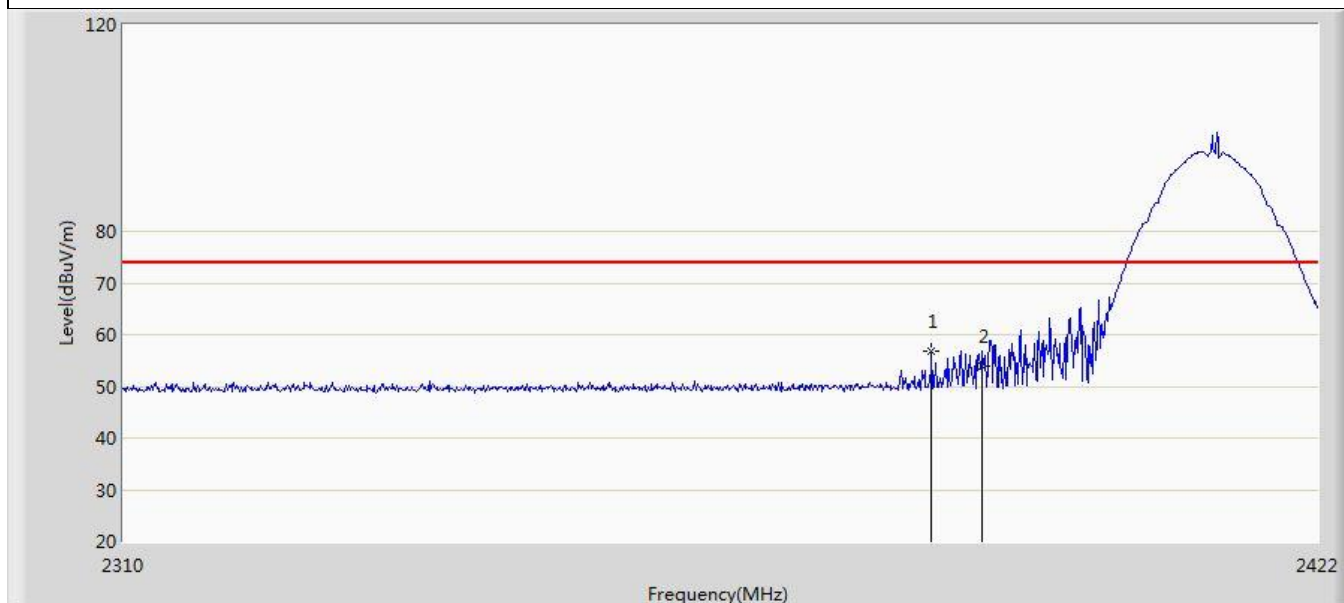
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2388.400        | 72.677                 | 38.533               | -1.323          | 74.000         | 34.144      | PK   |
| 2  | *    | 2390.000        | 73.528                 | 39.377               | -0.472          | 74.000         | 34.151      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 2              |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:16 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 1 : Transmit at 2412MHz by 802.11b                        |                          |



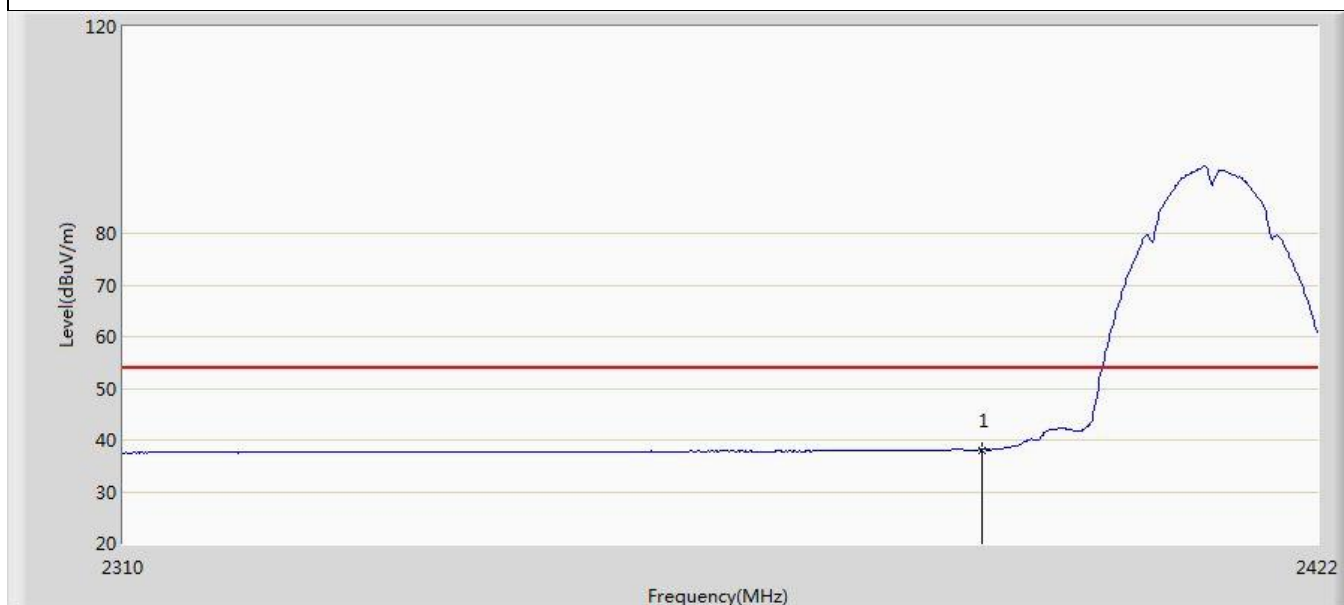
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2387.952        | 42.232                 | 8.090                | -11.768         | 54.000         | 34.142      | AV   |
| 2  |      | 2390.000        | 41.103                 | 6.952                | -12.897         | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 3              |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:18 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 1 : Transmit at 2412MHz by 802.11b                        |                          |



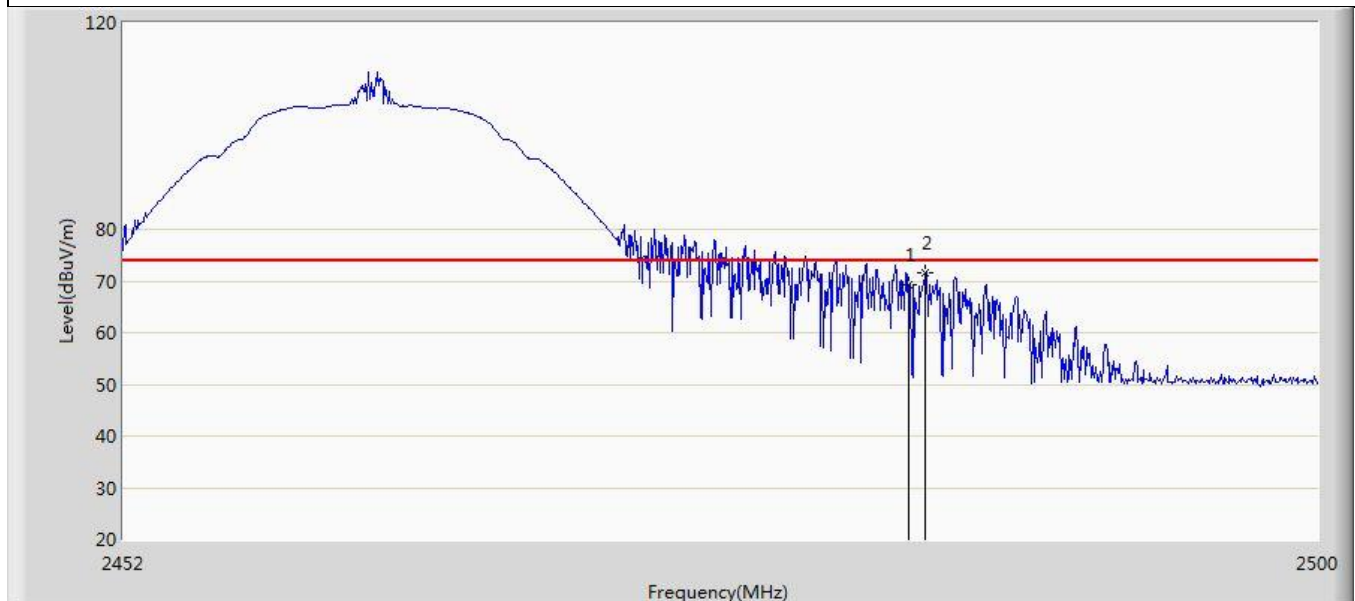
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2385.264        | 56.832                 | 22.702               | -17.168         | 74.000         | 34.131      | PK   |
| 2  |      | 2390.000        | 53.879                 | 19.728               | -20.121         | 74.000         | 34.151      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 4              |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:20 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 1 : Transmit at 2412MHz by 802.11b                        |                          |



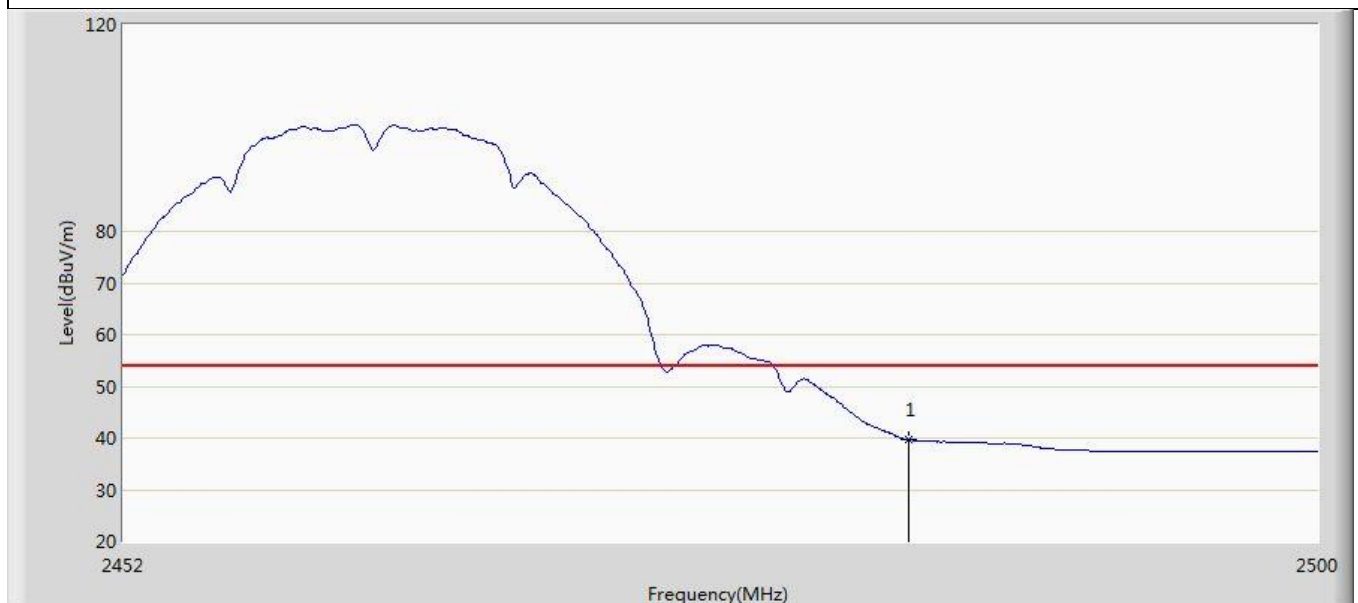
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 38.099                 | 3.948                | -15.901         | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 5              |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:24 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 1 : Transmit at 2462MHz by 802.11b                        |                          |



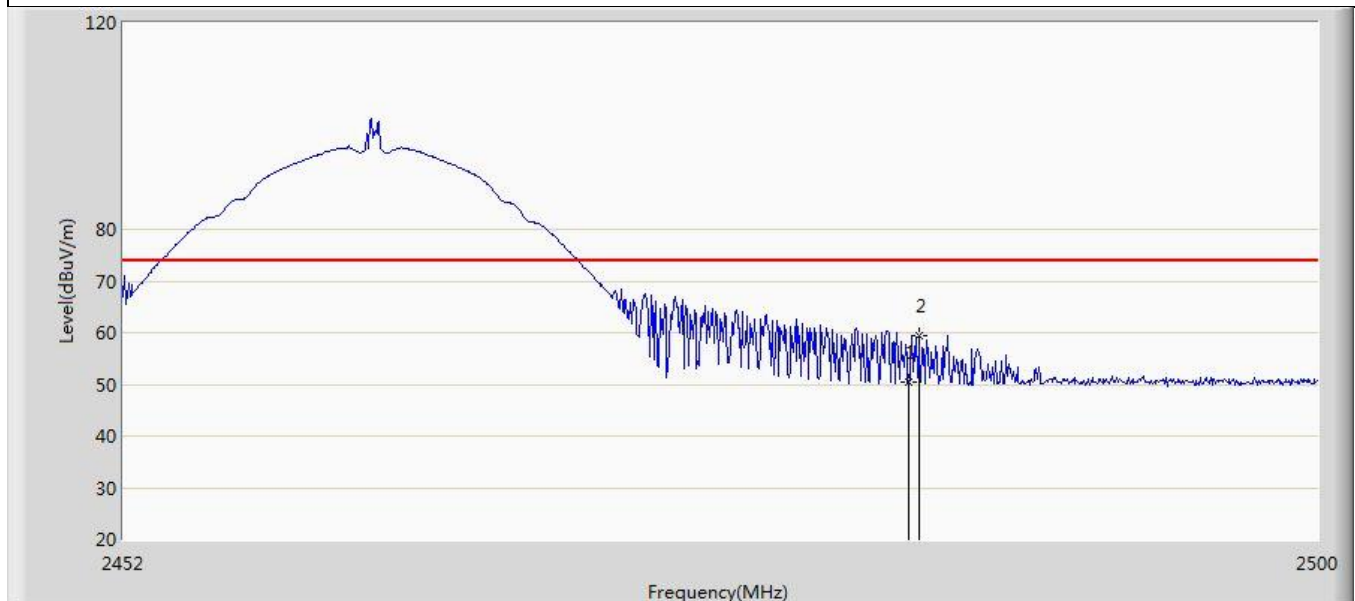
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2483.500        | 69.221                 | 34.765               | -4.779          | 74.000         | 34.456      | PK   |
| 2  | *    | 2484.160        | 71.738                 | 37.275               | -2.262          | 74.000         | 34.463      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 6              |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:26 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 1 : Transmit at 2462MHz by 802.11b                        |                          |



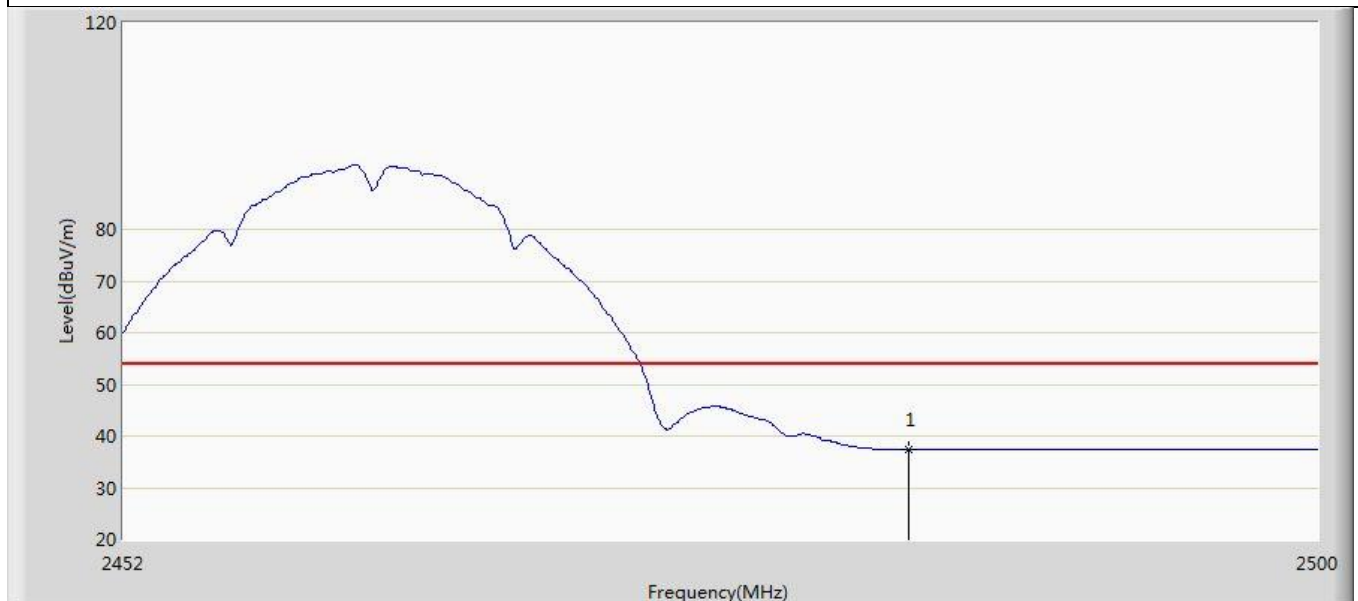
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 39.676                 | 5.220                | -14.324         | 54.000         | 34.456      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 7              |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:28 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 1 : Transmit at 2462MHz by 802.11b                        |                          |



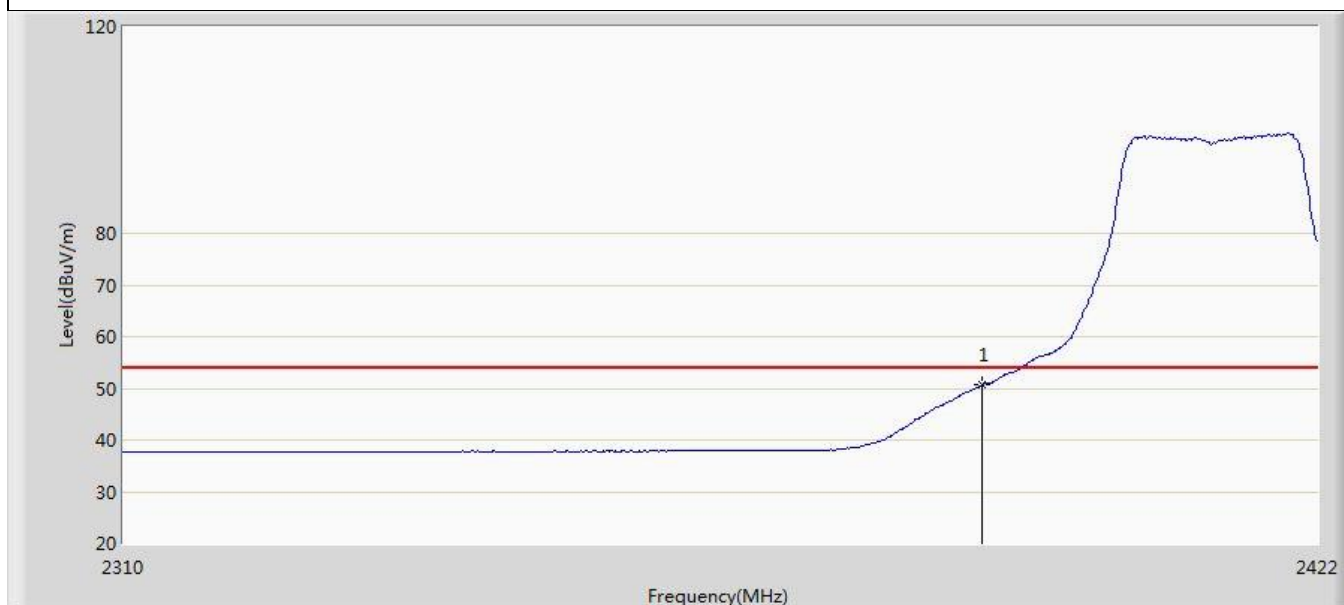
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2483.500        | 50.349                 | 15.893               | -23.651         | 74.000         | 34.456      | PK   |
| 2  | *    | 2483.872        | 59.403                 | 24.943               | -14.597         | 74.000         | 34.459      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 8              |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:30 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 1 : Transmit at 2462MHz by 802.11b                        |                          |



