

## RF Test Report

Applicant : Micro-Star INT'L CO., LTD.  
Product Name : Mesh Router  
Trade Name : msi  
Model Number : MRBE110  
Applicable Standard : FCC 47 CFR PART 15 SUBPART E  
ANSI C63.10:2013  
Received Date : Jun. 19, 2025  
Test Period : Jul. 05, 2025 ~ Aug. 19, 2025  
Issued Date : Sep. 22, 2025

### Issued by

Eurofins E&E Wireless Taiwan Co., Ltd.  
No. 140-1, Changan Street, Bade District,  
Taoyuan City, Taiwan (R.O.C.)  
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number: 1330  
Frequency Range: 9 kHz to 325 GHz  
Bade test site :  
Test Firm Registration Number: 226252  
Test Firm Designation Number: TW0010  
Wugu test site :  
Test Firm Registration Number: 191812  
Test Firm Designation Number: TW0034

### Note:

- 1.The test results are valid only for samples provided by customers and under the test conditions described in this report.
- 2.This report shall not be reproduced except in full, without the written approval of Eurofins E&E Wireless Taiwan Co., Ltd.
- 3.The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.

### Revision History

| Rev. | Issued Date   | Description   | Revised By  |
|------|---------------|---------------|-------------|
| 00   | Sep. 22, 2025 | Initial Issue | Rowan Hsieh |
|      |               |               |             |
|      |               |               |             |
|      |               |               |             |

## Verification of Compliance

Applicant : Micro-Star INT'L CO., LTD.

Product Name : Mesh Router

Trade Name : msi

Model Number : MRBE110

FCC ID : I4L-MRBE110

Applicable Standard : FCC 47 CFR PART 15 SUBPART E  
ANSI C63.10:2013

Test Result : Complied

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Taiwan Accreditation Foundation accreditation number: 1330

Eurofins E&E Wireless Taiwan Co., Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by Eurofins E&E Wireless Taiwan Co., Ltd. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By

: Kai Yu Yang

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# 1 General Information

## 1.1. Summary of Test Result

| Standard                     | Item                                   | Result    | Remark |
|------------------------------|----------------------------------------|-----------|--------|
| 15.407(b)(9)<br>15.207       | AC Power Conducted Emission            | PASS      | ---    |
| 15.407(b)<br>15.205 / 15.209 | Transmitter Radiated Emissions         | PASS      | ---    |
| 15.407(a)                    | Maximum Conducted Output Power         | PASS      | ---    |
| 15.407(a)                    | 26 dB RF Bandwidth                     | Reference | ---    |
| 15.407(e)                    | 6 dB RF Bandwidth                      | PASS      | ---    |
| 15.407(a)                    | Maximum Power Spectral Density         | PASS      | ---    |
| 15.407(c)                    | Automatically discontinue transmission | PASS      | ---    |
| 15.407(a)<br>15.203          | Antenna Requirement                    | PASS      | ---    |

### Decision Rule

- ☒ Uncertainty is not included.
- ☐ Uncertainty is included.

| Standard                  | Description                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|
| CFR47, Part 15, Subpart C | Intentional Radiators                                                                                                  |
| CFR47, Part 15, Subpart E | Unlicensed National Information Infrastructure Devices                                                                 |
| ANSI C63. 10: 2013        | American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices                         |
| KDB789033: D02            | Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E |
| KDB 662911 D01 v02r01     | Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)              |

## 1.2. Testing Location

Lab Name: Eurofins E&E Wireless Taiwan Co., Ltd.

Site Address: ☒ No. 140-1, Changan Street, Bade District, Taoyuan City, Taiwan (R.O.C.)

Site Address: ☐ No. 2, Wuquan 5th Rd. Wugu Dist., New Taipei City, Taiwan (R.O.C.)

## 1.3. Measurement Uncertainty

| Test Item              | Frequency             | Uncertainty |          |          |          |          |
|------------------------|-----------------------|-------------|----------|----------|----------|----------|
|                        |                       | BD          |          | WG       |          |          |
| Conducted Emission     | 150 kHz ~ 30 MHz      | 2.7 dB      |          | 2.6 dB   |          |          |
| Conducted Output Power |                       | 1.1 dB      |          | 1.1 dB   |          |          |
| RF Bandwidth           |                       | 4.4 %       |          | 4.4 %    |          |          |
| Power Spectral Density |                       | 1.1 dB      |          | 1.1 dB   |          |          |
| Duty Cycle             |                       | 0.3 %       |          | 0.3 %    |          |          |
| Time Occupancy         |                       | 0.2 %       |          | 0.1 %    |          |          |
| Test Item              | Frequency             | Uncertainty |          |          |          |          |
|                        |                       | 96601-BD    | 96603-BD | 96602-WG | 96603-WG | 96604-WG |
| Radiated Emission      | 9 kHz ~ 30 MHz        | 1.8 dB      | 1.8 dB   | 1.9 dB   | 1.9 dB   | 1.9 dB   |
|                        | 30 MHz ~ 1000 MHz     | 4.7 dB      | 4.7 dB   | 4.7 dB   | 4.7 dB   | 4.5 dB   |
|                        | 1000 MHz ~ 18000 MHz  | 4.7 dB      | 4.8 dB   | 4.6 dB   | 4.7 dB   | 5.1 dB   |
|                        | 18000 MHz ~ 26500 MHz | 4.0 dB      | 4.1 dB   | 3.9 dB   | 4.1 dB   | 4.3 dB   |
|                        | 26500 MHz ~ 40000 MHz | 4.2 dB      | 4.2 dB   | 4.2 dB   | 4.2 dB   | 4.6 dB   |

## 1.4. Test Site Environment

| Items            | Required (IEC 60068-1) | Interval(*) |
|------------------|------------------------|-------------|
| Temperature (°C) | 15-35                  | 20-30       |
| Humidity (%RH)   | 25-75                  | 45-75       |

(\*)The measurement ambient temperature is within this range.

