

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                 |                                                            |                                                                     |                                          |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------|-------------------------------|
| <b>Prüfbericht-Nr.:</b><br><i>Test report no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>CN22KSHE 001</b>                                                                                                                                                             | <b>Auftrags-Nr.:</b><br><i>Order no.:</i>                  | 168371162                                                           | Seite 1 von 15<br>Page 1 of 15           |                               |
| <b>Kunden-Referenz-Nr.:</b><br><i>Client reference no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                           | <b>N/A</b>                                                                                                                                                                      | <b>Auftragsdatum:</b><br><i>Order date:</i>                | 2022-04-01                                                          |                                          |                               |
| <b>Auftraggeber:</b><br><i>Client:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Shenzhen RAKwireless Technology Co.,Ltd.</b><br>Room 506, Building B, New Compark, Pingshan First Road, Taoyuan Street,<br>Nanshan District, Shenzhen, Guangdong, P.R. China |                                                            |                                                                     |                                          |                               |
| <b>Prüfgegenstand:</b><br><i>Test item:</i>                                                                                                                                                                                                                                                                                                                                                                                                                           | WisGate Edge Lite 2                                                                                                                                                             |                                                            |                                                                     |                                          |                               |
| <b>Bezeichnung / Typ-Nr.:</b><br><i>Identification / Type no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                    | RAK7268V2H, RAK7268CV2H<br>(Trademark: RAK, Arduino)                                                                                                                            |                                                            |                                                                     |                                          |                               |
| <b>Auftrags-Inhalt:</b><br><i>Order content:</i>                                                                                                                                                                                                                                                                                                                                                                                                                      | Type Test                                                                                                                                                                       |                                                            |                                                                     |                                          |                               |
| <b>Prüfgrundlage:</b><br><i>Test specification:</i>                                                                                                                                                                                                                                                                                                                                                                                                                   | CFR47 FCC Part 15: Subpart B Section 15.107<br>CFR47 FCC Part 15: Subpart B Section 15.109<br>ICES-003 Issue 7 October 2020                                                     |                                                            |                                                                     |                                          |                               |
| <b>Wareneingangsdatum:</b><br><i>Date of sample receipt:</i>                                                                                                                                                                                                                                                                                                                                                                                                          | 2022-05-11                                                                                                                                                                      | Refer to photos documents                                  |                                                                     |                                          |                               |
| <b>Prüfmuster-Nr.:</b><br><i>Test sample no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                     | A003257041-001 to 003<br>A003257041-008 to 015                                                                                                                                  |                                                            |                                                                     |                                          |                               |
| <b>Prüfzeitraum:</b><br><i>Testing period:</i>                                                                                                                                                                                                                                                                                                                                                                                                                        | 2022-06-02 – 2022-06-22                                                                                                                                                         |                                                            |                                                                     |                                          |                               |
| <b>Ort der Prüfung:</b><br><i>Place of testing:</i>                                                                                                                                                                                                                                                                                                                                                                                                                   | TÜV Rheinland (Shenzhen)<br>Co., Ltd.                                                                                                                                           |                                                            |                                                                     |                                          |                               |
| <b>Prüflaboratorium:</b><br><i>Testing laboratory:</i>                                                                                                                                                                                                                                                                                                                                                                                                                | TÜV Rheinland (Shenzhen)<br>Co., Ltd.                                                                                                                                           |                                                            |                                                                     |                                          |                               |
| <b>Prüfergebnis*:</b><br><i>Test result*:</i>                                                                                                                                                                                                                                                                                                                                                                                                                         | Pass                                                                                                                                                                            |                                                            |                                                                     |                                          |                               |
| <b>geprüft von:</b><br><i>tested by:</i>                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>genehmigt von:</b><br><i>authorized by:</i>                                                                                                                                  |                                                            |                                                                     |                                          |                               |
| <b>Datum:</b><br><i>Date:</i> 2022-06-29                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Ausstellungsdatum:</b><br><i>Issue date:</i> 2022-06-30                                                                                                                      |                                                            |                                                                     |                                          |                               |
| <b>Stellung / Position</b>                                                                                                                                                                                                                                                                                                                                                                                                                                            | Assistant Project Manager                                                                                                                                                       | <b>Stellung / Position</b>                                 | Department Manager                                                  |                                          |                               |
| <b>Sonstiges / Other:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                             | FCC ID: 2AF6B-RAK7268CV2H                                                                                                                                                       |                                                            |                                                                     |                                          |                               |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b><br><i>Condition of the test item at delivery:</i>                                                                                                                                                                                                                                                                                                                                                                | Prüfmuster vollständig und unbeschädigt<br><i>Test item complete and undamaged</i>                                                                                              |                                                            |                                                                     |                                          |                               |
| * Legende:                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 = sehr gut<br>P(ass) = entspricht o.g. Prüfgrundlage(n)                                                                                                                       | 2 = gut<br>F(ail) = entspricht nicht o.g. Prüfgrundlage(n) | 3 = befriedigend<br>F(ail) = entspricht nicht o.g. Prüfgrundlage(n) | 4 = ausreichend<br>N/A = nicht anwendbar | 5 = mangelhaft<br>N/T = nicht |
| * Legend:                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 = very good<br>P(ass) = passed a.m. test specification(s)                                                                                                                     | 2 = good<br>F(ail) = failed a.m. test specification(s)     | 3 = satisfactory<br>F(ail) = failed a.m. test specification(s)      | 4 = sufficient<br>N/A = not applicable   | 5 = poor<br>N/T = not tested  |
| <p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b></p> <p><i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p> |                                                                                                                                                                                 |                                                            |                                                                     |                                          |                               |

**Prüfbericht - Nr.:** CN22KSHE 001  
*Test report no.*

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## ***Test Summary***

5.1 Conducted emissions  
RESULT: Pass  
5.2 Radiated emissions  
RESULT: Pass

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# 1 General Remarks

## 1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:  
Appendix A: Test result.

# 2 Test Sites

## 2.1 Test Facilities

**TÜV Rheinland (Shenzhen) Co., Ltd.**

No. 362 Huanguan Road Middle, Longhua District, Shenzhen 518110, People's Republic of China

FCC Registration No.: 694916

IC Registration No.: 25069, CAB identifier: CN0078

## 2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

| Radiated Emission Testing       |              |                     |                |            |
|---------------------------------|--------------|---------------------|----------------|------------|
| Equipment                       | Manufacturer | Model No.           | Serial No.     | Cal. Until |
| 3m SAC                          | ETS-Lindgren | SAC3                | CT001632-Q1362 | 2024-04-26 |
| EMI Test Receiver               | R&S          | ESR7                | 102111         | 2022-12-01 |
| Horn Antenna                    | R&S          | HF907               | 102706         | 2022-08-07 |
| Preamplifier (1-18GHz)          | FIT          | SCU-18F             | 180077         | 2022-08-13 |
| Active magnetic loop antenna    | SCHWARZBECK  | FMZB1519B           | 00080          | 2022-09-08 |
| Trilog-Broadband antenna        | SCHWARZBECK  | VULB9168            | 0945           | 2022-12-12 |
| EMC32 test software             | R&S          | EMC32(Ver.10.50.00) | N/A            | N/A        |
| Conducted Emissions testing     |              |                     |                |            |
| Equipment                       | Manufacturer | Model No.           | Serial No.     | Cal. Until |
| EMI Test Receiver               | R&S          | ESR3                | 102428         | 2022-08-10 |
| Artificial Mains Network        | R&S          | ENV216              | 102333         | 2022-08-10 |
| Impedance Stabilisation Network | R&S          | ENY81               | 100323         | 2022-08-11 |
| EMC32 test software             | R&S          | EMC32(Ver.10.50.00) | N/A            | N/A        |

## 2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

## 2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

## 2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table

| Test                          | Parameters                            | uncertainty                    |
|-------------------------------|---------------------------------------|--------------------------------|
| Conducted Emission            | Conducted emission 150kHz-30MHz (AMN) | $\pm 3.70$ dB<br>$\pm 3.30$ dB |
| Radiated Emission<br>(3m SAC) | Radiated emission 30MHz-1GHz          | $\pm 4.52$ dB                  |
|                               | Radiated emission 1GHz-18GHz          | $\pm 4.37$ dB                  |

## 2.6 Location of Original Data

The original copies of all test data taken during actual testing were at this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

## 2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at No. 362 Huanguan Road Middle, Longhua District, Shenzhen 518110, People's Republic of China. is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

## 3 General Product Information

### 3.1 Product Function and Intended Use

The EUTs are a WisGate Edge Lite 2, which supports 2.4GHz Wi-Fi, BLE, Lora and/or LTE functions.

For model: RAK7268V2H

Note: This product contains transmitter modules, the Lora module is optional.

|                                      |                                                                |
|--------------------------------------|----------------------------------------------------------------|
| 2.4GHz Wi-Fi module<br>Model: RAK634 | Contains FCC ID: 2AF6B-RAK634<br>Contains IC: 25908-RAK634     |
| BLE module<br>Model: RAK13400        | Contains FCC ID: 2AF6B-RAK13400<br>Contains IC: 25908-RAK13400 |
| Lora module<br>Model: RAK5146        | Contains FCC ID: 2AF6B-RAK5146<br>Contains IC: 25908-RAK5146   |
| Lora module<br>Model: RAK2287X       | Contains FCC ID: 2AF6B-RAK2287X<br>Contains IC: 25908-RAK2287X |

For model: RAK7268CV2H

Note: This product contains transmitter modules, the Lora module is optional.

|                                      |                                                                    |
|--------------------------------------|--------------------------------------------------------------------|
| LTE module<br>Model: EG95-NA         | Contains FCC ID: XMR201807EG95NA<br>Contains IC: 10224A-2018EG95NA |
| 2.4GHz Wi-Fi module<br>Model: RAK634 | Contains FCC ID: 2AF6B-RAK634<br>Contains IC: 25908-RAK634         |
| BLE module<br>Model: RAK13400        | Contains FCC ID: 2AF6B-RAK13400<br>Contains IC: 25908-RAK13400     |
| Lora module<br>Model: RAK5146        | Contains FCC ID: 2AF6B-RAK5146<br>Contains IC: 25908-RAK5146       |
| Lora module<br>Model: RAK2287X       | Contains FCC ID: 2AF6B-RAK2287X<br>Contains IC: 25908-RAK2287X     |

For details refer to the User Manual, Technical Description and Circuit Diagram.

## 3.2 Ratings and System Details

Table 2: Technical Specification of EUT

| General Information of EUT | Value                                                                                                                                                                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Kind of Equipment          | WisGate Edge Lite 2                                                                                                                                                                                                                                            |
| Type Designation           | RAK7268V2H, RAK7268CV2H                                                                                                                                                                                                                                        |
| Trade Mark                 | RAK, Arduino                                                                                                                                                                                                                                                   |
| FCC ID                     | 2AF6B-RAK7268CV2H                                                                                                                                                                                                                                              |
| Input Voltage              | DC 12V via AC/DC Adapter or<br>DC 37 ~57V via POE adapter                                                                                                                                                                                                      |
| Testing Voltage            | AC 120V, 60Hz or DC 48V                                                                                                                                                                                                                                        |
| AC/DC Adapter information  | Model #1: AD-0241200200US-1<br>Model #2: PSY1202000US<br>Model #3: PSYC1202000<br><br>Rating for all models:<br>Input: AC 100-240V, 50/60Hz, 0.6A Max<br>Output: DC 12.0V, 2A 24.0W<br><br>Note: Model #2 is identical with model # 3 except the type of plug. |

## 3.3 Independent Operation Modes

The basic operation modes are:

A, On, WIFI link + BLE link + Lora link , powered by AC adapter

B, On, WIFI link + BLE link + Lora link, powered by POE adapter

C, Off

## 3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

## 3.5 Submitted Documents

- Block Diagram
- Photo Document
- Schematics
- User Manual

## 4 Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

**Emission:** The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

### 4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.4: 2014.

According to clause 3.1, all test were applied on model RAK7268V2H & RAK7268CV2H with AC/DC Adapter #1 & #3.

### 4.3 Special Accessories and Auxiliary Equipment

Table 3: List of Accessories and Auxiliary Equipment

| Description                         | Manufacturer    | Model No.     | Serial Number or Rating                                               |
|-------------------------------------|-----------------|---------------|-----------------------------------------------------------------------|
| Wideband Radio Communication Tester | Rohde & Schwarz | CMW500        | 166305                                                                |
| Portable Laptop                     | Lenovo          | ThinkPad T480 | 10Q67059                                                              |
| POE Adapter                         | RAK             | R012-4800500  | Input: AC 100-240V, 50/60Hz, 0.6A Max<br>Output: DC 48.0V, 0.5A 24.0W |

### 4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

## 4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

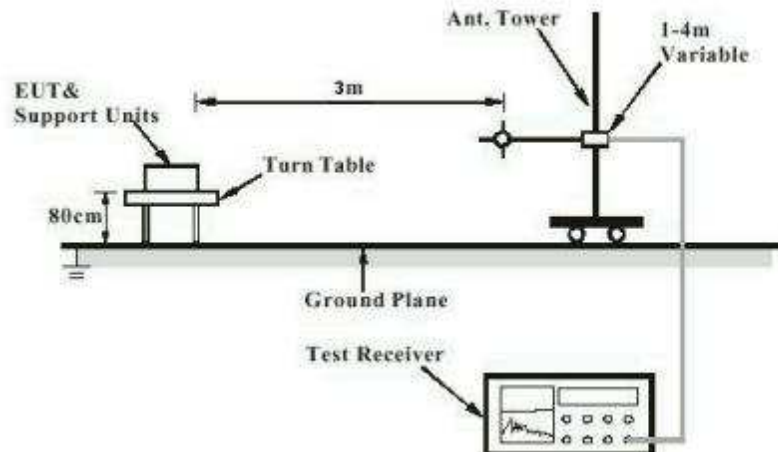


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

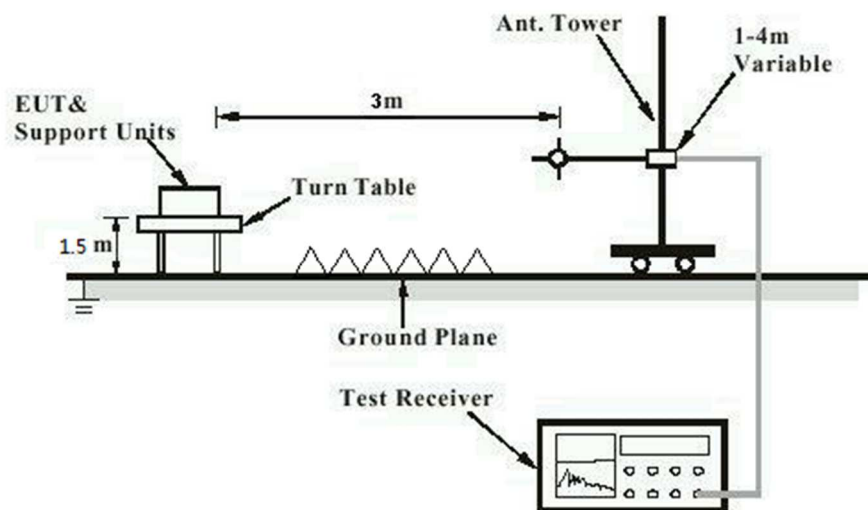
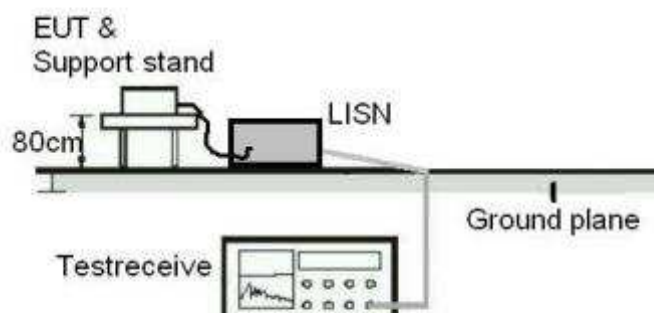


Diagram of Measurement Configuration for Mains Conduction Measurement



## 5 Test Results

### 5.1 Conducted emissions

RESULT:

Pass

#### Test Specification

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| Test standard     | : FCC Part 15.107(a)<br>ICES-003 Issue 7, Clause 3.2.1 |
| Basic standard    | : ANSI C63.4: 2014                                     |
| Frequency range   | : 150KHz - 30MHz                                       |
| Classification    | : Class B                                              |
| Limit             | : FCC Part 15.107(a) & ICES-003 Table 1                |
| Kind of test site | : Shielded Room                                        |

#### Test Setup

|                      |                            |
|----------------------|----------------------------|
| Date of testing      | : 2022-06-02 to 2022-06-22 |
| Input voltage        | : AC 120V, 60Hz            |
| Operation mode       | : A                        |
| Earthing             | : Not Connected            |
| Ambient temperature  | : Refer to test data       |
| Relative humidity    | : Refer to test data       |
| Atmospheric pressure | : 101 kPa                  |

For the measurement records, refer to appendix A, only the worst case mode are shown in this report.

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Test report no.

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## 5.2 Radiated Emission

**RESULT:**

**Pass**

### Test Specification

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| Test standard     | : FCC Part 15.109(a)<br>ICES-003 Issue 7, Clause 3.2.2   |
| Basic standard    | : ANSI C63.4: 2014                                       |
| Frequency range   | : 30MHz to 5 <sup>th</sup> highest fundamental frequency |
| Classification    | : Class B                                                |
| Limit             | : FCC Part 15.109(a)<br>ICES-003 Table 2 & Table 4       |
| Kind of test site | : 3m Semi-anechoic Chamber & 3m Full-anechoic Chamber    |

### Test Setup

|                      |                            |
|----------------------|----------------------------|
| Date of testing      | : 2022-06-02 to 2022-06-22 |
| Input voltage        | : AC 120V, 60Hz or DC 48V  |
| Operation mode       | : A, B                     |
| Earthing             | : Not Connected            |
| Ambient temperature  | : Refer to test data       |
| Relative humidity    | : Refer to test data       |
| Atmospheric pressure | : 101 kPa                  |

For the measurement records, refer to appendix A, only the worst case mode are shown in this report.

Remark 1: The limit of below radiated emission test data is from FCC part 15.109, it also meet the limit of ICES-003 issue 7.

Remark 2: The host (RAK7268V2H) has been evaluated according to modular: WisLink LPWAN Concentrator with C2PC (FCC ID: 2AF6B-RAK2287X) procedure in test report CN22AG77 001, and the Radiated Spurious Emissions was carried out within frequency range 9 kHz to the fifth harmonics, refer to CN22AG77 001 for details of measurement results.

Remark 3: The host (RAK7268V2H) has been evaluated according to modular: WisLink LPWAN Concentrator with C2PC (FCC ID: 2AF6B-RAK5146) procedure in test report CN22SLLJ 001, and the Radiated Spurious Emissions was carried out within frequency range 9 kHz to the fifth harmonics, refer to CN22SLLJ 001 for details of measurement results.

Remark 4: The host (RAK7268CV2H) has been evaluated according to modular: WisLink LPWAN Concentrator with C2PC (FCC ID: 2AF6B-RAK2287X) procedure in test report CN22CATP 001, and the Radiated Spurious Emissions was carried out within frequency range 9 kHz to the fifth harmonics, refer to CN22CATP 001 for details of measurement results.

Remark 5: The host (RAK7268CV2H) has been evaluated according to modular: WisLink LPWAN Concentrator with C2PC (FCC ID: 2AF6B-RAK5146) procedure in test report CN223ZEA 001, and the Radiated Spurious Emissions was carried out within frequency range 9 kHz to the fifth harmonics, refer to CN223ZEA 001 for details of measurement results.

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**Appendix A**

**Test Results**

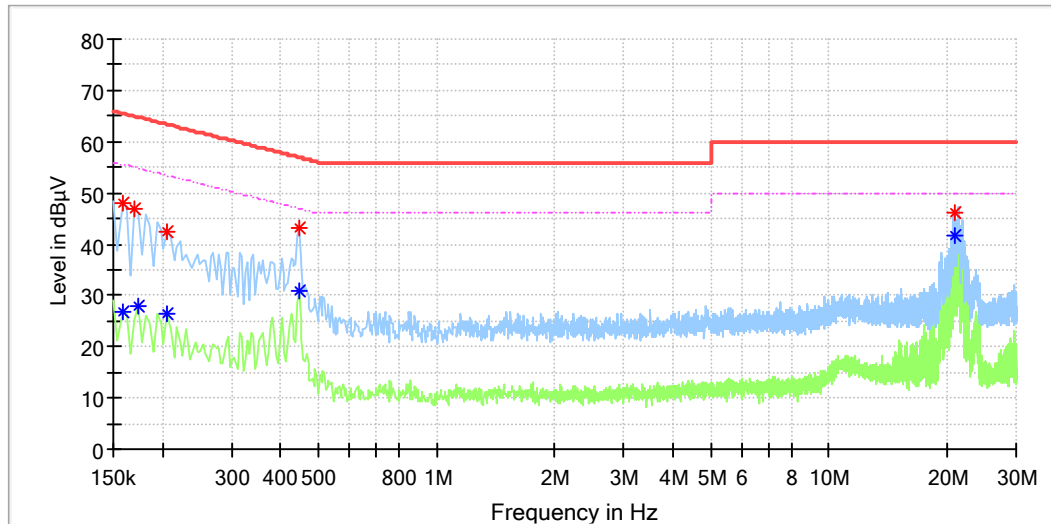
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## 1 Appendix A.1: Test Plots of Conducted Emissions

Model RAK7268CV2H with Lora module RAK2287X

### EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
AC/DC Adapter: AD-0241200200US-1

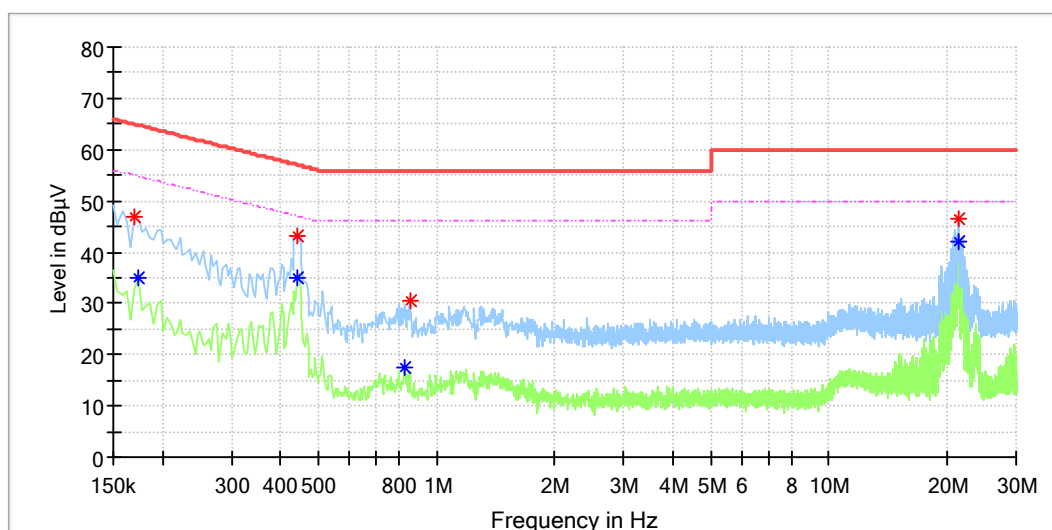


### Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.158000        | ---            | 26.66          | 55.57        | 28.91       | L1   | 9.9        |
| 0.158000        | 48.12          | ---            | 65.57        | 17.45       | L1   | 9.9        |
| 0.170000        | 46.85          | ---            | 64.96        | 18.11       | L1   | 9.9        |
| 0.174000        | ---            | 28.02          | 54.77        | 26.75       | L1   | 9.9        |
| 0.206000        | ---            | 26.36          | 53.37        | 27.00       | L1   | 9.9        |
| 0.206000        | 42.52          | ---            | 63.37        | 20.85       | L1   | 9.9        |
| 0.446000        | ---            | 30.94          | 46.95        | 16.01       | L1   | 9.9        |
| 0.446000        | 43.02          | ---            | 56.95        | 13.93       | L1   | 9.9        |
| 20.878000       | ---            | 41.54          | 50.00        | 8.46        | L1   | 10.4       |
| 20.882000       | 46.04          | ---            | 60.00        | 13.96       | L1   | 10.4       |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
AC/DC Adapter: AD-0241200200US-1

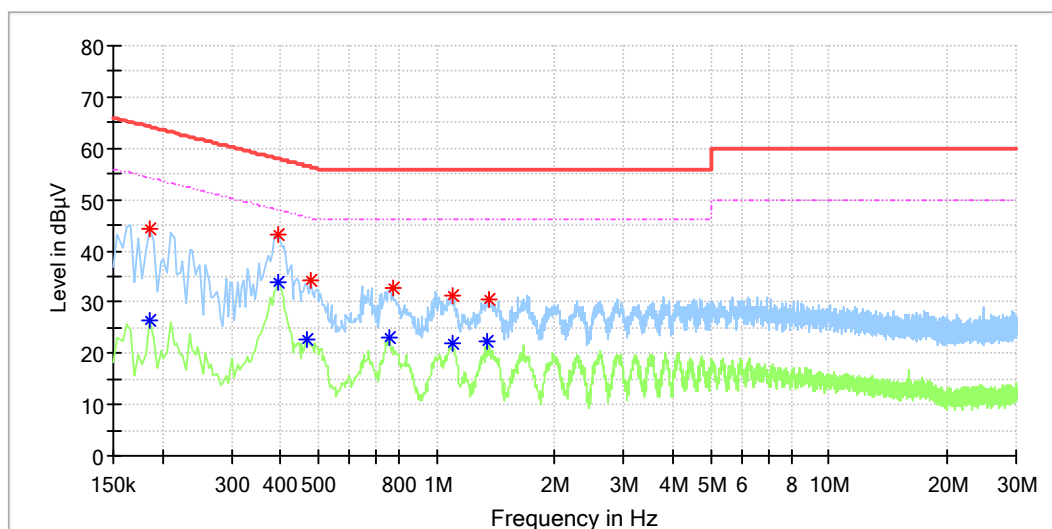


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.170000        | 46.76          | ---            | 64.96        | 18.20       | N    | 9.8        |
| 0.174000        | ---            | 34.88          | 54.77        | 19.88       | N    | 9.8        |
| 0.442000        | 43.01          | ---            | 57.02        | 14.01       | N    | 9.8        |
| 0.442000        | ---            | 34.83          | 47.02        | 12.19       | N    | 9.8        |
| 0.826000        | ---            | 17.57          | 46.00        | 28.43       | N    | 9.8        |
| 0.854000        | 30.37          | ---            | 56.00        | 25.63       | N    | 9.8        |
| 21.442000       | ---            | 41.97          | 50.00        | 8.03        | N    | 10.3       |
| 21.442000       | 46.35          | ---            | 60.00        | 13.65       | N    | 10.3       |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test mode: operating  
Test Voltage: AC 120V/60Hz  
Test By:/Review By: Mac Xie/Gary Chen  
Test Standard: FCC part 15B  
Tem./Hum./Pressure: 24.1°C/52.6%/101kPa  
Remark: SR2  
AC/DC Adapter: PSYC1202000