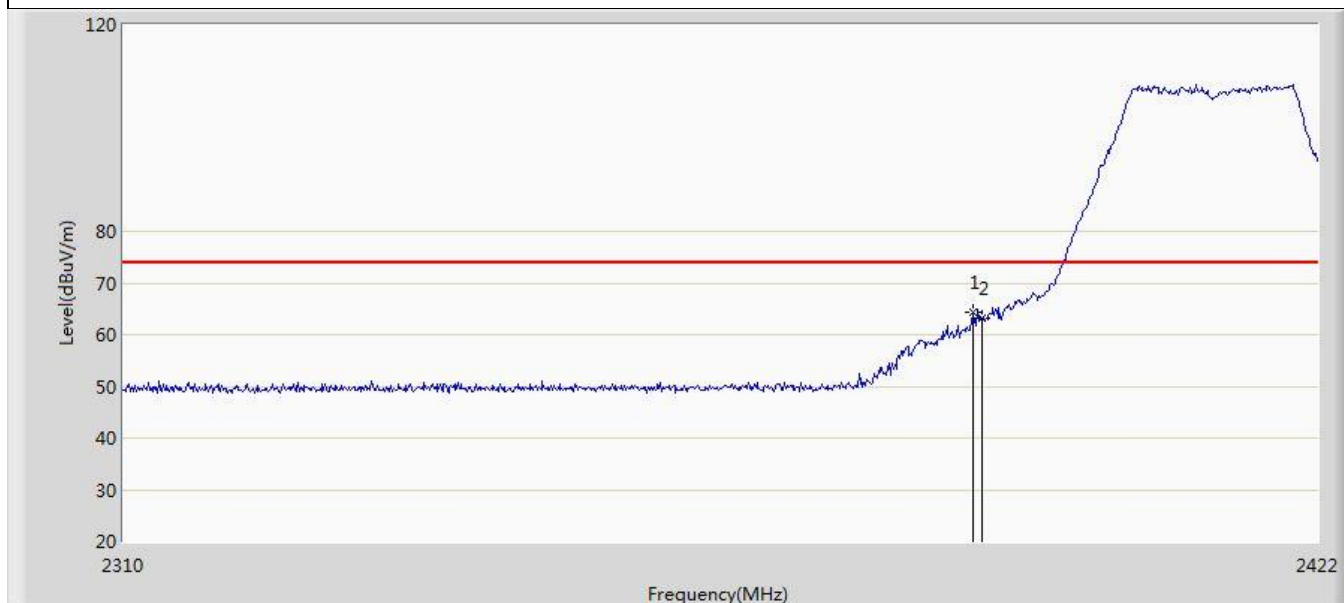
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 37.329                 | 2.873                | -16.671         | 54.000         | 34.456      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 9              |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:31 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 2 : Transmit at 2412MHz by 802.11g                        |                          |



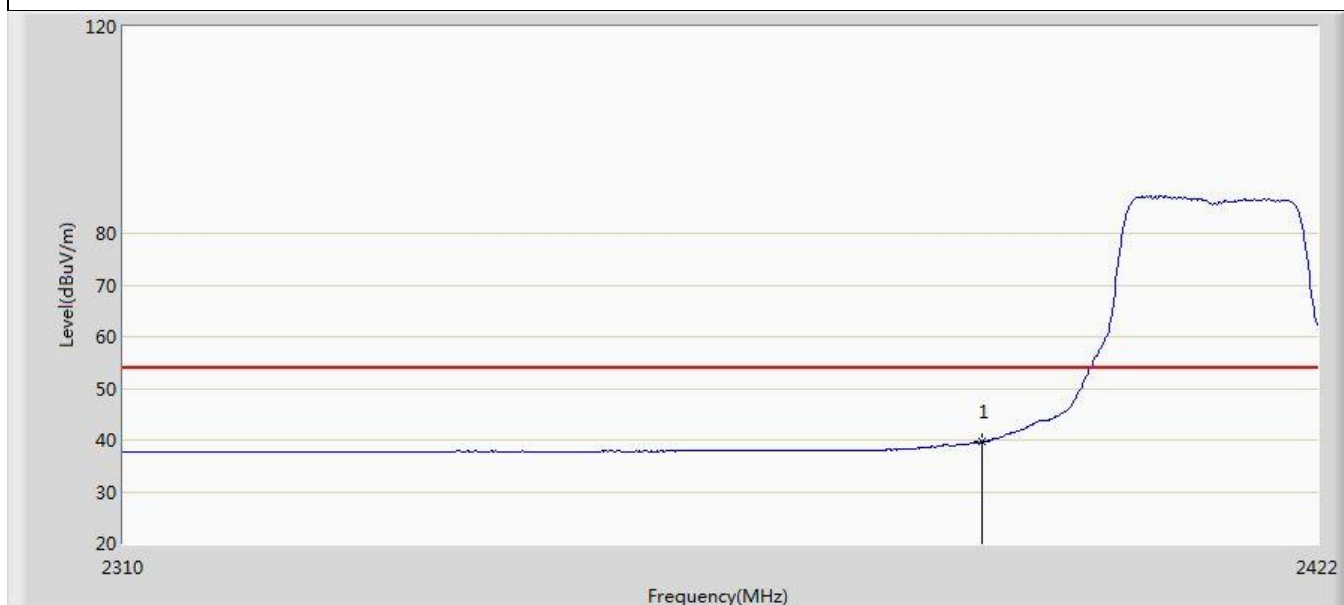
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 50.594                 | 16.443               | -3.406          | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 10             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:44 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 2 : Transmit at 2412MHz by 802.11g                        |                          |



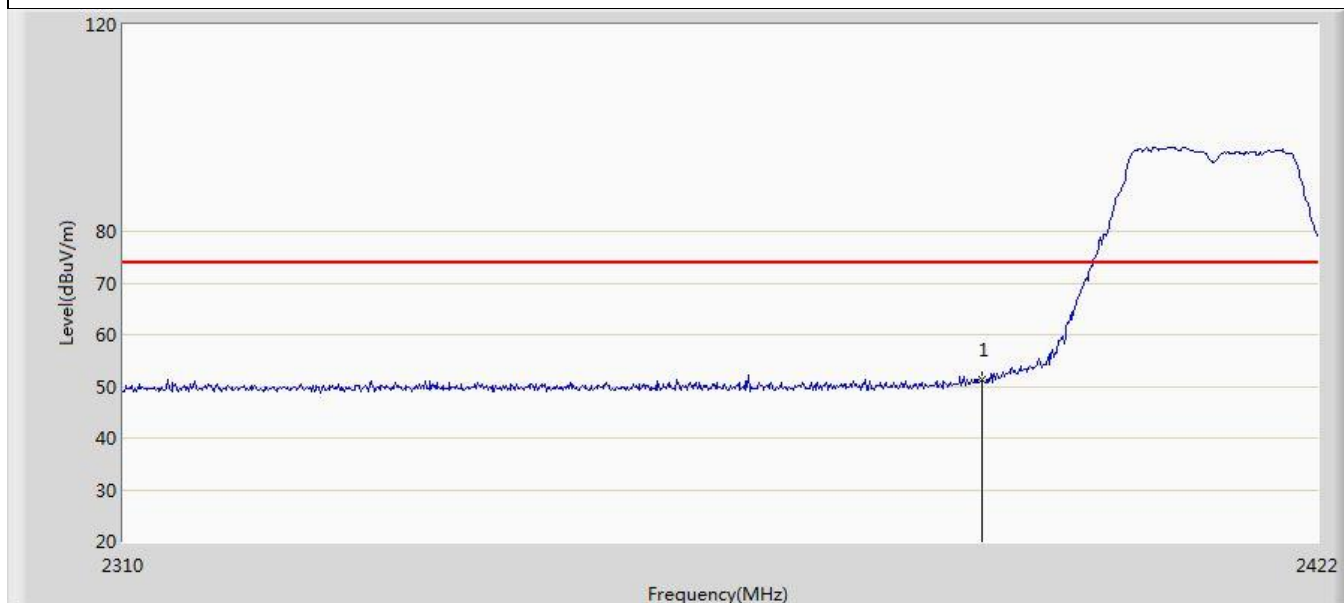
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2389.184        | 64.327                 | 30.180               | -9.673          | 74.000         | 34.147      | PK   |
| 2  |      | 2390.000        | 63.153                 | 29.002               | -10.847         | 74.000         | 34.151      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 11             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:45 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 2 : Transmit at 2412MHz by 802.11g                        |                          |



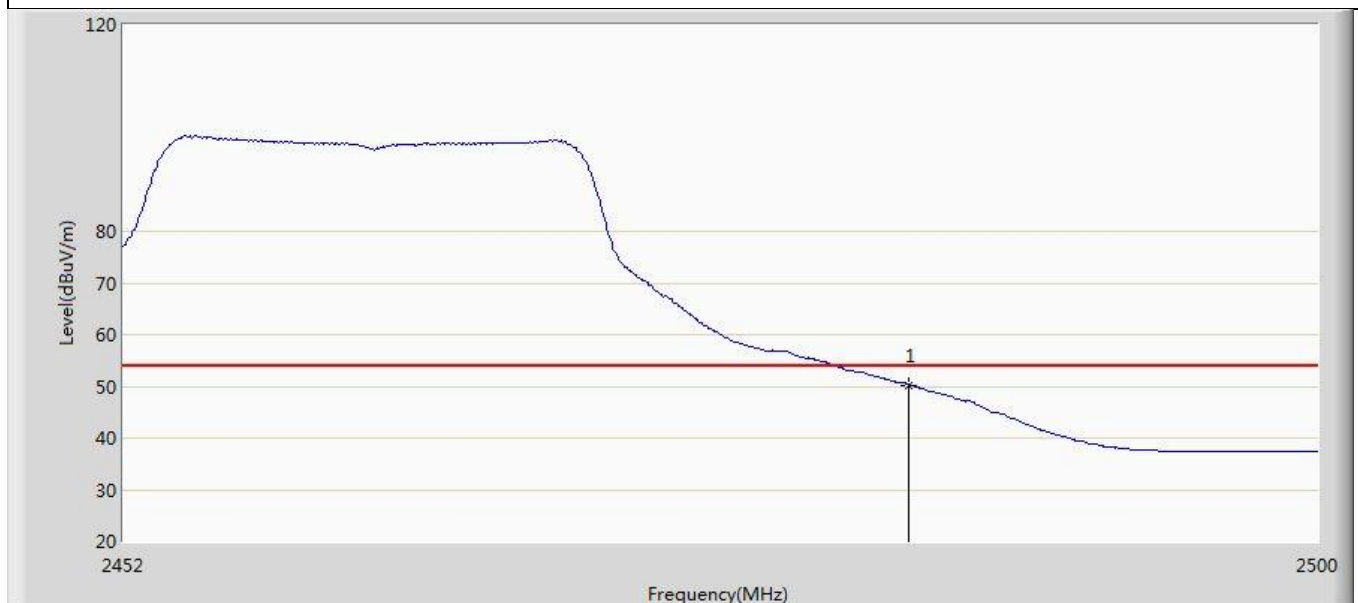
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 39.639                 | 5.488                | -14.361         | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 12             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:47 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 2 : Transmit at 2412MHz by 802.11g                        |                          |



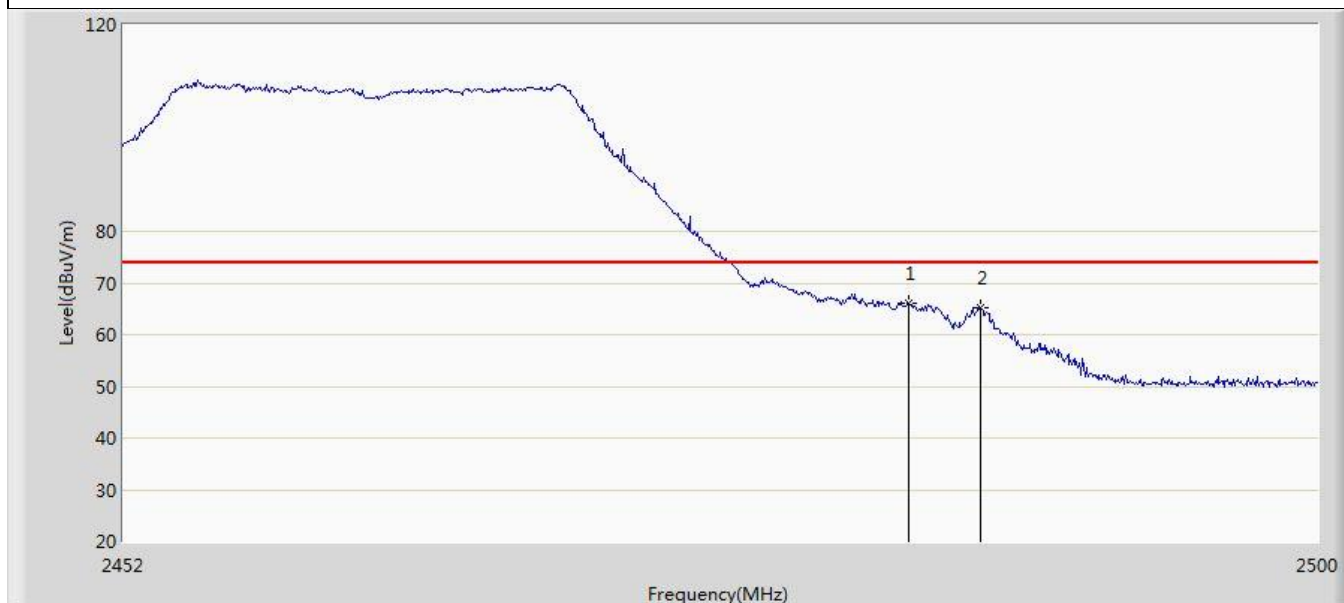
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 51.197                 | 17.046               | -22.803         | 74.000         | 34.151      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 13             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:49 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 2 : Transmit at 2462MHz by 802.11g                        |                          |



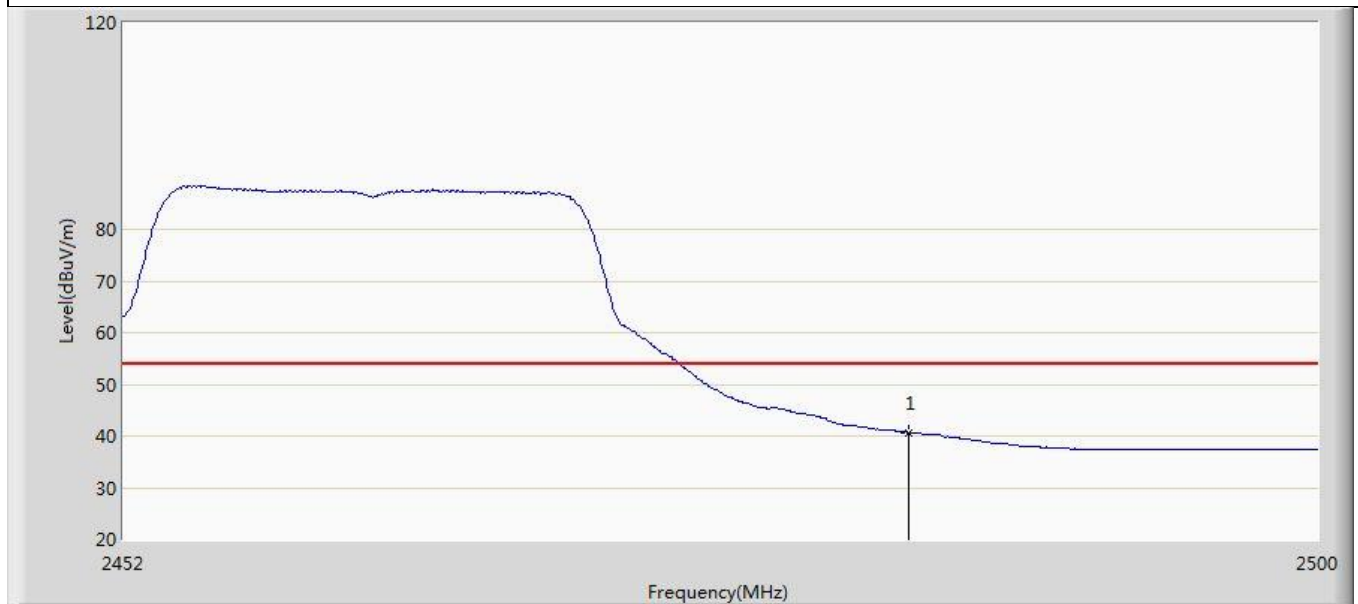
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 50.268                 | 15.812               | -3.732          | 54.000         | 34.456      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 14             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:53 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 2 : Transmit at 2462MHz by 802.11g                        |                          |



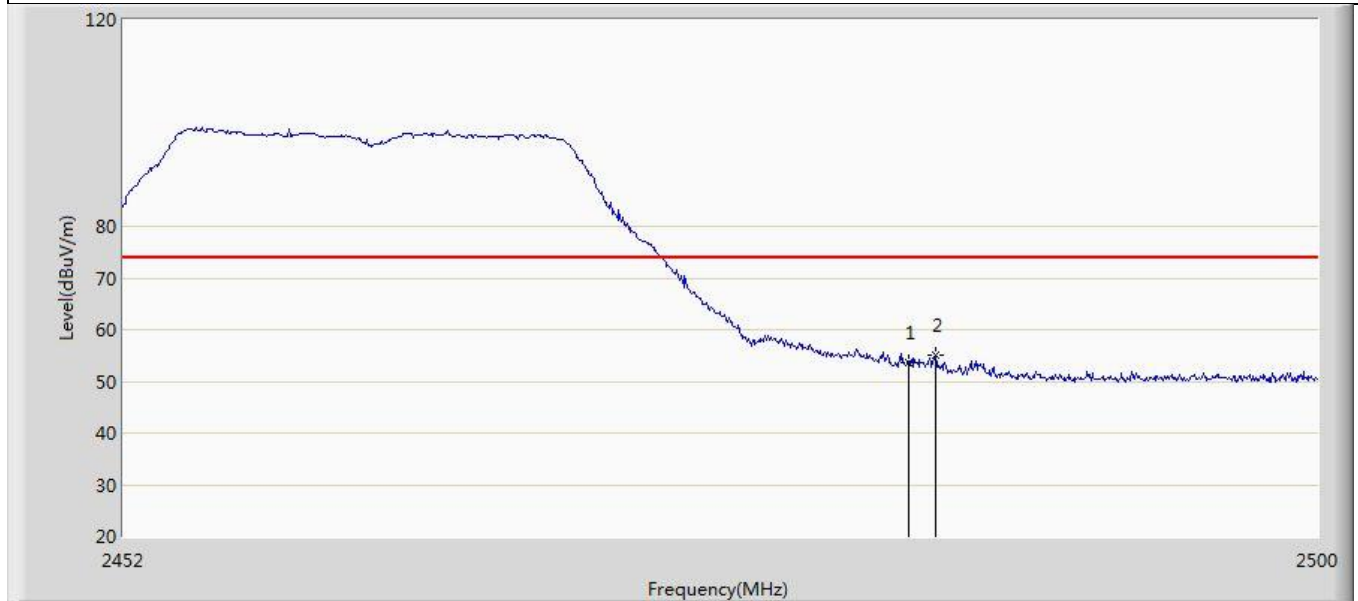
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 65.970                 | 31.514               | -8.030          | 74.000         | 34.456      | PK   |
| 2  |      | 2486.368        | 65.240                 | 30.753               | -8.760          | 74.000         | 34.487      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 15             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:55 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 2 : Transmit at 2462MHz by 802.11g                        |                          |



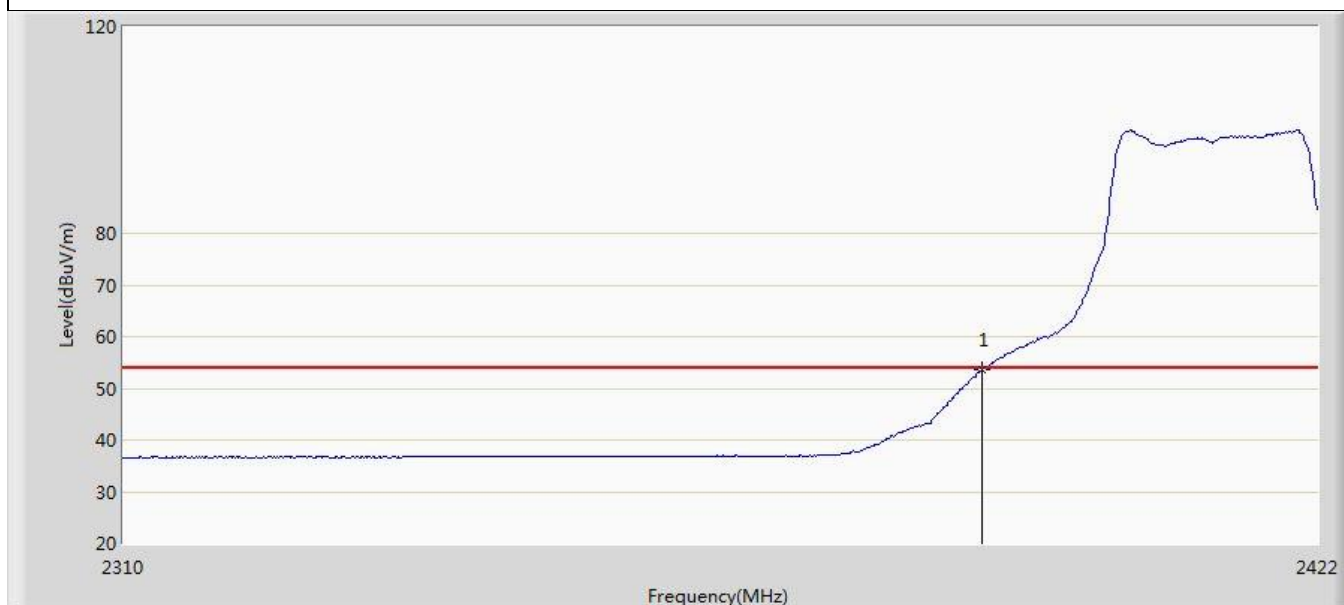
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 40.657                 | 6.201                | -13.343         | 54.000         | 34.456      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 16             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:57 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 2 : Transmit at 2462MHz by 802.11g                        |                          |