## 2 EUT Description

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity(except Max. RF Output Power).

|              |                                                                                  |
|--------------|----------------------------------------------------------------------------------|
| Applicant    | Micro-Star INT'L CO., LTD.<br>No.69, Lide St., Zhonghe Dist.,New Taipei City 235 |
| Product Name | Mesh Router                                                                      |
| Trade Name   | msi                                                                              |
| Model Number | MRBE110                                                                          |
| FCC ID       | I4L-MRBE110                                                                      |

|                   | Frequency Band                                                          |                | Frequency Range (MHz) |
|-------------------|-------------------------------------------------------------------------|----------------|-----------------------|
|                   |                                                                         |                |                       |
| Operate Frequency | 802.11a                                                                 | U-NII Band 1   | 5180 – 5240           |
|                   |                                                                         | U-NII Band 2-A | 5260 – 5320           |
|                   |                                                                         | U-NII Band 2-C | 5500 – 5700           |
|                   |                                                                         | Straddle band  | 5720                  |
|                   |                                                                         | U-NII Band 3   | 5745 – 5825           |
|                   | 802.11n HT20 /<br>802.11ac VHT20 /<br>802.11ax HE20 /<br>802.11be EHT20 | U-NII Band 1   | 5180 – 5240           |
|                   |                                                                         | U-NII Band 2-A | 5260 – 5320           |
|                   |                                                                         | U-NII Band 2-C | 5500 – 5700           |
|                   |                                                                         | Straddle band  | 5720                  |
|                   |                                                                         | U-NII Band 3   | 5745 – 5825           |
|                   | 802.11n HT40 /<br>802.11ac VHT40 /<br>802.11ax HE40 /<br>802.11be EHT40 | U-NII Band 1   | 5190 – 5230           |
|                   |                                                                         | U-NII Band 2-A | 5270 – 5310           |
|                   |                                                                         | U-NII Band 2-C | 5510 – 5670           |
|                   |                                                                         | Straddle band  | 5710                  |
|                   |                                                                         | U-NII Band 3   | 5755 – 5795           |
|                   | 802.11ac VHT80 /<br>802.11ax HE80 /<br>802.11be EHT80                   | U-NII Band 1   | 5210                  |
|                   |                                                                         | U-NII Band 2-A | 5290                  |
|                   |                                                                         | U-NII Band 2-C | 5530                  |
|                   |                                                                         | Straddle band  | 5690                  |
|                   |                                                                         | U-NII Band 3   | 5775                  |
|                   | 802.11ac VHT160 /<br>802.11ax HE160 /<br>802.11be EHT160                | U-NII Band 1   | 5250                  |
|                   |                                                                         | U-NII Band 2-A |                       |
|                   |                                                                         | U-NII Band 2-C | 5570                  |
|                   | 802.11be EHT240                                                         | U-NII Band 2-C | 5610                  |
| Modulation Type   | OFDM/OFDMA                                                              |                |                       |

|                     |                        |                 |             |                 |        |
|---------------------|------------------------|-----------------|-------------|-----------------|--------|
| Antenna information | Antenna                | Model           | Type        | Max. Gain (dBi) |        |
|                     | ANT-0<br>(ANT3)        | EmP214-B-I70(B) | PCB Antenna | 5150 – 5350 MHz | 4.1105 |
|                     |                        |                 |             | 5470 – 5725 MHz | 3.9664 |
|                     |                        |                 |             | 5725 – 5850 MHz | 3.912  |
|                     | ANT-1<br>(ANT4)        | EmP271-B-I75(G) | PCB Antenna | 5150 – 5350 MHz | 4.1747 |
|                     |                        |                 |             | 5470 – 5725 MHz | 4.8479 |
|                     |                        |                 |             | 5725 – 5850 MHz | 4.8259 |
|                     | Combined Gain (dBi)    |                 |             |                 |        |
|                     | U-NII Band 1           |                 |             | 2.62            |        |
|                     | U-NII Band 2-A         |                 |             | 2.90            |        |
|                     | U-NII Band 2-C         |                 |             | 2.78            |        |
|                     | U-NII Band 3           |                 |             | 2.82            |        |
|                     | Beamforming Gain (dBi) |                 |             |                 |        |
|                     | U-NII Band 1           |                 |             | 4.09            |        |
|                     | U-NII Band 2-A         |                 |             | 4.09            |        |
|                     | U-NII Band 2-C         |                 |             | 3.07            |        |
|                     | U-NII Band 3           |                 |             | 2.97            |        |
| Antenna Delivery    | Reference section 3.1  |                 |             |                 |        |
| Operate Temp. Range | 0 ~ +40 °C             |                 |             |                 |        |
| EUT Power Rating    | 12 Vdc, 3 A            |                 |             |                 |        |

| Testing Sample No. |               |
|--------------------|---------------|
| Test Item          | Sample Number |
| Radiated Emissions | C256271_A004  |
| Conducted          | C256271_A006  |
| Conducted Emission | C256271_A004  |