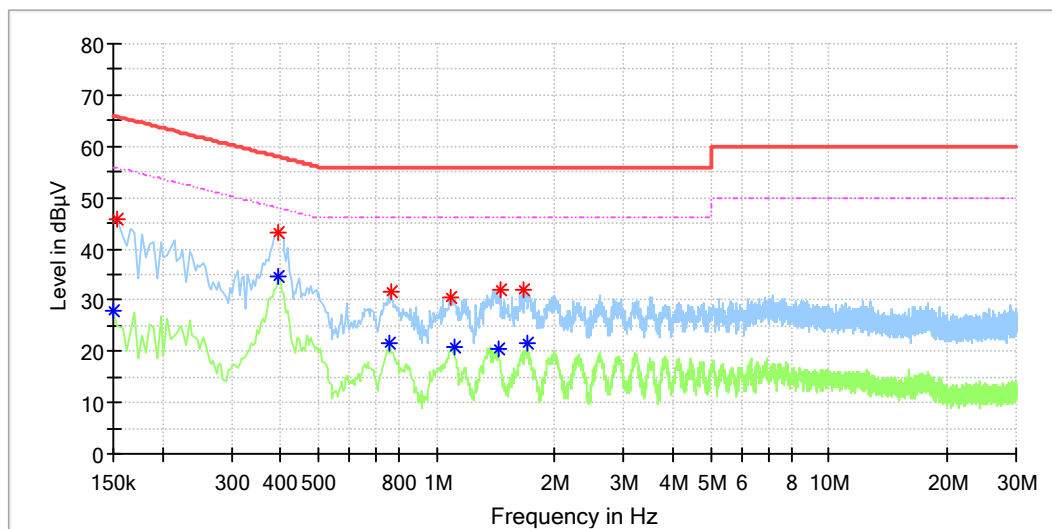


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.186000        | 44.39          | ---            | 64.21        | 19.82       | L1   | 9.9        |
| 0.186000        | ---            | 26.26          | 54.21        | 27.95       | L1   | 9.9        |
| 0.394000        | 43.12          | ---            | 57.98        | 14.86       | L1   | 9.9        |
| 0.394000        | ---            | 34.00          | 47.98        | 13.98       | L1   | 9.9        |
| 0.466000        | ---            | 22.56          | 46.59        | 24.02       | L1   | 10.0       |
| 0.478000        | 34.13          | ---            | 56.37        | 22.25       | L1   | 10.0       |
| 0.762000        | ---            | 23.02          | 46.00        | 22.98       | L1   | 10.0       |
| 0.774000        | 32.80          | ---            | 56.00        | 23.20       | L1   | 10.0       |
| 1.094000        | ---            | 22.06          | 46.00        | 23.94       | L1   | 10.0       |
| 1.094000        | 31.20          | ---            | 56.00        | 24.80       | L1   | 10.0       |
| 1.346000        | ---            | 22.31          | 46.00        | 23.69       | L1   | 10.1       |
| 1.366000        | 30.53          | ---            | 56.00        | 25.47       | L1   | 10.1       |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test mode: operating  
Test Voltage: AC 120V/60Hz  
Test By:/Review By: Mac Xie/Gary Chen  
Test Standard: FCC part 15B  
Tem./Hum./Pressure: 24.1°C/52.6%/101kPa  
Remark: SR2  
AC/DC Adapter: PSYC1202000



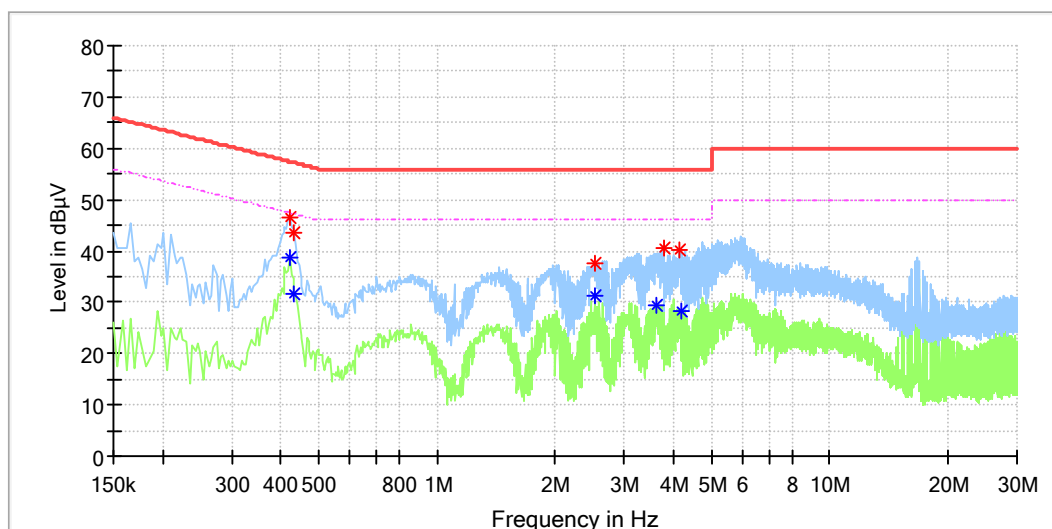
## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.150000        | ---            | 27.91          | 56.00        | 28.09       | N    | 9.8        |
| 0.154000        | 45.84          | ---            | 65.78        | 19.95       | N    | 9.8        |
| 0.394000        | 43.07          | ---            | 57.98        | 14.91       | N    | 9.8        |
| 0.394000        | ---            | 34.60          | 47.98        | 13.38       | N    | 9.8        |
| 0.762000        | ---            | 21.49          | 46.00        | 24.51       | N    | 9.8        |
| 0.766000        | 31.73          | ---            | 56.00        | 24.27       | N    | 9.8        |
| 1.086000        | 30.58          | ---            | 56.00        | 25.42       | N    | 9.8        |
| 1.110000        | ---            | 20.98          | 46.00        | 25.02       | N    | 9.8        |
| 1.438000        | ---            | 20.54          | 46.00        | 25.46       | N    | 9.8        |
| 1.454000        | 32.15          | ---            | 56.00        | 23.85       | N    | 9.8        |
| 1.670000        | 31.90          | ---            | 56.00        | 24.10       | N    | 9.8        |
| 1.702000        | ---            | 21.48          | 46.00        | 24.52       | N    | 9.8        |

Model RAK7268CV2H with Lora module RAK5146

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: SR1  
AC/DC Adapter: AD-0241200200US-1

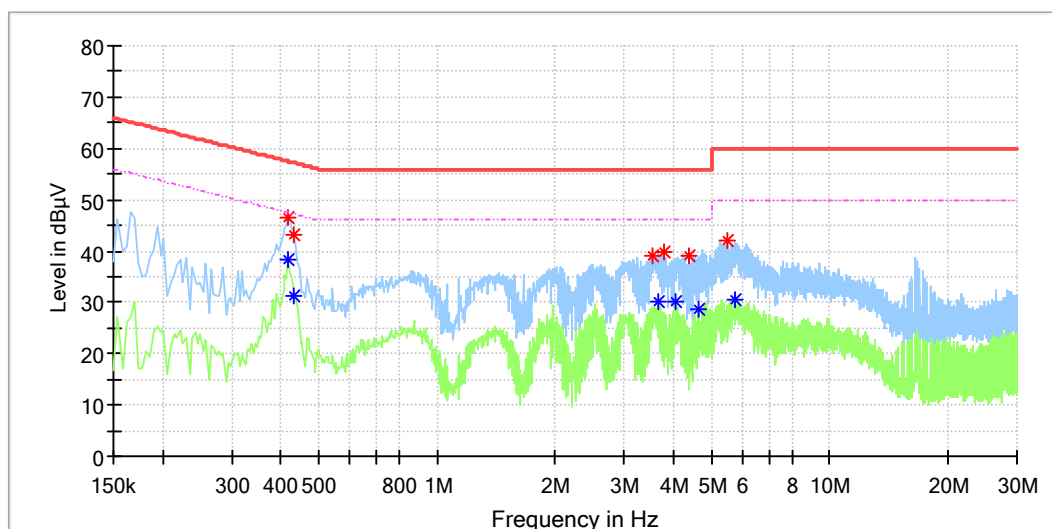


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.422000        | 46.53          | ---            | 57.41        | 10.88       | L1   | 9.9        |
| 0.422000        | ---            | 38.71          | 47.41        | 8.70        | L1   | 9.9        |
| 0.434000        | 43.64          | ---            | 57.18        | 13.54       | L1   | 9.9        |
| 0.434000        | ---            | 31.81          | 47.18        | 15.36       | L1   | 9.9        |
| 2.514000        | 37.70          | ---            | 56.00        | 18.30       | L1   | 10.2       |
| 2.530000        | ---            | 31.18          | 46.00        | 14.82       | L1   | 10.2       |
| 3.602000        | ---            | 29.26          | 46.00        | 16.74       | L1   | 10.2       |
| 3.770000        | 40.54          | ---            | 56.00        | 15.46       | L1   | 10.2       |
| 4.154000        | 40.09          | ---            | 56.00        | 15.91       | L1   | 10.2       |
| 4.194000        | ---            | 28.44          | 46.00        | 17.56       | L1   | 10.2       |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: SR1  
AC/DC Adapter: AD-0241200200US-1



## Critical Freqs

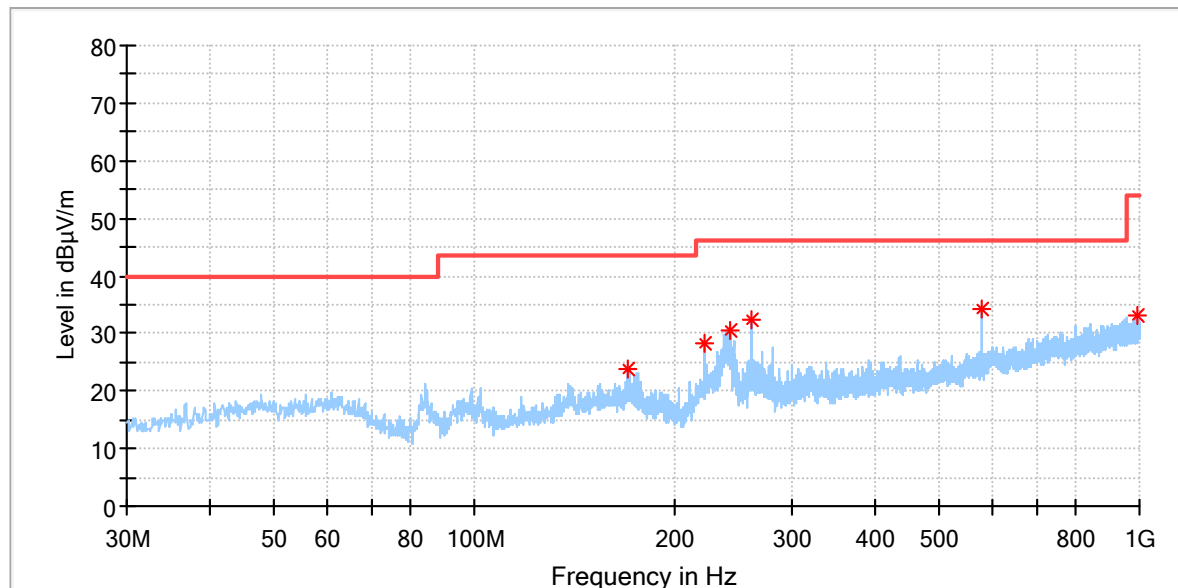
| Frequency (MHz) | MaxPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.418000        | 46.57          | ---            | 57.49        | 10.92       | N    | 9.8        |
| 0.418000        | ---            | 38.40          | 47.49        | 9.09        | N    | 9.8        |
| 0.434000        | 43.04          | ---            | 57.18        | 14.13       | N    | 9.8        |
| 0.434000        | ---            | 31.35          | 47.18        | 15.82       | N    | 9.8        |
| 3.550000        | 39.17          | ---            | 56.00        | 16.83       | N    | 9.9        |
| 3.642000        | ---            | 30.24          | 46.00        | 15.76       | N    | 9.9        |
| 3.786000        | 39.89          | ---            | 56.00        | 16.11       | N    | 9.9        |
| 4.054000        | ---            | 30.16          | 46.00        | 15.84       | N    | 9.9        |
| 4.362000        | 39.04          | ---            | 56.00        | 16.96       | N    | 9.9        |
| 4.650000        | ---            | 28.56          | 46.00        | 17.44       | N    | 9.9        |
| 5.518000        | 41.92          | ---            | 60.00        | 18.08       | N    | 9.9        |
| 5.714000        | ---            | 30.39          | 50.00        | 19.61       | N    | 9.9        |

## 2 Appendix A.2: Test Plots of Radiated Emissions, below 1GHz

Model RAK7268V2H with Lora module RAK2287X

### EUT Information

|                     |                      |
|---------------------|----------------------|
| EUT Name:           | WisGate Edge Lite 2  |
| Model:              | RAK7268V2H           |
| Test Mode:          | Operating Adapter    |
| Test Voltage:       | AC 120V/60Hz         |
| Test By/Review By:  | Jianhua Lu/Gary Chen |
| Test Standard:      | FCC part 15          |
| Tem./Hum./Pressure: | 23.8°C/52.5%/101kPa  |
| Remark:             | 3m chamber           |
| AC/DC Adapter:      | AD-0241200200US-1    |

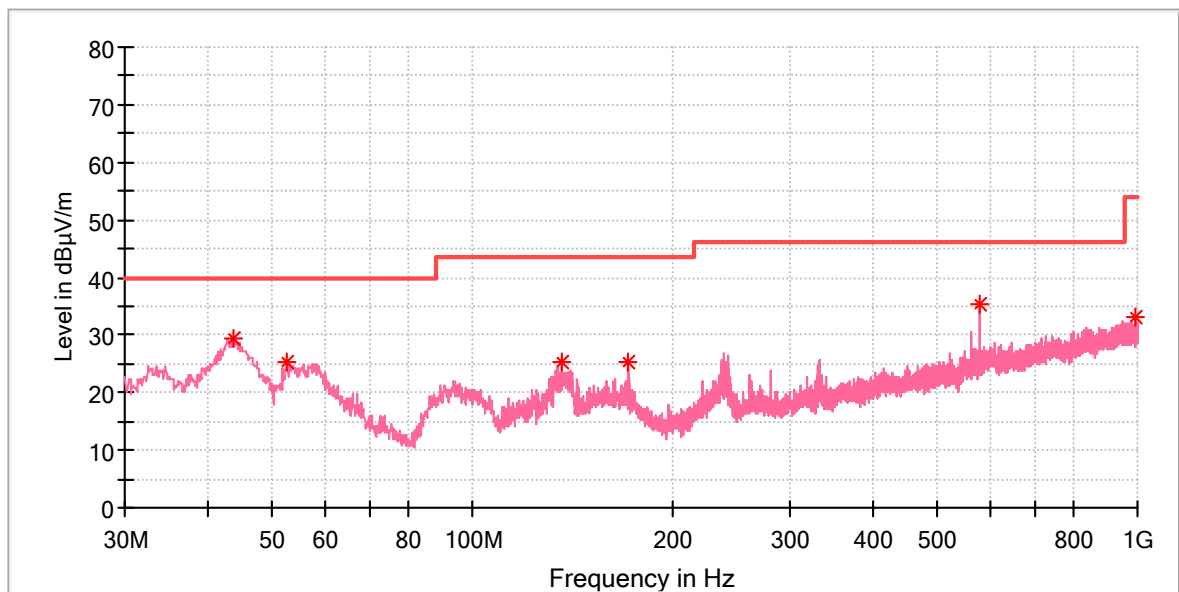


### Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 261.054000      | 32.46            | 46.00          | 13.54       | 100.0       | H   | 6.0           | 20.0         |
| 992.628000      | 33.00            | 54.00          | 21.00       | 100.0       | H   | 225.0         | 32.3         |
| 241.751000      | 30.67            | 46.00          | 15.33       | 100.0       | H   | 228.0         | 18.7         |
| 579.990000      | 34.32            | 46.00          | 11.68       | 200.0       | H   | 0.0           | 26.4         |
| 169.971000      | 23.84            | 43.50          | 19.66       | 200.0       | H   | 334.0         | 21.7         |
| 222.351000      | 28.46            | 46.00          | 17.54       | 200.0       | H   | 334.0         | 18.7         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: AD-0241200200US-1

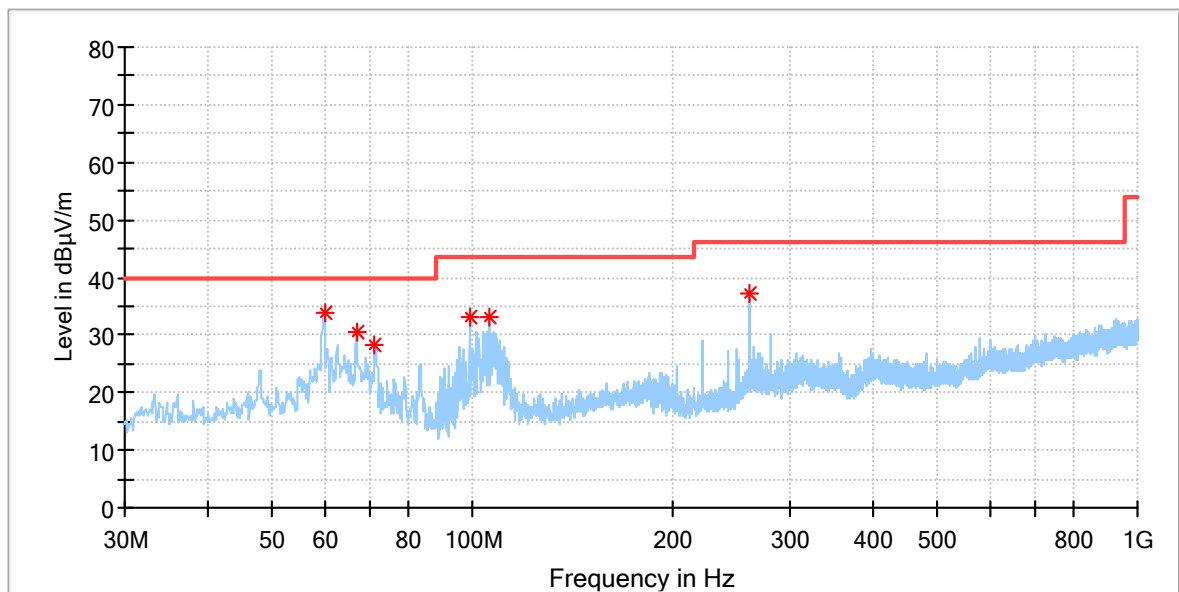


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 43.871000       | 29.31            | 40.00          | 10.69       | 100.0       | V   | 18.0          | 20.5         |
| 171.911000      | 25.12            | 43.50          | 18.38       | 100.0       | V   | 41.0          | 21.3         |
| 996.217000      | 33.21            | 54.00          | 20.79       | 100.0       | V   | 68.0          | 32.3         |
| 579.990000      | 35.47            | 46.00          | 10.53       | 100.0       | V   | 149.0         | 26.4         |
| 52.698000       | 25.18            | 40.00          | 14.82       | 100.0       | V   | 244.0         | 20.9         |
| 136.118000      | 25.26            | 43.50          | 18.24       | 100.0       | V   | 304.0         | 19.8         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating  
Test Voltage: AC 120V/60Hz  
Standard: FCC Part 15  
Test By:/Review By: Mac Xie/Gary Chen  
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: PSYC1202000

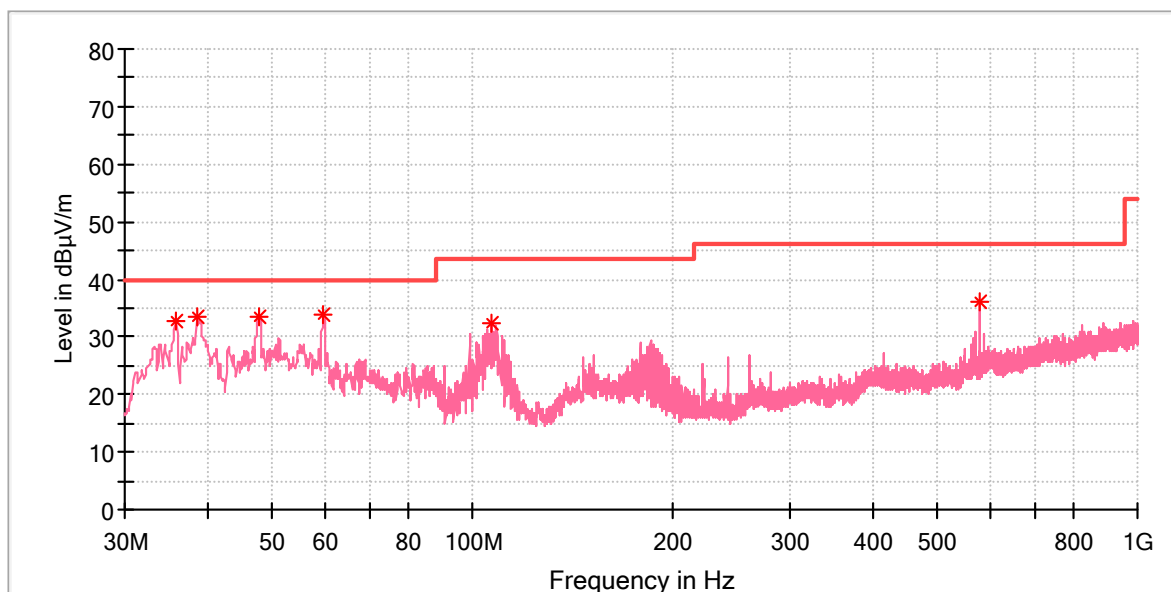


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 59.876000       | 33.88            | 40.00          | 6.12        | 200.0       | H   | 178.0         | 20.9         |
| 66.860000       | 30.42            | 40.00          | 9.58        | 100.0       | H   | 180.0         | 19.5         |
| 71.419000       | 28.39            | 40.00          | 11.61       | 200.0       | H   | 178.0         | 17.9         |
| 98.967000       | 33.24            | 43.50          | 10.26       | 200.0       | H   | 30.0          | 17.0         |
| 105.854000      | 33.03            | 43.50          | 10.47       | 200.0       | H   | 30.0          | 17.5         |
| 260.957000      | 37.04            | 46.00          | 8.96        | 100.0       | H   | 219.0         | 20.0         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating  
Test Voltage: AC 120V/60Hz  
Standard: FCC Part 15  
Test By:/Review By: Mac Xie/Gary Chen  
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: PSYC1202000

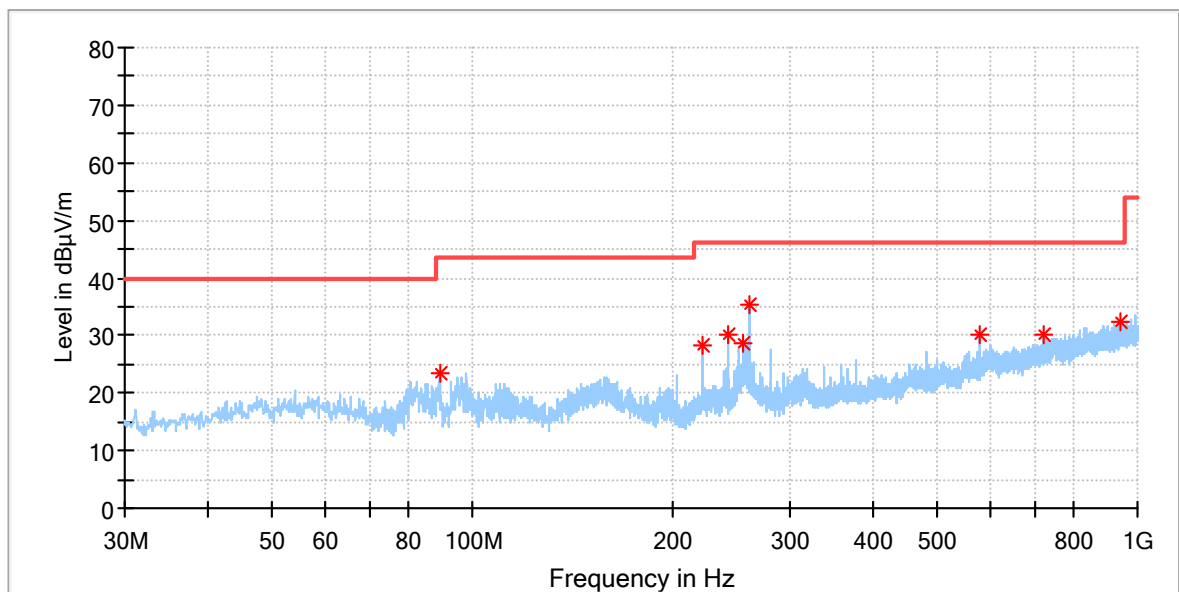


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 35.820000       | 32.90            | 40.00          | 7.10        | 100.0       | V   | 110.0         | 18.7         |
| 38.536000       | 33.36            | 40.00          | 6.64        | 100.0       | V   | 110.0         | 19.2         |
| 47.654000       | 33.59            | 40.00          | 6.41        | 100.0       | V   | 78.0          | 21.3         |
| 59.682000       | 33.68            | 40.00          | 6.32        | 100.0       | V   | 275.0         | 21.0         |
| 106.630000      | 32.32            | 43.50          | 11.18       | 100.0       | V   | 32.0          | 17.6         |
| 579.990000      | 35.98            | 46.00          | 10.02       | 100.0       | V   | 219.0         | 26.4         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating POE  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber