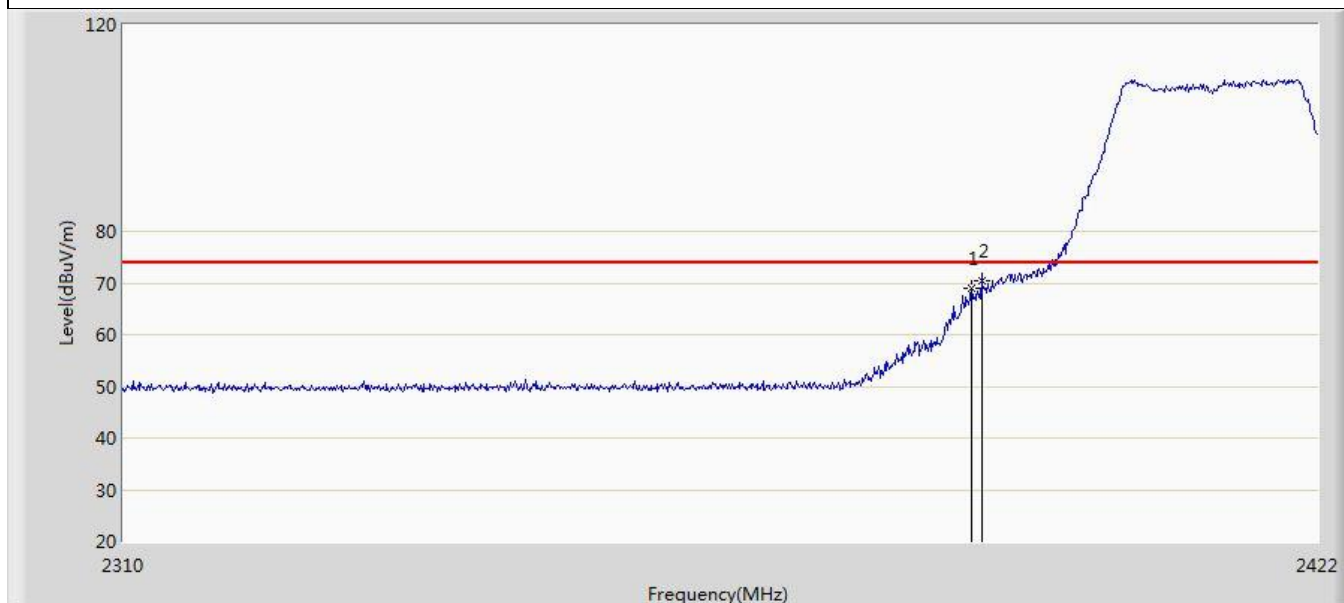
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2483.500        | 53.743                 | 19.287               | -20.257         | 74.000         | 34.456      | PK   |
| 2  | *    | 2484.544        | 55.123                 | 20.656               | -18.877         | 74.000         | 34.467      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 17             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 19:59 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 3 : Transmit at 2412MHz by 802.11n ( 20MHz)               |                          |



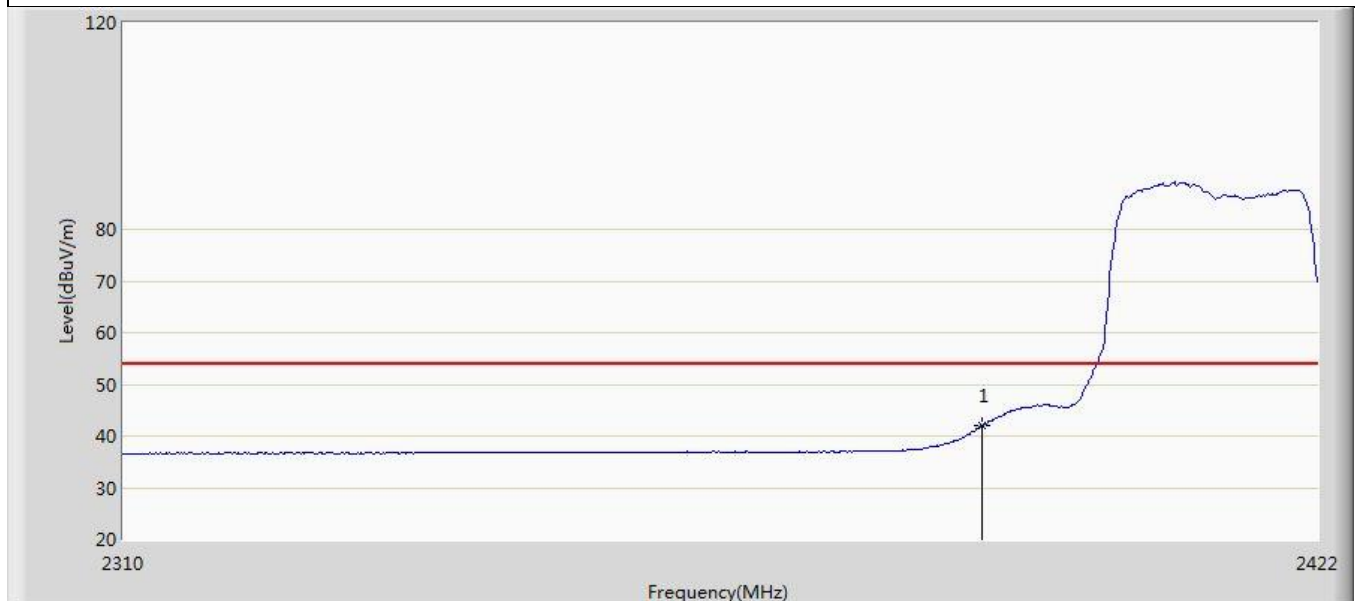
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 53.541                 | 19.390               | -0.459          | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 18             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:06 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 3 : Transmit at 2412MHz by 802.11n ( 20MHz)               |                          |



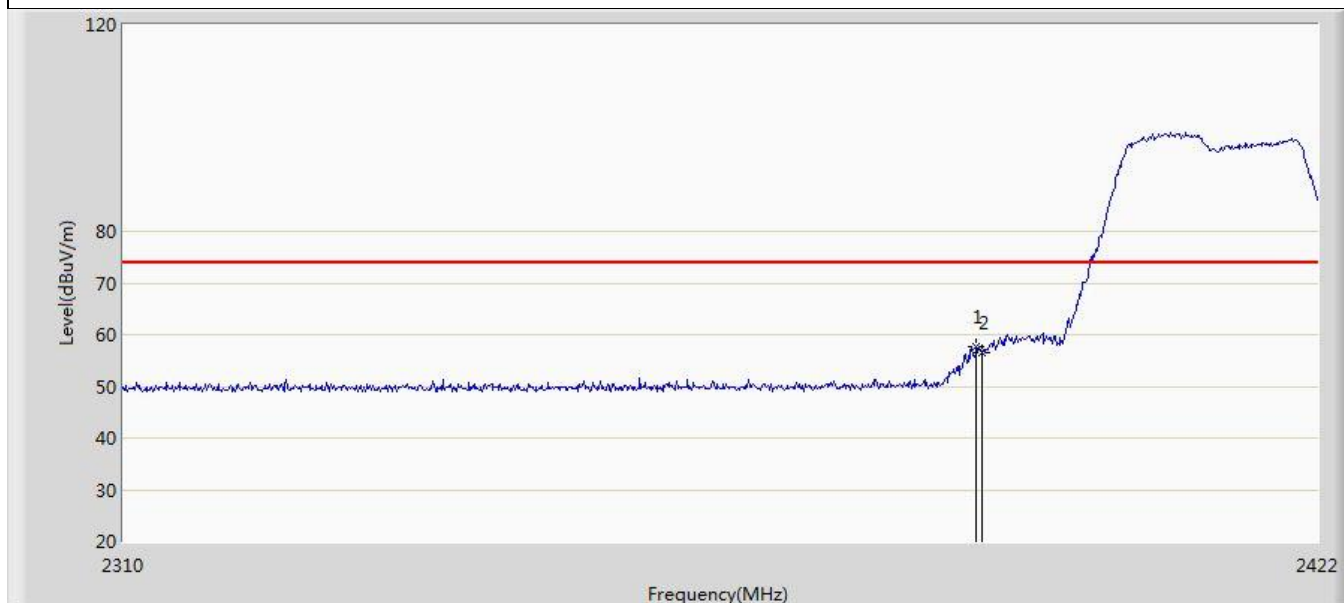
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2389.072        | 69.093                 | 34.946               | -4.907          | 74.000         | 34.147      | PK   |
| 2  | *    | 2390.000        | 70.406                 | 36.255               | -3.594          | 74.000         | 34.151      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 19             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:08 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 3 : Transmit at 2412MHz by 802.11n (20MHz)                |                          |



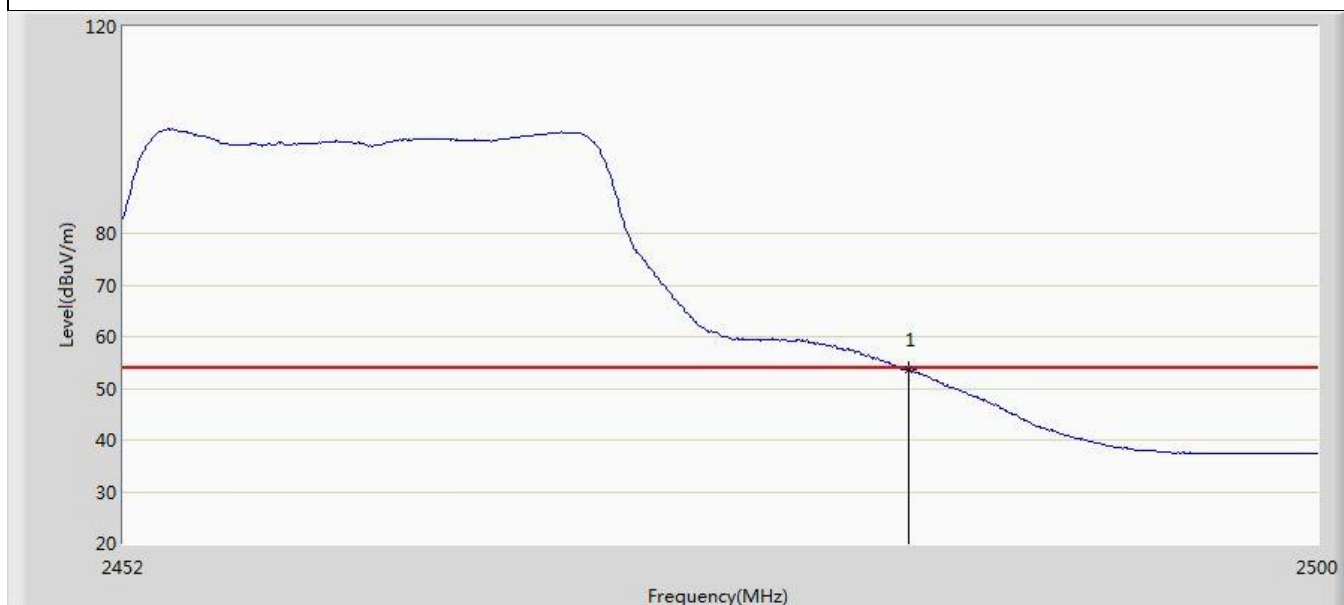
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 42.057                 | 7.906                | -11.943         | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 20             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:10 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 3 : Transmit at 2412MHz by 802.11n (20MHz)                |                          |



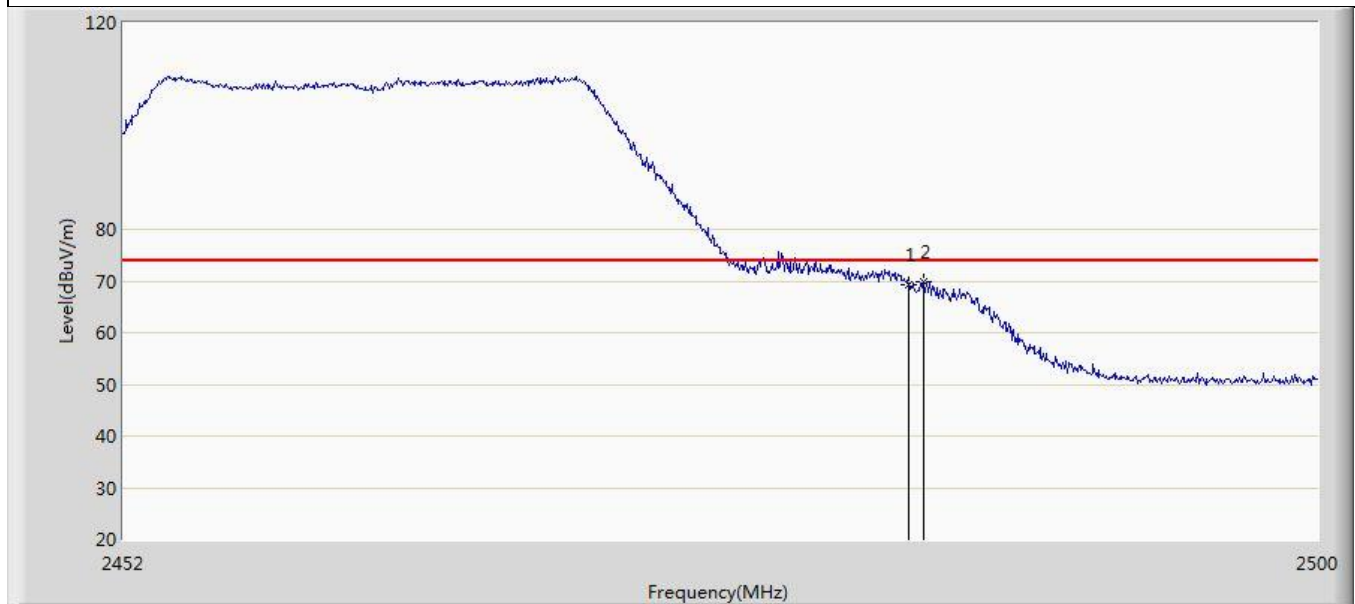
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2389.520        | 57.691                 | 23.542               | -16.309         | 74.000         | 34.148      | PK   |
| 2  |      | 2390.000        | 56.457                 | 22.306               | -17.543         | 74.000         | 34.151      | PK   |

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|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 21             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:13 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 3 : Transmit at 2462MHz by 802.11n ( 20MHz)               |                          |



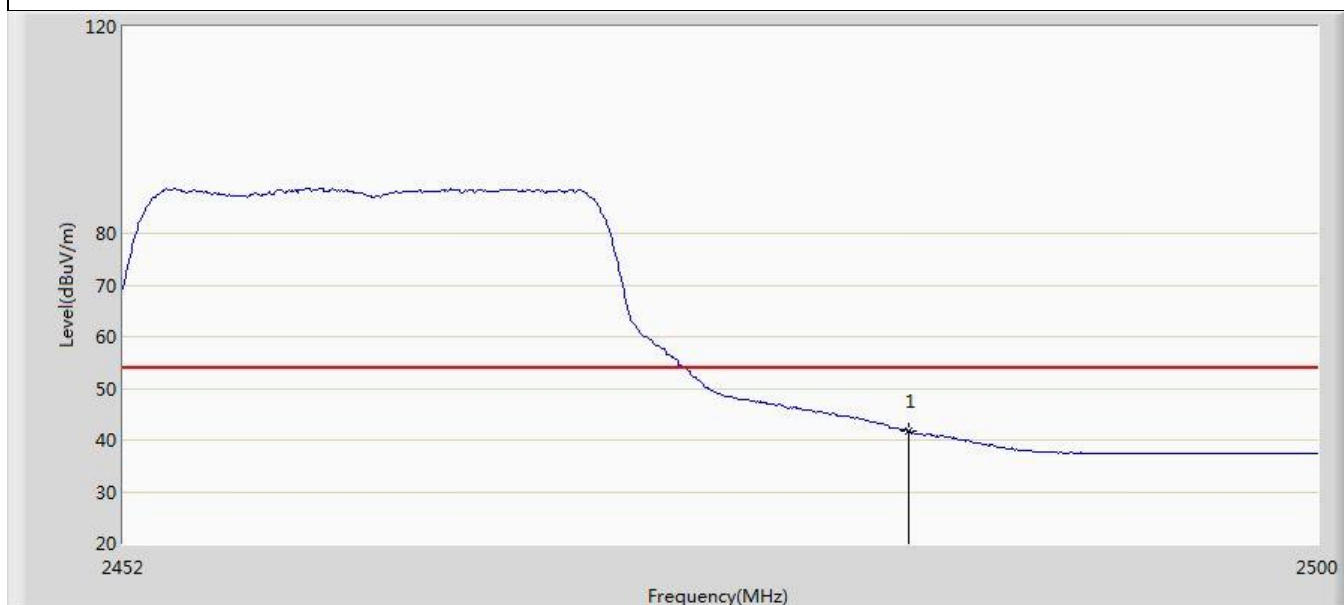
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 53.559                 | 19.103               | -0.441          | 54.000         | 34.456      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 22             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:17 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 3 : Transmit at 2462MHz by 802.11n ( 20MHz)               |                          |



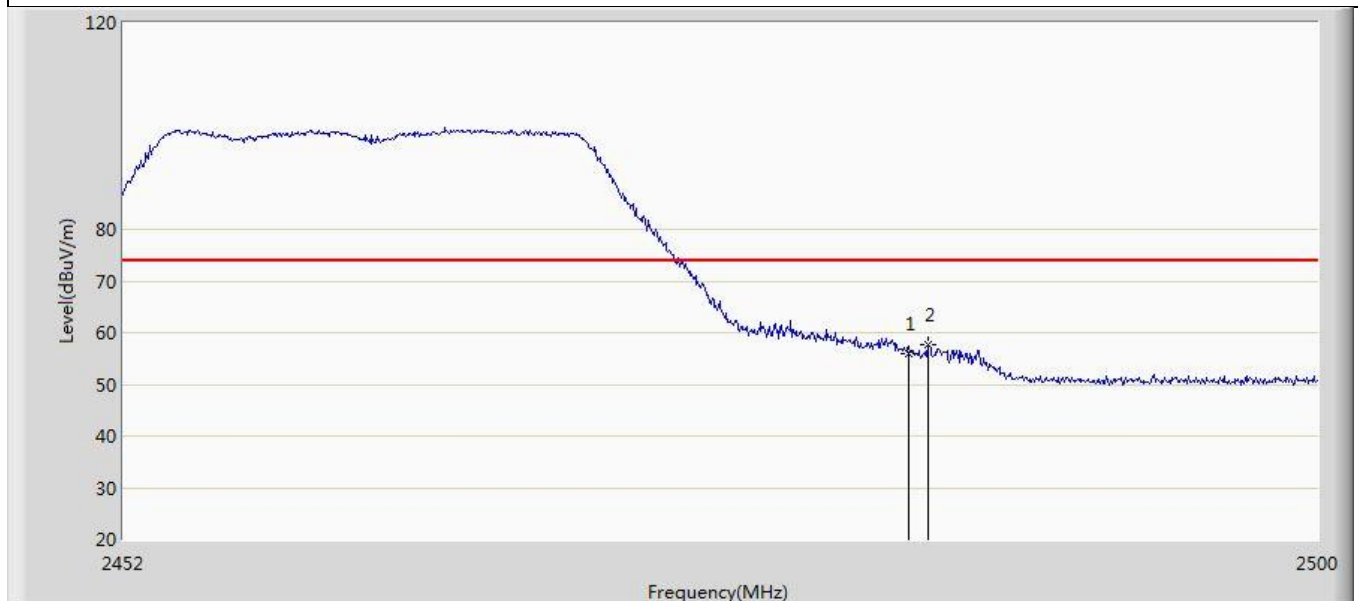
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2483.500        | 69.330                 | 34.874               | -4.670          | 74.000         | 34.456      | PK   |
| 2  | *    | 2484.064        | 69.993                 | 35.531               | -4.007          | 74.000         | 34.462      | PK   |