| Frequency Band  |                               | Max. RF Output Power (W) |
|-----------------|-------------------------------|--------------------------|
| 802.11a         | U-NII Band 1                  | 0.794                    |
|                 | U-NII Band 2-A                | 0.182                    |
|                 | U-NII Band 2-C                | 0.203                    |
|                 | U-NII Band 3                  | 0.934                    |
| 802.11n HT20    | U-NII Band 1                  | 0.807                    |
|                 | U-NII Band 2-A                | 0.195                    |
|                 | U-NII Band 2-C                | 0.205                    |
|                 | U-NII Band 3                  | 0.927                    |
| 802.11n HT40    | U-NII Band 1                  | 0.605                    |
|                 | U-NII Band 2-A                | 0.228                    |
|                 | U-NII Band 2-C                | 0.234                    |
|                 | U-NII Band 3                  | 0.926                    |
| 802.11ac VHT20  | U-NII Band 1                  | 0.835                    |
|                 | U-NII Band 2-A                | 0.199                    |
|                 | U-NII Band 2-C                | 0.208                    |
|                 | U-NII Band 3                  | 0.950                    |
| 802.11ac VHT40  | U-NII Band 1                  | 0.624                    |
|                 | U-NII Band 2-A                | 0.233                    |
|                 | U-NII Band 2-C                | 0.237                    |
|                 | U-NII Band 3                  | 0.954                    |
| 802.11ac VHT80  | U-NII Band 1                  | 0.107                    |
|                 | U-NII Band 2-A                | 0.194                    |
|                 | U-NII Band 2-C                | 0.237                    |
|                 | U-NII Band 3                  | 0.529                    |
| 802.11ac VHT160 | U-NII Band 1 & U-NII Band 2-A | 0.100                    |
|                 | U-NII Band 2-C                | 0.233                    |
| 802.11ax HE20   | U-NII Band 1                  | 0.762                    |
|                 | U-NII Band 2-A                | 0.192                    |
|                 | U-NII Band 2-C                | 0.195                    |
|                 | U-NII Band 3                  | 0.905                    |
| 802.11ax HE40   | U-NII Band 1                  | 0.566                    |
|                 | U-NII Band 2-A                | 0.225                    |
|                 | U-NII Band 2-C                | 0.223                    |
|                 | U-NII Band 3                  | 0.850                    |
| 802.11ax HE80   | U-NII Band 1                  | 0.159                    |
|                 | U-NII Band 2-A                | 0.155                    |
|                 | U-NII Band 2-C                | 0.230                    |
|                 | U-NII Band 3                  | 0.440                    |
| 802.11ax HE160  | U-NII Band 1 & U-NII Band 2-A | 0.132                    |
|                 | U-NII Band 2-C                | 0.232                    |

| Frequency Band  |                               | Max. RF Output Power (W) |
|-----------------|-------------------------------|--------------------------|
| 802.11be EHT20  | U-NII Band 1                  | 0.814                    |
|                 | U-NII Band 2-A                | 0.207                    |
|                 | U-NII Band 2-C                | 0.207                    |
|                 | U-NII Band 3                  | 0.962                    |
| 802.11be EHT40  | U-NII Band 1                  | 0.609                    |
|                 | U-NII Band 2-A                | 0.242                    |
|                 | U-NII Band 2-C                | 0.235                    |
|                 | U-NII Band 3                  | 0.925                    |
| 802.11be EHT80  | U-NII Band 1                  | 0.172                    |
|                 | U-NII Band 2-A                | 0.163                    |
|                 | U-NII Band 2-C                | 0.243                    |
|                 | U-NII Band 3                  | 0.476                    |
| 802.11be EHT160 | U-NII Band 1 & U-NII Band 2-A | 0.143                    |
|                 | U-NII Band 2-C                | 0.240                    |
| 802.11be EHT240 | U-NII Band 2-C                | 0.191                    |

## Beamforming on

| Frequency Band  |                               | Max. RF Output Power (W) |
|-----------------|-------------------------------|--------------------------|
| 802.11n HT20    | U-NII Band 1                  | 0.560                    |
|                 | U-NII Band 2-A                | 0.134                    |
|                 | U-NII Band 2-C                | 0.172                    |
|                 | U-NII Band 3                  | 0.793                    |
| 802.11n HT40    | U-NII Band 1                  | 0.411                    |
|                 | U-NII Band 2-A                | 0.165                    |
|                 | U-NII Band 2-C                | 0.195                    |
|                 | U-NII Band 3                  | 0.801                    |
| 802.11ac VHT20  | U-NII Band 1                  | 0.578                    |
|                 | U-NII Band 2-A                | 0.140                    |
|                 | U-NII Band 2-C                | 0.176                    |
|                 | U-NII Band 3                  | 0.806                    |
| 802.11ac VHT40  | U-NII Band 1                  | 0.424                    |
|                 | U-NII Band 2-A                | 0.168                    |
|                 | U-NII Band 2-C                | 0.200                    |
|                 | U-NII Band 3                  | 0.832                    |
| 802.11ac VHT80  | U-NII Band 1                  | 0.077                    |
|                 | U-NII Band 2-A                | 0.140                    |
|                 | U-NII Band 2-C                | 0.205                    |
|                 | U-NII Band 3                  | 0.443                    |
| 802.11ac VHT160 | U-NII Band 1 & U-NII Band 2-A | 0.069                    |
|                 | U-NII Band 2-C                | 0.195                    |
| 802.11ax HE20   | U-NII Band 1                  | 0.535                    |
|                 | U-NII Band 2-A                | 0.132                    |
|                 | U-NII Band 2-C                | 0.165                    |
|                 | U-NII Band 3                  | 0.749                    |
| 802.11ax HE40   | U-NII Band 1                  | 0.404                    |
|                 | U-NII Band 2-A                | 0.165                    |
|                 | U-NII Band 2-C                | 0.185                    |
|                 | U-NII Band 3                  | 0.713                    |
| 802.11ax HE80   | U-NII Band 1                  | 0.115                    |
|                 | U-NII Band 2-A                | 0.106                    |
|                 | U-NII Band 2-C                | 0.191                    |
|                 | U-NII Band 3                  | 0.372                    |
| 802.11ax HE160  | U-NII Band 1 & U-NII Band 2-A | 0.096                    |
|                 | U-NII Band 2-C                | 0.201                    |