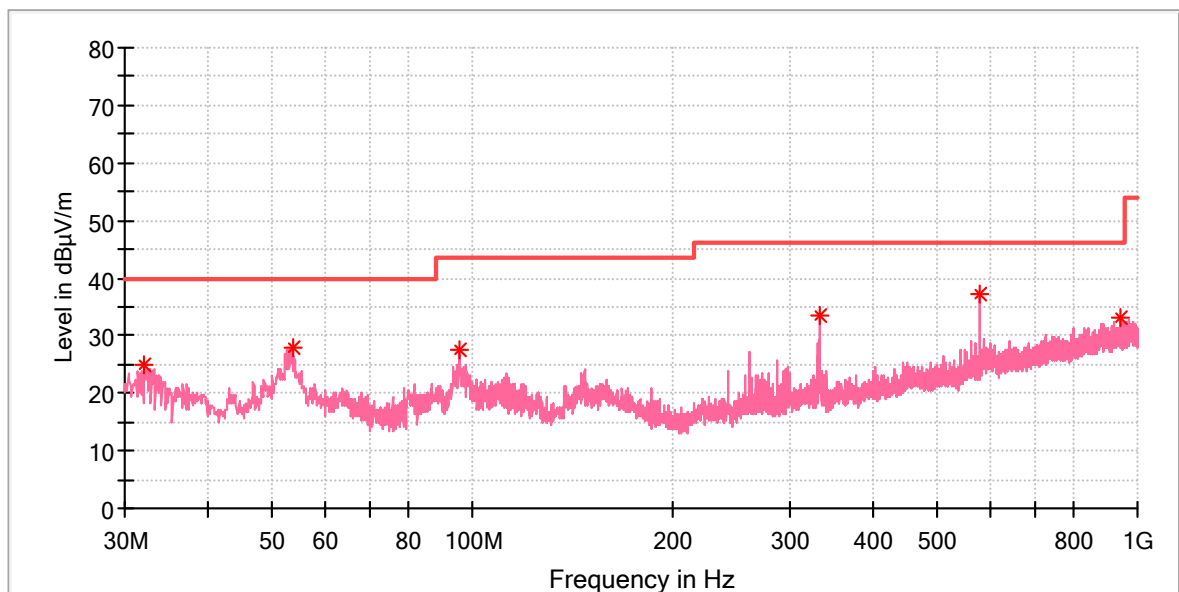


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 89.170000       | 23.58            | 43.50          | 19.92       | 200.0       | H   | 167.0         | 15.3         |
| 222.351000      | 28.34            | 46.00          | 17.66       | 100.0       | H   | 0.0           | 18.7         |
| 241.654000      | 30.32            | 46.00          | 15.68       | 200.0       | H   | 242.0         | 18.7         |
| 256.010000      | 28.52            | 46.00          | 17.48       | 100.0       | H   | 219.0         | 19.6         |
| 260.957000      | 35.24            | 46.00          | 10.76       | 200.0       | H   | 186.0         | 20.0         |
| 579.990000      | 30.14            | 46.00          | 15.86       | 200.0       | H   | 344.0         | 26.4         |
| 723.744000      | 29.96            | 46.00          | 16.04       | 200.0       | H   | 223.0         | 29.5         |
| 941.121000      | 32.48            | 46.00          | 13.52       | 200.0       | H   | 328.0         | 32.3         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating POE  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber



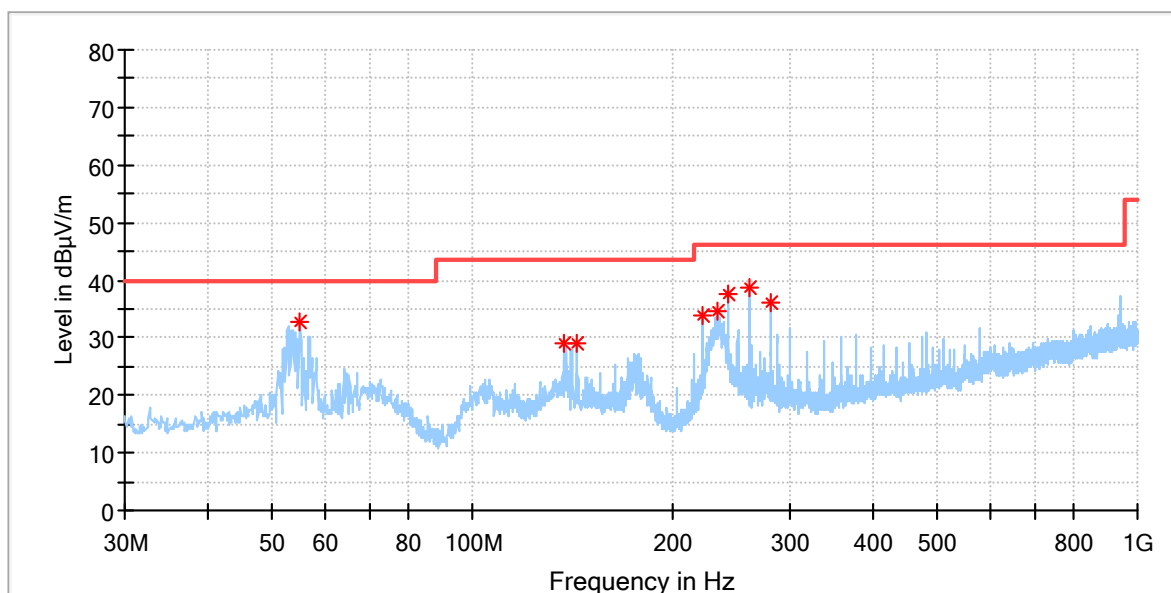
## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 95.572000       | 27.72            | 43.50          | 15.78       | 100.0       | V   | 24.0          | 16.4         |
| 32.134000       | 24.87            | 40.00          | 15.13       | 100.0       | V   | 48.0          | 17.8         |
| 53.571000       | 27.97            | 40.00          | 12.03       | 100.0       | V   | 279.0         | 20.9         |
| 579.990000      | 37.06            | 46.00          | 8.94        | 100.0       | V   | 333.0         | 26.4         |
| 331.864000      | 33.57            | 46.00          | 12.43       | 200.0       | V   | 26.0          | 21.4         |
| 942.479000      | 33.16            | 46.00          | 12.84       | 200.0       | V   | 321.0         | 32.2         |

Model RAK7268V2H with Lora module RAK5146

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: AD-0241200200US-1

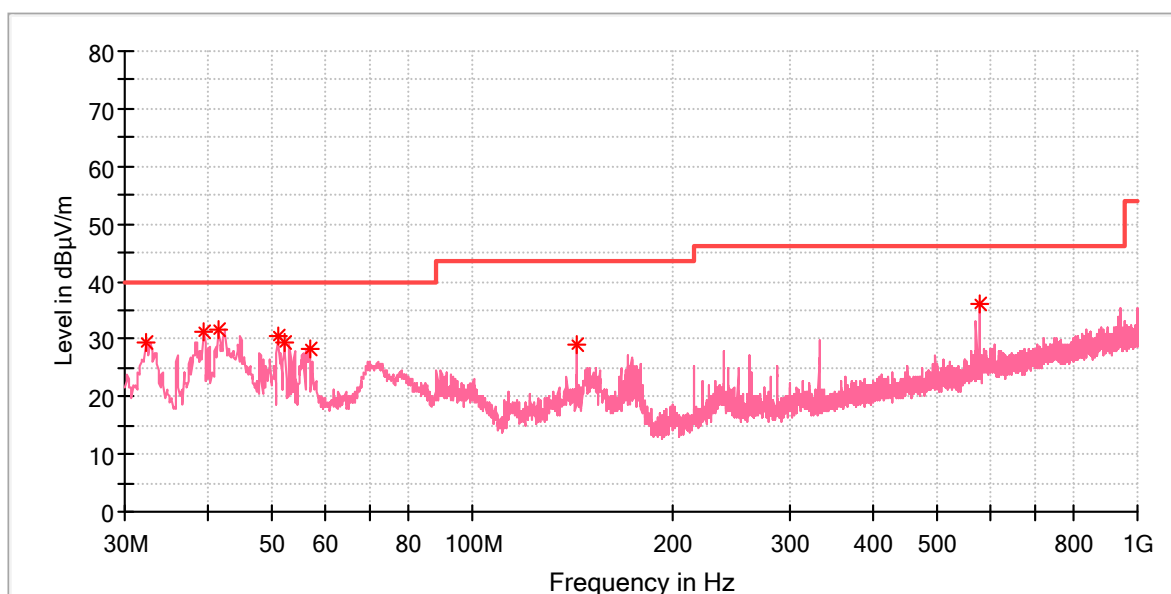


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 55.026000       | 32.79            | 40.00          | 7.21        | 200.0       | H   | 344.0         | 21.1         |
| 137.670000      | 28.96            | 43.50          | 14.54       | 200.0       | H   | 353.0         | 20.0         |
| 143.296000      | 29.09            | 43.50          | 14.41       | 200.0       | H   | 200.0         | 20.2         |
| 222.254000      | 33.69            | 46.00          | 12.31       | 100.0       | H   | 163.0         | 18.7         |
| 233.312000      | 34.62            | 46.00          | 11.38       | 100.0       | H   | 186.0         | 18.8         |
| 241.654000      | 37.65            | 46.00          | 8.35        | 100.0       | H   | 163.0         | 18.7         |
| 260.957000      | 38.65            | 46.00          | 7.35        | 100.0       | H   | 139.0         | 20.0         |
| 280.260000      | 36.09            | 46.00          | 9.91        | 100.0       | H   | 53.0          | 20.1         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: AD-0241200200US-1

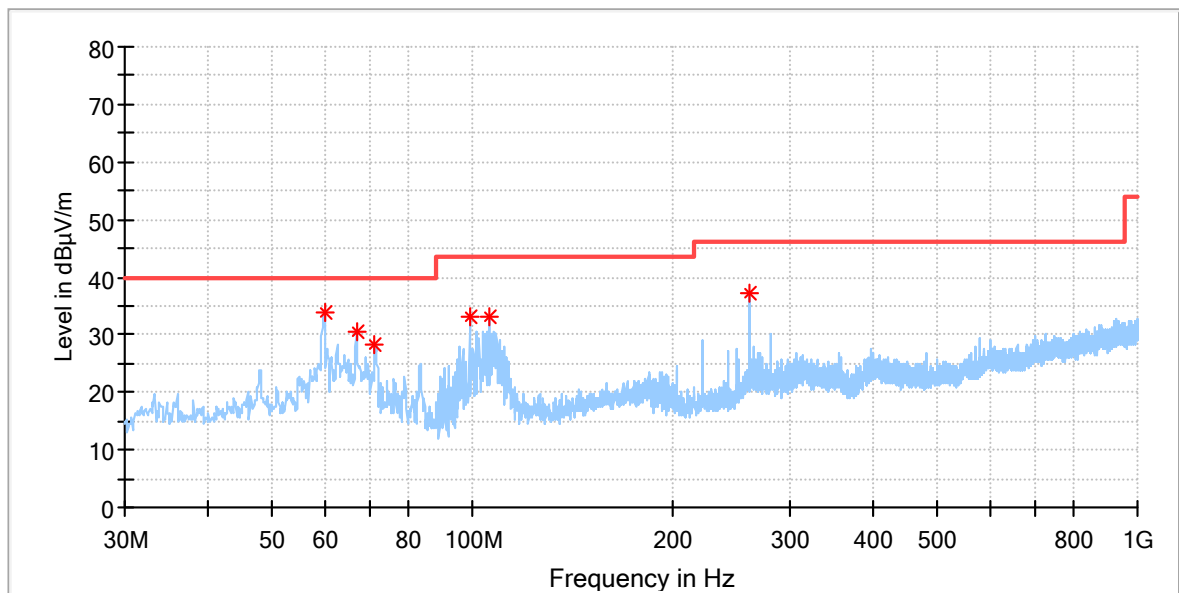


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 32.328000       | 29.55            | 40.00          | 10.45       | 200.0       | V   | 300.0         | 17.9         |
| 39.409000       | 31.38            | 40.00          | 8.62        | 200.0       | V   | 95.0          | 19.4         |
| 41.543000       | 31.70            | 40.00          | 8.30        | 200.0       | V   | 95.0          | 19.9         |
| 51.049000       | 30.68            | 40.00          | 9.32        | 200.0       | V   | 252.0         | 20.8         |
| 52.116000       | 29.46            | 40.00          | 10.54       | 200.0       | V   | 252.0         | 20.9         |
| 56.966000       | 28.18            | 40.00          | 11.82       | 200.0       | V   | 252.0         | 21.3         |
| 143.199000      | 28.89            | 43.50          | 14.61       | 100.0       | V   | 306.0         | 20.2         |
| 579.990000      | 36.23            | 46.00          | 9.77        | 100.0       | V   | 82.0          | 26.4         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating  
Test Voltage: AC 120V/60Hz  
Standard: FCC Part 15  
Test By:/Review By: Mac Xie/Gary Chen  
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: PSYC1202000

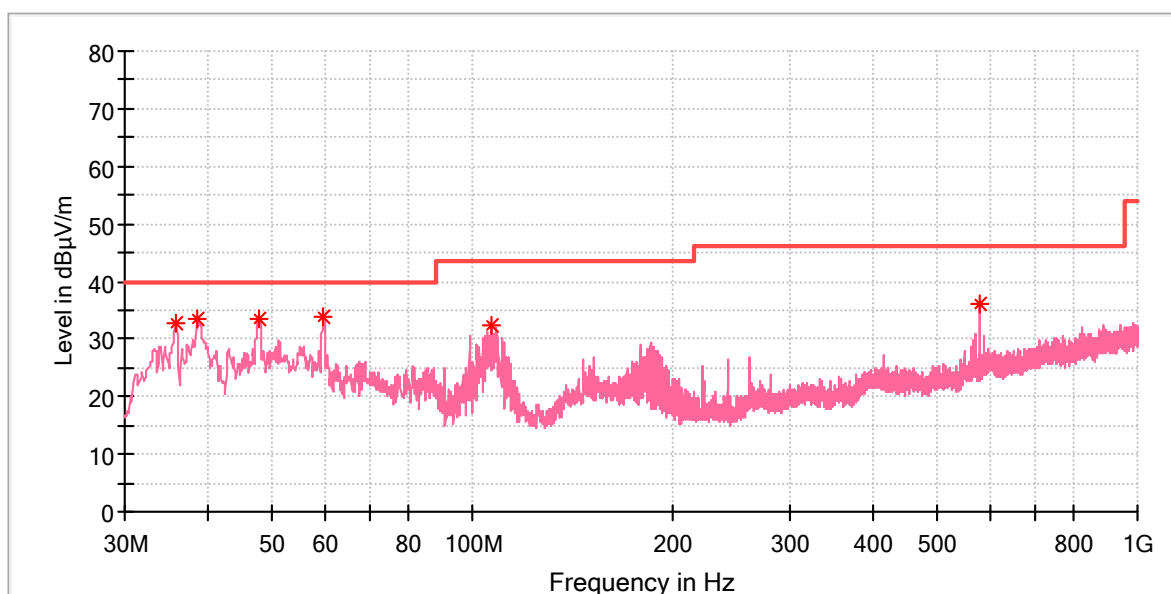


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 59.876000       | 33.88            | 40.00          | 6.12        | 200.0       | H   | 178.0         | 20.9         |
| 66.860000       | 30.42            | 40.00          | 9.58        | 100.0       | H   | 180.0         | 19.5         |
| 71.419000       | 28.39            | 40.00          | 11.61       | 200.0       | H   | 178.0         | 17.9         |
| 98.967000       | 33.24            | 43.50          | 10.26       | 200.0       | H   | 30.0          | 17.0         |
| 105.854000      | 33.03            | 43.50          | 10.47       | 200.0       | H   | 30.0          | 17.5         |
| 260.957000      | 37.04            | 46.00          | 8.96        | 100.0       | H   | 219.0         | 20.0         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating  
Test Voltage: AC 120V/60Hz  
Standard: FCC Part 15  
Test By:/Review By: Mac Xie/Gary Chen  
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: PSYC1202000

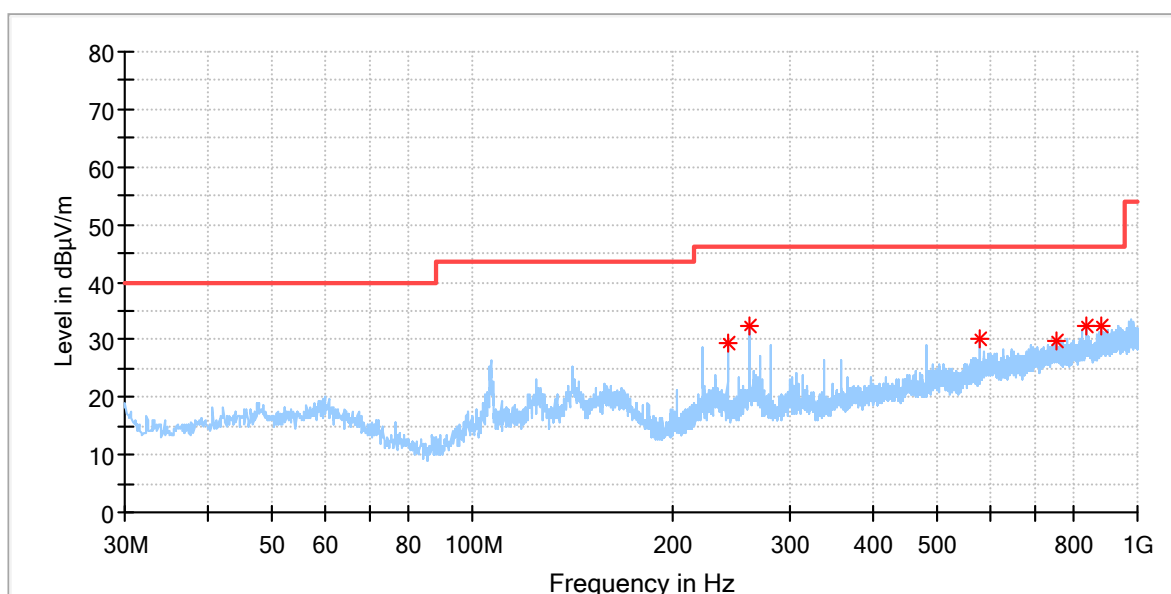


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 35.820000       | 32.90            | 40.00          | 7.10        | 100.0       | V   | 110.0         | 18.7         |
| 38.536000       | 33.36            | 40.00          | 6.64        | 100.0       | V   | 110.0         | 19.2         |
| 47.654000       | 33.59            | 40.00          | 6.41        | 100.0       | V   | 78.0          | 21.3         |
| 59.682000       | 33.68            | 40.00          | 6.32        | 100.0       | V   | 275.0         | 21.0         |
| 106.630000      | 32.32            | 43.50          | 11.18       | 100.0       | V   | 32.0          | 17.6         |
| 579.990000      | 35.98            | 46.00          | 10.02       | 100.0       | V   | 219.0         | 26.4         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating POE  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber

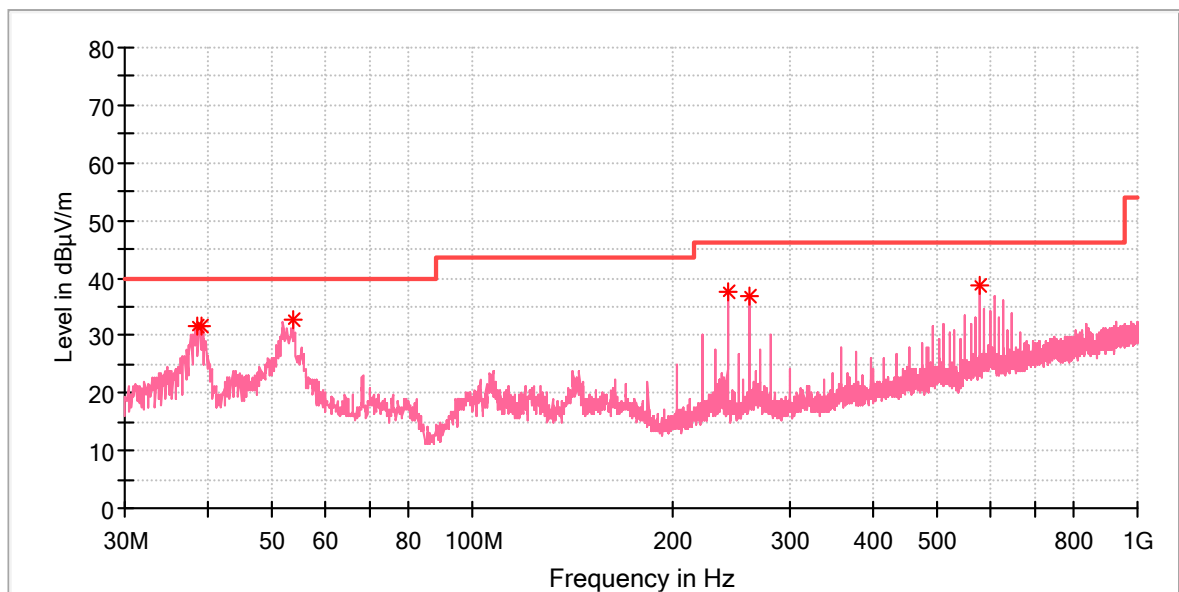


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 879.332000      | 32.30            | 46.00          | 13.70       | 100.0       | H   | 190.0         | 31.2         |
| 756.239000      | 29.94            | 46.00          | 16.06       | 100.0       | H   | 205.0         | 30.1         |
| 836.458000      | 32.44            | 46.00          | 13.56       | 100.0       | H   | 252.0         | 31.1         |
| 241.654000      | 29.39            | 46.00          | 16.61       | 100.0       | H   | 275.0         | 18.7         |
| 260.957000      | 32.46            | 46.00          | 13.54       | 100.0       | H   | 314.0         | 20.0         |
| 579.990000      | 30.22            | 46.00          | 15.78       | 200.0       | H   | 234.0         | 26.4         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber



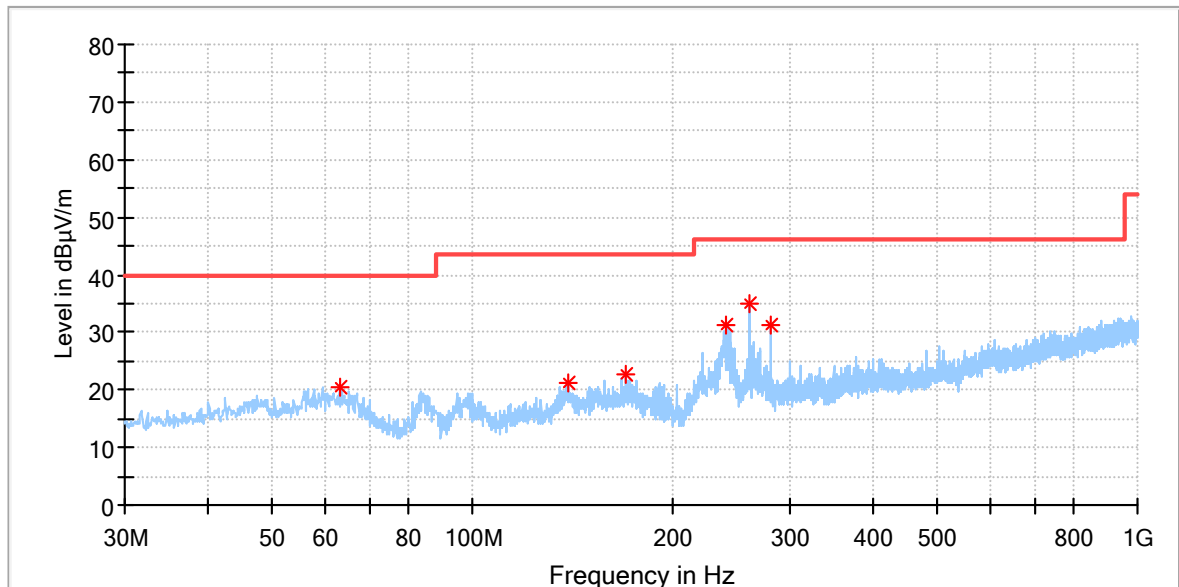
## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 260.957000      | 36.79            | 46.00          | 9.21        | 100.0       | V   | 64.0          | 20.0         |
| 241.654000      | 37.57            | 46.00          | 8.43        | 100.0       | V   | 76.0          | 18.7         |
| 53.668000       | 32.56            | 40.00          | 7.44        | 100.0       | V   | 223.0         | 20.9         |
| 579.990000      | 38.55            | 46.00          | 7.45        | 100.0       | V   | 243.0         | 26.4         |
| 38.536000       | 31.59            | 40.00          | 8.41        | 100.0       | V   | 254.0         | 19.2         |
| 39.215000       | 31.81            | 40.00          | 8.19        | 100.0       | V   | 348.0         | 19.4         |

Model RAK7268CV2H with Lora module RAK2287X

## EUT Information

|                     |                      |
|---------------------|----------------------|
| EUT Name:           | WisGate Edge Lite 2  |
| Model:              | RAK7268CV2H          |
| Test Mode:          | Operating Adapter    |
| Test Voltage:       | AC 120V/60Hz         |
| Test By/Review By:  | Jianhua Lu/Gary Chen |
| Test Standard:      | FCC part 15          |
| Tem./Hum./Pressure: | 23.8°C/52.5%/101kPa  |
| Remark:             | 3m chamber           |
| AC/DC Adapter:      | AD-0241200200US-1    |