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|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 23             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:19 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 3 : Transmit at 2462MHz by 802.11n (20MHz)                |                          |



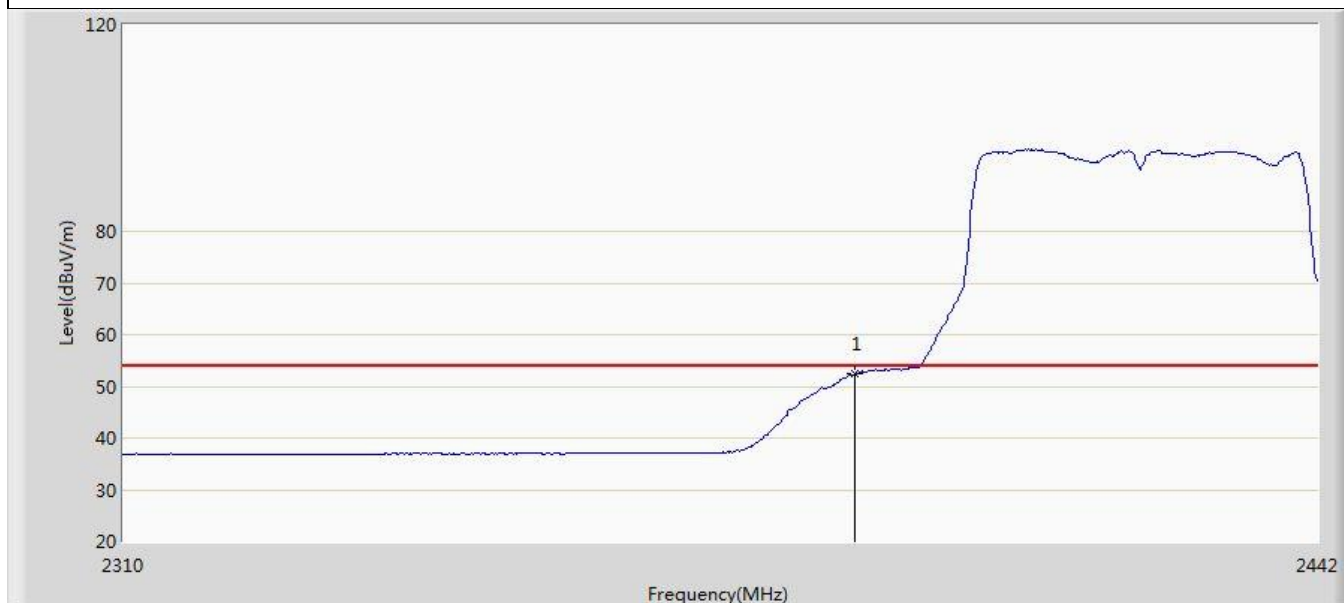
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 41.652                 | 7.196                | -12.348         | 54.000         | 34.456      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 24             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:21 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 3 : Transmit at 2462MHz by 802.11n (20MHz)                |                          |



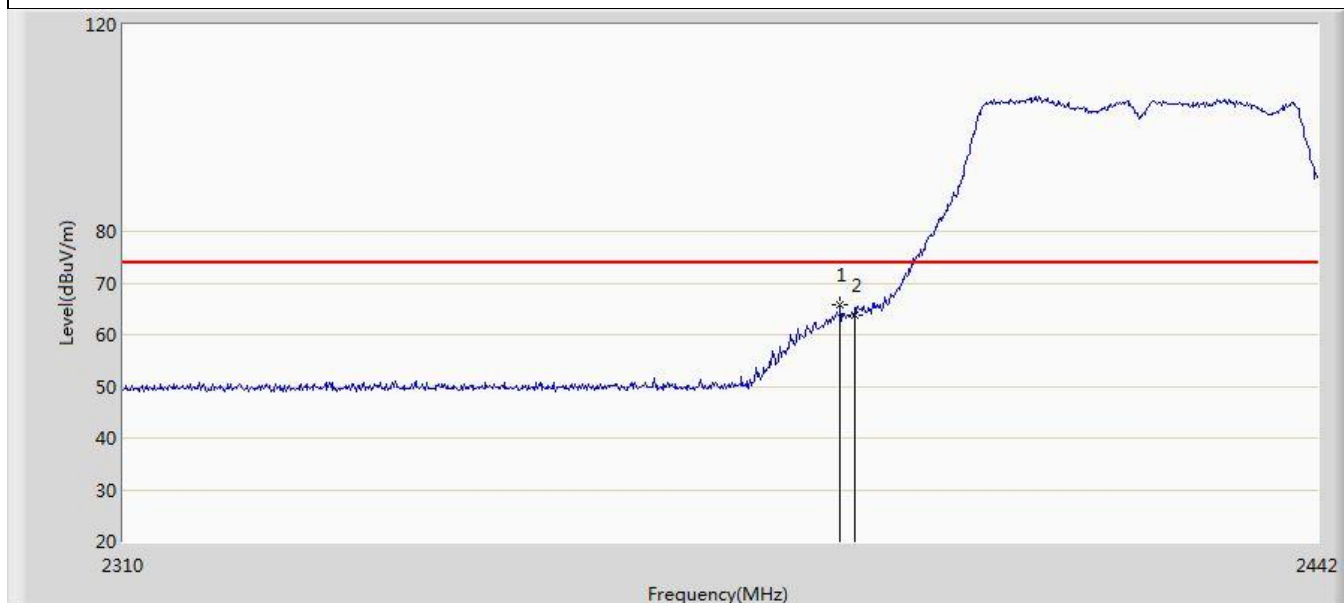
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2483.500        | 56.086                 | 21.630               | -17.914         | 74.000         | 34.456      | PK   |
| 2  | *    | 2484.256        | 57.789                 | 23.325               | -16.211         | 74.000         | 34.464      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 25             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:28 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 4 : Transmit at 2422MHz by 802.11n (40MHz)                |                          |



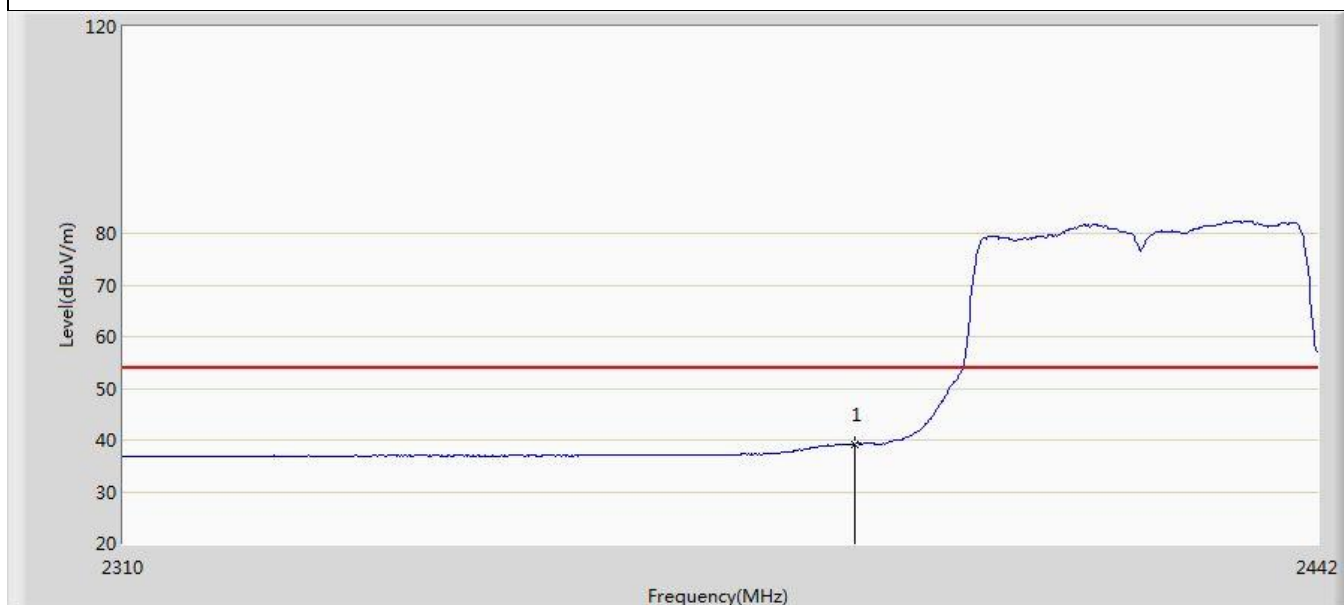
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 52.452                 | 18.301               | -1.548          | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 26             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:38 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 4 : Transmit at 2422MHz by 802.11n (40MHz)                |                          |



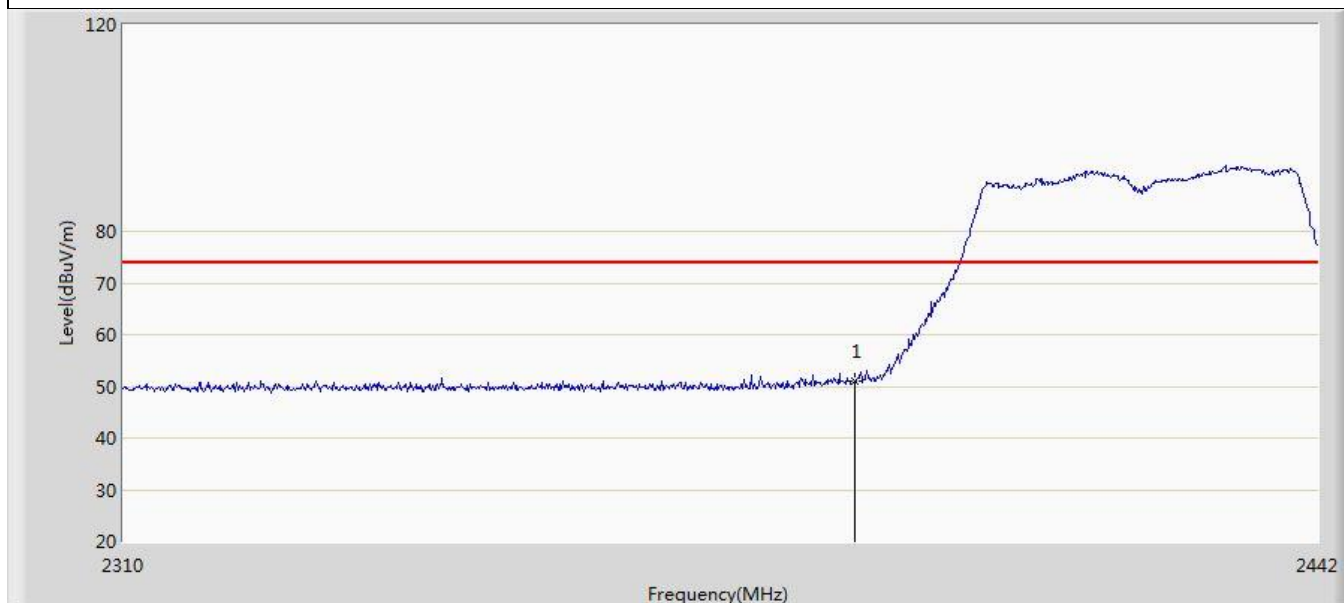
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2388.408        | 65.816                 | 31.672               | -8.184          | 74.000         | 34.144      | PK   |
| 2  |      | 2390.000        | 63.697                 | 29.546               | -10.303         | 74.000         | 34.151      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 27             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:40 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 4 : Transmit at 2422MHz by 802.11n (40MHz)                |                          |



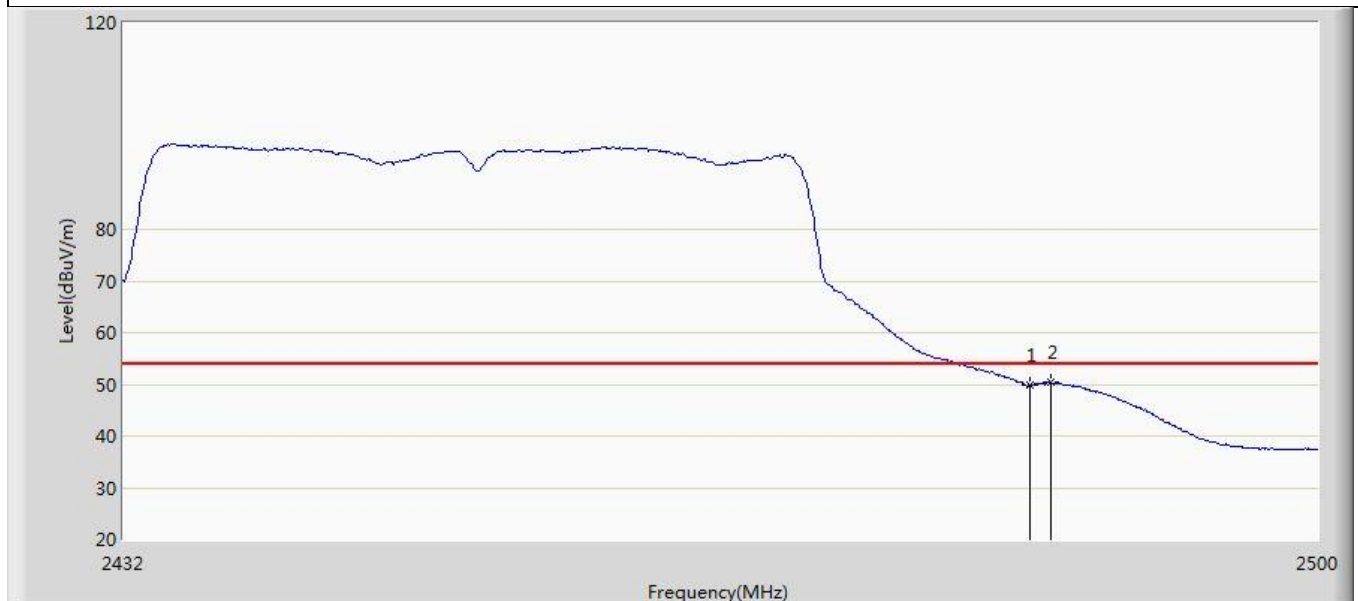
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 39.195                 | 5.044                | -14.805         | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 28             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:42 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 4 : Transmit at 2422MHz by 802.11n (40MHz)                |                          |



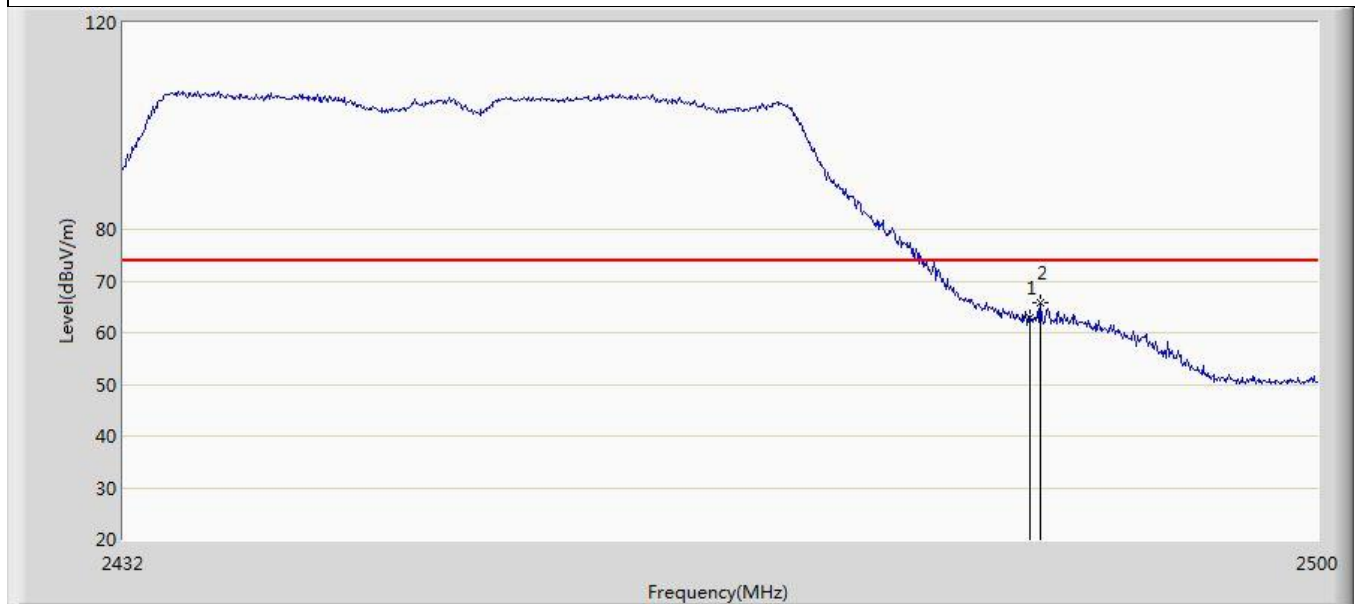
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 51.051                 | 16.900               | -22.949         | 74.000         | 34.151      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 29             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:43 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 4 : Transmit at 2452MHz by 802.11n (40MHz)                |                          |



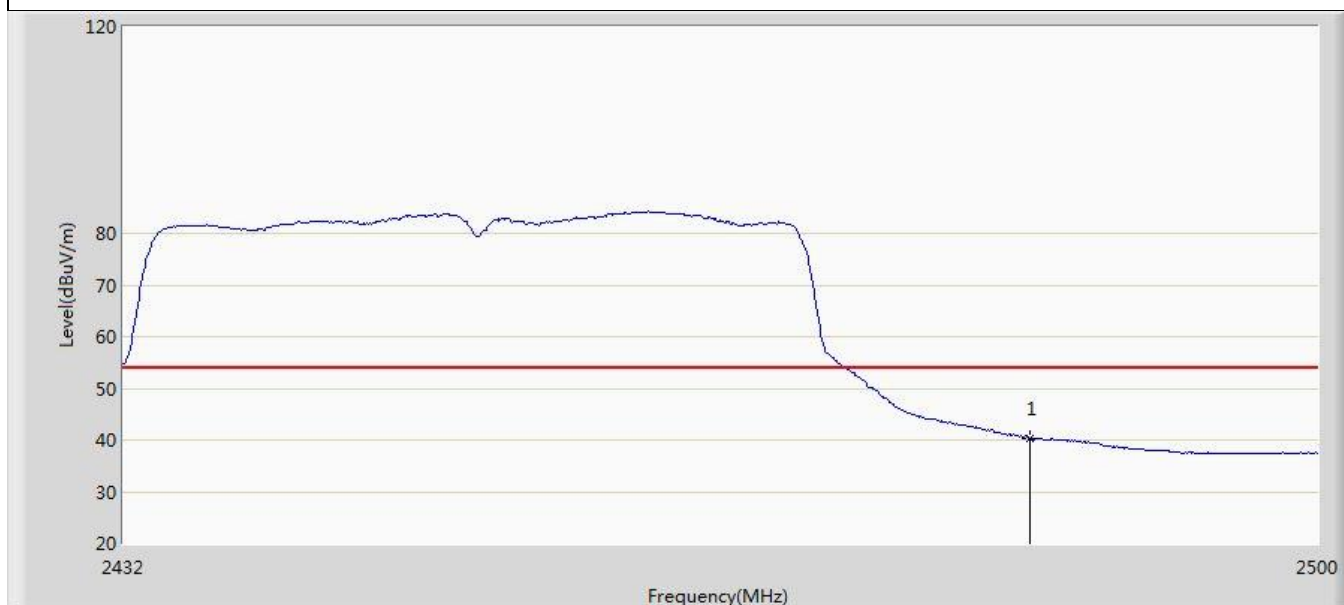
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2483.500        | 49.809                 | 15.353               | -4.191          | 54.000         | 34.456      | AV   |
| 2  | *    | 2484.632        | 50.293                 | 15.825               | -3.707          | 54.000         | 34.469      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 30             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:47 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 4 : Transmit at 2452MHz by 802.11n (40MHz)                |                          |