| Frequency Band  |                               | Max. RF Output Power (W) |
|-----------------|-------------------------------|--------------------------|
| 802.11be EHT20  | U-NII Band 1                  | 0.566                    |
|                 | U-NII Band 2-A                | 0.144                    |
|                 | U-NII Band 2-C                | 0.175                    |
|                 | U-NII Band 3                  | 0.785                    |
| 802.11be EHT40  | U-NII Band 1                  | 0.418                    |
|                 | U-NII Band 2-A                | 0.174                    |
|                 | U-NII Band 2-C                | 0.201                    |
|                 | U-NII Band 3                  | 0.776                    |
| 802.11be EHT80  | U-NII Band 1                  | 0.124                    |
|                 | U-NII Band 2-A                | 0.112                    |
|                 | U-NII Band 2-C                | 0.207                    |
|                 | U-NII Band 3                  | 0.412                    |
| 802.11be EHT160 | U-NII Band 1 & U-NII Band 2-A | 0.101                    |
|                 | U-NII Band 2-C                | 0.208                    |
| 802.11be EHT240 | U-NII Band 2-C                | 0.164                    |

| Equipment Type                     |                     |     |
|------------------------------------|---------------------|-----|
| Outdoor access point               | point-to-point      | --- |
|                                    | point-to-multipoint | --- |
| Indoor access point                |                     | V   |
| Fixed point-to-point access points |                     | --- |
| Client devices                     |                     | --- |

5150 MHz ~5250 MHz(UNII-1):

|        |             |      |      |      |      |
|--------|-------------|------|------|------|------|
| BW 20M | CH          | 36   | 40   | 44   | 48   |
|        | Freq. (MHz) | 5180 | 5200 | 5220 | 5240 |
| BW 40M | CH          | 38   |      | 46   |      |
|        | Freq. (MHz) | 5190 |      | 5230 |      |
| BW 80M | CH          | 42   |      |      |      |
|        | Freq. (MHz) | 5210 |      |      |      |

5250 MHz ~5350 MHz(UNII-2A):

|         |             |      |      |      |      |
|---------|-------------|------|------|------|------|
| BW 20M  | CH          | 52   | 56   | 60   | 64   |
|         | Freq. (MHz) | 5260 | 5280 | 5300 | 5320 |
| BW 40M  | CH          | 54   |      | 62   |      |
|         | Freq. (MHz) | 5270 |      | 5310 |      |
| BW 80M  | CH          | 58   |      |      |      |
|         | Freq. (MHz) | 5290 |      |      |      |
| BW 160M | CH          | 50   |      |      |      |
|         | Freq. (MHz) | 5250 |      |      |      |

5470 MHz ~5725 MHz(UNII-2C):

|         |             |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|
| BW 20M  | CH          | 100  | 104  | 108  | 112  | 116  | 120  | 124  | 128  | 132  | 136  | 140  | 144  |
|         | Freq. (MHz) | 5500 | 5520 | 5540 | 5560 | 5580 | 5600 | 5620 | 5640 | 5660 | 5680 | 5700 | 5720 |
| BW 40M  | CH          | 102  |      | 110  |      | 118  |      | 126  |      | 134  |      | 142  |      |
|         | Freq. (MHz) | 5510 |      | 5550 |      | 5590 |      | 5630 |      | 5670 |      | 5710 |      |
| BW 80M  | CH          | 106  |      |      |      | 122  |      |      |      | 138  |      |      |      |
|         | Freq. (MHz) | 5530 |      |      |      | 5610 |      |      |      | 5690 |      |      |      |
| BW 160M | CH          | 114  |      |      |      |      |      |      |      | NA   |      |      |      |
|         | Freq. (MHz) | 5570 |      |      |      |      |      |      |      |      |      |      |      |
| BW 240M | CH          | 122  |      |      |      |      |      |      |      |      |      |      |      |
|         | Freq. (MHz) | 5610 |      |      |      |      |      |      |      |      |      |      |      |

5725 MHz ~5850 MHz(UNII-3):

|        |             |      |      |      |      |      |
|--------|-------------|------|------|------|------|------|
| BW 20M | CH          | 149  | 153  | 157  | 161  | 165  |
|        | Freq. (MHz) | 5745 | 5765 | 5785 | 5805 | 5825 |
| BW 40M | CH          | 151  |      | 159  |      | NA   |
|        | Freq. (MHz) | 5755 |      | 5795 |      |      |
| BW 80M | CH          | 155  |      |      |      |      |
|        | Freq. (MHz) | 5775 |      |      |      |      |

### 3 Test Methodology

#### 3.1. Mode of Operation

Decision of Test Eurofins has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

| Pre-Test Mode   | Final-Test Mode |
|-----------------|-----------------|
| Transmit Mode   | V               |
| 802.11a         | V               |
| 802.11n HT20    |                 |
| 802.11n HT40    |                 |
| 802.11ac VHT20  | V               |
| 802.11ac VHT40  | V               |
| 802.11ac VHT80  | V               |
| 802.11ac VHT160 | V               |
| 802.11ax HE20   |                 |
| 802.11ax HE40   |                 |
| 802.11ax HE80   |                 |
| 802.11ax HE160  |                 |
| 802.11be EHT20  | V               |
| 802.11be EHT40  | V               |
| 802.11be EHT80  | V               |
| 802.11be EHT160 | V               |
| 802.11be EHT240 | V               |

Software used to control the EUT for staying in continuous transmitting mode was programmed.