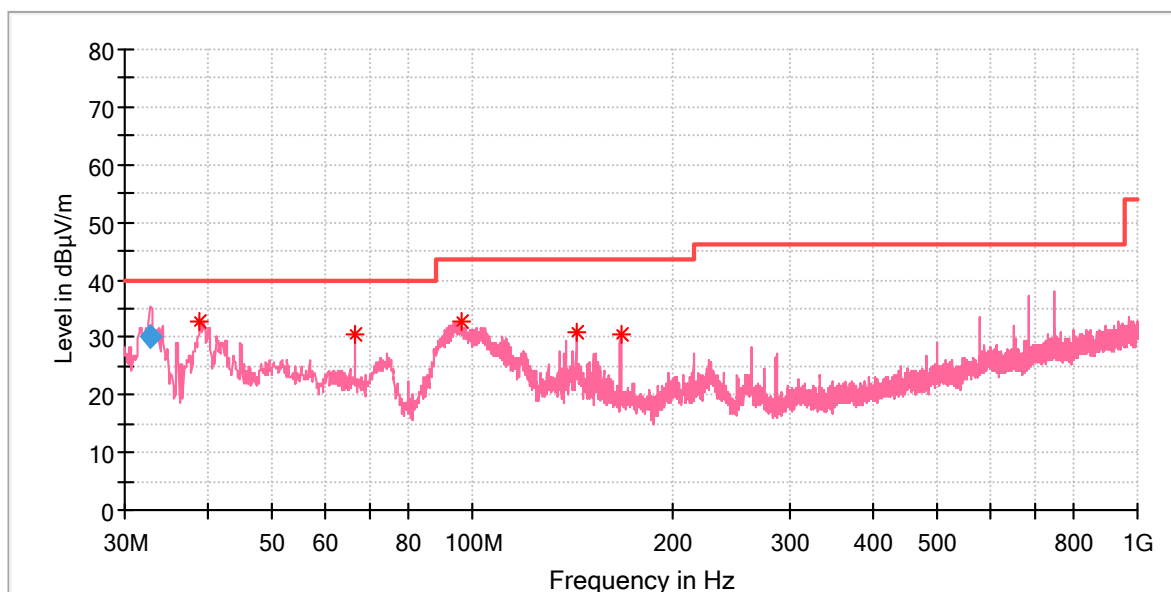


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 63.174000       | 20.47            | 40.00          | 19.53       | 200.0       | H   | 358.0         | 20.4         |
| 139.610000      | 21.21            | 43.50          | 22.29       | 200.0       | H   | 137.0         | 20.2         |
| 170.456000      | 22.85            | 43.50          | 20.65       | 100.0       | H   | 37.0          | 21.6         |
| 240.781000      | 31.08            | 46.00          | 14.92       | 100.0       | H   | 209.0         | 18.7         |
| 260.957000      | 35.09            | 46.00          | 10.91       | 100.0       | H   | 180.0         | 20.0         |
| 280.260000      | 31.21            | 46.00          | 14.79       | 100.0       | H   | 196.0         | 20.1         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: operating  
Test Voltage: AC 120V/60Hz  
Test By: Jianhua Lu  
Review By: Gary Chen  
Remark: 3m Chamber  
AC/DC Adapter: AD-0241200200US-1



## Critical\_Freqs

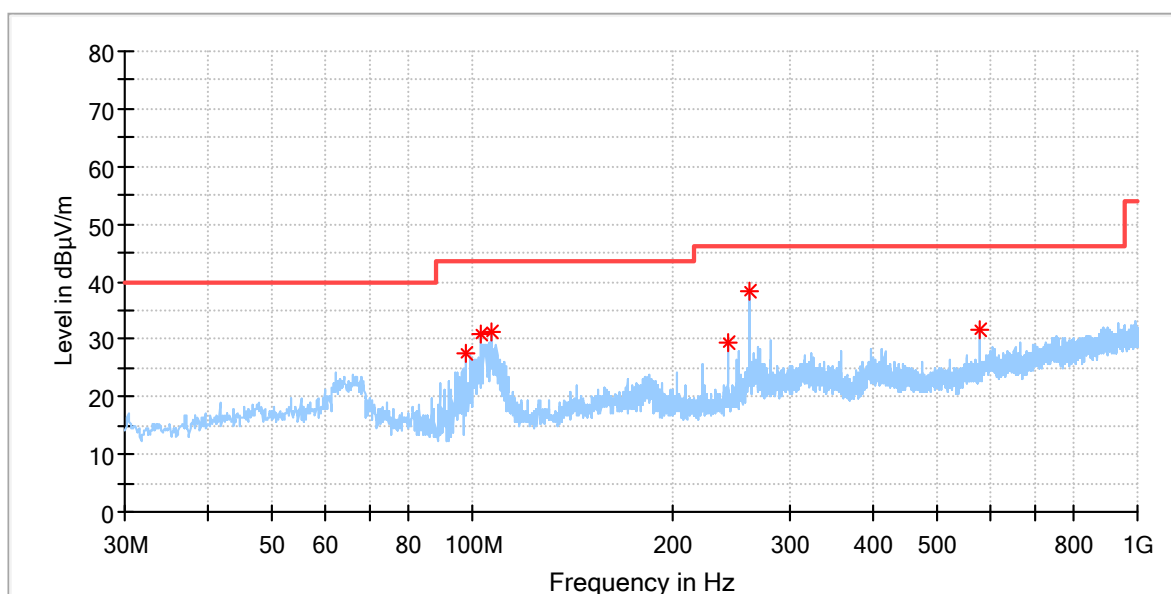
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 38.924000       | 32.68            | 40.00          | 7.32        | 100.0       | V   | 8.0           | 19.3         |
| 66.569000       | 30.49            | 40.00          | 9.51        | 100.0       | V   | 246.0         | 19.6         |
| 95.960000       | 32.93            | 43.50          | 10.57       | 100.0       | V   | 305.0         | 16.5         |
| 143.102000      | 30.85            | 43.50          | 12.65       | 100.0       | V   | 249.0         | 20.2         |
| 166.964000      | 30.48            | 43.50          | 13.02       | 100.0       | V   | 265.0         | 21.4         |

## Final\_Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|
| 32.873000       | 30.15              | 40.00          | 9.85        | 1000.0          | 120.000         | 100.0       | V   | 115.0         | 18.0         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating  
Test Voltage: AC 120V/60Hz  
Standard: FCC Part 15  
Test By./Review By: Mac Xie/Gary Chen  
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: PSYC1202000

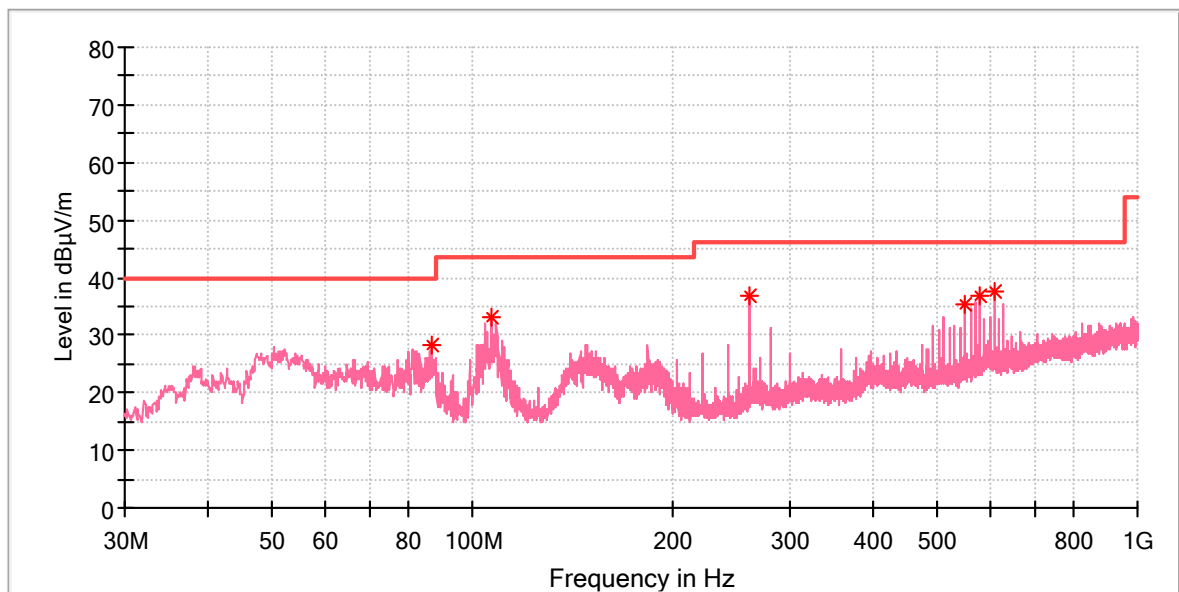


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 97.609000       | 27.61            | 43.50          | 15.89       | 200.0       | H   | 62.0          | 16.8         |
| 103.041000      | 30.92            | 43.50          | 12.58       | 200.0       | H   | 62.0          | 17.3         |
| 106.630000      | 31.12            | 43.50          | 12.38       | 200.0       | H   | 41.0          | 17.6         |
| 241.654000      | 29.26            | 46.00          | 16.74       | 100.0       | H   | 114.0         | 18.7         |
| 260.957000      | 38.44            | 46.00          | 7.56        | 100.0       | H   | 162.0         | 20.0         |
| 579.990000      | 31.59            | 46.00          | 14.41       | 200.0       | H   | 185.0         | 26.4         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating  
Test Voltage: AC 120V/60Hz  
Standard: FCC Part 15  
Test By./Review By: Mac Xie/Gary Chen  
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: PSYC1202000

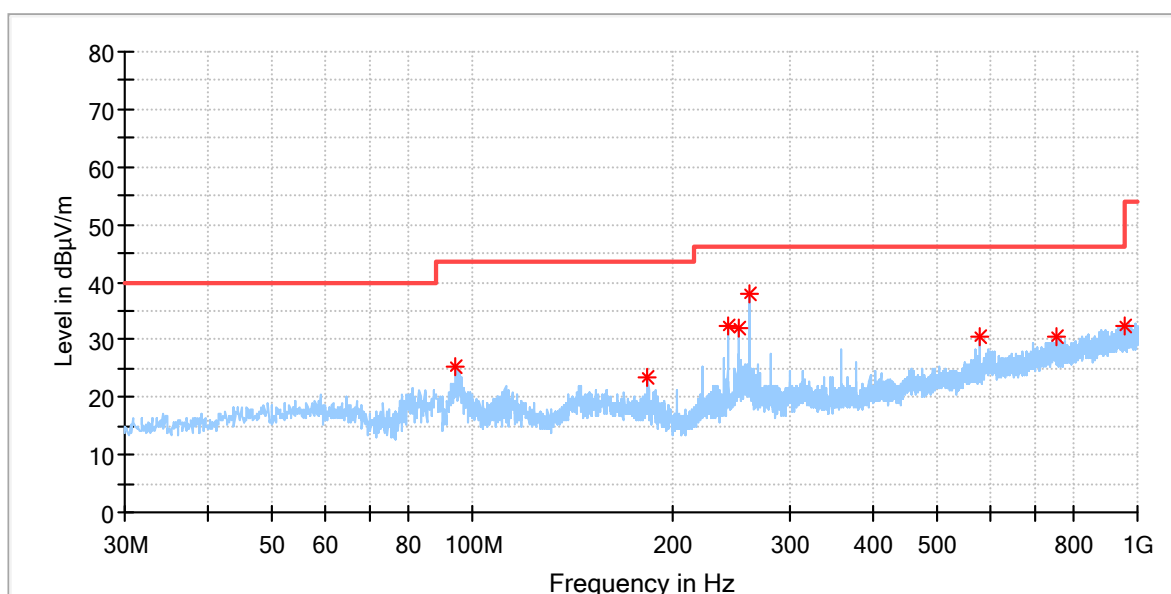


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 86.648000       | 28.37            | 40.00          | 11.63       | 200.0       | V   | 27.0          | 15.2         |
| 106.630000      | 33.18            | 43.50          | 10.32       | 100.0       | V   | 46.0          | 17.6         |
| 260.957000      | 36.66            | 46.00          | 9.34        | 100.0       | V   | 78.0          | 20.0         |
| 550.987000      | 35.34            | 46.00          | 10.66       | 100.0       | V   | 242.0         | 26.7         |
| 579.990000      | 36.83            | 46.00          | 9.17        | 100.0       | V   | 226.0         | 26.4         |
| 608.993000      | 37.52            | 46.00          | 8.48        | 100.0       | V   | 0.0           | 27.8         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating POE  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber

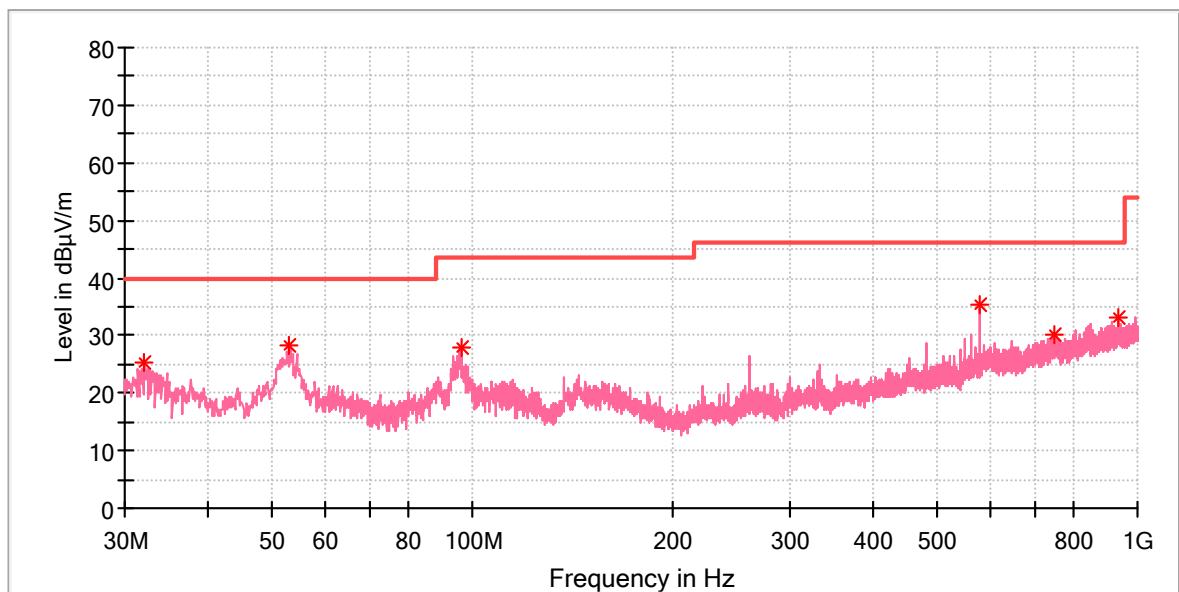


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 94.505000       | 25.37            | 43.50          | 18.13       | 200.0       | H   | 187.0         | 16.2         |
| 183.648000      | 23.37            | 43.50          | 20.13       | 200.0       | H   | 0.0           | 18.6         |
| 241.654000      | 32.54            | 46.00          | 13.46       | 100.0       | H   | 209.0         | 18.7         |
| 251.354000      | 32.02            | 46.00          | 13.98       | 100.0       | H   | 245.0         | 19.0         |
| 260.957000      | 37.81            | 46.00          | 8.19        | 100.0       | H   | 230.0         | 20.0         |
| 579.990000      | 30.41            | 46.00          | 15.59       | 200.0       | H   | 18.0          | 26.4         |
| 754.881000      | 30.36            | 46.00          | 15.64       | 100.0       | H   | 296.0         | 30.2         |
| 955.671000      | 32.56            | 46.00          | 13.44       | 200.0       | H   | 6.0           | 31.9         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating POE  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber



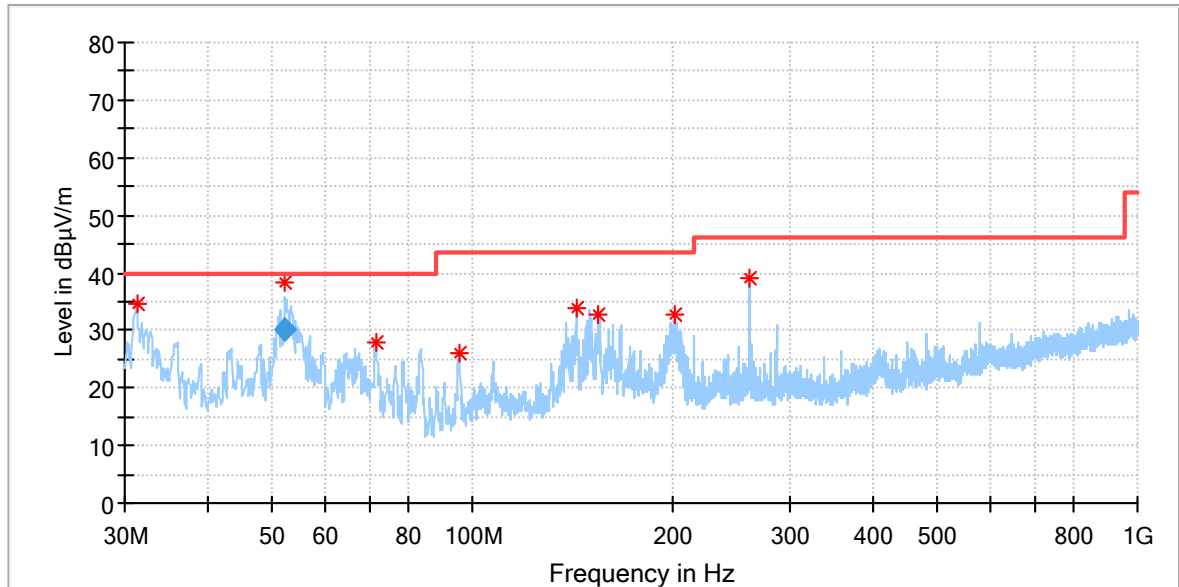
## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 579.990000      | 35.43            | 46.00          | 10.57       | 100.0       | V   | 0.0           | 26.4         |
| 96.057000       | 27.93            | 43.50          | 15.57       | 100.0       | V   | 60.0          | 16.5         |
| 32.134000       | 25.46            | 40.00          | 14.54       | 100.0       | V   | 148.0         | 17.8         |
| 52.892000       | 28.40            | 40.00          | 11.60       | 100.0       | V   | 255.0         | 20.9         |
| 751.777000      | 30.19            | 46.00          | 15.81       | 100.0       | V   | 349.0         | 30.4         |
| 934.234000      | 33.10            | 46.00          | 12.90       | 200.0       | V   | 249.0         | 32.1         |

Model RAK7268CV2H with Lora module RAK5146

## EUT Information

|                     |                      |
|---------------------|----------------------|
| EUT Name:           | WisGate Edge Lite 2  |
| Model:              | RAK7268CV2H          |
| Test Mode:          | Operating Adapter    |
| Test Voltage:       | AC 120V/60Hz         |
| Test By/Review By:  | Jianhua Lu/Gary Chen |
| Test Standard:      | FCC part 15          |
| Tem./Hum./Pressure: | 23.8°C/52.5%/101kPa  |
| Remark:             | 3m chamber           |
| AC/DC Adapter:      | AD-0241200200US-1    |



## Critical\_Freqs

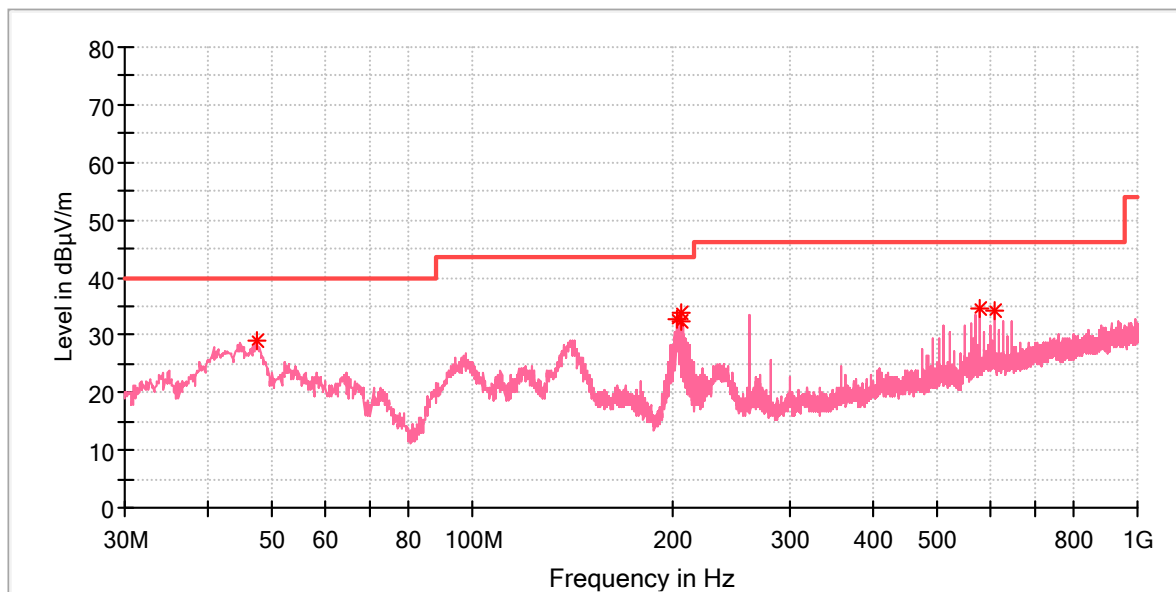
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 31.261000       | 34.71            | 40.00          | 5.29        | 200.0       | H   | 308.0         | 17.9         |
| 71.516000       | 27.98            | 40.00          | 12.02       | 200.0       | H   | 0.0           | 17.9         |
| 95.378000       | 26.07            | 43.50          | 17.43       | 200.0       | H   | 0.0           | 16.4         |
| 143.296000      | 33.84            | 43.50          | 9.66        | 200.0       | H   | 336.0         | 20.2         |
| 155.033000      | 32.56            | 43.50          | 10.94       | 200.0       | H   | 320.0         | 21.4         |
| 201.496000      | 32.58            | 43.50          | 10.92       | 100.0       | H   | 4.0           | 17.2         |
| 260.957000      | 39.26            | 46.00          | 6.74        | 100.0       | H   | 59.0          | 20.0         |

## Final\_Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|
| 52.273000       | 30.21              | 40.00          | 9.79        | 1000.0          | 120.000         | 200.0       | H   | 0.0           | 20.9         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: AD-0241200200US-1

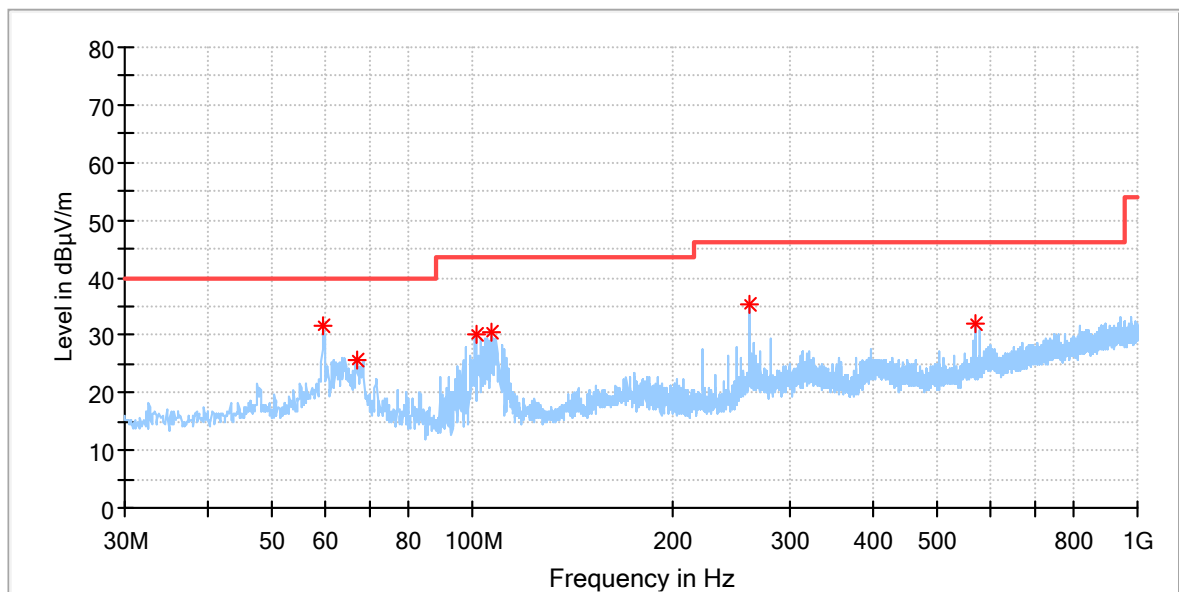


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 47.460000       | 28.87            | 40.00          | 11.13       | 100.0       | V   | 34.0          | 21.3         |
| 202.951000      | 32.82            | 43.50          | 10.68       | 100.0       | V   | 113.0         | 17.2         |
| 205.279000      | 34.02            | 43.50          | 9.48        | 100.0       | V   | 274.0         | 17.4         |
| 206.734000      | 32.40            | 43.50          | 11.10       | 100.0       | V   | 274.0         | 17.5         |
| 608.993000      | 34.26            | 46.00          | 11.74       | 100.0       | V   | 348.0         | 27.8         |
| 580.087000      | 34.77            | 46.00          | 11.23       | 200.0       | V   | 257.0         | 26.4         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating  
Test Voltage: AC 120V/60Hz  
Standard: FCC Part 15  
Test By./Review By: Mac Xie/Gary Chen  
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: PSYC1202000