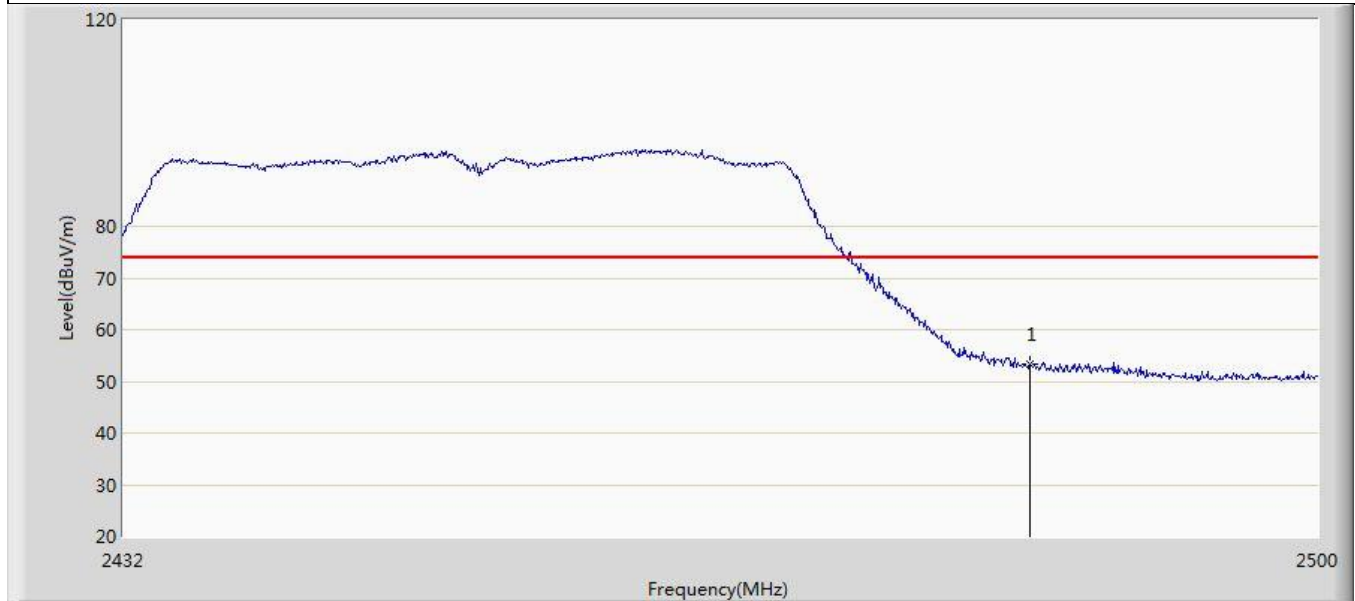
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2483.500        | 62.802                 | 28.346               | -11.198         | 74.000         | 34.456      | PK   |
| 2  | *    | 2484.088        | 65.825                 | 31.363               | -8.175          | 74.000         | 34.462      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 31             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:49 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 4 : Transmit at 2452MHz by 802.11n (40MHz)                |                          |



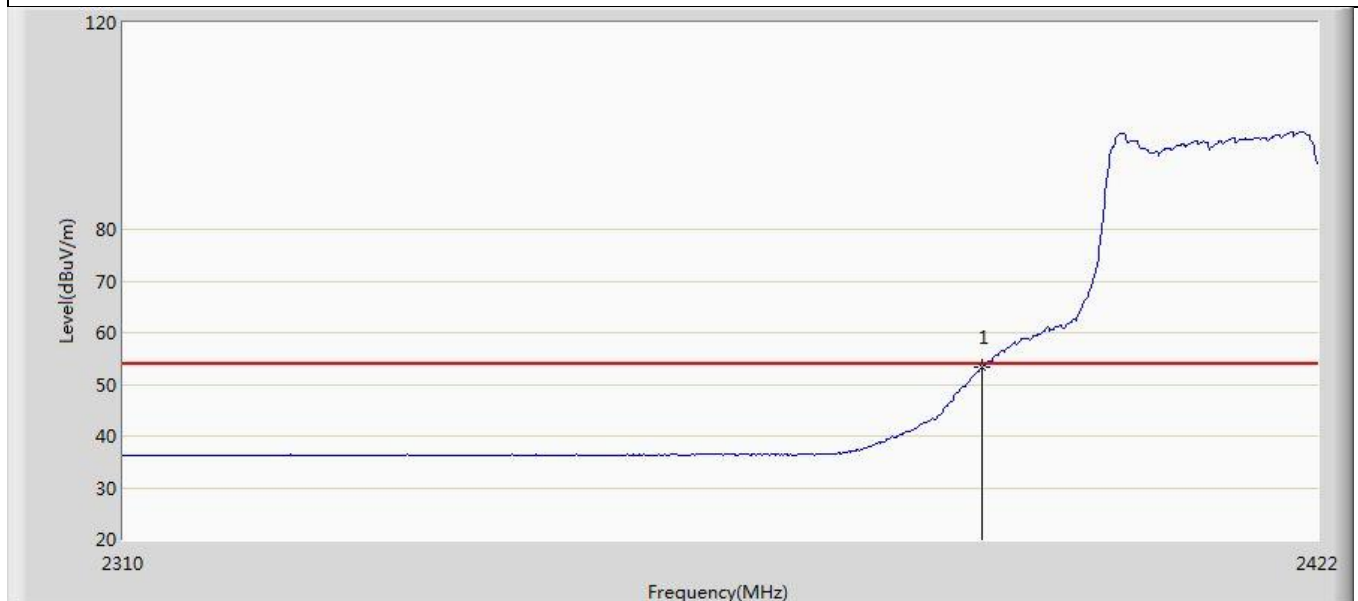
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 40.275                 | 5.819                | -13.725         | 54.000         | 34.456      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 32             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:51 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 4 : Transmit at 2452MHz by 802.11n (40MHz)                |                          |



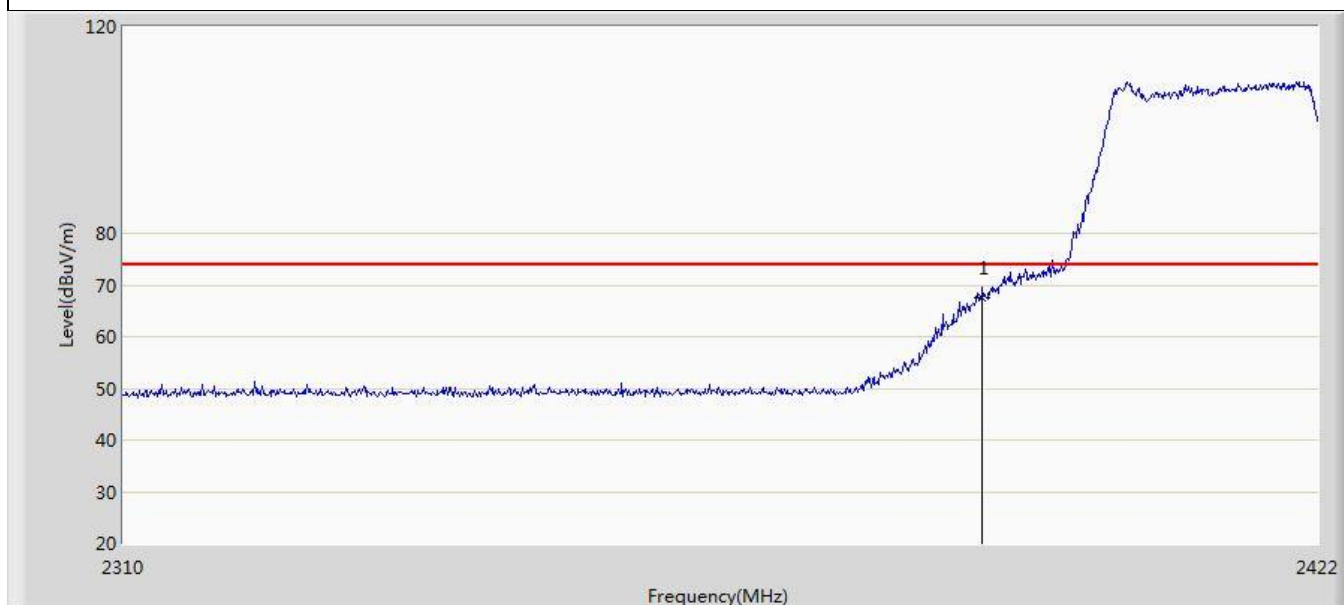
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 53.346                 | 18.890               | -20.654         | 74.000         | 34.456      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 33             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/03 - 20:53 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 5 : Transmit at 2412MHz by 802.11ax ( 20MHz)              |                          |



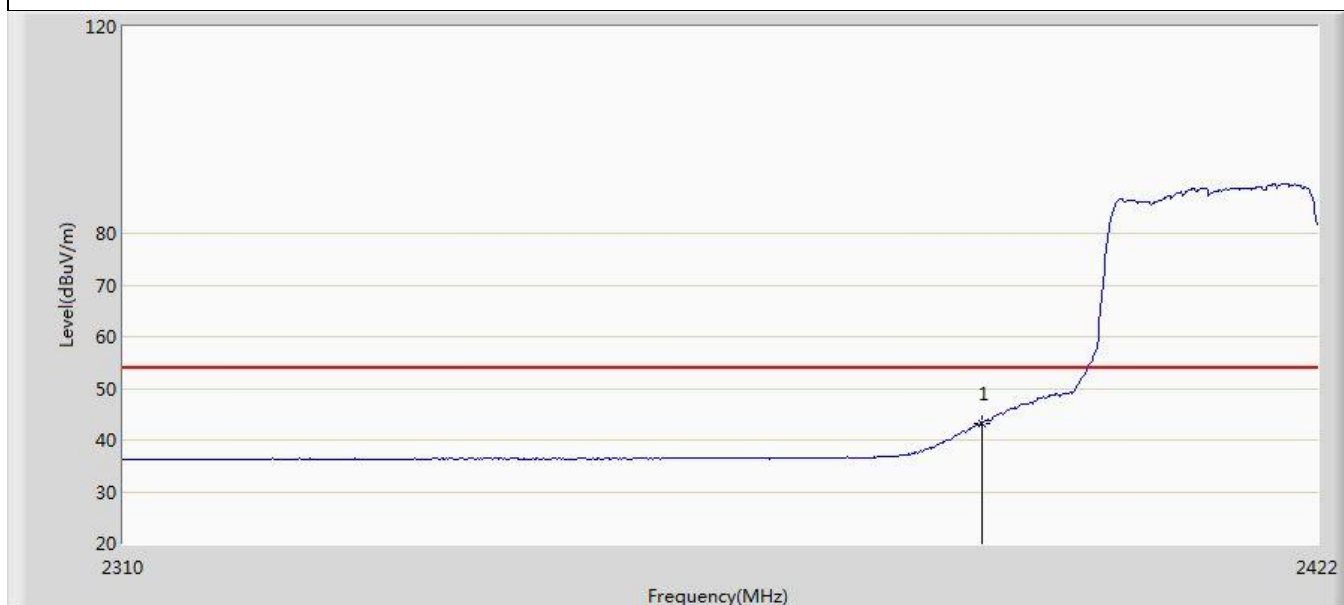
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 53.251                 | 19.100               | -0.749          | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 34             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 18:08 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 5 : Transmit at 2412MHz by 802.11ax ( 20MHz)              |                          |



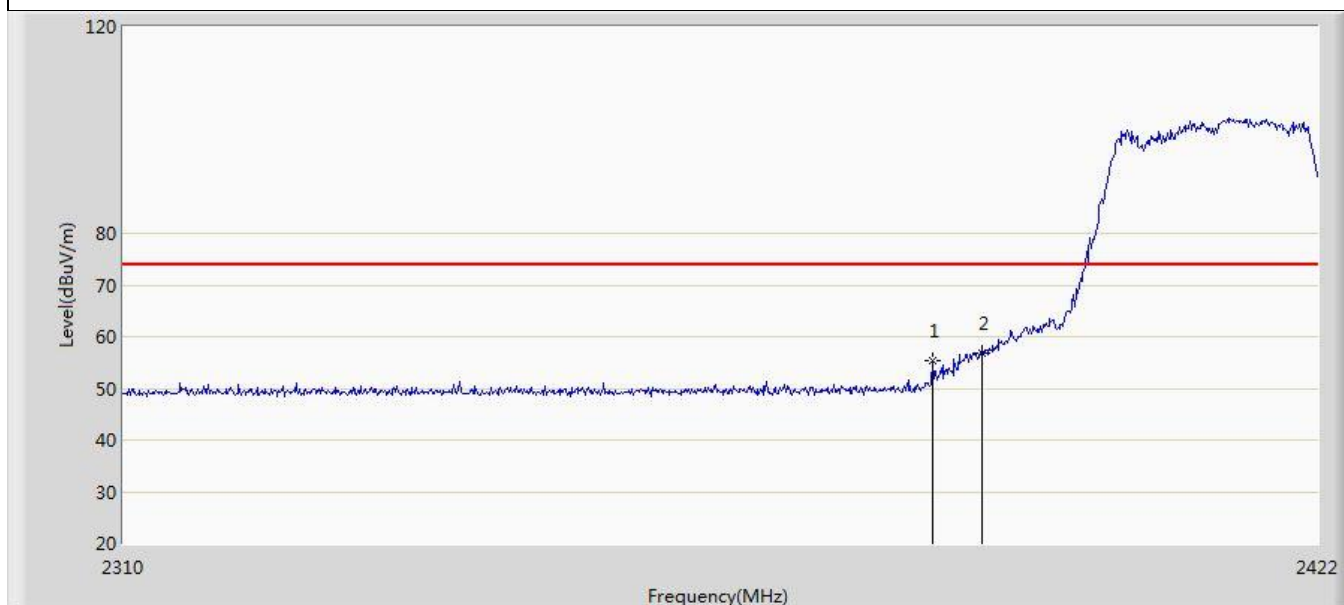
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 67.455                 | 33.304               | -6.545          | 74.000         | 34.151      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 35             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 18:09 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 5 : Transmit at 2412MHz by 802.11ax ( 20MHz)              |                          |



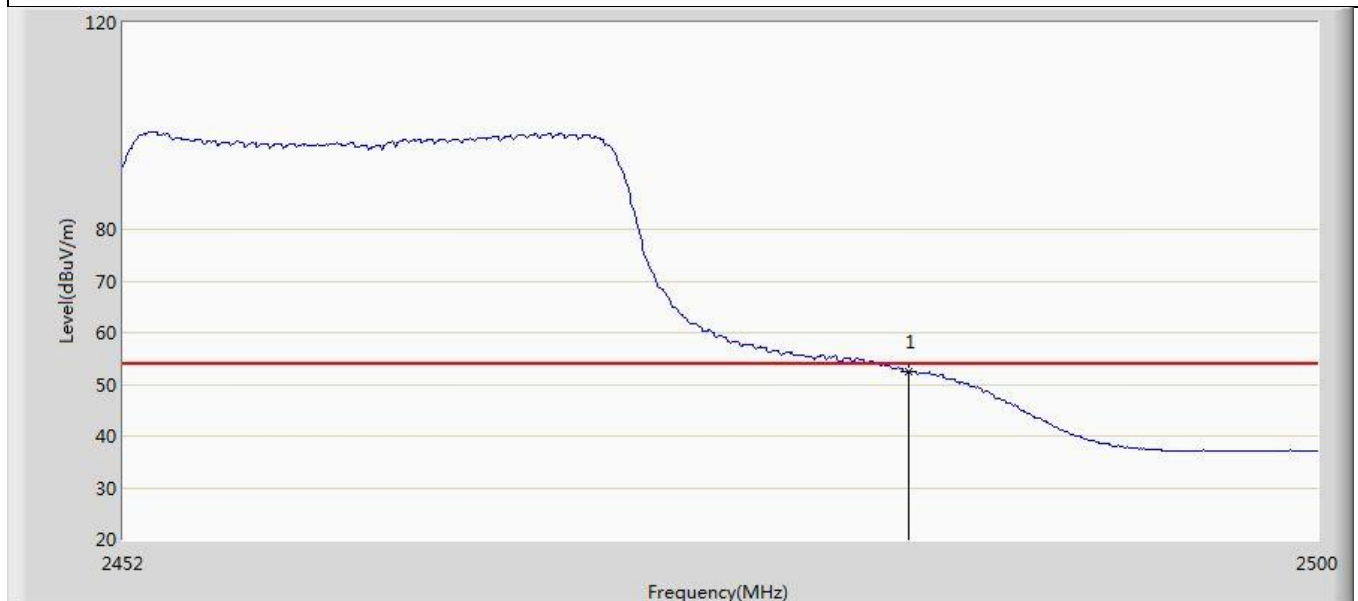
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 43.325                 | 9.174                | -10.675         | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 36             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 18:10 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 5 : Transmit at 2412MHz by 802.11ax ( 20MHz)              |                          |



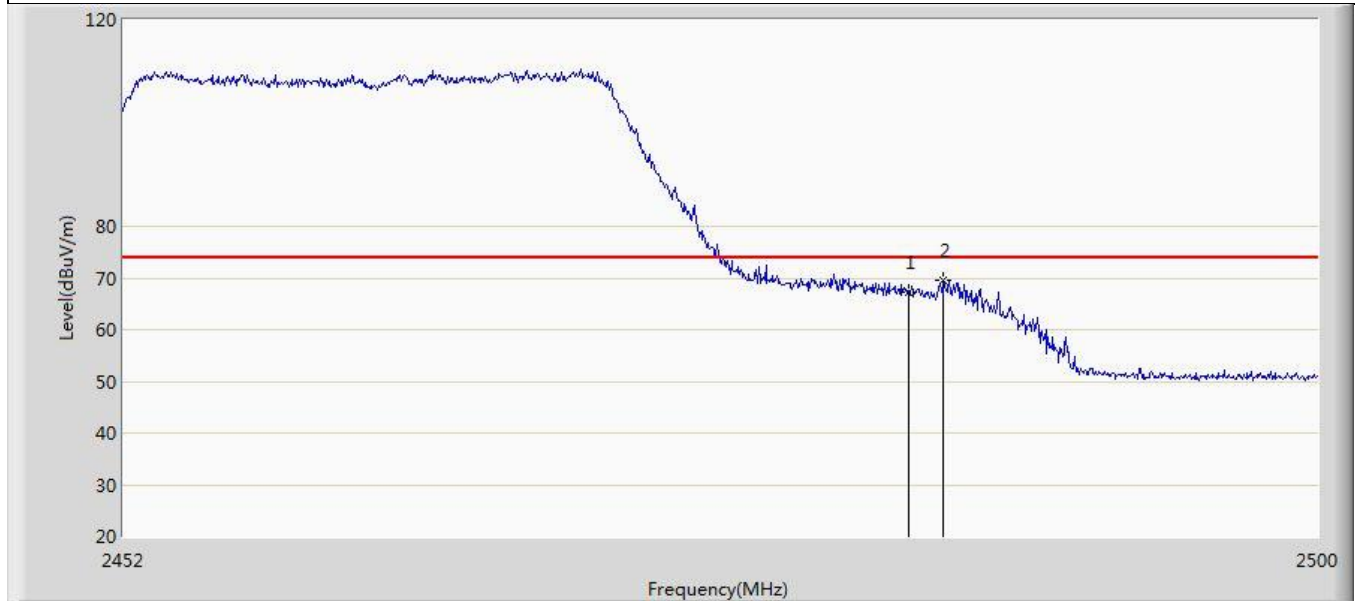
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2385.376        | 55.397                 | 21.266               | -18.603         | 74.000         | 34.131      | PK   |
| 2  | *    | 2390.000        | 56.871                 | 22.720               | -17.129         | 74.000         | 34.151      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 37             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 18:12 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 5 : Transmit at 2462MHz by 802.11ax ( 20MHz)              |                          |



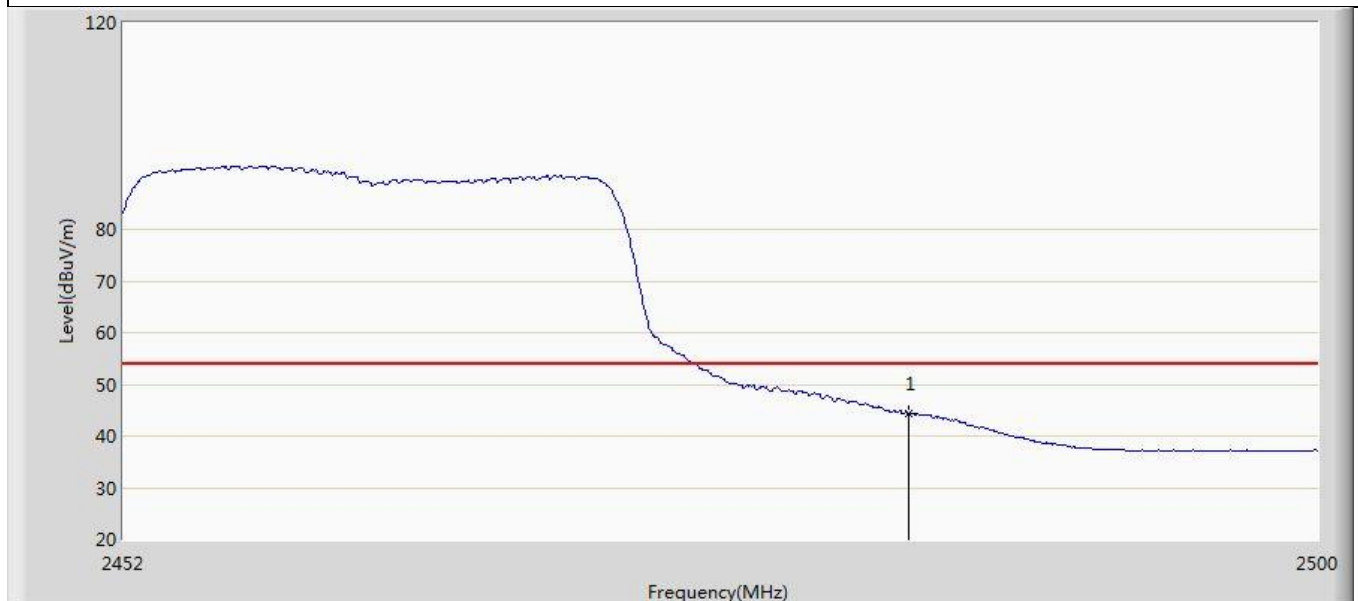
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 52.491                 | 18.035               | -1.509          | 54.000         | 34.456      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 38             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 18:35 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 5 : Transmit at 2462MHz by 802.11ax ( 20MHz)              |                          |