After verification, all tests were carried out with the worst case test modes.

By preliminary testing and verifying three axis (X, Y and Z) position of EUT transmitted status, it was found that "X axis" position was the worst, then the final test was executed the worst condition and test data were recorded in this report.

Note 1: Investigation has been done on all the possible configurations for searching the worst cases (VHT covers HT). The table is a list of the test modes show in this test report.

Note 2: Investigation has been done on all the possible configurations for searching the worst cases (EHT covers HE). The table is a list of the test modes show in this test report.

Note 3: The test result of IEEE 802.11be / 802.11ax only supports Full RU.

| Test Mode       | ANT-0 | ANT-1 | ANT-0+1 |
|-----------------|-------|-------|---------|
| 802.11a         | V     | V     | V       |
| 802.11n HT20    | V     | V     | V       |
| 802.11n HT40    | V     | V     | V       |
| 802.11ac VHT20  | V     | V     | V       |
| 802.11ac VHT40  | V     | V     | V       |
| 802.11ac VHT80  | V     | V     | V       |
| 802.11ac VHT160 | V     | V     | V       |
| 802.11ax HE20   | V     | V     | V       |
| 802.11ax HE40   | V     | V     | V       |
| 802.11ax HE80   | V     | V     | V       |
| 802.11ax HE160  | V     | V     | V       |
| 802.11be EHT20  | V     | V     | V       |
| 802.11be EHT40  | V     | V     | V       |
| 802.11be EHT80  | V     | V     | V       |
| 802.11be EHT160 | V     | V     | V       |
| 802.11be EHT240 | V     | V     | V       |

| Test Mode       | Antenna Delivery          | Data Rate (Mbps) | Band                          | Test Channel       |
|-----------------|---------------------------|------------------|-------------------------------|--------------------|
| 802.11a         | 2TX (STBC)                | 6                | U-NII Band 1                  | 36, 40, 48         |
|                 |                           |                  | U-NII Band 2-A                | 52, 56, 64         |
|                 |                           |                  | U-NII Band 2-C                | 100, 112, 140, 144 |
|                 |                           |                  | U-NII Band 3                  | 144, 149, 157, 165 |
| 802.11n HT20    | 2TX (STBC/Beamforming on) | 13               | U-NII Band 1                  | 36, 40, 48         |
|                 |                           |                  | U-NII Band 2-A                | 52, 56, 64         |
|                 |                           |                  | U-NII Band 2-C                | 100, 112, 140, 144 |
|                 |                           |                  | U-NII Band 3                  | 144, 149, 157, 165 |
| 802.11n HT40    | 2TX (STBC/Beamforming on) | 27               | U-NII Band 1                  | 38, 46             |
|                 |                           |                  | U-NII Band 2-A                | 54, 62             |
|                 |                           |                  | U-NII Band 2-C                | 102, 110, 134, 142 |
|                 |                           |                  | U-NII Band 3                  | 142, 151,159       |
| 802.11ac VHT20  | 2TX (STBC/Beamforming on) | 13               | U-NII Band 1                  | 36, 40, 48         |
|                 |                           |                  | U-NII Band 2-A                | 52, 56, 64         |
|                 |                           |                  | U-NII Band 2-C                | 100, 112, 140, 144 |
|                 |                           |                  | U-NII Band 3                  | 144, 149, 157, 165 |
| 802.11ac VHT40  | 2TX (STBC/Beamforming on) | 27               | U-NII Band 1                  | 38, 46             |
|                 |                           |                  | U-NII Band 2-A                | 54, 62             |
|                 |                           |                  | U-NII Band 2-C                | 102, 110, 134, 142 |
|                 |                           |                  | U-NII Band 3                  | 142, 151,159       |
| 802.11ac VHT80  | 2TX (STBC/Beamforming on) | 58.6             | U-NII Band 1                  | 42                 |
|                 |                           |                  | U-NII Band 2-A                | 58                 |
|                 |                           |                  | U-NII Band 2-C                | 106, 122, 138      |
|                 |                           |                  | U-NII Band 3                  | 138, 155           |
| 802.11ac VHT160 | 2TX (STBC/Beamforming on) | 117              | U-NII Band 1 & U-NII Band 2-A | 50                 |
|                 |                           |                  | U-NII Band 2-C                | 114                |