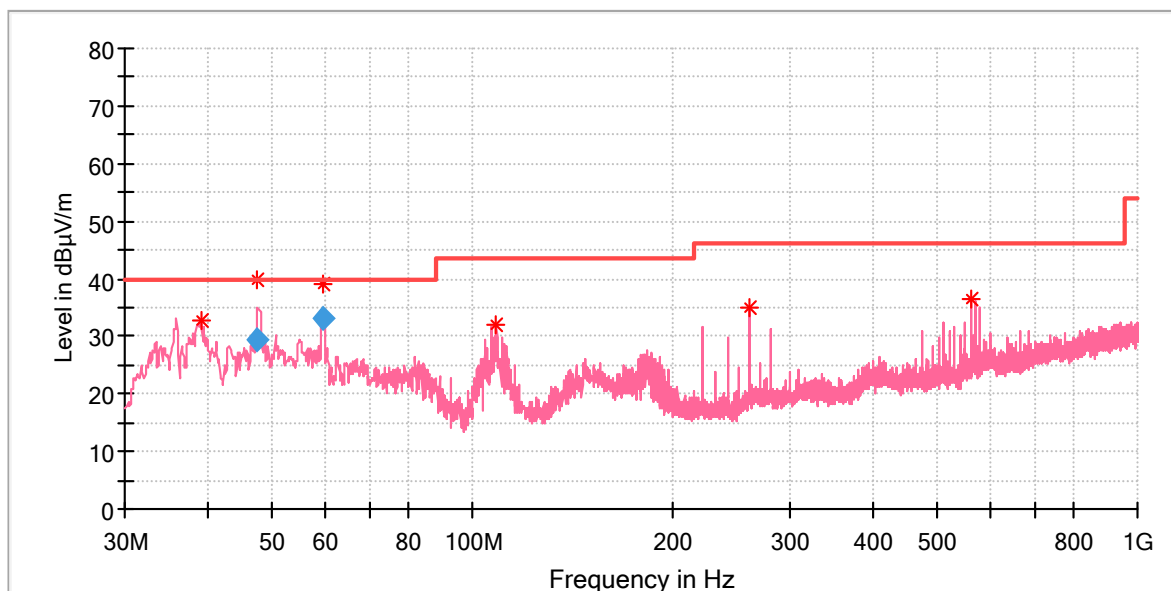


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 59.682000       | 31.60            | 40.00          | 8.40        | 200.0       | H   | 172.0         | 21.0         |
| 66.957000       | 25.54            | 40.00          | 14.46       | 200.0       | H   | 172.0         | 19.4         |
| 101.101000      | 30.08            | 43.50          | 13.42       | 200.0       | H   | 192.0         | 17.2         |
| 106.630000      | 30.64            | 43.50          | 12.86       | 200.0       | H   | 216.0         | 17.6         |
| 260.957000      | 35.19            | 46.00          | 10.81       | 100.0       | H   | 103.0         | 20.0         |
| 572.230000      | 31.97            | 46.00          | 14.03       | 200.0       | H   | 203.0         | 26.3         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating  
Test Voltage: AC 120V/60Hz  
Standard: FCC Part 15  
Test By./Review By: Mac Xie/Gary Chen  
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: PSYC1202000



## Critical\_Freqs

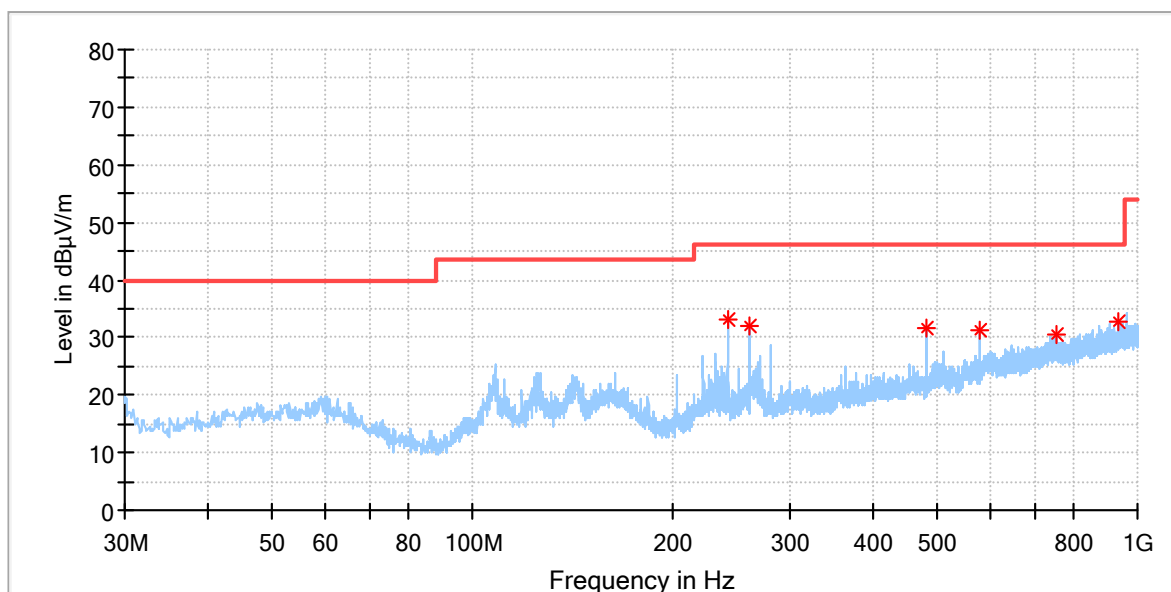
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 39.118000       | 32.76            | 40.00          | 7.24        | 100.0       | V   | 32.0          | 19.4         |
| 47.577000       | 39.87            | 40.00          | 0.13        | 200.0       | V   | 65.0          | 21.3         |
| 59.645000       | 38.88            | 40.00          | 1.12        | 200.0       | V   | 67.0          | 21.0         |
| 108.764000      | 31.83            | 43.50          | 11.67       | 100.0       | V   | 65.0          | 17.8         |
| 260.957000      | 35.05            | 46.00          | 10.95       | 100.0       | V   | 57.0          | 20.0         |
| 560.687000      | 36.44            | 46.00          | 9.56        | 100.0       | V   | 358.0         | 26.5         |

## Final\_Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|
| 47.577000       | 29.52              | 40.00          | 10.48       | 1000.0          | 120.000         | 200.0       | V   | 65.0          | 21.3         |
| 59.645000       | 33.29              | 40.00          | 6.71        | 1000.0          | 120.000         | 200.0       | V   | 67.0          | 21.0         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating POE  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber

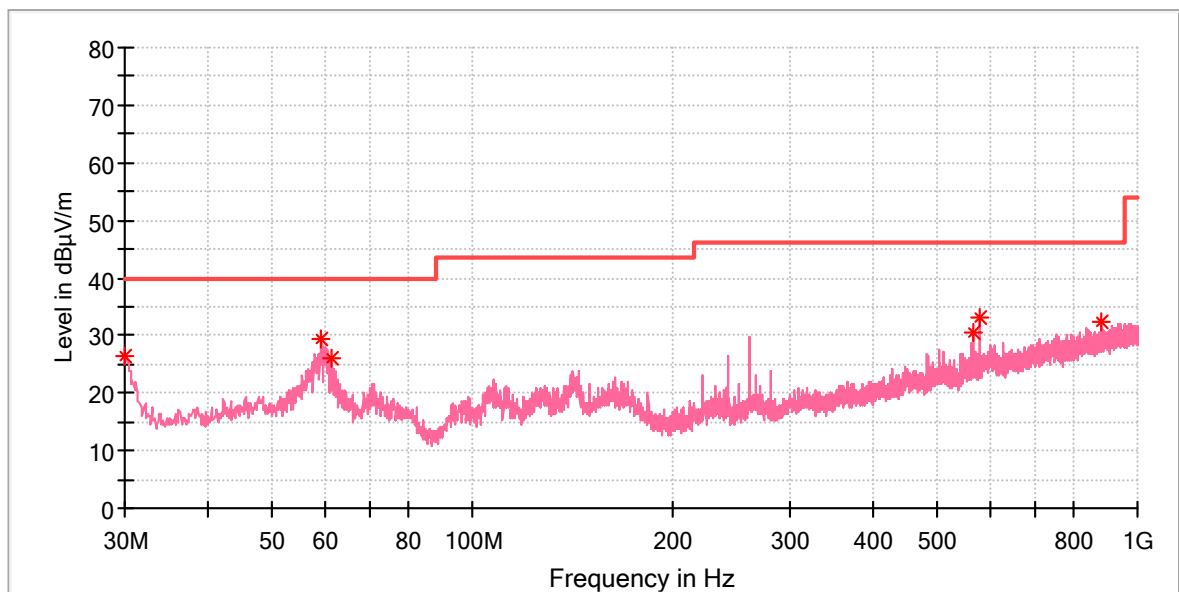


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 936.562000      | 32.71            | 46.00          | 13.29       | 100.0       | H   | 158.0         | 32.2         |
| 755.948000      | 30.38            | 46.00          | 15.62       | 100.0       | H   | 198.0         | 30.1         |
| 260.957000      | 32.11            | 46.00          | 13.89       | 100.0       | H   | 272.0         | 20.0         |
| 241.654000      | 32.99            | 46.00          | 13.01       | 100.0       | H   | 329.0         | 18.7         |
| 479.983000      | 31.78            | 46.00          | 14.22       | 200.0       | H   | 215.0         | 24.5         |
| 579.990000      | 31.42            | 46.00          | 14.58       | 200.0       | H   | 215.0         | 26.4         |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber



## Critical\_Freqs

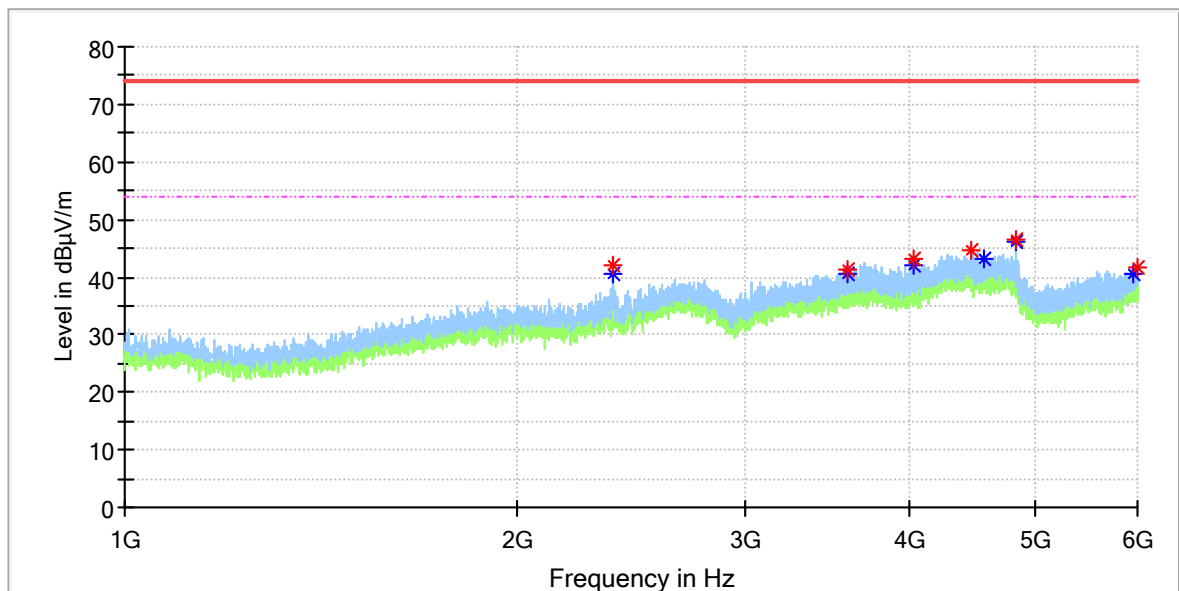
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 566.410000      | 30.49            | 46.00          | 15.51       | 100.0       | V   | 16.0          | 26.4         |
| 61.331000       | 25.99            | 40.00          | 14.01       | 100.0       | V   | 37.0          | 20.7         |
| 579.990000      | 33.03            | 46.00          | 12.97       | 100.0       | V   | 84.0          | 26.4         |
| 59.294000       | 29.32            | 40.00          | 10.68       | 100.0       | V   | 92.0          | 21.1         |
| 880.884000      | 32.21            | 46.00          | 13.79       | 100.0       | V   | 131.0         | 31.2         |
| 30.000000       | 26.46            | 40.00          | 13.54       | 100.0       | V   | 162.0         | 18.3         |

### 3 Appendix A.3: Test Plots of Radiated Emissions, above 1GHz

Model RAK7268V2H with Lora module RAK2287X

#### EUT Information

|                     |                      |
|---------------------|----------------------|
| EUT Name:           | WisGate Edge Lite 2  |
| Model:              | RAK7268V2H           |
| Test Mode:          | Operating Adapter    |
| Test Voltage:       | AC 120V/60Hz         |
| Test By/Review By:  | Jianhua Lu/Gary Chen |
| Test Standard:      | FCC part 15          |
| Tem./Hum./Pressure: | 23.8°C/52.5%/101kPa  |
| Remark:             | 3m chamber           |
| AC/DC Adapter:      | AD-0241200200US-1    |

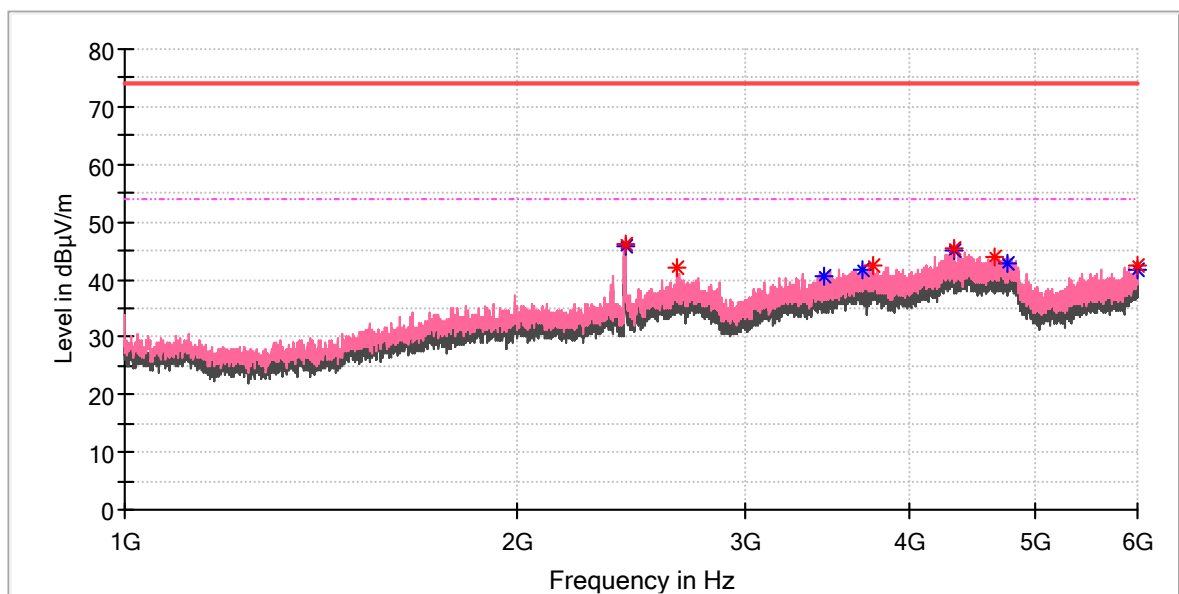


#### Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2373.500000     | ---              | 40.63            | 54.00          | 13.37       | 100.0       | H   | 41.0          | -6.0         |
| 2373.500000     | 41.91            | ---              | 74.00          | 32.09       | 100.0       | H   | 41.0          | -6.0         |
| 4844.500000     | 46.67            | ---              | 74.00          | 27.33       | 100.0       | H   | 122.0         | 1.7          |
| 4844.500000     | ---              | 46.26            | 54.00          | 7.74        | 100.0       | H   | 122.0         | 1.7          |
| 5998.500000     | 41.75            | ---              | 74.00          | 32.25       | 100.0       | H   | 144.0         | 2.5          |
| 3589.000000     | ---              | 40.47            | 54.00          | 13.53       | 100.0       | H   | 159.0         | -0.7         |
| 3589.000000     | 41.27            | ---              | 74.00          | 32.73       | 100.0       | H   | 159.0         | -0.7         |
| 4473.500000     | 44.52            | ---              | 74.00          | 29.48       | 100.0       | H   | 211.0         | 2.0          |
| 5951.500000     | ---              | 40.47            | 54.00          | 13.53       | 100.0       | H   | 245.0         | 2.1          |
| 4043.000000     | 43.08            | ---              | 74.00          | 30.92       | 100.0       | H   | 288.0         | 0.4          |
| 4043.000000     | ---              | 42.12            | 54.00          | 11.88       | 100.0       | H   | 288.0         | 0.4          |
| 4572.000000     | ---              | 43.31            | 54.00          | 10.69       | 100.0       | H   | 333.0         | 1.9          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: AD-0241200200US-1

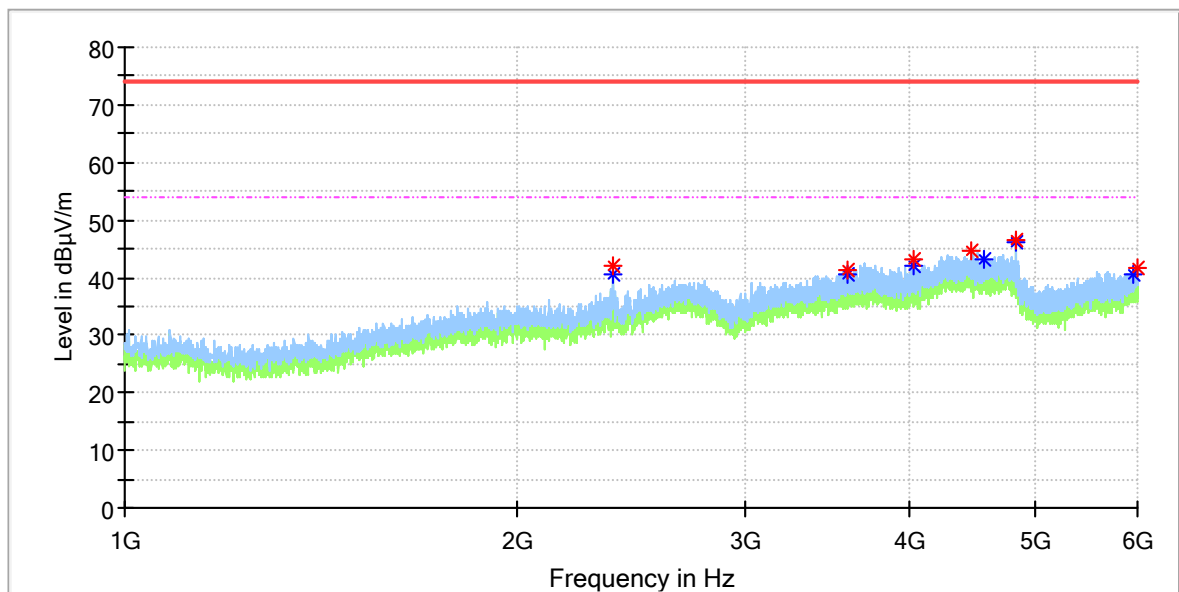


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 3452.500000     | ---              | 40.43            | 54.00          | 13.57       | 100.0       | V   | 58.0          | -1.3         |
| 2425.000000     | ---              | 45.87            | 54.00          | 8.13        | 100.0       | V   | 78.0          | -5.6         |
| 2425.000000     | 46.22            | ---              | 74.00          | 27.78       | 100.0       | V   | 78.0          | -5.6         |
| 5995.000000     | 42.60            | ---              | 74.00          | 31.40       | 100.0       | V   | 100.0         | 2.4          |
| 5995.000000     | ---              | 41.72            | 54.00          | 12.28       | 100.0       | V   | 100.0         | 2.4          |
| 3751.500000     | 42.46            | ---              | 74.00          | 31.54       | 100.0       | V   | 109.0         | 0.1          |
| 2658.500000     | 42.03            | ---              | 74.00          | 31.97       | 100.0       | V   | 166.0         | -3.2         |
| 4767.000000     | ---              | 42.90            | 54.00          | 11.10       | 100.0       | V   | 180.0         | 2.9          |
| 3687.500000     | ---              | 41.62            | 54.00          | 12.38       | 100.0       | V   | 204.0         | 0.2          |
| 4330.000000     | 45.47            | ---              | 74.00          | 28.53       | 100.0       | V   | 279.0         | 2.2          |
| 4330.000000     | ---              | 45.04            | 54.00          | 8.96        | 100.0       | V   | 279.0         | 2.2          |
| 4654.500000     | 43.98            | ---              | 74.00          | 30.02       | 100.0       | V   | 293.0         | 2.2          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: PSYC1202000

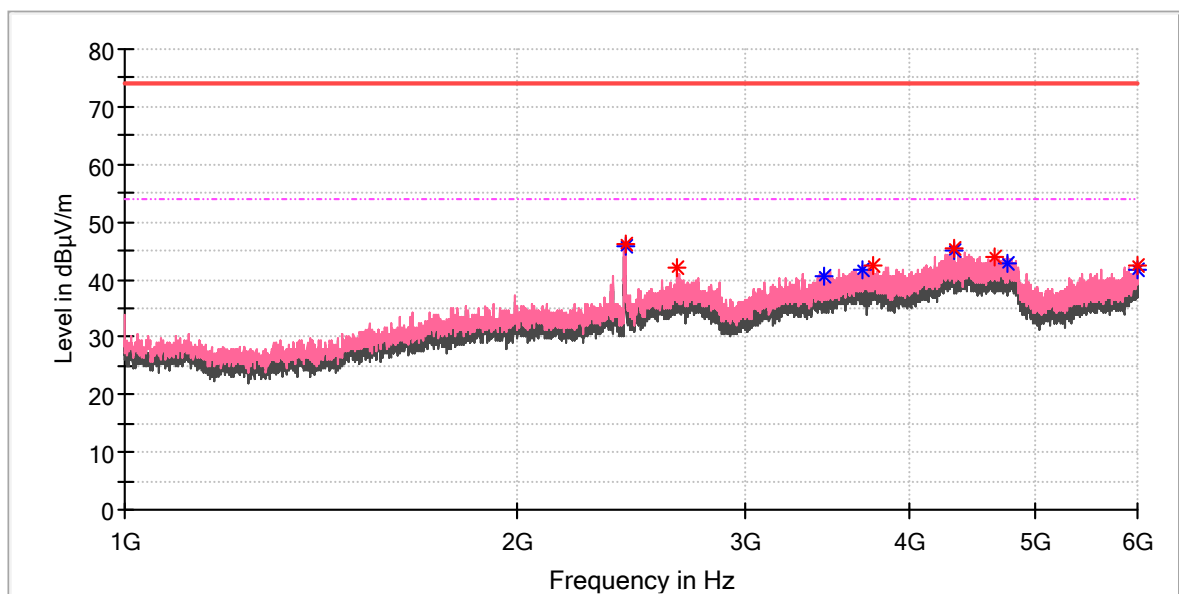


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2373.500000     | ---              | 40.63            | 54.00          | 13.37       | 100.0       | H   | 41.0          | -6.0         |
| 2373.500000     | 41.91            | ---              | 74.00          | 32.09       | 100.0       | H   | 41.0          | -6.0         |
| 4844.500000     | 46.67            | ---              | 74.00          | 27.33       | 100.0       | H   | 122.0         | 1.7          |
| 4844.500000     | ---              | 46.26            | 54.00          | 7.74        | 100.0       | H   | 122.0         | 1.7          |
| 5998.500000     | 41.75            | ---              | 74.00          | 32.25       | 100.0       | H   | 144.0         | 2.5          |
| 3589.000000     | ---              | 40.47            | 54.00          | 13.53       | 100.0       | H   | 159.0         | -0.7         |
| 3589.000000     | 41.27            | ---              | 74.00          | 32.73       | 100.0       | H   | 159.0         | -0.7         |
| 4473.500000     | 44.52            | ---              | 74.00          | 29.48       | 100.0       | H   | 211.0         | 2.0          |
| 5951.500000     | ---              | 40.47            | 54.00          | 13.53       | 100.0       | H   | 245.0         | 2.1          |
| 4043.000000     | 43.08            | ---              | 74.00          | 30.92       | 100.0       | H   | 288.0         | 0.4          |
| 4043.000000     | ---              | 42.12            | 54.00          | 11.88       | 100.0       | H   | 288.0         | 0.4          |
| 4572.000000     | ---              | 43.31            | 54.00          | 10.69       | 100.0       | H   | 333.0         | 1.9          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: PSYC1202000