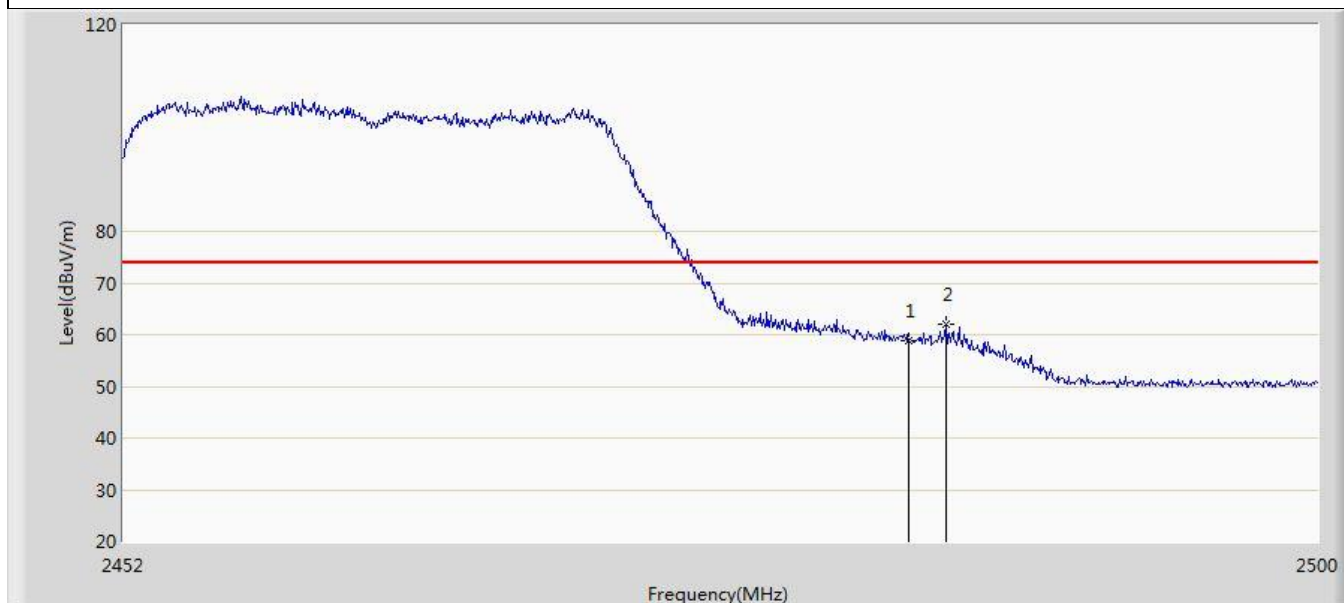
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2483.500        | 67.254                 | 32.798               | -6.746          | 74.000         | 34.456      | PK   |
| 2  | *    | 2484.880        | 69.588                 | 35.117               | -4.412          | 74.000         | 34.472      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 39             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 18:42 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 5 : Transmit at 2462MHz by 802.11ax ( 20MHz)              |                          |



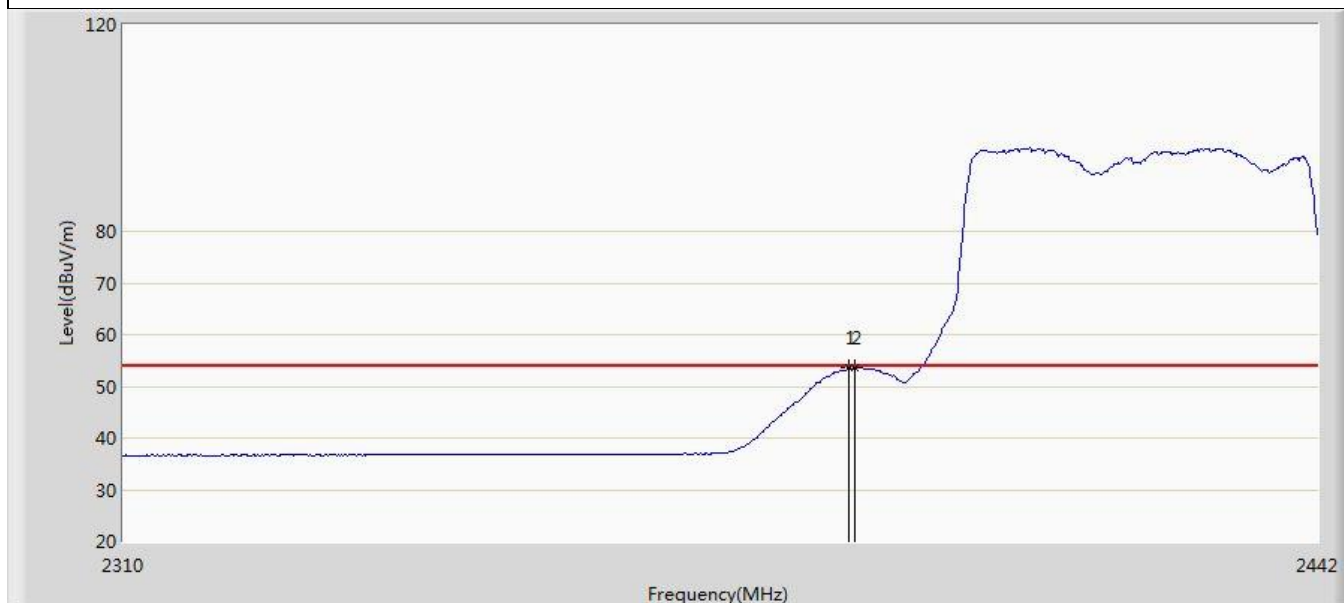
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 44.349                 | 9.893                | -9.651          | 54.000         | 34.456      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 40             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 18:44 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 5 : Transmit at 2462MHz by 802.11ax ( 20MHz)              |                          |



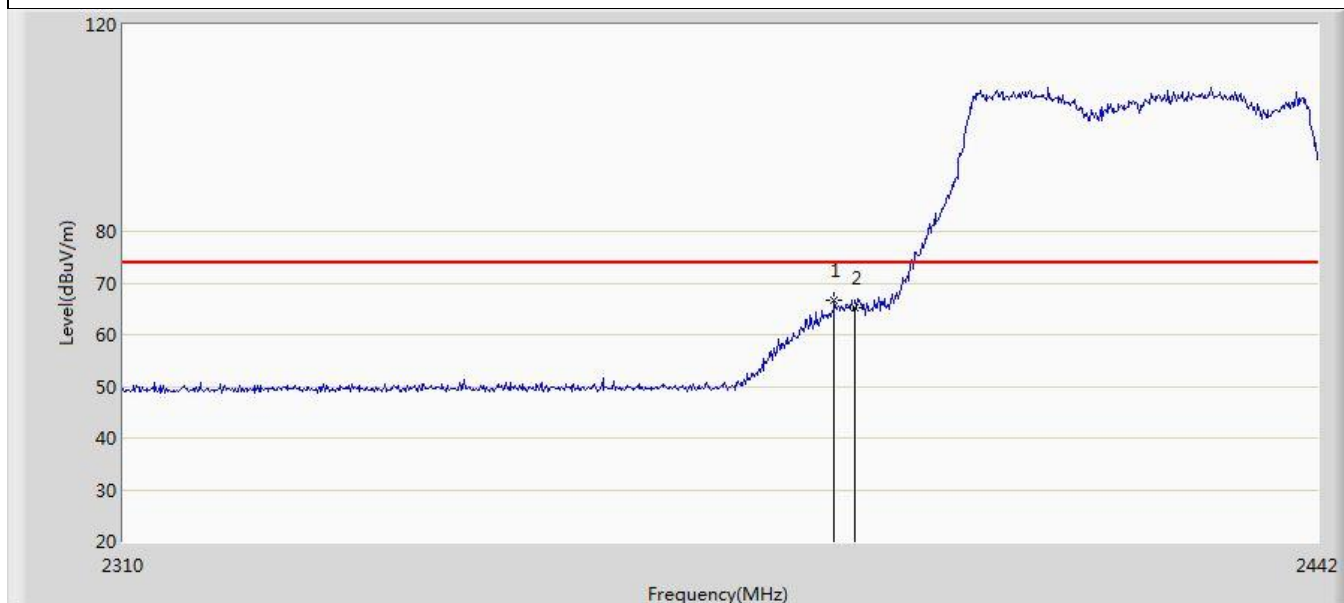
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2483.500        | 58.834                 | 24.378               | -15.166         | 74.000         | 34.456      | PK   |
| 2  | *    | 2484.976        | 61.959                 | 27.487               | -12.041         | 74.000         | 34.472      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 41             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 18:47 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 6 : Transmit at 2422MHz by 802.11ax ( 40MHz)              |                          |



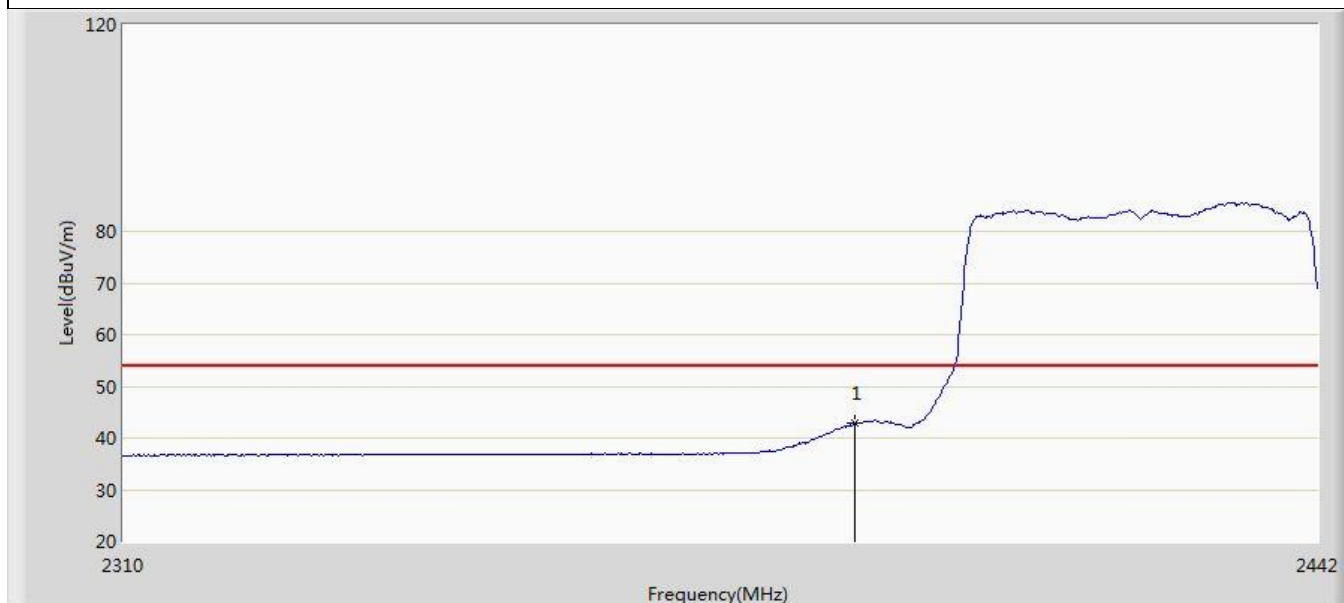
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2389.332        | 53.629                 | 19.481               | -0.371          | 54.000         | 34.148      | AV   |
| 2  |      | 2390.000        | 53.504                 | 19.353               | -0.496          | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 42             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 18:50 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 6 : Transmit at 2422MHz by 802.11ax ( 40MHz)              |                          |



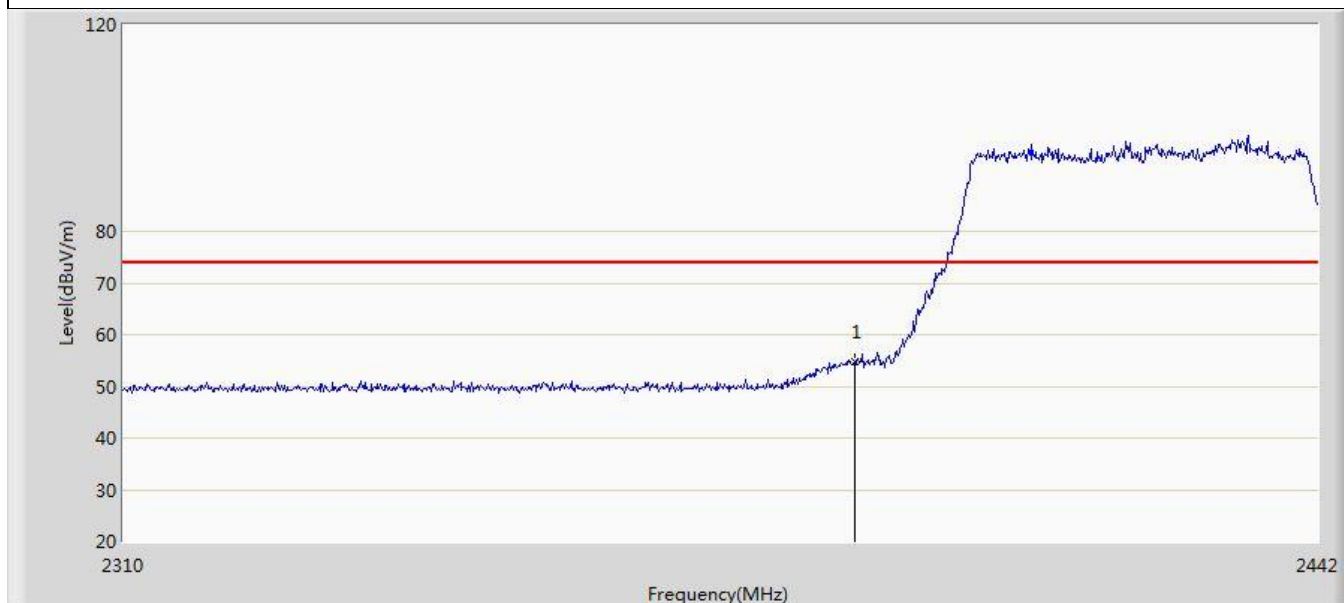
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2387.748        | 66.629                 | 32.488               | -7.371          | 74.000         | 34.141      | PK   |
| 2  |      | 2390.000        | 65.160                 | 31.009               | -8.840          | 74.000         | 34.151      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 43             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 18:52 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 6 : Transmit at 2422MHz by 802.11ax ( 40MHz)              |                          |



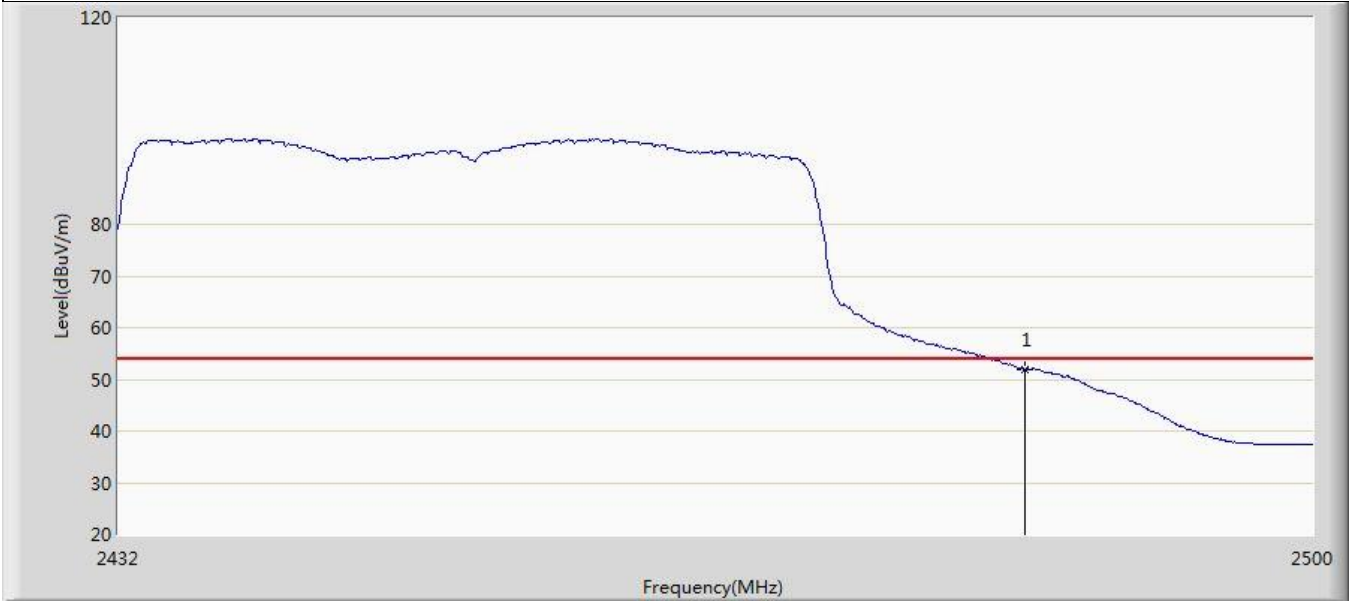
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 42.843                 | 8.692                | -11.157         | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 44             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 18:53 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 6 : Transmit at 2422MHz by 802.11ax ( 40MHz)              |                          |



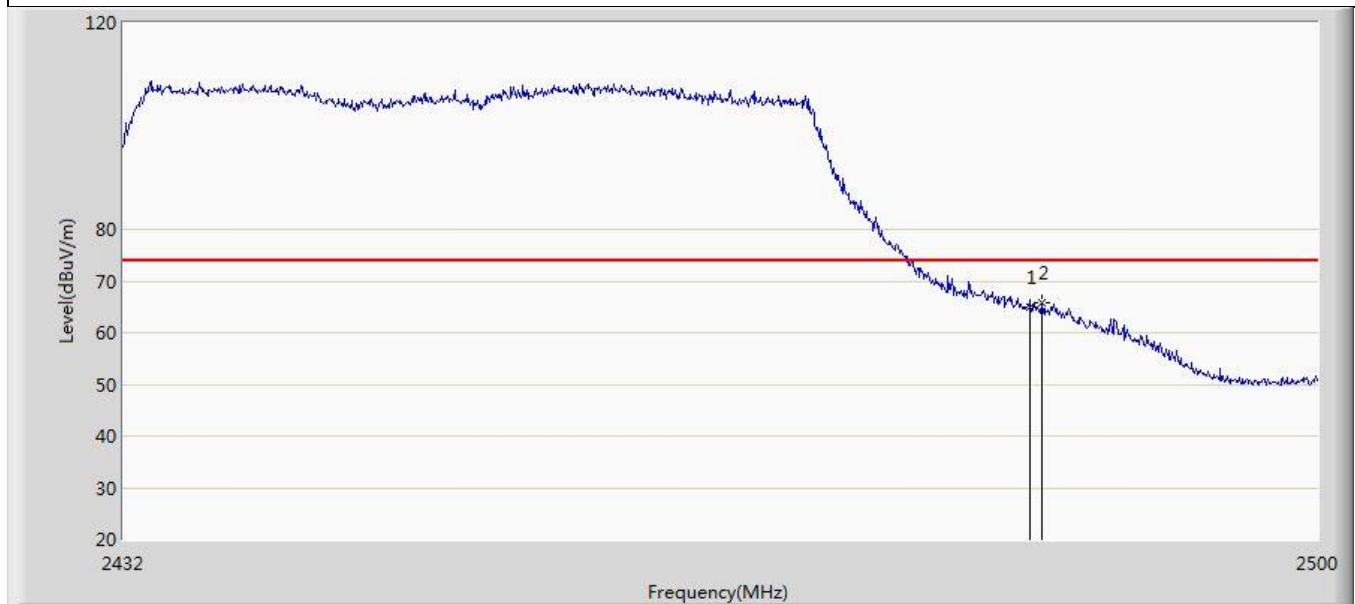
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 54.752                 | 20.601               | -19.248         | 74.000         | 34.151      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 45             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 18:55 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 6 : Transmit at 2452MHz by 802.11ax ( 40MHz)              |                          |