| Test Mode       | Antenna Delivery          | Data Rate (Mbps) | Band                          | Test Channel       |
|-----------------|---------------------------|------------------|-------------------------------|--------------------|
| 802.11ax HE20   | 2TX (STBC/Beamforming on) | MCS 0            | U-NII Band 1                  | 36, 40, 48         |
|                 |                           |                  | U-NII Band 2-A                | 52, 56, 64         |
|                 |                           |                  | U-NII Band 2-C                | 100, 112, 140, 144 |
|                 |                           |                  | U-NII Band 3                  | 144, 149, 157, 165 |
| 802.11ax HE40   | 2TX (STBC/Beamforming on) | MCS 0            | U-NII Band 1                  | 38, 46             |
|                 |                           |                  | U-NII Band 2-A                | 54, 62             |
|                 |                           |                  | U-NII Band 2-C                | 102, 110, 134, 142 |
|                 |                           |                  | U-NII Band 3                  | 142, 151,159       |
| 802.11ax HE80   | 2TX (STBC/Beamforming on) | MCS 0            | U-NII Band 1                  | 42                 |
|                 |                           |                  | U-NII Band 2-A                | 58                 |
|                 |                           |                  | U-NII Band 2-C                | 106, 122, 138      |
|                 |                           |                  | U-NII Band 3                  | 138, 155           |
| 802.11ax HE160  | 2TX (STBC/Beamforming on) | MCS 0            | U-NII Band 1 & U-NII Band 2-A | 50                 |
|                 |                           |                  | U-NII Band 2-C                | 114                |
| 802.11be EHT20  | 2TX (STBC/Beamforming on) | MCS 0            | U-NII Band 1                  | 36, 40, 48         |
|                 |                           |                  | U-NII Band 2-A                | 52, 56, 64         |
|                 |                           |                  | U-NII Band 2-C                | 100, 112, 140, 144 |
|                 |                           |                  | U-NII Band 3                  | 144, 149, 157, 165 |
| 802.11be EHT40  | 2TX (STBC/Beamforming on) | MCS 0            | U-NII Band 1                  | 38, 46             |
|                 |                           |                  | U-NII Band 2-A                | 54, 62             |
|                 |                           |                  | U-NII Band 2-C                | 102, 110, 134, 142 |
|                 |                           |                  | U-NII Band 3                  | 142, 151,159       |
| 802.11be EHT80  | 2TX (STBC/Beamforming on) | MCS 0            | U-NII Band 1                  | 42                 |
|                 |                           |                  | U-NII Band 2-A                | 58                 |
|                 |                           |                  | U-NII Band 2-C                | 106, 122, 138      |
|                 |                           |                  | U-NII Band 3                  | 138, 155           |
| 802.11be EHT160 | 2TX (STBC/Beamforming on) | MCS 0            | U-NII Band 1 & U-NII Band 2-A | 50                 |
|                 |                           |                  | U-NII Band 2-C                | 114                |
| 802.11be EHT240 | 2TX (STBC/Beamforming on) | MCS 0            | U-NII Band 2-C                | 122                |

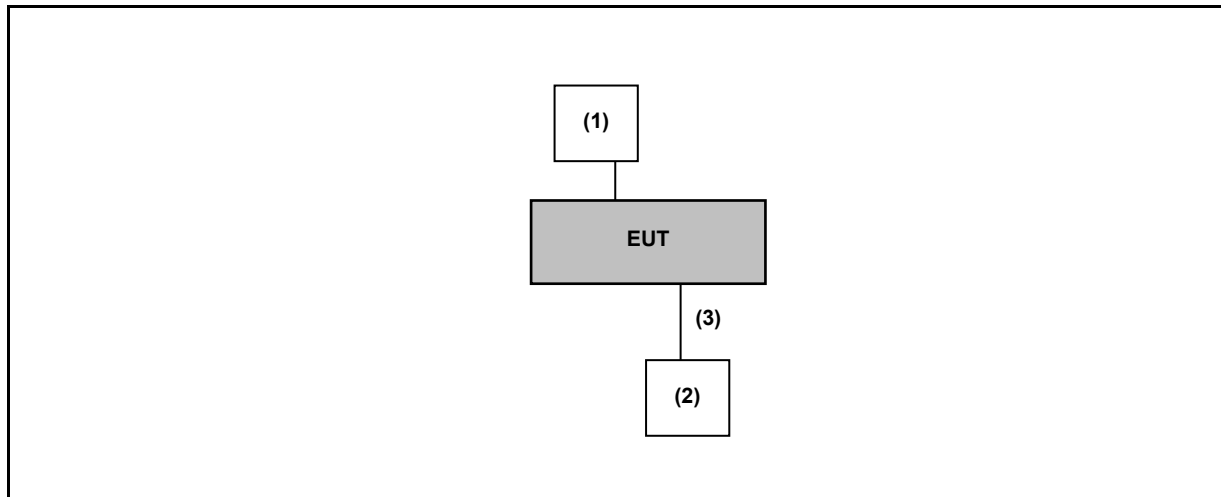
### 3.2. EUT Test Step

The EUT is operated in the engineering mode to fix the TX frequency for the purposes of measurement. According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

|    |                                                                |
|----|----------------------------------------------------------------|
| 1. | Setup the EUT shown on "Configuration of Test System Details". |
| 2. | Turn on the power of all equipment.                            |
| 3. | Turn on TX function.                                           |
| 4. | EUT run test program.                                          |

### 3.3. Configuration of Test System Details

Conducted Emission & Radiated Emission



| Devices Description |               |              |              |               |        |
|---------------------|---------------|--------------|--------------|---------------|--------|
|                     | Product       | Manufacturer | Model Number | Serial Number | Remark |
| (1)                 | AC/DC Adapter | MSI          | PD-9501GR/AC | ---           | ---    |
| (2)                 | NB            | ASUS         | P1448U       | ---           | ---    |
| (3)                 | LAN Cable     | TATUNG       | CAT5E        | ---           | ---    |