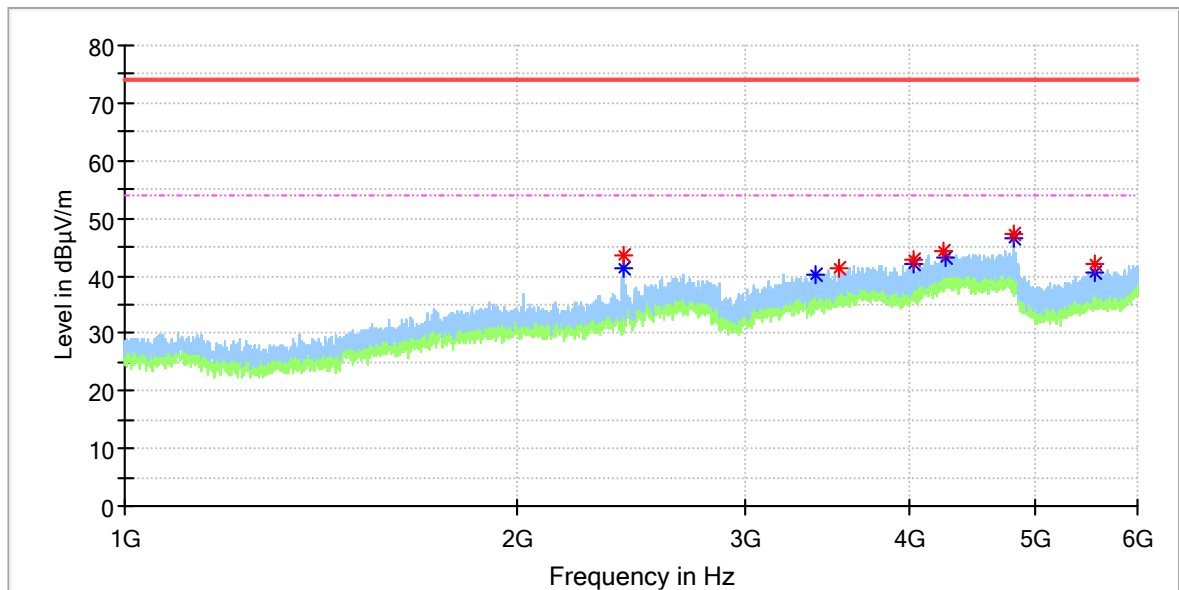


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 3452.500000     | ---              | 40.43            | 54.00          | 13.57       | 100.0       | V   | 58.0          | -1.3         |
| 2425.000000     | ---              | 45.87            | 54.00          | 8.13        | 100.0       | V   | 78.0          | -5.6         |
| 2425.000000     | 46.22            | ---              | 74.00          | 27.78       | 100.0       | V   | 78.0          | -5.6         |
| 5995.000000     | 42.60            | ---              | 74.00          | 31.40       | 100.0       | V   | 100.0         | 2.4          |
| 5995.000000     | ---              | 41.72            | 54.00          | 12.28       | 100.0       | V   | 100.0         | 2.4          |
| 3751.500000     | 42.46            | ---              | 74.00          | 31.54       | 100.0       | V   | 109.0         | 0.1          |
| 2658.500000     | 42.03            | ---              | 74.00          | 31.97       | 100.0       | V   | 166.0         | -3.2         |
| 4767.000000     | ---              | 42.90            | 54.00          | 11.10       | 100.0       | V   | 180.0         | 2.9          |
| 3687.500000     | ---              | 41.62            | 54.00          | 12.38       | 100.0       | V   | 204.0         | 0.2          |
| 4330.000000     | 45.47            | ---              | 74.00          | 28.53       | 100.0       | V   | 279.0         | 2.2          |
| 4330.000000     | ---              | 45.04            | 54.00          | 8.96        | 100.0       | V   | 279.0         | 2.2          |
| 4654.500000     | 43.98            | ---              | 74.00          | 30.02       | 100.0       | V   | 293.0         | 2.2          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating POE  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber

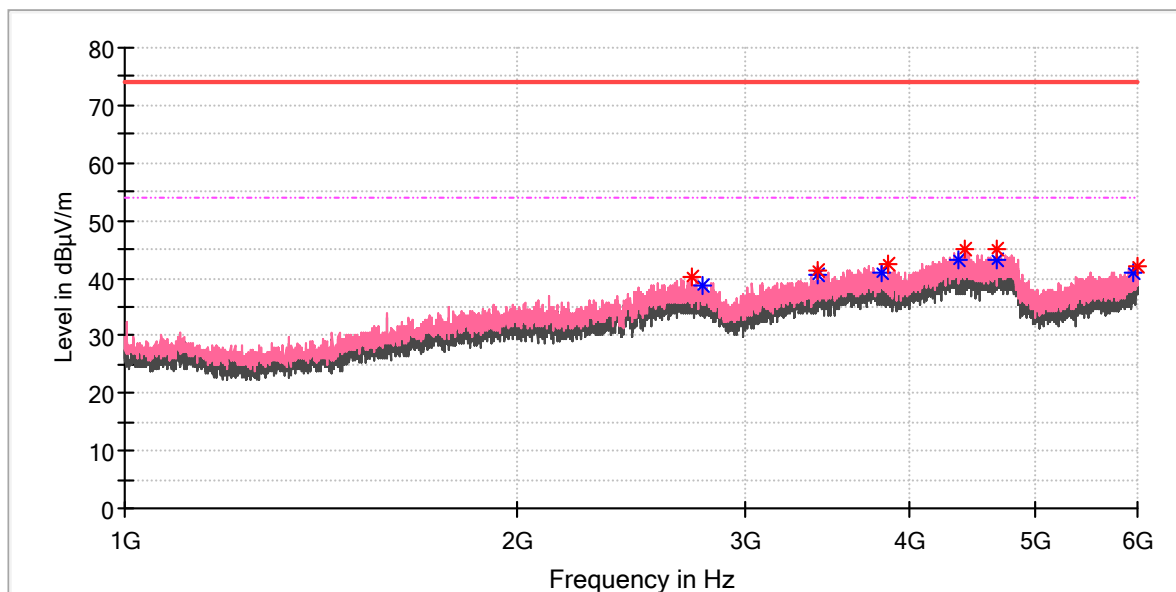


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4824.500000     | ---              | 46.46            | 54.00          | 7.54        | 100.0       | H   | 83.0          | 2.0          |
| 4824.500000     | 47.37            | ---              | 74.00          | 26.63       | 100.0       | H   | 83.0          | 2.0          |
| 3390.500000     | ---              | 40.02            | 54.00          | 13.98       | 100.0       | H   | 93.0          | -1.6         |
| 3535.500000     | 41.16            | ---              | 74.00          | 32.84       | 100.0       | H   | 106.0         | -0.9         |
| 4039.000000     | ---              | 41.89            | 54.00          | 12.11       | 100.0       | H   | 106.0         | 0.3          |
| 4039.000000     | 42.75            | ---              | 74.00          | 31.25       | 100.0       | H   | 106.0         | 0.3          |
| 2414.000000     | ---              | 41.37            | 54.00          | 12.63       | 100.0       | H   | 178.0         | -5.6         |
| 2415.500000     | 43.37            | ---              | 74.00          | 30.63       | 100.0       | H   | 178.0         | -5.6         |
| 5569.500000     | 41.93            | ---              | 74.00          | 32.07       | 100.0       | H   | 272.0         | 1.0          |
| 5569.500000     | ---              | 40.71            | 54.00          | 13.29       | 100.0       | H   | 272.0         | 1.0          |
| 4265.500000     | ---              | 43.20            | 54.00          | 10.80       | 100.0       | H   | 286.0         | 2.0          |
| 4252.500000     | 44.26            | ---              | 74.00          | 29.74       | 100.0       | H   | 319.0         | 1.8          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating POE  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber



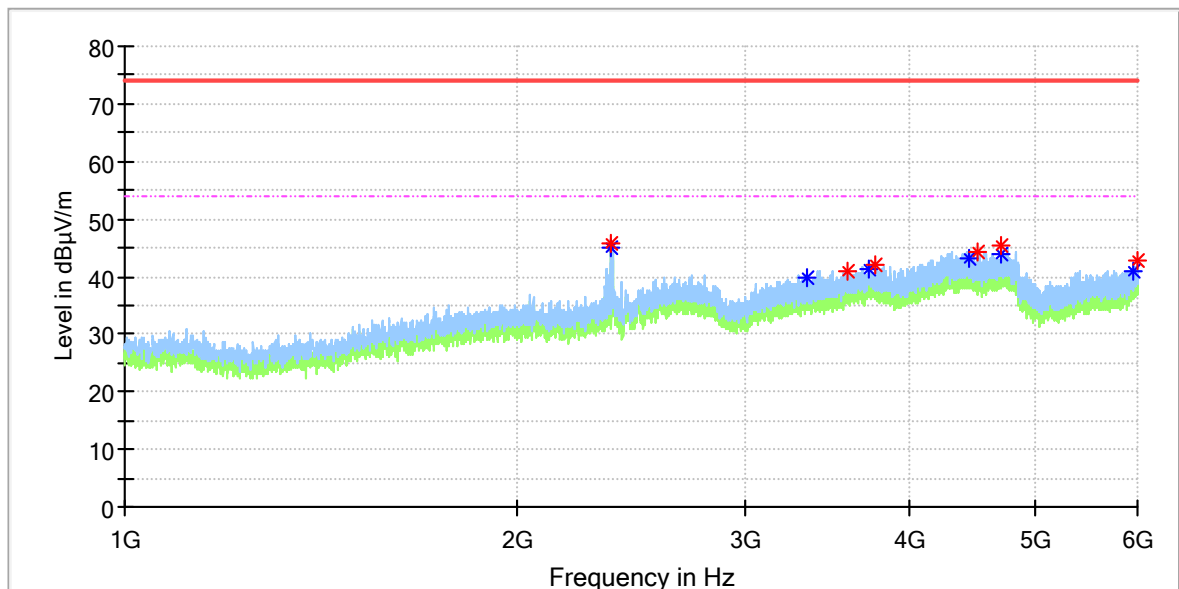
## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4373.000000     | ---              | 43.16            | 54.00          | 10.84       | 100.0       | V   | 58.0          | 2.0          |
| 2722.500000     | 40.33            | ---              | 74.00          | 33.67       | 100.0       | V   | 150.0         | -3.2         |
| 4683.000000     | 44.93            | ---              | 74.00          | 29.07       | 100.0       | V   | 150.0         | 2.5          |
| 2774.500000     | ---              | 38.72            | 54.00          | 15.28       | 100.0       | V   | 173.0         | -3.4         |
| 4669.000000     | ---              | 43.16            | 54.00          | 10.84       | 100.0       | V   | 183.0         | 2.4          |
| 3861.000000     | 42.33            | ---              | 74.00          | 31.67       | 100.0       | V   | 192.0         | 0.0          |
| 4420.000000     | 44.93            | ---              | 74.00          | 29.07       | 100.0       | V   | 192.0         | 1.9          |
| 5989.000000     | 42.03            | ---              | 74.00          | 31.97       | 100.0       | V   | 222.0         | 2.4          |
| 3814.500000     | ---              | 40.99            | 54.00          | 13.01       | 100.0       | V   | 272.0         | 0.0          |
| 5959.500000     | ---              | 41.06            | 54.00          | 12.94       | 100.0       | V   | 300.0         | 2.1          |
| 3403.000000     | ---              | 40.71            | 54.00          | 13.29       | 100.0       | V   | 323.0         | -1.5         |
| 3403.000000     | 41.46            | ---              | 74.00          | 32.54       | 100.0       | V   | 323.0         | -1.5         |

Model RAK7268V2H with Lora module RAK5146

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: AD-0241200200US-1

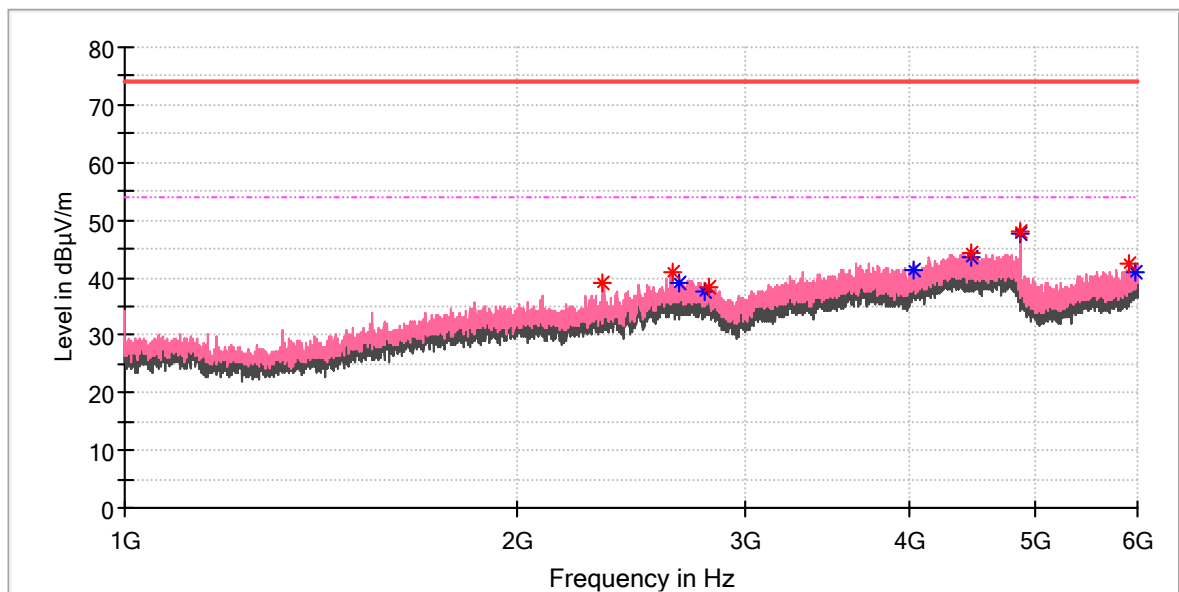


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2363.500000     | ---              | 44.87            | 54.00          | 9.13        | 100.0       | H   | 55.0          | -6.0         |
| 2364.500000     | 45.89            | ---              | 74.00          | 28.11       | 100.0       | H   | 55.0          | -6.0         |
| 3337.500000     | ---              | 39.87            | 54.00          | 14.13       | 100.0       | H   | 126.0         | -1.8         |
| 3585.500000     | 41.06            | ---              | 74.00          | 32.94       | 100.0       | H   | 326.0         | -0.7         |
| 3724.500000     | ---              | 41.25            | 54.00          | 12.75       | 100.0       | H   | 286.0         | 0.3          |
| 3767.500000     | 42.06            | ---              | 74.00          | 31.94       | 100.0       | H   | 41.0          | 0.1          |
| 4456.500000     | ---              | 43.32            | 54.00          | 10.68       | 100.0       | H   | 65.0          | 2.0          |
| 4529.000000     | 44.40            | ---              | 74.00          | 29.60       | 100.0       | H   | 311.0         | 2.0          |
| 4714.000000     | ---              | 44.07            | 54.00          | 9.93        | 100.0       | H   | 174.0         | 2.7          |
| 4714.000000     | 45.29            | ---              | 74.00          | 28.71       | 100.0       | H   | 174.0         | 2.7          |
| 5944.500000     | ---              | 41.02            | 54.00          | 12.98       | 100.0       | H   | 253.0         | 2.0          |
| 5998.000000     | 42.94            | ---              | 74.00          | 31.06       | 100.0       | H   | 145.0         | 2.5          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: AD-0241200200US-1

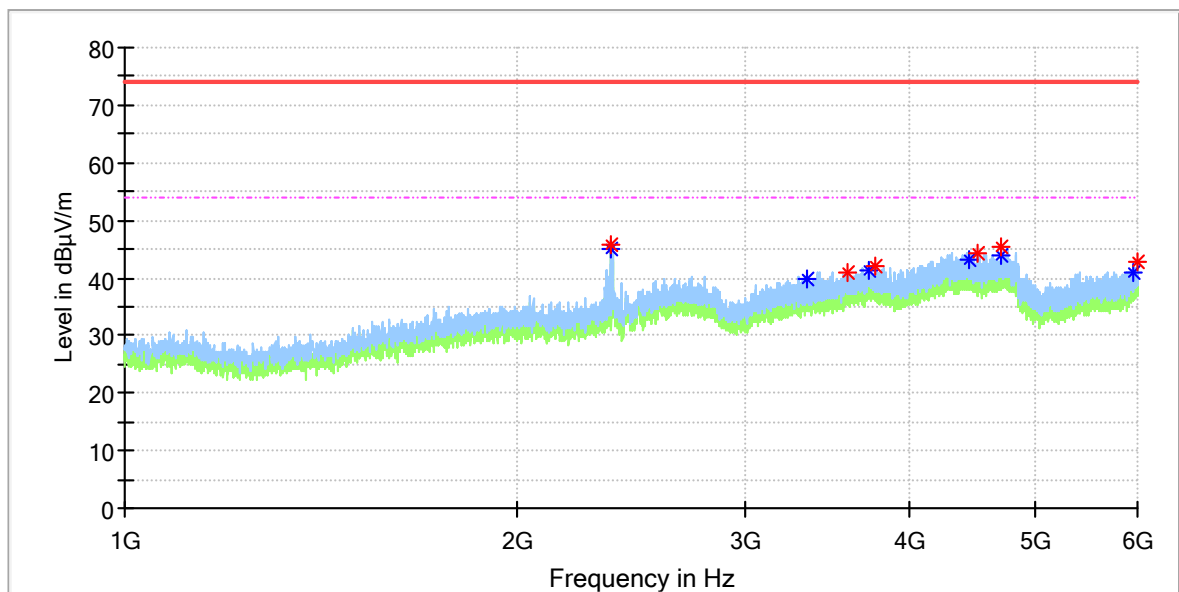


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2332.000000     | 39.09            | ---              | 74.00          | 34.91       | 100.0       | V   | 263.0         | -6.4         |
| 2634.500000     | 40.97            | ---              | 74.00          | 33.03       | 100.0       | V   | 210.0         | -3.5         |
| 2666.000000     | ---              | 39.20            | 54.00          | 14.80       | 100.0       | V   | 11.0          | -3.3         |
| 2788.500000     | ---              | 37.58            | 54.00          | 16.42       | 100.0       | V   | 114.0         | -3.7         |
| 2810.000000     | 38.40            | ---              | 74.00          | 35.60       | 100.0       | V   | 143.0         | -3.8         |
| 4032.000000     | ---              | 41.40            | 54.00          | 12.60       | 100.0       | V   | 177.0         | 0.3          |
| 4466.000000     | ---              | 43.46            | 54.00          | 10.54       | 100.0       | V   | 215.0         | 2.0          |
| 4466.000000     | 44.29            | ---              | 74.00          | 29.71       | 100.0       | V   | 215.0         | 2.0          |
| 4874.500000     | ---              | 47.60            | 54.00          | 6.40        | 100.0       | V   | 346.0         | 1.3          |
| 4874.500000     | 47.88            | ---              | 74.00          | 26.12       | 100.0       | V   | 346.0         | 1.3          |
| 5919.500000     | 42.43            | ---              | 74.00          | 31.57       | 100.0       | V   | 286.0         | 1.8          |
| 5969.500000     | ---              | 41.00            | 54.00          | 13.00       | 100.0       | V   | 105.0         | 2.2          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: ICES-003 issue 7  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber

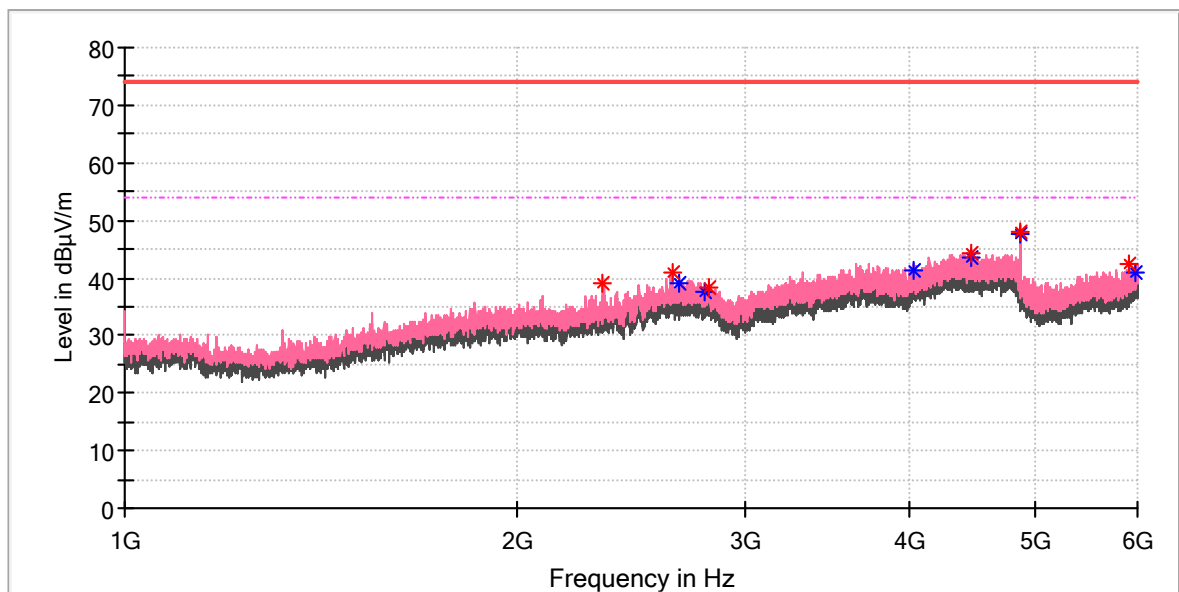


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2363.500000     | ---              | 44.87            | 54.00          | 9.13        | 100.0       | H   | 55.0          | -6.0         |
| 2364.500000     | 45.89            | ---              | 74.00          | 28.11       | 100.0       | H   | 55.0          | -6.0         |
| 3337.500000     | ---              | 39.87            | 54.00          | 14.13       | 100.0       | H   | 126.0         | -1.8         |
| 3585.500000     | 41.06            | ---              | 74.00          | 32.94       | 100.0       | H   | 326.0         | -0.7         |
| 3724.500000     | ---              | 41.25            | 54.00          | 12.75       | 100.0       | H   | 286.0         | 0.3          |
| 3767.500000     | 42.06            | ---              | 74.00          | 31.94       | 100.0       | H   | 41.0          | 0.1          |
| 4456.500000     | ---              | 43.32            | 54.00          | 10.68       | 100.0       | H   | 65.0          | 2.0          |
| 4529.000000     | 44.40            | ---              | 74.00          | 29.60       | 100.0       | H   | 311.0         | 2.0          |
| 4714.000000     | ---              | 44.07            | 54.00          | 9.93        | 100.0       | H   | 174.0         | 2.7          |
| 4714.000000     | 45.29            | ---              | 74.00          | 28.71       | 100.0       | H   | 174.0         | 2.7          |
| 5944.500000     | ---              | 41.02            | 54.00          | 12.98       | 100.0       | H   | 253.0         | 2.0          |
| 5998.000000     | 42.94            | ---              | 74.00          | 31.06       | 100.0       | H   | 145.0         | 2.5          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: ICES-003 issue 7  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber

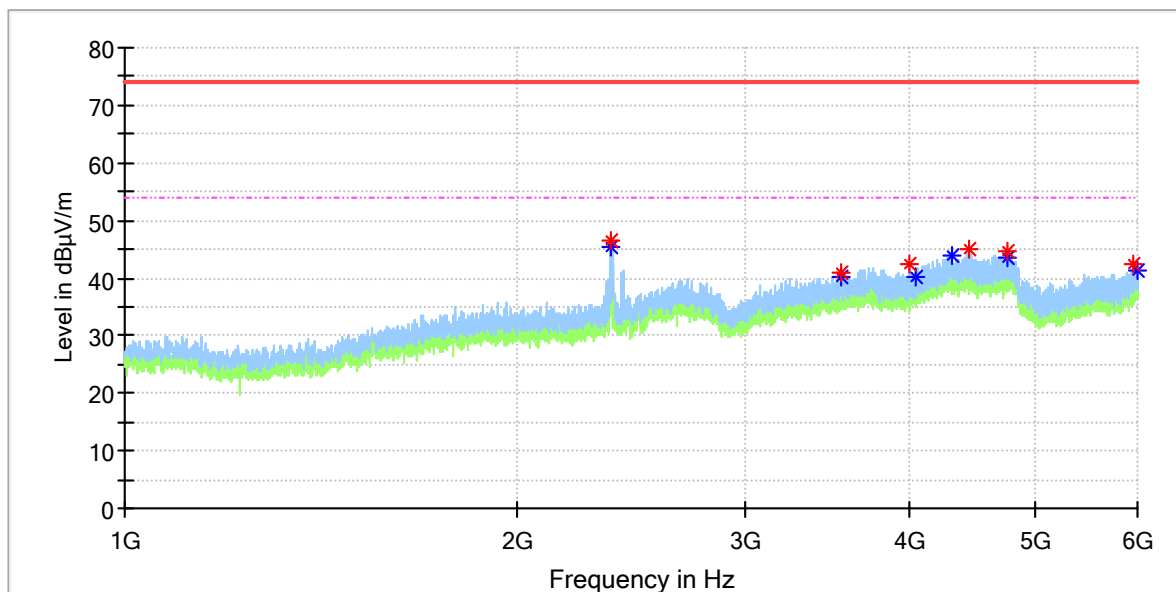


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2332.000000     | 39.09            | ---              | 74.00          | 34.91       | 100.0       | V   | 263.0         | -6.4         |
| 2634.500000     | 40.97            | ---              | 74.00          | 33.03       | 100.0       | V   | 210.0         | -3.5         |
| 2666.000000     | ---              | 39.20            | 54.00          | 14.80       | 100.0       | V   | 11.0          | -3.3         |
| 2788.500000     | ---              | 37.58            | 54.00          | 16.42       | 100.0       | V   | 114.0         | -3.7         |
| 2810.000000     | 38.40            | ---              | 74.00          | 35.60       | 100.0       | V   | 143.0         | -3.8         |
| 4032.000000     | ---              | 41.40            | 54.00          | 12.60       | 100.0       | V   | 177.0         | 0.3          |
| 4466.000000     | ---              | 43.46            | 54.00          | 10.54       | 100.0       | V   | 215.0         | 2.0          |
| 4466.000000     | 44.29            | ---              | 74.00          | 29.71       | 100.0       | V   | 215.0         | 2.0          |
| 4874.500000     | ---              | 47.60            | 54.00          | 6.40        | 100.0       | V   | 346.0         | 1.3          |
| 4874.500000     | 47.88            | ---              | 74.00          | 26.12       | 100.0       | V   | 346.0         | 1.3          |
| 5919.500000     | 42.43            | ---              | 74.00          | 31.57       | 100.0       | V   | 286.0         | 1.8          |
| 5969.500000     | ---              | 41.00            | 54.00          | 13.00       | 100.0       | V   | 105.0         | 2.2          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating POE  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC Part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber