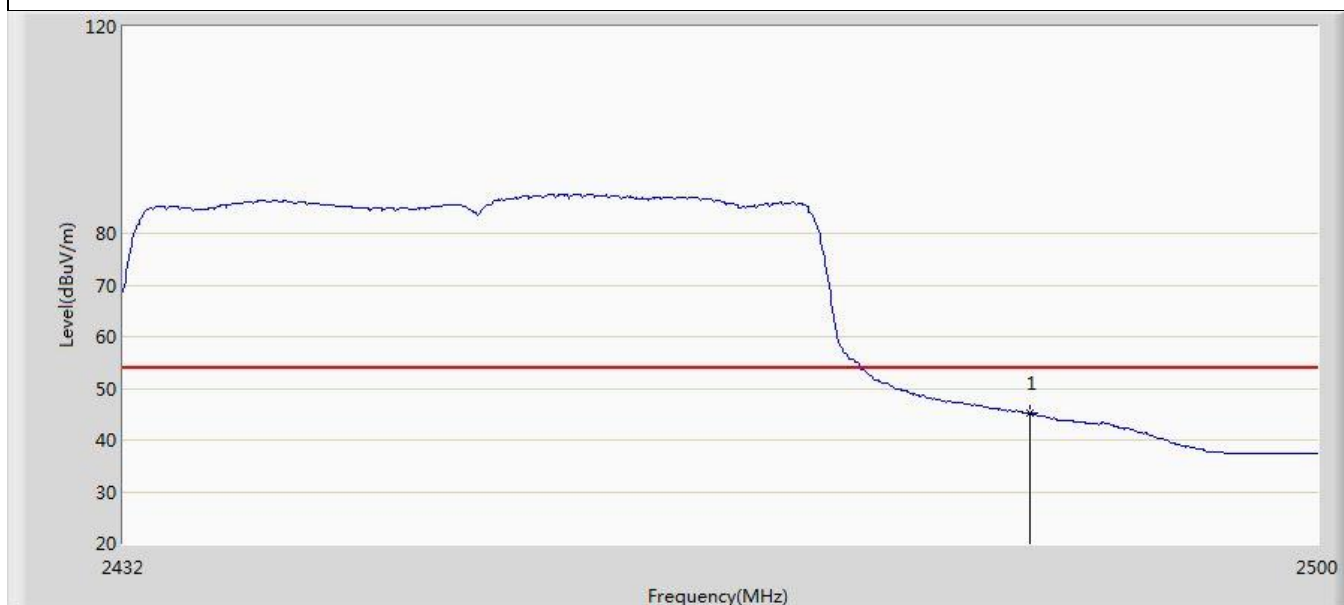
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 51.919                 | 17.463               | -2.081          | 54.000         | 34.456      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 46             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 18:58 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 6 : Transmit at 2452MHz by 802.11ax ( 40MHz)              |                          |



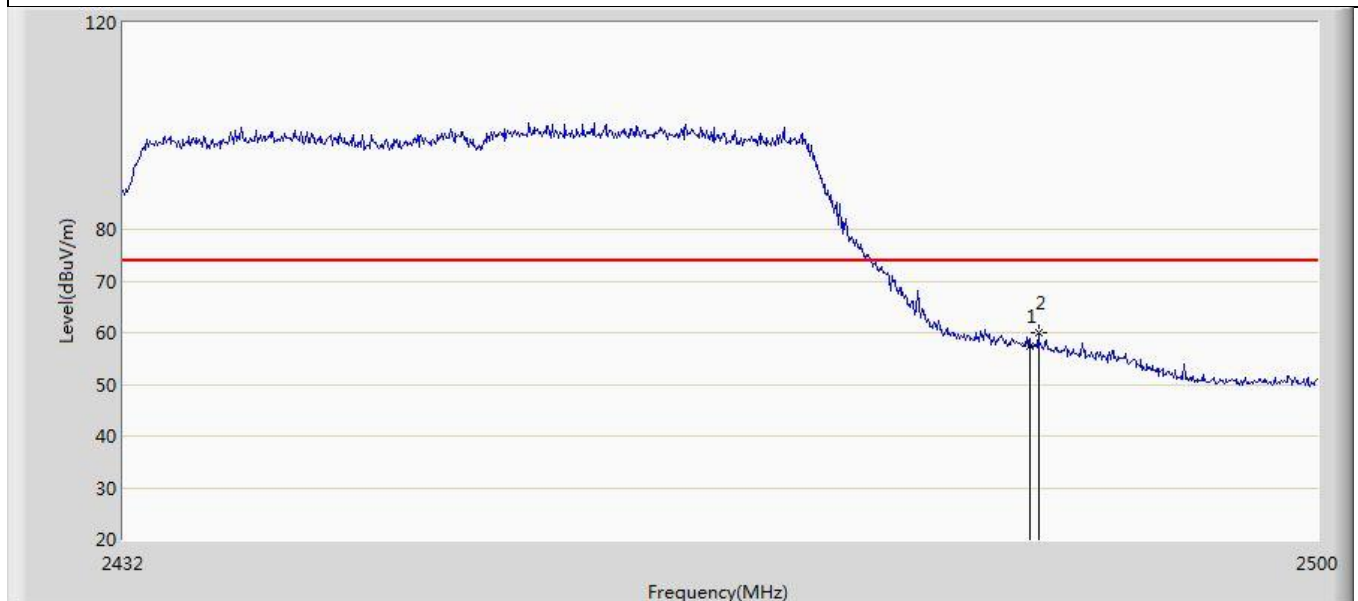
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2483.500        | 65.027                 | 30.571               | -8.973          | 74.000         | 34.456      | PK   |
| 2  | *    | 2484.156        | 65.664                 | 31.201               | -8.336          | 74.000         | 34.463      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 47             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 18:59 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 6 : Transmit at 2452MHz by 802.11ax ( 40MHz)              |                          |



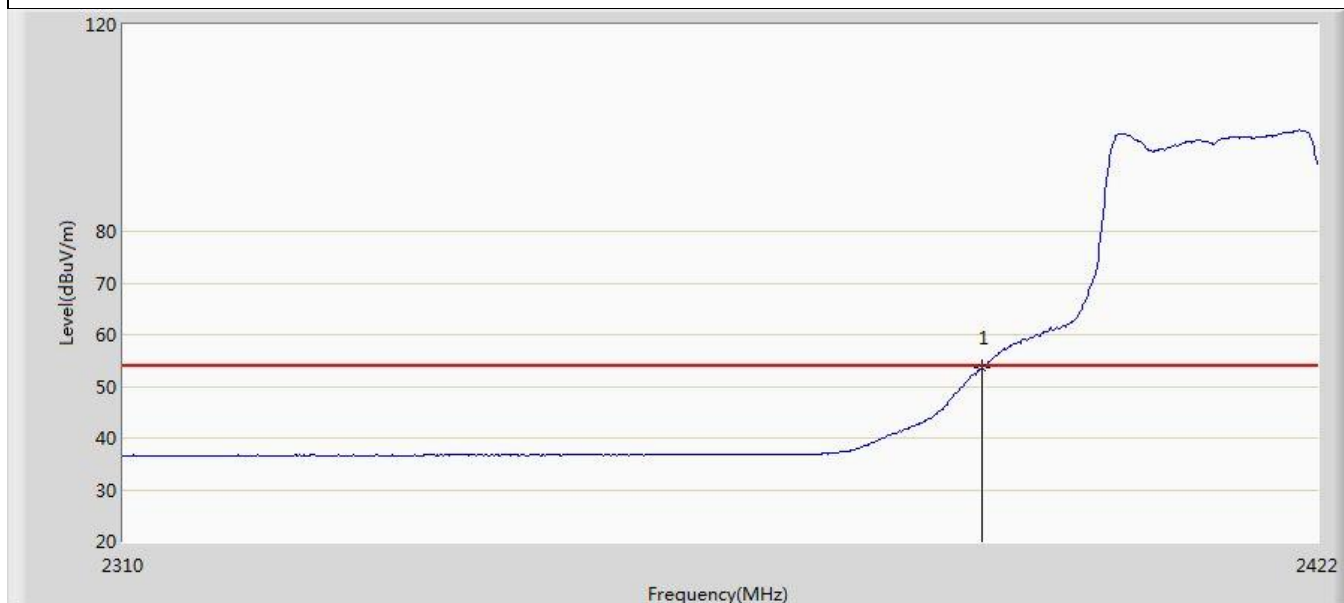
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 45.136                 | 10.680               | -8.864          | 54.000         | 34.456      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 48             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:01 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 6 : Transmit at 2452MHz by 802.11ax ( 40MHz)              |                          |



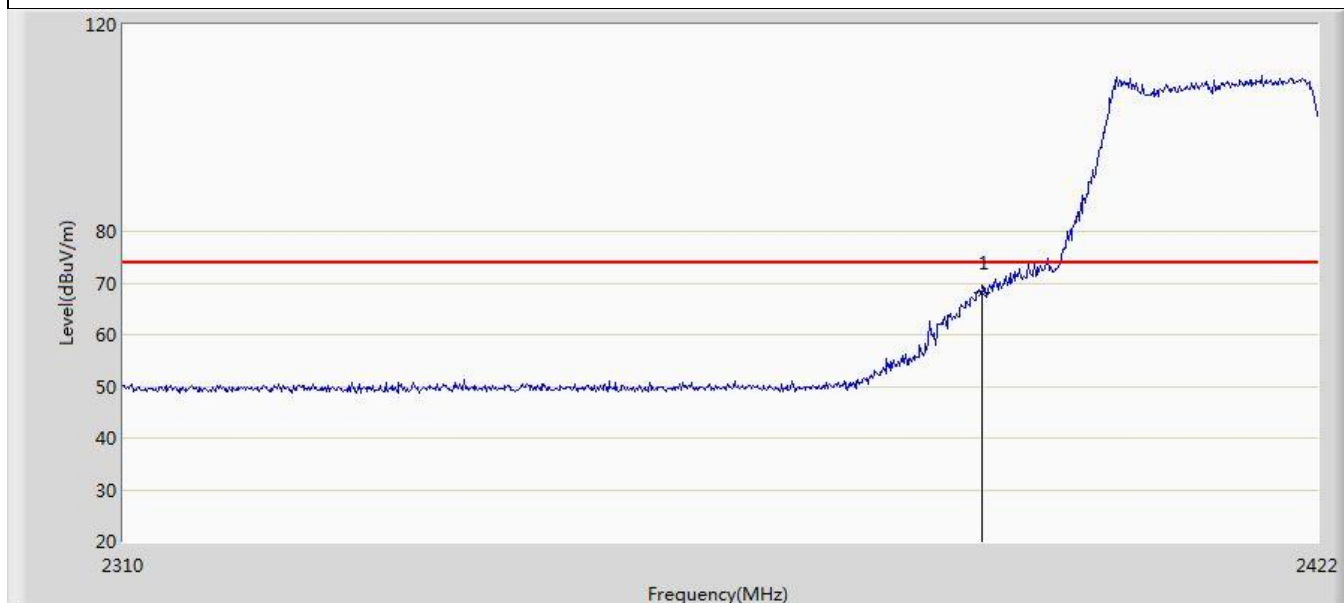
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2483.500        | 57.458                 | 23.002               | -16.542         | 74.000         | 34.456      | PK   |
| 2  | *    | 2483.952        | 59.885                 | 25.424               | -14.115         | 74.000         | 34.461      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 49             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:03 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 7 : Transmit at 2412MHz by 802.11be ( 20MHz)              |                          |



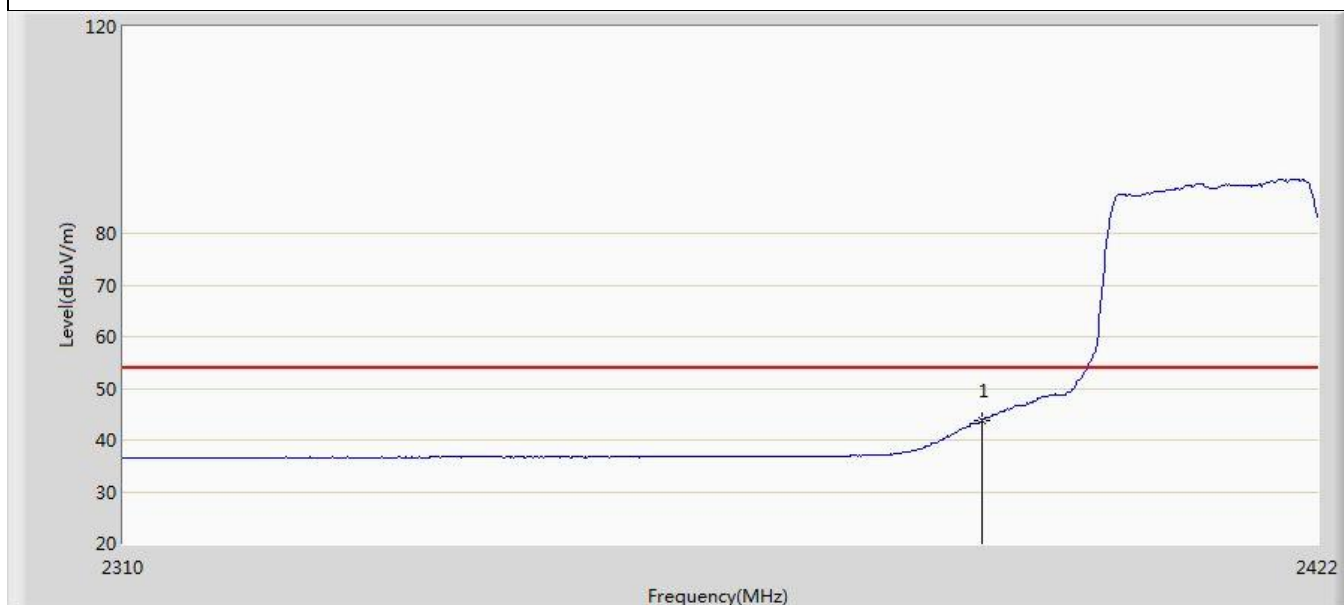
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 53.555                 | 19.404               | -0.445          | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 50             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:06 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 7 : Transmit at 2412MHz by 802.11be ( 20MHz)              |                          |



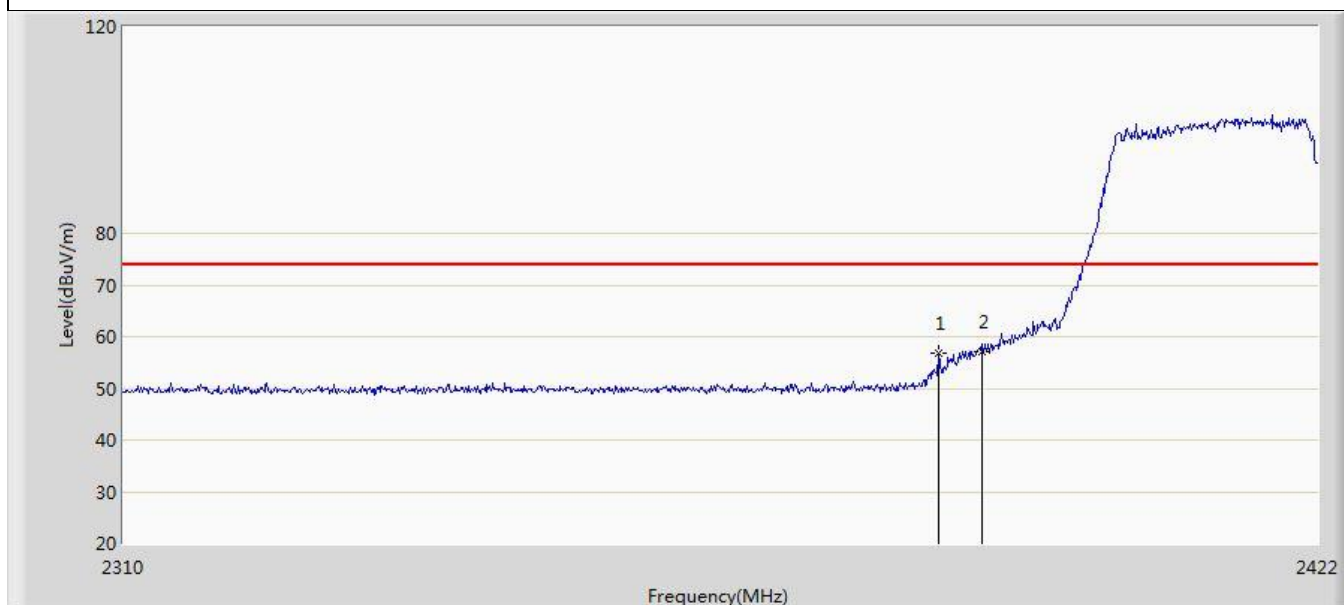
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 68.033                 | 33.882               | -5.967          | 74.000         | 34.151      | PK   |

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|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 51             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:08 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 7 : Transmit at 2412MHz by 802.11be ( 20MHz)              |                          |



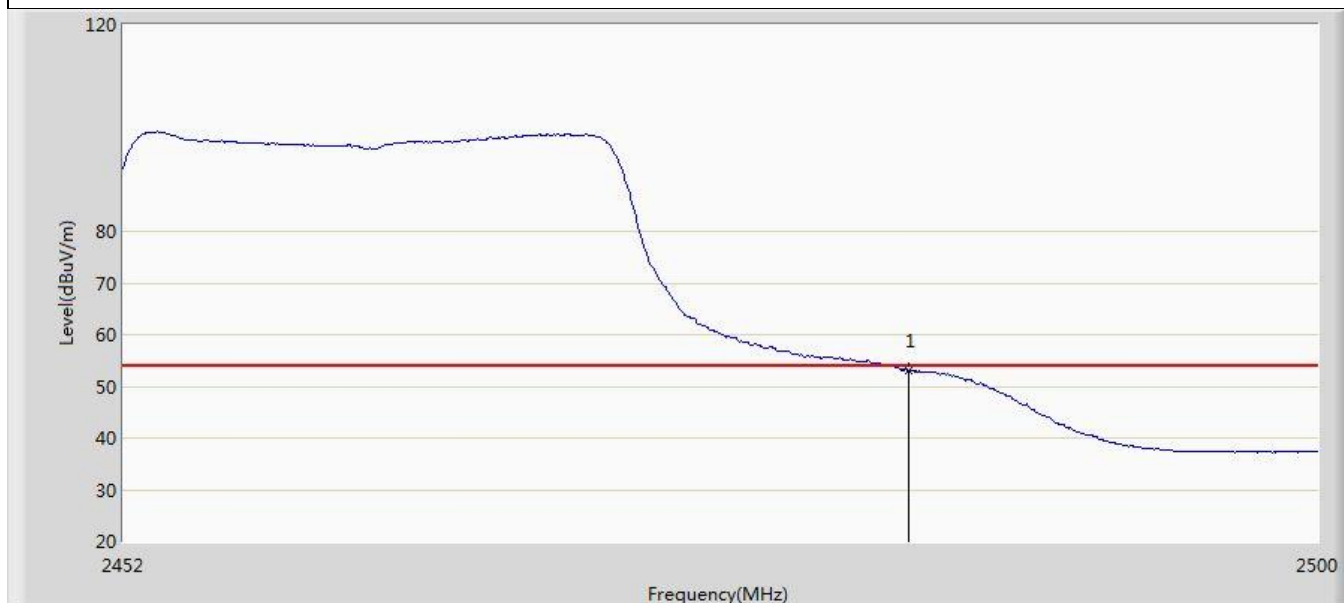
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 43.791                 | 9.640                | -10.209         | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 52             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:09 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 7 : Transmit at 2412MHz by 802.11be ( 20MHz)              |                          |