### 3.4. Test Instruments

For Conducted Emission

Test Period: Jul. 25, 2025

Testing Engineer: Jayson Hsieh

| Test Site                           |               | Conduction01-BD |                |               |               |             |
|-------------------------------------|---------------|-----------------|----------------|---------------|---------------|-------------|
| Use                                 | Equipment     | Manufacturer    | Model Number   | Serial Number | Cal. Date     | Cal. Period |
| <input checked="" type="checkbox"/> | Test Receiver | R&S             | ESCI           | 100367        | May 26, 2025  | 1 year      |
| <input checked="" type="checkbox"/> | LISN          | R&S             | ENV216         | 101040        | Feb. 26, 2025 | 1 year      |
| <input checked="" type="checkbox"/> | RF Cable      | Woken           | 00100D1380194M | TE-02-03      | Jun. 10, 2025 | 1 year      |
| <input checked="" type="checkbox"/> | Software      | EZ EMC          | 1.1.4.3        | N/A           | N.C.R.        | ---         |

For Conducted

Test Period: Jul. 11, 2024 ~ Aug. 19, 2024

Testing Engineer: Andy Lu, Brian Lin

| Test Site                           |                                       | RF01-BD      |              |               |               |             |
|-------------------------------------|---------------------------------------|--------------|--------------|---------------|---------------|-------------|
| Use                                 | Equipment                             | Manufacturer | Model Number | Serial Number | Cal. Date     | Cal. Period |
| <input checked="" type="checkbox"/> | Power Sensor                          | Anritsu      | MA2411B      | 1126022       | Aug. 29, 2024 | 1 year      |
| <input checked="" type="checkbox"/> | Power Meter                           | Anritsu      | ML2495A      | 1135009       | Aug. 29, 2024 | 1 year      |
| <input checked="" type="checkbox"/> | Spectrum Analyzer<br>(20 Hz~26.5 GHz) | Agilent      | N9020A       | US47520902    | Aug. 28, 2024 | 1 year      |
| <input checked="" type="checkbox"/> | Power Supply                          | KEITHLEY     | 2303         | 4045290       | Jan. 03, 2025 | 1 year      |

Note: N.C.R. = No Calibration Request.

For Radiated Emissions

Test Period: Jul. 05, 2025 ~ Aug. 15, 2025

Testing Engineer: Marc Yeh, Eason Lee

| Test Site                           |                                               | 96603-BD                       |                           |               |                                |             |
|-------------------------------------|-----------------------------------------------|--------------------------------|---------------------------|---------------|--------------------------------|-------------|
| Radiation test sites                |                                               | Semi Anechoic Room             |                           |               |                                |             |
| Use                                 | Equipment                                     | Manufacturer                   | Model Number              | Serial Number | Cal. Date                      | Cal. Period |
| <input checked="" type="checkbox"/> | Spectrum Analyzer<br>(10 Hz~44 GHz)           | Keysight                       | N9020B                    | MY60112363    | Jan. 13, 2025                  | 1 year      |
| <input checked="" type="checkbox"/> | Amplifier<br>(100 kHz~1.3 GHz)                | Agilent                        | 8447D                     | 2944A11119    | Jan. 7, 2025                   | 1 year      |
| <input checked="" type="checkbox"/> | Broadband Amplifier<br>(1 GHz~26.5 GHz)       | Titan                          | T0912E01263025<br>A1F     | 002           | Jul. 31, 2024<br>Aug. 07, 2025 | 1 year      |
| <input checked="" type="checkbox"/> | Loop Antenna<br>(9 kHz~30 MHz)                | COM-POWER<br>CORPORATION       | AL-130                    | 121014        | Mar. 27, 2025                  | 1 year      |
| <input checked="" type="checkbox"/> | Trilog Broadband<br>Antenna<br>(30 kHz~1 GHz) | Schwarzbeck<br>Mess-Elektronik | VULB9168                  | 01146         | Jun. 26, 2025                  | 1 year      |
| <input checked="" type="checkbox"/> | Broadband Horn<br>Antenna<br>(1 GHz~18 GHz)   | Schwarzbeck<br>Mess-Elektronik | 9120D                     | 02207         | Aug. 30, 2024                  | 1 year      |
| <input checked="" type="checkbox"/> | Broadband Horn<br>Antenna<br>(18 GHz~40 GHz)  | Schwarzbeck<br>Mess-Elektronik | 9170                      | 9170-320      | Jul. 22, 2024<br>Jul. 31, 2025 | 1 year      |
| <input checked="" type="checkbox"/> | Coaxial Cable                                 | Titan                          | T0710AT327A10A<br>100     | J11006        | Aug. 08, 2024                  | 1 year      |
| <input checked="" type="checkbox"/> | Coaxial Cable                                 | Titan                          | T0710AT327A10A<br>900     | J11003        | Aug. 08, 2024                  | 1 year      |
| <input checked="" type="checkbox"/> | Coaxial Cable                                 | Titan                          | EMCCFD400-NM-<br>NM-13000 | 210302        | Aug. 08, 2024                  | 1 year      |
| <input checked="" type="checkbox"/> | Software                                      | R_RAN                          | 1.4                       | N/A           | N.C.R.                         | ---         |

Note: N.C.R. = No Calibration Request.