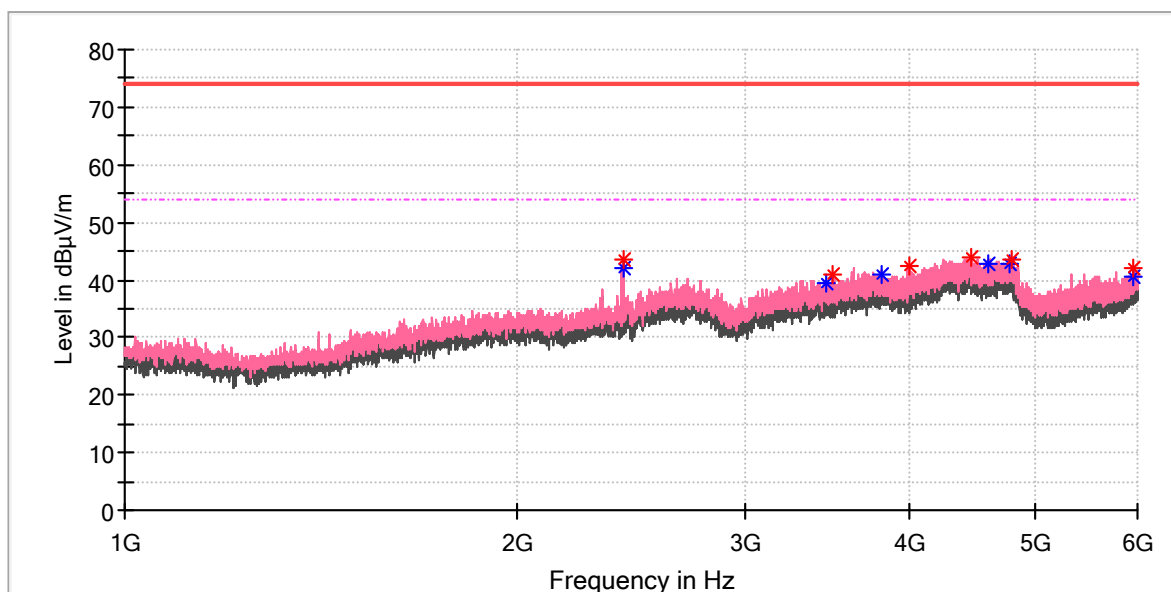


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4769.000000     | ---              | 43.70            | 54.00          | 10.30       | 100.0       | H   | 42.0          | 2.9          |
| 4769.000000     | 44.57            | ---              | 74.00          | 29.43       | 100.0       | H   | 42.0          | 2.9          |
| 4319.000000     | ---              | 43.79            | 54.00          | 10.21       | 100.0       | H   | 55.0          | 2.2          |
| 4054.000000     | ---              | 40.08            | 54.00          | 13.92       | 100.0       | H   | 88.0          | 0.5          |
| 3548.500000     | 41.03            | ---              | 74.00          | 32.97       | 100.0       | H   | 107.0         | -0.8         |
| 3548.500000     | ---              | 40.37            | 54.00          | 13.63       | 100.0       | H   | 107.0         | -0.8         |
| 5991.500000     | ---              | 41.19            | 54.00          | 12.81       | 100.0       | H   | 139.0         | 2.4          |
| 4460.000000     | 44.96            | ---              | 74.00          | 29.04       | 100.0       | H   | 154.0         | 2.0          |
| 5952.000000     | 42.42            | ---              | 74.00          | 31.58       | 100.0       | H   | 292.0         | 2.1          |
| 2364.000000     | ---              | 45.48            | 54.00          | 8.52        | 100.0       | H   | 356.0         | -6.0         |
| 2364.000000     | 46.40            | ---              | 74.00          | 27.60       | 100.0       | H   | 356.0         | -6.0         |
| 4014.500000     | 42.25            | ---              | 74.00          | 31.75       | 100.0       | H   | 356.0         | 0.1          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268V2H  
Test Mode: Operating POE  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC Part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber



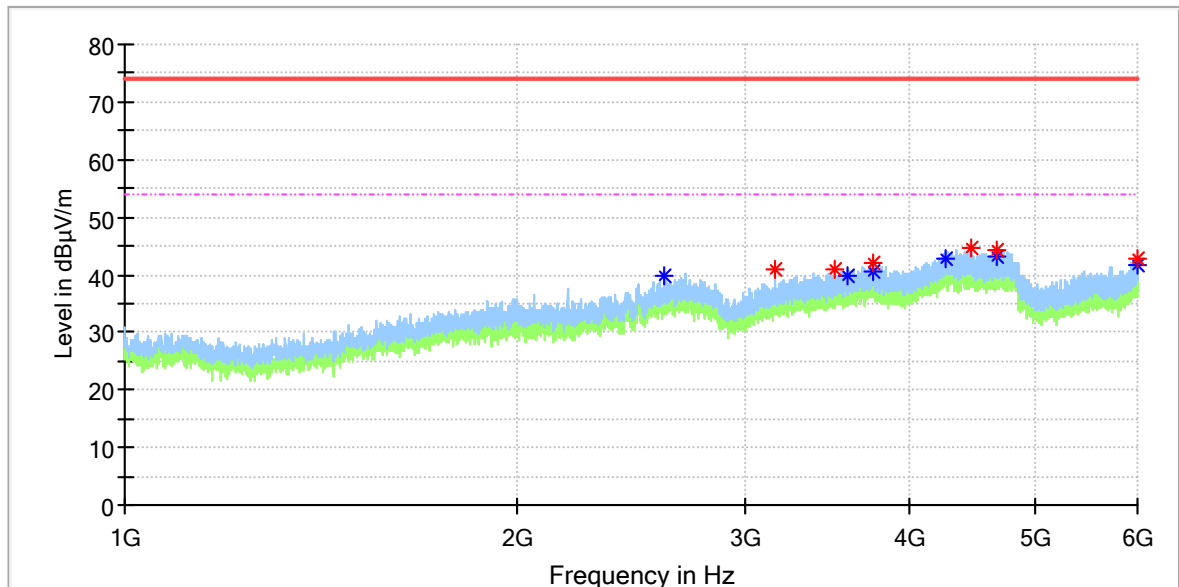
## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 3819.000000     | ---              | 40.99            | 54.00          | 13.01       | 100.0       | V   | 5.0           | 0.0          |
| 3499.500000     | 40.76            | ---              | 74.00          | 33.24       | 100.0       | V   | 33.0          | -1.1         |
| 4788.500000     | ---              | 42.86            | 54.00          | 11.14       | 100.0       | V   | 55.0          | 2.6          |
| 4615.500000     | ---              | 42.92            | 54.00          | 11.08       | 100.0       | V   | 88.0          | 2.0          |
| 5962.500000     | 41.87            | ---              | 74.00          | 32.13       | 100.0       | V   | 120.0         | 2.2          |
| 5962.500000     | ---              | 40.66            | 54.00          | 13.34       | 100.0       | V   | 120.0         | 2.2          |
| 2413.000000     | 43.45            | ---              | 74.00          | 30.55       | 100.0       | V   | 126.0         | -5.6         |
| 2413.500000     | ---              | 42.22            | 54.00          | 11.78       | 100.0       | V   | 126.0         | -5.6         |
| 4468.000000     | 43.88            | ---              | 74.00          | 30.12       | 100.0       | V   | 204.0         | 2.0          |
| 4804.500000     | 43.69            | ---              | 74.00          | 30.31       | 100.0       | V   | 256.0         | 2.3          |
| 3458.000000     | ---              | 39.30            | 54.00          | 14.70       | 100.0       | V   | 345.0         | -1.3         |
| 4012.500000     | 42.47            | ---              | 74.00          | 31.53       | 100.0       | V   | 352.0         | 0.1          |

Model RAK7268CV2H with Lora module RAK2287X

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: AD-0241200200US-1

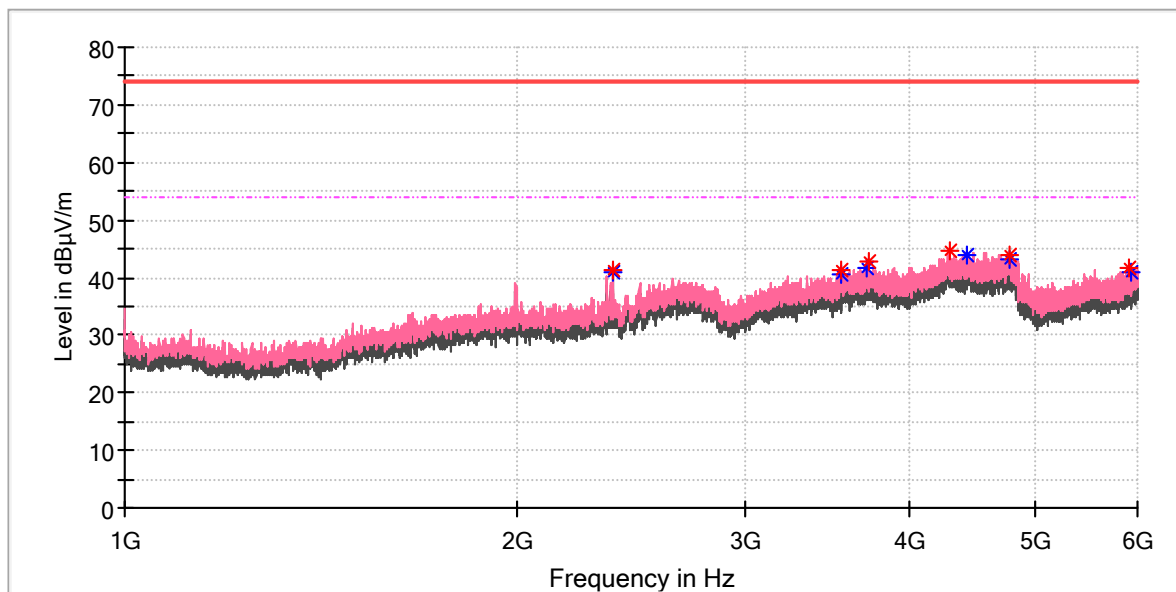


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2596.000000     | ---              | 39.89            | 54.00          | 14.11       | 100.0       | H   | 81.0          | -3.8         |
| 3592.500000     | ---              | 39.82            | 54.00          | 14.18       | 100.0       | H   | 100.0         | -0.6         |
| 3513.000000     | 40.99            | ---              | 74.00          | 33.01       | 100.0       | H   | 118.0         | -1.0         |
| 4271.500000     | ---              | 42.93            | 54.00          | 11.07       | 100.0       | H   | 127.0         | 2.0          |
| 3160.500000     | 40.80            | ---              | 74.00          | 33.20       | 100.0       | H   | 206.0         | -2.6         |
| 4685.500000     | ---              | 43.30            | 54.00          | 10.70       | 100.0       | H   | 230.0         | 2.5          |
| 4685.500000     | 44.29            | ---              | 74.00          | 29.71       | 100.0       | H   | 230.0         | 2.5          |
| 3753.500000     | ---              | 40.50            | 54.00          | 13.50       | 100.0       | H   | 243.0         | 0.1          |
| 3753.500000     | 42.13            | ---              | 74.00          | 31.87       | 100.0       | H   | 243.0         | 0.1          |
| 5991.500000     | ---              | 41.56            | 54.00          | 12.44       | 100.0       | H   | 293.0         | 2.4          |
| 5991.500000     | 42.79            | ---              | 74.00          | 31.21       | 100.0       | H   | 293.0         | 2.4          |
| 4464.000000     | 44.57            | ---              | 74.00          | 29.43       | 100.0       | H   | 352.0         | 2.0          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: AD-0241200200US-1

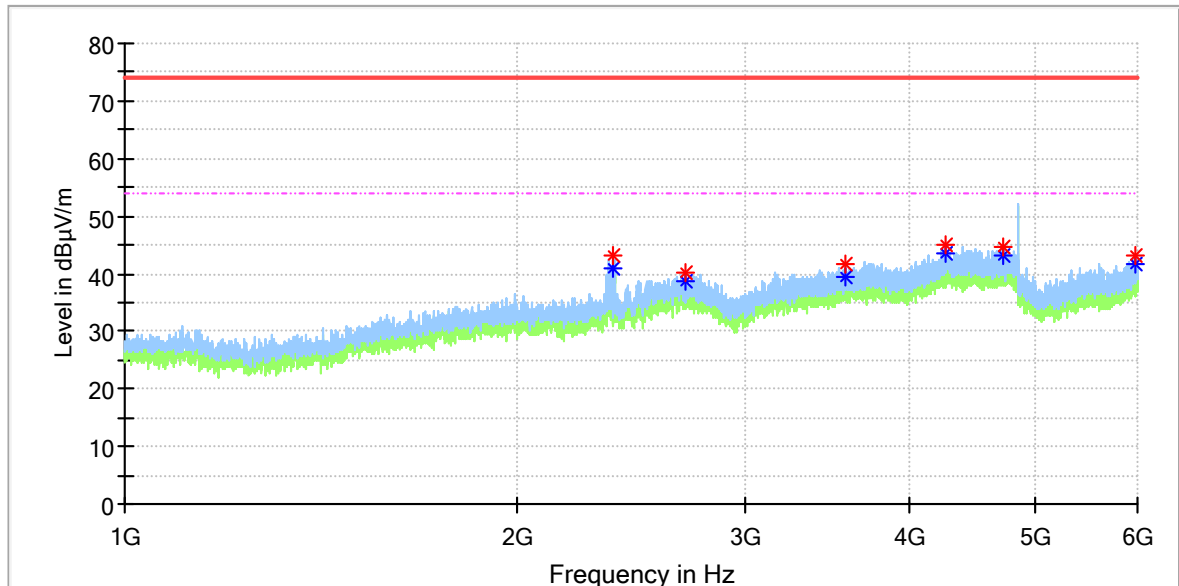


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5933.000000     | ---              | 41.03            | 54.00          | 12.97       | 100.0       | V   | 0.0           | 1.9          |
| 5908.000000     | 41.80            | ---              | 74.00          | 32.20       | 100.0       | V   | 4.0           | 1.6          |
| 3734.000000     | 42.69            | ---              | 74.00          | 31.31       | 100.0       | V   | 53.0          | 0.2          |
| 3714.500000     | ---              | 41.67            | 54.00          | 12.33       | 100.0       | V   | 86.0          | 0.3          |
| 4304.000000     | 44.70            | ---              | 74.00          | 29.30       | 100.0       | V   | 166.0         | 2.2          |
| 3553.000000     | ---              | 40.44            | 54.00          | 13.56       | 100.0       | V   | 242.0         | -0.8         |
| 3553.000000     | 41.23            | ---              | 74.00          | 32.77       | 100.0       | V   | 242.0         | -0.8         |
| 2374.500000     | ---              | 40.87            | 54.00          | 13.13       | 100.0       | V   | 279.0         | -6.0         |
| 2374.500000     | 41.29            | ---              | 74.00          | 32.71       | 100.0       | V   | 279.0         | -6.0         |
| 4781.500000     | 43.95            | ---              | 74.00          | 30.05       | 100.0       | V   | 294.0         | 2.7          |
| 4781.500000     | ---              | 43.29            | 54.00          | 10.71       | 100.0       | V   | 294.0         | 2.7          |
| 4443.500000     | ---              | 44.02            | 54.00          | 9.98        | 100.0       | V   | 312.0         | 1.9          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating  
Test Voltage: AC 120V/60Hz  
Standard: FCC Part 15  
Test By./Review By: Mac Xie/Gary Chen  
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: PSYC1202000

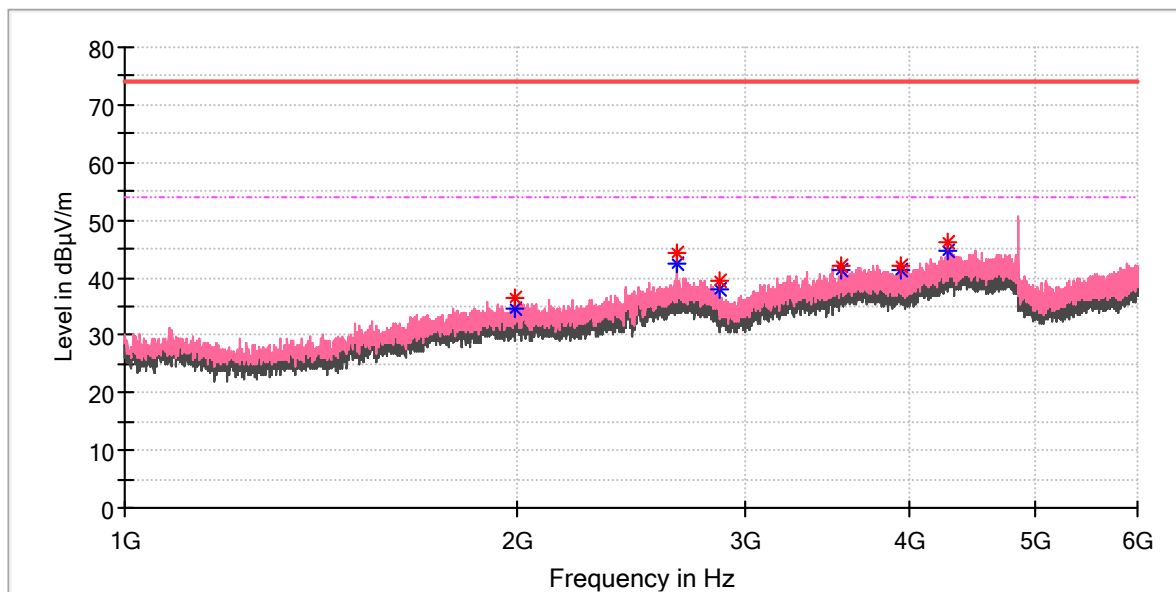


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2369.500000     | 43.35            | ---              | 74.00          | 30.65       | 100.0       | H   | 267.0         | -6.0         |
| 2369.500000     | ---              | 40.85            | 54.00          | 13.15       | 100.0       | H   | 267.0         | -6.0         |
| 2695.000000     | ---              | 38.77            | 54.00          | 15.23       | 100.0       | H   | 92.0          | -3.2         |
| 2695.000000     | 40.25            | ---              | 74.00          | 33.75       | 100.0       | H   | 92.0          | -3.2         |
| 3576.000000     | ---              | 39.50            | 54.00          | 14.50       | 100.0       | H   | 143.0         | -0.7         |
| 3576.000000     | 41.68            | ---              | 74.00          | 32.32       | 100.0       | H   | 143.0         | -0.7         |
| 4273.000000     | ---              | 43.65            | 54.00          | 10.35       | 100.0       | H   | 216.0         | 2.0          |
| 4273.000000     | 44.98            | ---              | 74.00          | 29.02       | 100.0       | H   | 216.0         | 2.0          |
| 4737.000000     | 44.63            | ---              | 74.00          | 29.37       | 100.0       | H   | 296.0         | 2.8          |
| 4737.000000     | ---              | 43.18            | 54.00          | 10.82       | 100.0       | H   | 296.0         | 2.8          |
| 5988.500000     | 42.99            | ---              | 74.00          | 31.01       | 100.0       | H   | 162.0         | 2.4          |
| 5988.500000     | ---              | 41.61            | 54.00          | 12.39       | 100.0       | H   | 162.0         | 2.4          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating  
Test Voltage: AC 120V/60Hz  
Standard: FCC Part 15  
Test By./Review By: Mac Xie/Gary Chen  
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: PSYC1202000

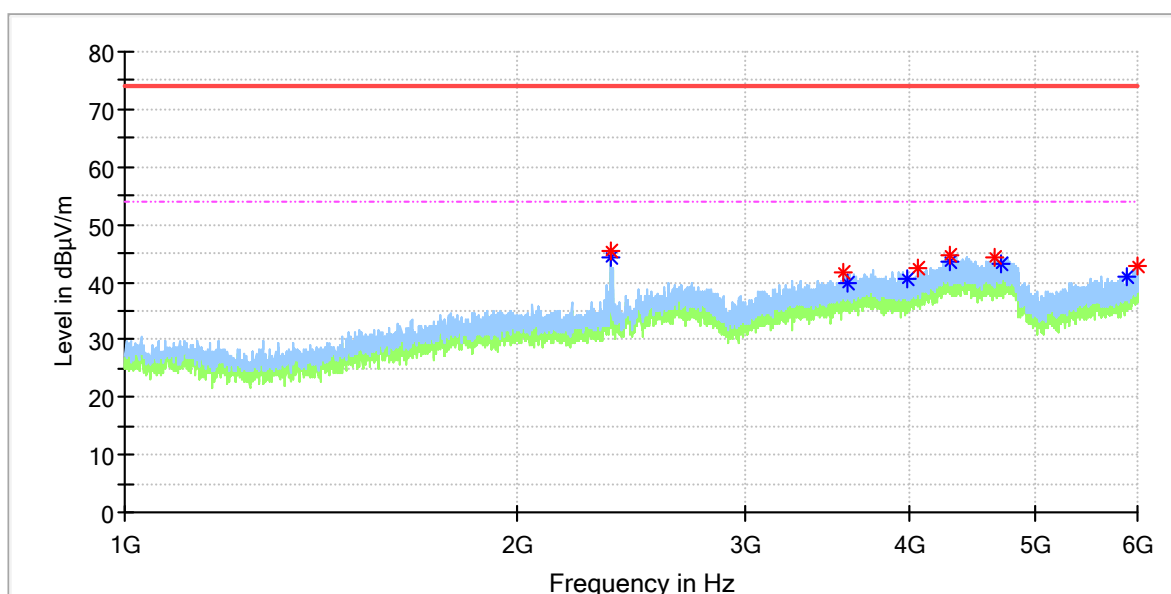


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 1996.000000     | ---              | 34.49            | 54.00          | 19.51       | 100.0       | V   | 236.0         | -7.4         |
| 1996.000000     | 36.28            | ---              | 74.00          | 37.72       | 100.0       | V   | 236.0         | -7.4         |
| 2658.000000     | ---              | 42.59            | 54.00          | 11.41       | 100.0       | V   | 163.0         | -3.2         |
| 2658.000000     | 44.22            | ---              | 74.00          | 29.78       | 100.0       | V   | 163.0         | -3.2         |
| 2861.500000     | ---              | 38.09            | 54.00          | 15.91       | 100.0       | V   | 55.0          | -4.6         |
| 2861.500000     | 39.26            | ---              | 74.00          | 34.74       | 100.0       | V   | 55.0          | -4.6         |
| 3558.000000     | 42.06            | ---              | 74.00          | 31.94       | 100.0       | V   | 240.0         | -0.8         |
| 3558.000000     | ---              | 41.21            | 54.00          | 12.79       | 100.0       | V   | 240.0         | -0.8         |
| 3954.000000     | 42.18            | ---              | 74.00          | 31.82       | 100.0       | V   | 326.0         | -0.2         |
| 3954.000000     | ---              | 41.42            | 54.00          | 12.58       | 100.0       | V   | 326.0         | -0.2         |
| 4295.000000     | 45.99            | ---              | 74.00          | 28.01       | 100.0       | V   | 27.0          | 2.2          |
| 4295.000000     | ---              | 44.81            | 54.00          | 9.19        | 100.0       | V   | 27.0          | 2.2          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating POE  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber

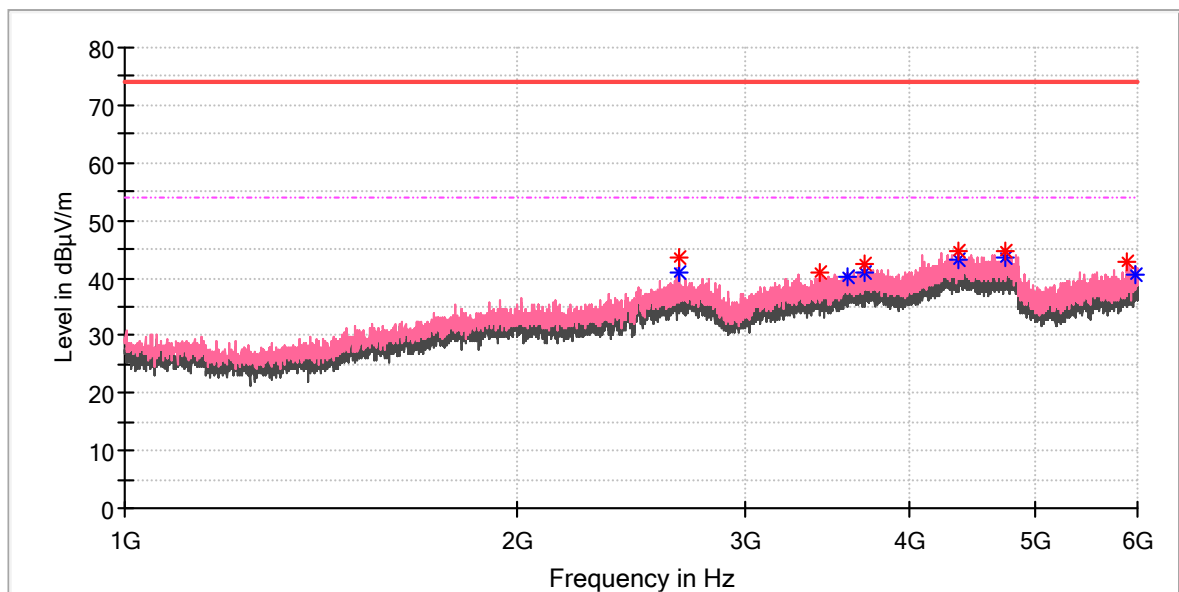


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5893.500000     | ---              | 40.76            | 54.00          | 13.24       | 100.0       | H   | 0.0           | 1.5          |
| 3986.000000     | ---              | 40.68            | 54.00          | 13.32       | 100.0       | H   | 5.0           | -0.1         |
| 4715.000000     | ---              | 43.27            | 54.00          | 10.73       | 100.0       | H   | 5.0           | 2.7          |
| 4067.500000     | 42.50            | ---              | 74.00          | 31.50       | 100.0       | H   | 33.0          | 0.7          |
| 5992.500000     | 42.85            | ---              | 74.00          | 31.15       | 100.0       | H   | 33.0          | 2.4          |
| 3564.000000     | 41.52            | ---              | 74.00          | 32.48       | 100.0       | H   | 78.0          | -0.8         |
| 4662.500000     | 44.22            | ---              | 74.00          | 29.78       | 100.0       | H   | 153.0         | 2.3          |
| 3590.000000     | ---              | 39.96            | 54.00          | 14.04       | 100.0       | H   | 234.0         | -0.7         |
| 2364.000000     | ---              | 44.17            | 54.00          | 9.83        | 100.0       | H   | 306.0         | -6.0         |
| 2364.000000     | 45.41            | ---              | 74.00          | 28.59       | 100.0       | H   | 306.0         | -6.0         |
| 4306.500000     | ---              | 43.59            | 54.00          | 10.41       | 100.0       | H   | 335.0         | 2.2          |
| 4306.500000     | 44.82            | ---              | 74.00          | 29.18       | 100.0       | H   | 335.0         | 2.2          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating POE  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber