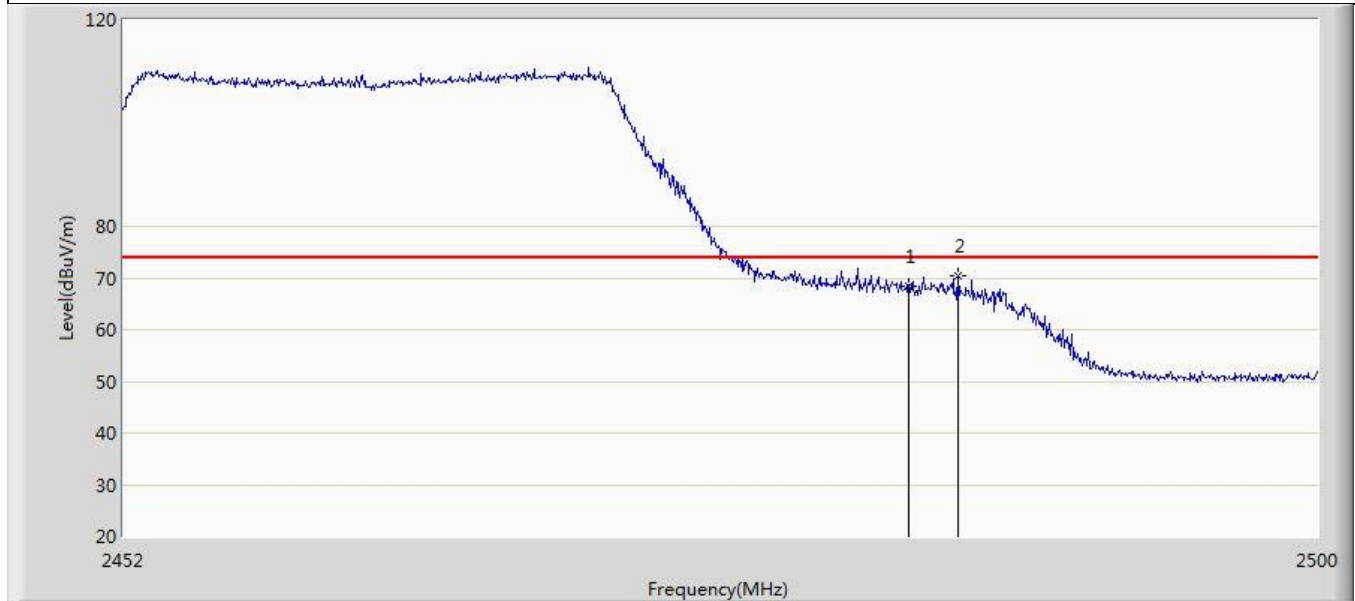
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2385.936        | 56.774                 | 22.641               | -17.226         | 74.000         | 34.133      | PK   |
| 2  | *    | 2390.000        | 57.211                 | 23.060               | -16.789         | 74.000         | 34.151      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 53             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:11 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 7 : Transmit at 2462MHz by 802.11be ( 20MHz)              |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 52.957                 | 18.501               | -1.043          | 54.000         | 34.456      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 54             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:13 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 7 : Transmit at 2462MHz by 802.11be ( 20MHz)              |                          |



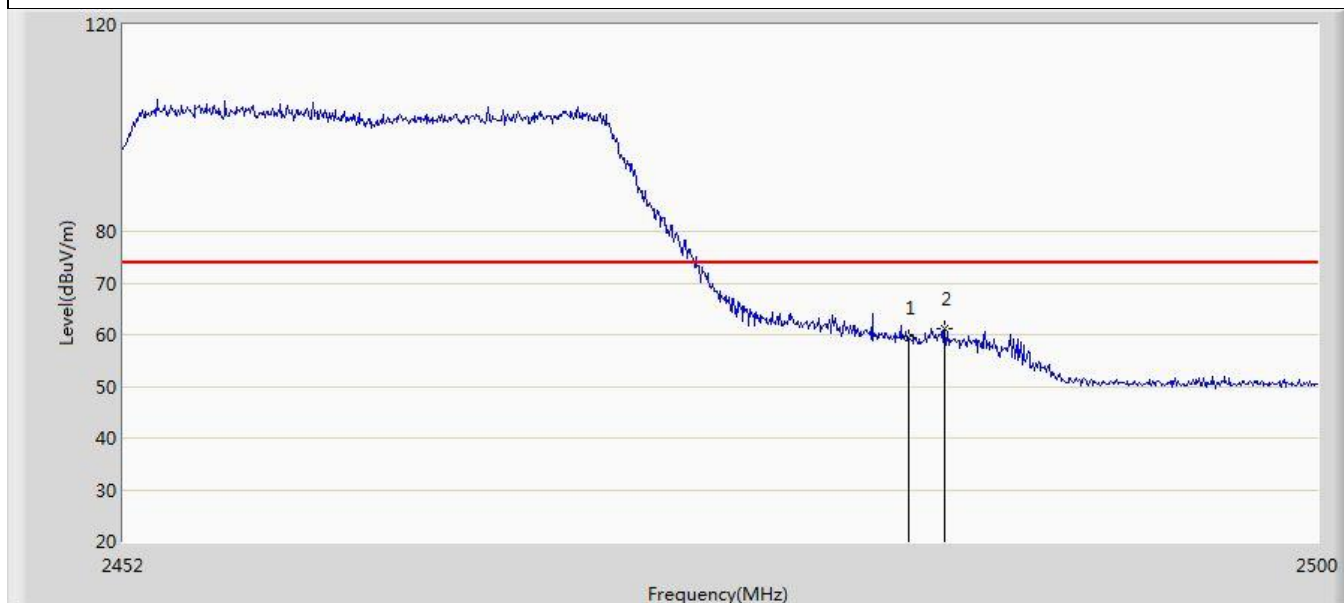
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2483.500        | 68.282                 | 33.826               | -5.718          | 74.000         | 34.456      | PK   |
| 2  | *    | 2485.456        | 70.385                 | 35.908               | -3.615          | 74.000         | 34.478      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 55             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:16 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 7 : Transmit at 2462MHz by 802.11be ( 20MHz)              |                          |



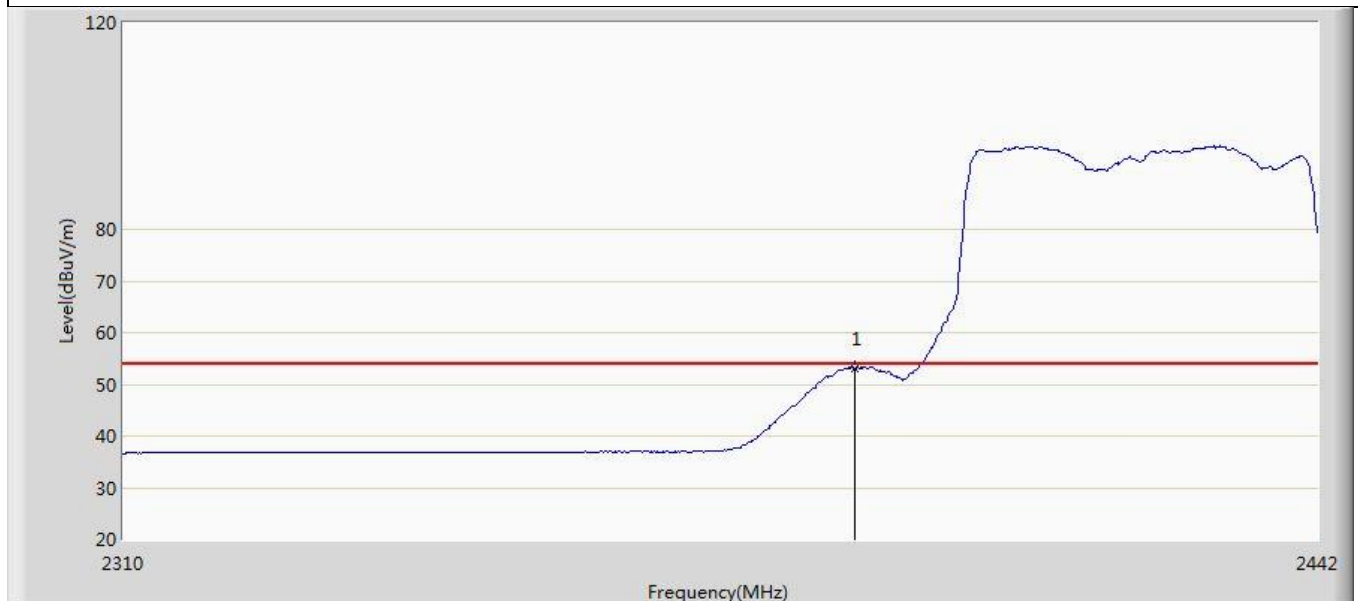
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 44.848                 | 10.392               | -9.152          | 54.000         | 34.456      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 56             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:23 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 7 : Transmit at 2462MHz by 802.11be ( 20MHz)              |                          |



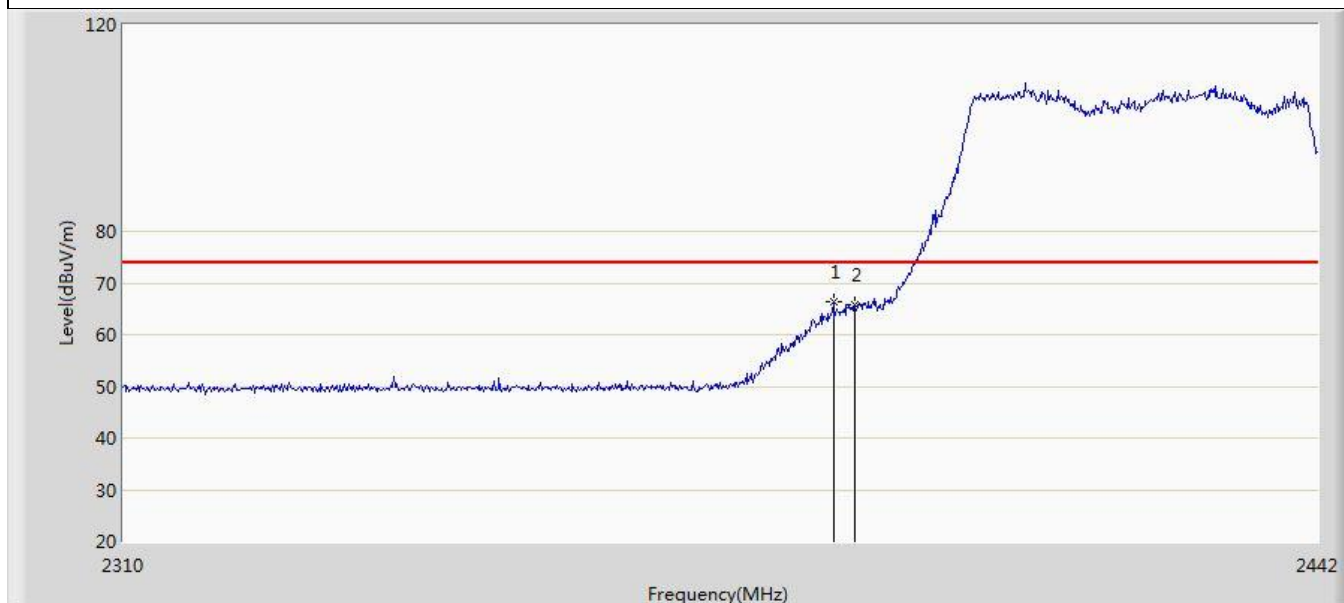
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2483.500        | 59.413                 | 24.957               | -14.587         | 74.000         | 34.456      | PK   |
| 2  | *    | 2484.928        | 61.158                 | 26.686               | -12.842         | 74.000         | 34.472      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 57             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:25 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 8 : Transmit at 2422MHz by 802.11be (40MHz)               |                          |



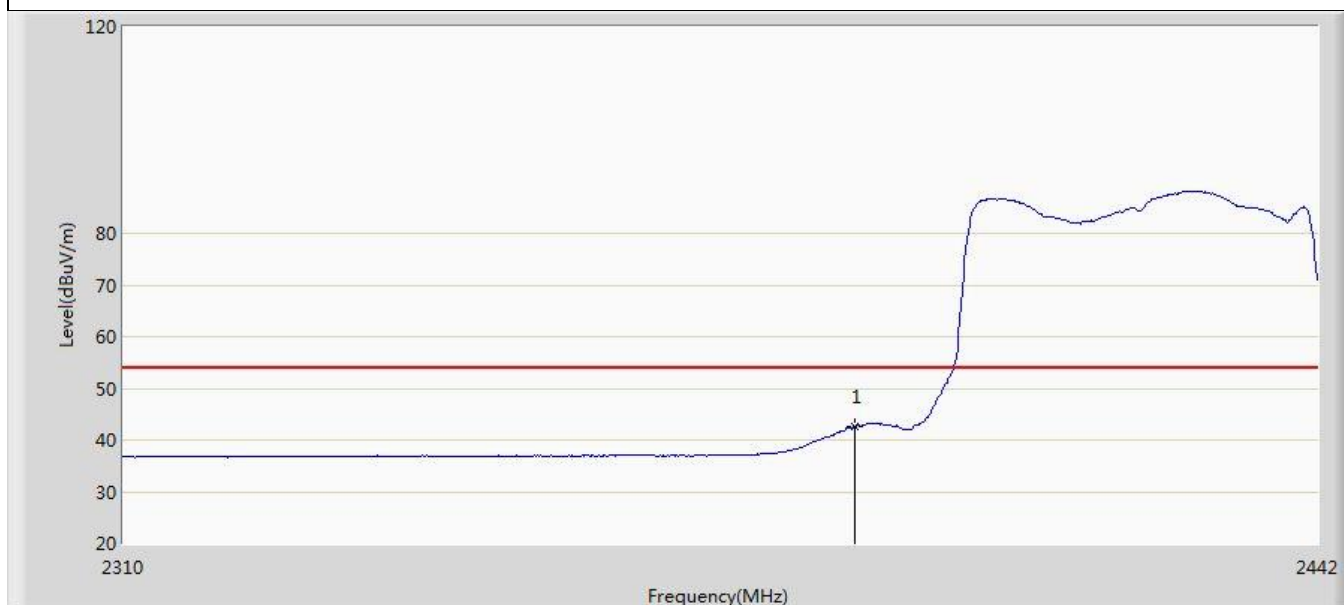
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 53.088                 | 18.937               | -0.912          | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 58             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:27 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 8 : Transmit at 2422MHz by 802.11be ( 40MHz)              |                          |



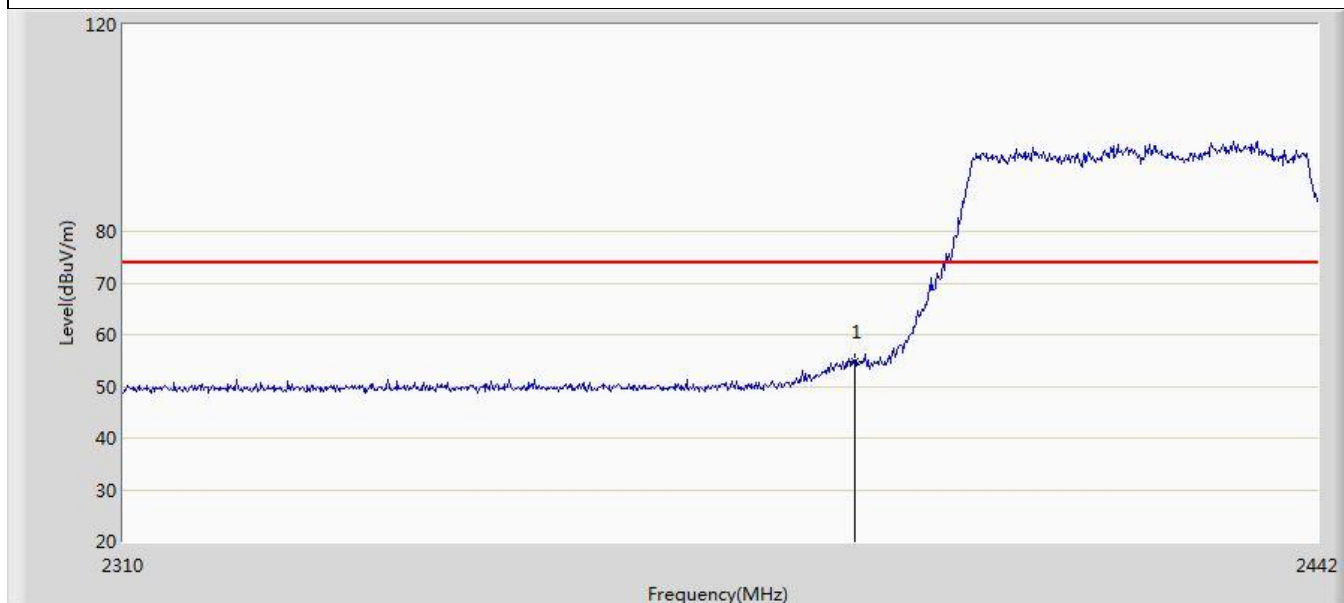
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2387.616        | 66.340                 | 32.199               | -7.660          | 74.000         | 34.140      | PK   |
| 2  |      | 2390.000        | 65.681                 | 31.530               | -8.319          | 74.000         | 34.151      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 59             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:29 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 8 : Transmit at 2422MHz by 802.11be ( 40MHz)              |                          |



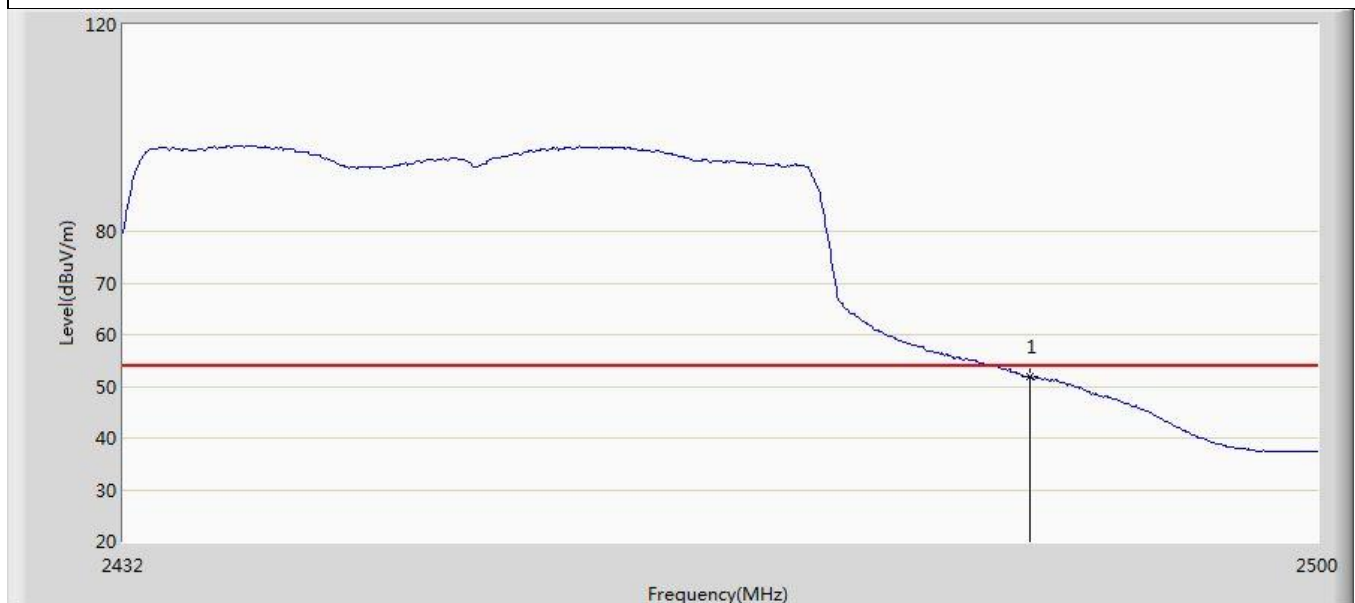
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 42.643                 | 8.492                | -11.357         | 54.000         | 34.151      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 60             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:30 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Vertical       |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 8 : Transmit at 2422MHz by 802.11be ( 40MHz)              |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2390.000        | 54.897                 | 20.746               | -19.103         | 74.000         | 34.151      | PK   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 61             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:32 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 8 : Transmit at 2452MHz by 802.11be ( 40MHz)              |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2483.500        | 51.853                 | 17.397               | -2.147          | 54.000         | 34.456      | AV   |

|                                                                      |                          |
|----------------------------------------------------------------------|--------------------------|
| Profile: 2480675R                                                    | Page No.: 62             |
| Engineer: Yuliu                                                      |                          |
| Site: AC5                                                            | Time: 2024/09/04 - 19:34 |
| Limit: FCC_Part15.209_RE(3m)                                         | Margin: 0                |
| Probe: Horn_3117_00167055(1-18GHz)                                   | Polarity: Horizontal     |
| EUT: WiFi 7 (802.11be) 2x2 Dual Band Dual Concurrent Wireless Module | Power: 3.3 Vdc           |
| Note: Mode 8 : Transmit at 2452MHz by 802.11be ( 40MHz)              |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2483.500        | 65.084                 | 30.628               | -8.916          | 74.000         | 34.456      | PK   |
| 2  | *    | 2487.896        | 65.710                 | 31.206               | -8.290          | 74.000         | 34.505      | PK   |