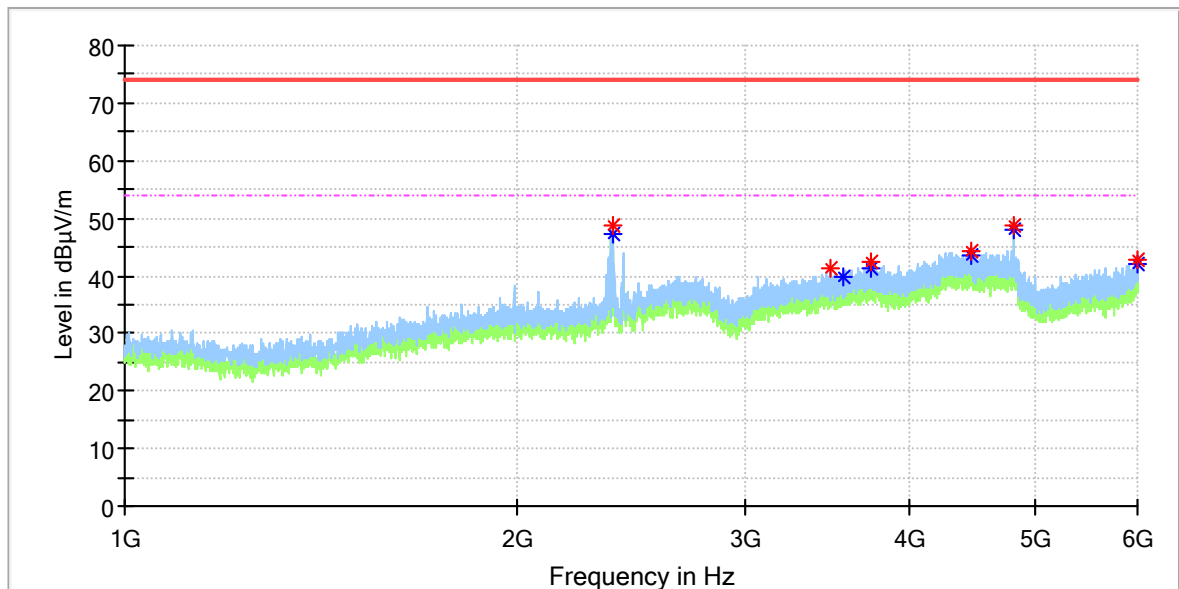
## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5967.000000     | ---              | 40.73            | 54.00          | 13.27       | 100.0       | V   | 15.0          | 2.2          |
| 3587.500000     | ---              | 40.01            | 54.00          | 13.99       | 100.0       | V   | 90.0          | -0.7         |
| 3705.000000     | ---              | 41.09            | 54.00          | 12.91       | 100.0       | V   | 90.0          | 0.3          |
| 3415.000000     | 40.93            | ---              | 74.00          | 33.07       | 100.0       | V   | 114.0         | -1.5         |
| 3703.500000     | 42.46            | ---              | 74.00          | 31.54       | 100.0       | V   | 166.0         | 0.3          |
| 2665.500000     | 43.46            | ---              | 74.00          | 30.54       | 100.0       | V   | 180.0         | -3.3         |
| 2666.000000     | ---              | 40.92            | 54.00          | 13.08       | 100.0       | V   | 180.0         | -3.3         |
| 4750.500000     | ---              | 43.51            | 54.00          | 10.49       | 100.0       | V   | 184.0         | 2.9          |
| 4750.500000     | 44.75            | ---              | 74.00          | 29.25       | 100.0       | V   | 184.0         | 2.9          |
| 5895.000000     | 42.68            | ---              | 74.00          | 31.32       | 100.0       | V   | 218.0         | 1.5          |
| 4378.500000     | ---              | 43.22            | 54.00          | 10.79       | 100.0       | V   | 314.0         | 2.0          |
| 4378.500000     | 44.53            | ---              | 74.00          | 29.47       | 100.0       | V   | 314.0         | 2.0          |

Model RAK7268CV2H with Lora module RAK5146

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: AD-0241200200US-1

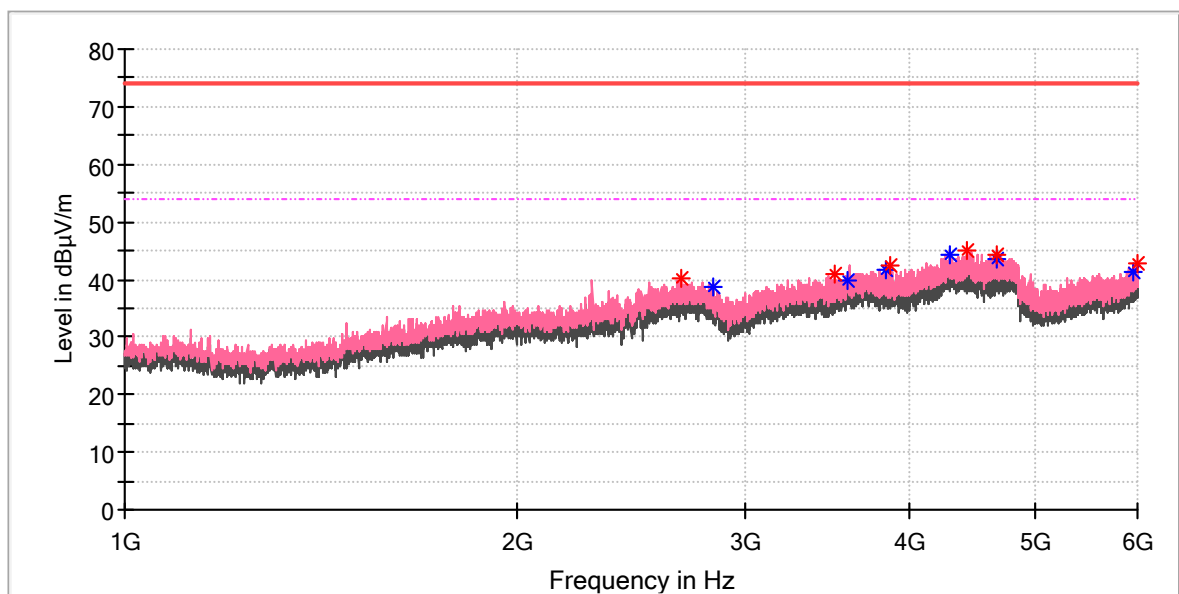


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2372.500000     | 48.80            | ---              | 74.00          | 25.20       | 100.0       | H   | 268.0         | -6.0         |
| 2372.500000     | ---              | 47.40            | 54.00          | 6.60        | 100.0       | H   | 268.0         | -6.0         |
| 3482.500000     | 41.12            | ---              | 74.00          | 32.88       | 100.0       | H   | 84.0          | -1.2         |
| 3563.500000     | ---              | 39.68            | 54.00          | 14.32       | 100.0       | H   | 4.0           | -0.8         |
| 3746.000000     | 42.37            | ---              | 74.00          | 31.63       | 100.0       | H   | 112.0         | 0.2          |
| 3746.000000     | ---              | 41.18            | 54.00          | 12.82       | 100.0       | H   | 112.0         | 0.2          |
| 4478.000000     | ---              | 43.63            | 54.00          | 10.37       | 100.0       | H   | 141.0         | 2.0          |
| 4478.000000     | 44.24            | ---              | 74.00          | 29.76       | 100.0       | H   | 141.0         | 2.0          |
| 4824.500000     | ---              | 48.11            | 54.00          | 5.89        | 100.0       | H   | 107.0         | 2.0          |
| 4824.500000     | 48.77            | ---              | 74.00          | 25.23       | 100.0       | H   | 107.0         | 2.0          |
| 5995.500000     | 42.97            | ---              | 74.00          | 31.03       | 100.0       | H   | 164.0         | 2.4          |
| 5995.500000     | ---              | 41.91            | 54.00          | 12.09       | 100.0       | H   | 164.0         | 2.4          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating Adapter  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: AD-0241200200US-1

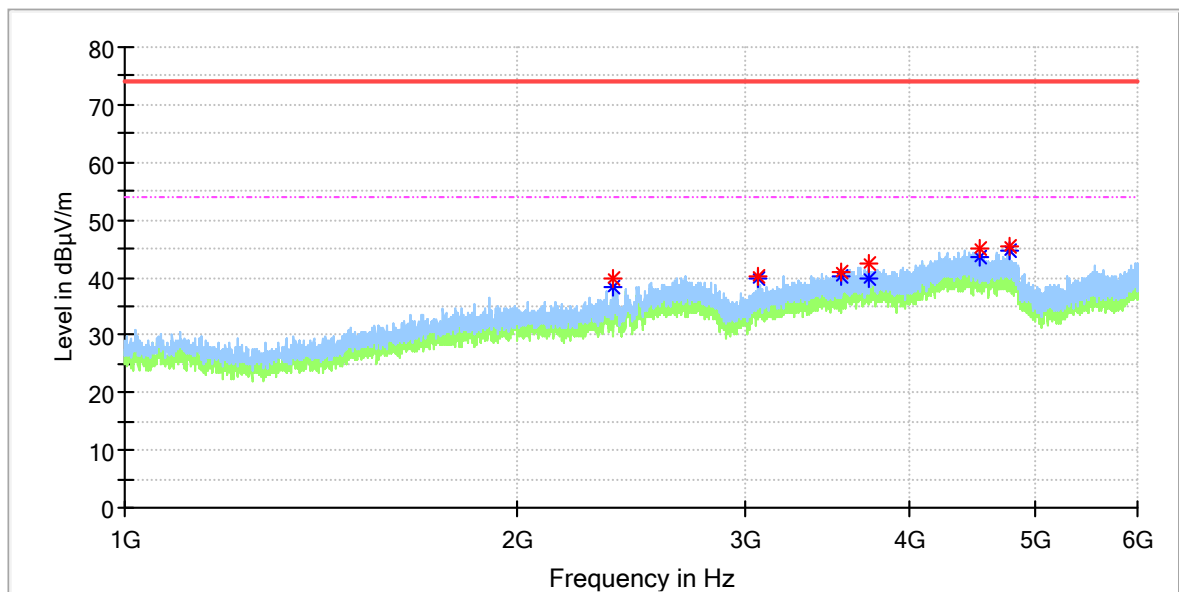


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2677.500000     | 40.27            | ---              | 74.00          | 33.73       | 100.0       | V   | 229.0         | -3.2         |
| 2827.500000     | ---              | 38.73            | 54.00          | 15.27       | 100.0       | V   | 141.0         | -4.3         |
| 3512.500000     | 40.88            | ---              | 74.00          | 33.12       | 100.0       | V   | 0.0           | -1.0         |
| 3591.000000     | ---              | 39.72            | 54.00          | 14.28       | 100.0       | V   | 290.0         | -0.6         |
| 3839.500000     | ---              | 41.51            | 54.00          | 12.49       | 100.0       | V   | 8.0           | 0.0          |
| 3866.500000     | 42.57            | ---              | 74.00          | 31.43       | 100.0       | V   | 295.0         | 0.0          |
| 4310.000000     | ---              | 44.33            | 54.00          | 9.67        | 100.0       | V   | 97.0          | 2.2          |
| 4438.500000     | 45.17            | ---              | 74.00          | 28.83       | 100.0       | V   | 304.0         | 1.9          |
| 4684.500000     | 44.45            | ---              | 74.00          | 29.55       | 100.0       | V   | 160.0         | 2.5          |
| 4684.500000     | ---              | 43.40            | 54.00          | 10.60       | 100.0       | V   | 160.0         | 2.5          |
| 5956.000000     | ---              | 41.24            | 54.00          | 12.76       | 100.0       | V   | 88.0          | 2.1          |
| 5997.000000     | 42.70            | ---              | 74.00          | 31.30       | 100.0       | V   | 262.0         | 2.4          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating  
Test Voltage: AC 120V/60Hz  
Standard: FCC Part 15  
Test By:/Review By: Mac Xie/Gary Chen  
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: PSYC1202000

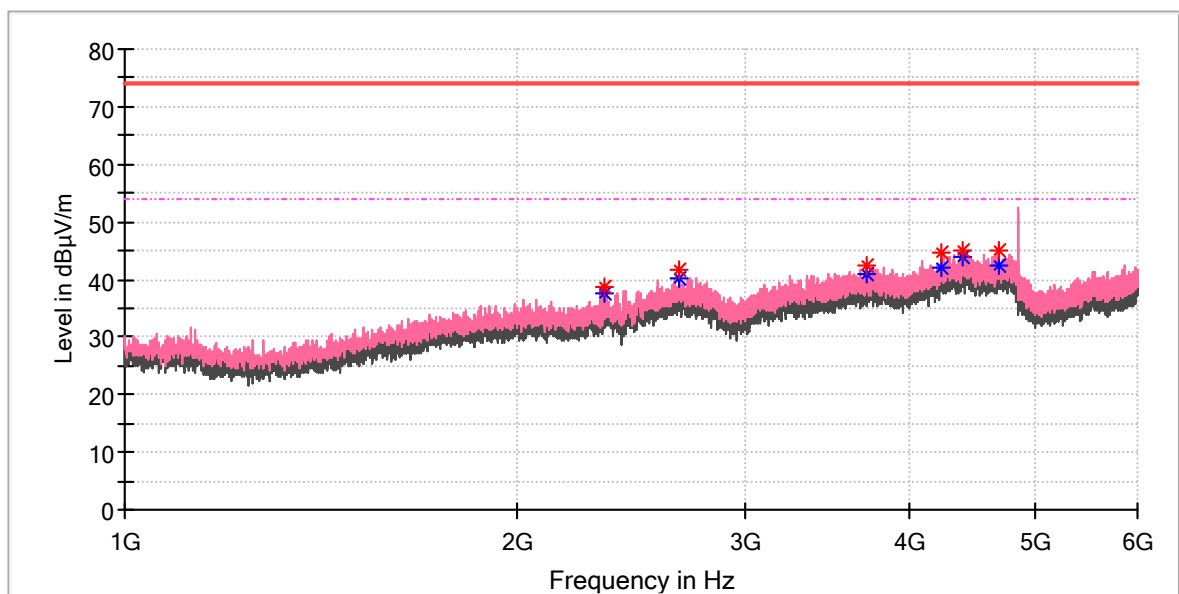


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2369.000000     | 39.69            | ---              | 74.00          | 34.31       | 100.0       | H   | 149.0         | -6.0         |
| 2369.000000     | ---              | 38.47            | 54.00          | 15.53       | 100.0       | H   | 149.0         | -6.0         |
| 3068.500000     | 40.28            | ---              | 74.00          | 33.72       | 100.0       | H   | 124.0         | -3.2         |
| 3068.500000     | ---              | 39.74            | 54.00          | 14.26       | 100.0       | H   | 124.0         | -3.2         |
| 3553.000000     | ---              | 40.03            | 54.00          | 13.97       | 100.0       | H   | 96.0          | -0.8         |
| 3553.000000     | 40.97            | ---              | 74.00          | 33.03       | 100.0       | H   | 96.0          | -0.8         |
| 3729.500000     | ---              | 39.75            | 54.00          | 14.25       | 100.0       | H   | 10.0          | 0.2          |
| 3729.500000     | 42.39            | ---              | 74.00          | 31.61       | 100.0       | H   | 10.0          | 0.2          |
| 4543.000000     | 45.00            | ---              | 74.00          | 29.00       | 100.0       | H   | 0.0           | 2.0          |
| 4543.000000     | ---              | 43.54            | 54.00          | 10.46       | 100.0       | H   | 0.0           | 2.0          |
| 4779.500000     | ---              | 44.64            | 54.00          | 9.36        | 100.0       | H   | 210.0         | 2.7          |
| 4779.500000     | 45.38            | ---              | 74.00          | 28.62       | 100.0       | H   | 210.0         | 2.7          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating  
Test Voltage: AC 120V/60Hz  
Standard: FCC Part 15  
Test By./Review By: Mac Xie/Gary Chen  
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa  
Remark: 3m chamber  
AC/DC Adapter: PSYC1202000

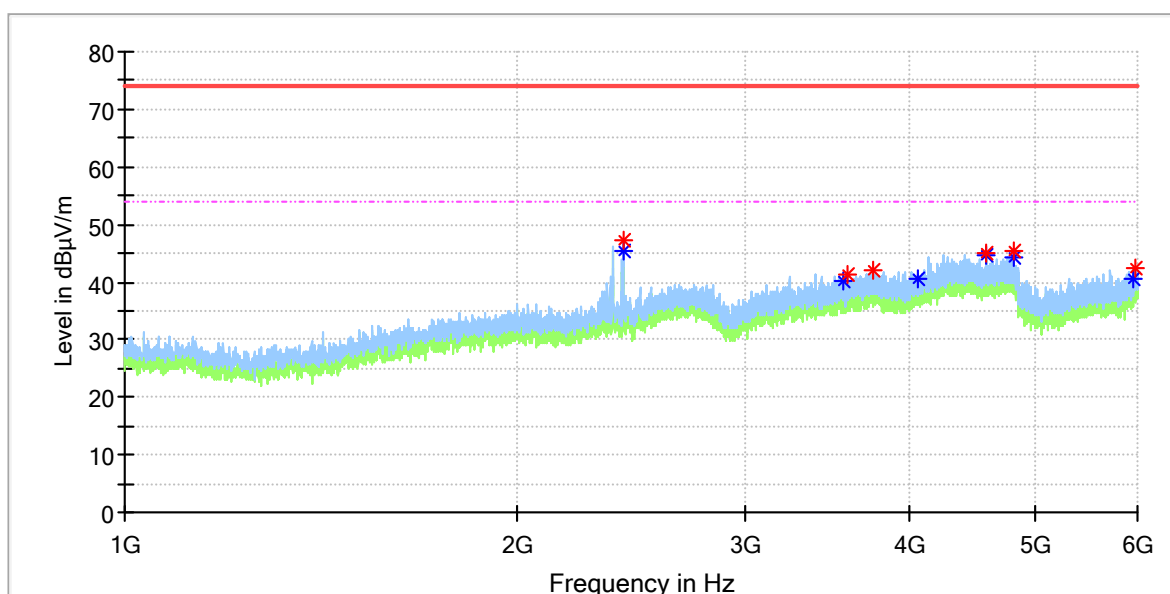


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2335.500000     | 38.64            | ---              | 74.00          | 35.36       | 100.0       | V   | 18.0          | -6.4         |
| 2335.500000     | ---              | 37.61            | 54.00          | 16.39       | 100.0       | V   | 18.0          | -6.4         |
| 2663.500000     | ---              | 40.15            | 54.00          | 13.85       | 100.0       | V   | 93.0          | -3.3         |
| 2663.500000     | 41.72            | ---              | 74.00          | 32.28       | 100.0       | V   | 93.0          | -3.3         |
| 3717.500000     | 42.53            | ---              | 74.00          | 31.47       | 100.0       | V   | 69.0          | 0.3          |
| 3717.500000     | ---              | 41.05            | 54.00          | 12.95       | 100.0       | V   | 69.0          | 0.3          |
| 4247.500000     | 44.76            | ---              | 74.00          | 29.24       | 100.0       | V   | 79.0          | 1.8          |
| 4247.500000     | ---              | 41.97            | 54.00          | 12.03       | 100.0       | V   | 79.0          | 1.8          |
| 4408.500000     | ---              | 43.96            | 54.00          | 10.04       | 100.0       | V   | 265.0         | 1.9          |
| 4408.500000     | 45.08            | ---              | 74.00          | 28.92       | 100.0       | V   | 265.0         | 1.9          |
| 4695.500000     | 45.03            | ---              | 74.00          | 28.97       | 100.0       | V   | 270.0         | 2.6          |
| 4695.500000     | ---              | 42.53            | 54.00          | 11.47       | 100.0       | V   | 270.0         | 2.6          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating POE  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber

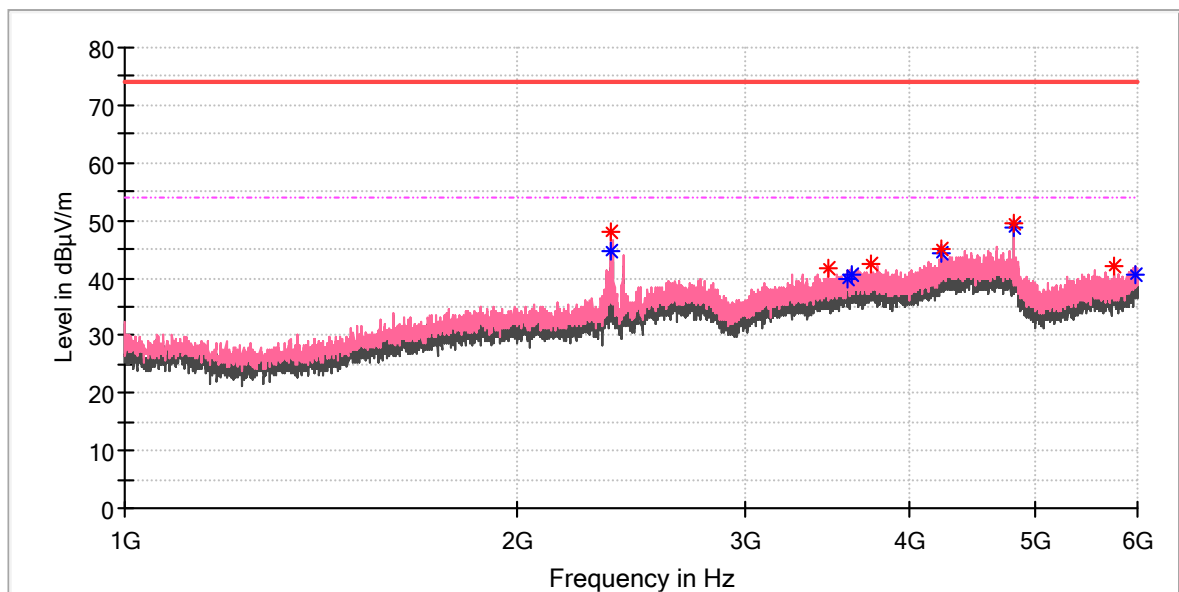


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2415.500000     | 47.12            | ---              | 74.00          | 26.88       | 100.0       | H   | 206.0         | -5.6         |
| 2417.000000     | ---              | 45.33            | 54.00          | 8.67        | 100.0       | H   | 206.0         | -5.6         |
| 3565.500000     | ---              | 40.31            | 54.00          | 13.69       | 100.0       | H   | 0.0           | -0.8         |
| 3586.000000     | 41.31            | ---              | 74.00          | 32.69       | 100.0       | H   | 153.0         | -0.7         |
| 3753.000000     | 42.11            | ---              | 74.00          | 31.89       | 100.0       | H   | 96.0          | 0.1          |
| 4075.500000     | ---              | 40.74            | 54.00          | 13.26       | 100.0       | H   | 321.0         | 0.8          |
| 4597.000000     | ---              | 44.67            | 54.00          | 9.33        | 100.0       | H   | 66.0          | 1.9          |
| 4597.000000     | 45.13            | ---              | 74.00          | 28.87       | 100.0       | H   | 66.0          | 1.9          |
| 4813.500000     | 45.31            | ---              | 74.00          | 28.69       | 100.0       | H   | 321.0         | 2.2          |
| 4813.500000     | ---              | 44.32            | 54.00          | 9.68        | 100.0       | H   | 321.0         | 2.2          |
| 5961.000000     | ---              | 40.74            | 54.00          | 13.26       | 100.0       | H   | 302.0         | 2.2          |
| 5971.500000     | 42.45            | ---              | 74.00          | 31.55       | 100.0       | H   | 159.0         | 2.2          |

## EUT Information

EUT Name: WisGate Edge Lite 2  
Model: RAK7268CV2H  
Test Mode: Operating POE  
Test Voltage: AC 120V/60Hz  
Test By/Review By: Jianhua Lu/Gary Chen  
Test Standard: FCC part 15  
Tem./Hum./Pressure: 23.8°C/52.5%/101kPa  
Remark: 3m chamber



## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2364.500000     | ---              | 44.69            | 54.00          | 9.31        | 100.0       | V   | 143.0         | -6.0         |
| 2365.000000     | 48.01            | ---              | 74.00          | 25.99       | 100.0       | V   | 143.0         | -6.0         |
| 3466.500000     | 41.68            | ---              | 74.00          | 32.32       | 100.0       | V   | 49.0          | -1.2         |
| 3588.000000     | ---              | 40.00            | 54.00          | 14.00       | 100.0       | V   | 272.0         | -0.7         |
| 3619.000000     | ---              | 40.54            | 54.00          | 13.46       | 100.0       | V   | 59.0          | -0.4         |
| 3744.500000     | 42.32            | ---              | 74.00          | 31.68       | 100.0       | V   | 0.0           | 0.2          |
| 4246.500000     | ---              | 44.16            | 54.00          | 9.84        | 100.0       | V   | 158.0         | 1.8          |
| 4246.500000     | 44.90            | ---              | 74.00          | 29.10       | 100.0       | V   | 158.0         | 1.8          |
| 4824.500000     | 49.33            | ---              | 74.00          | 24.67       | 100.0       | V   | 0.0           | 2.0          |
| 4824.500000     | ---              | 48.79            | 54.00          | 5.21        | 100.0       | V   | 0.0           | 2.0          |
| 5759.000000     | 42.04            | ---              | 74.00          | 31.96       | 100.0       | V   | 247.0         | 0.7          |
| 5973.500000     | ---              | 40.58            | 54.00          | 13.42       | 100.0       | V   | 158.0         | 2.3          |