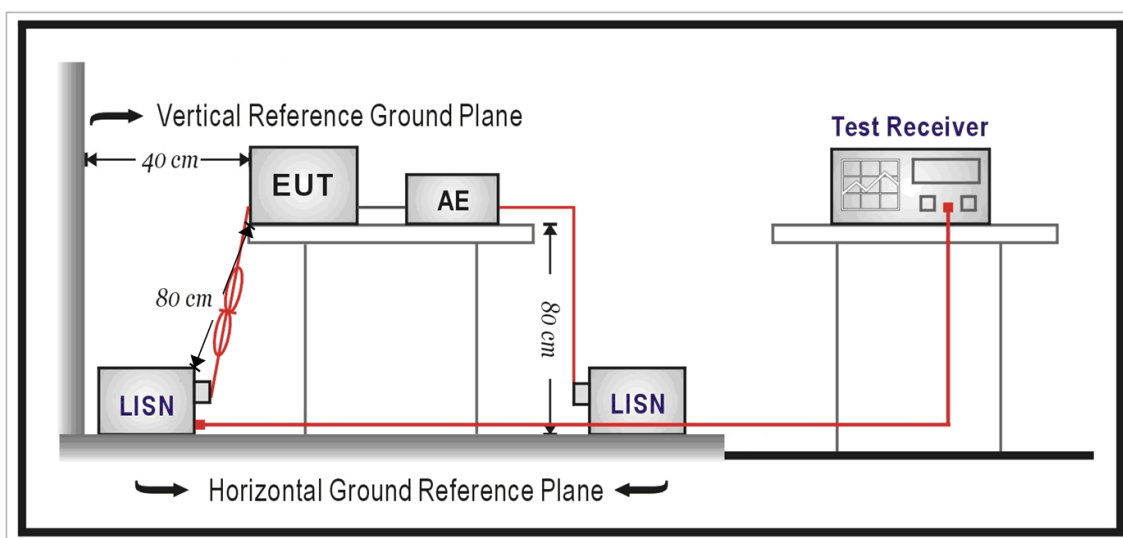
## 4 Measurement Procedure

### 4.1. AC Power Conducted Emission Measurement

#### ■ Limit

| Frequency (MHz) | Quasi-peak | Average  |
|-----------------|------------|----------|
| 0.15 - 0.5      | 66 to 56   | 56 to 46 |
| 0.50 - 5.0      | 56         | 46       |
| 5.0 - 30.0      | 60         | 50       |

#### ■ Test Setup



## ■ Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a  $50\ \Omega // 50\ \mu\text{H}$  coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a  $50\ \Omega // 50\ \mu\text{H}$  coupling impedance with 50 ohm termination.

Tabletop device shall be placed on a non-conducting platform, of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The wall of screened room shall be located 40 cm to the rear of the EUT. Other surfaces of tabletop or floor standing EUT shall be at least 80 cm from any other ground conducting surface including one or more LISNs. For floor-standing device shall be placed under the EUT with a 12 mm insulating material.

Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a resolution bandwidth of 9 kHz. The equipment under test (EUT) shall be meet the limits in section 4.1, as applicable, including the average limit and the quasi-peak limit when using respectively, an average detector and quasi-peak detector measured in accordance with the methods described of related standard. When all of peak value were complied with quasi-peak and average limit from 150 kHz to 30 MHz then quasi-peak and average measurement was unnecessary.

The AMN shall be placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for AMNs mounted on top of the ground reference plane. This distance is between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8 m from the AMN. If the mains power cable is longer than 1 m then the cable shall be folded back and forth at the centre of the lead to form a bundle no longer than 0.4 m. All of interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long. All of EUT and AE shall be separate place more than 0.1 m. All 50  $\Omega$  ports of the LISN shall be resistively terminated into 50  $\Omega$  loads when not connected to the measuring instrument.

If the reading of the measuring receiver shows fluctuations close to the limit, the reading shall be observed for at least 15 s at each measurement frequency; the higher reading shall be recorded with the exception of any brief isolated high reading which shall be ignored

## 4.2. Transmitter Radiated Emissions Measurement

### ■ Limit

(1) Undesirable emission limits. Except as shown in paragraph (b)(9) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (a) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (b) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (c) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (d) For transmitters operating in the 5.725-5.85 GHz band:
  - (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

| EIRP (dBm) | Field Strength at 3 m (dBuV/m) |
|------------|--------------------------------|
| -27        | 68.3                           |

(2) Limits of Radiated Emission Measurement

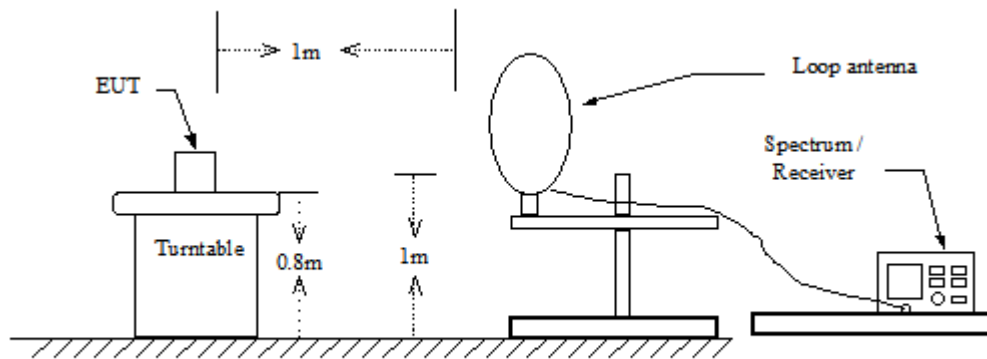
Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

| Frequency Range (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|-----------------------|-----------------------------------|-------------------------------|
| 0.009 ~ 0.490         | 2400/F(kHz)                       | 300                           |
| 0.490 ~ 1.705         | 24000/F(kHz)                      | 30                            |
| 1.705 ~ 30.0          | 30                                | 30                            |
| 30 ~ 88               | 10                                | 3                             |
| 88 ~ 216              | 150                               | 3                             |
| 216 ~ 960             | 200                               | 3                             |
| Above 960             | 500                               | 3                             |

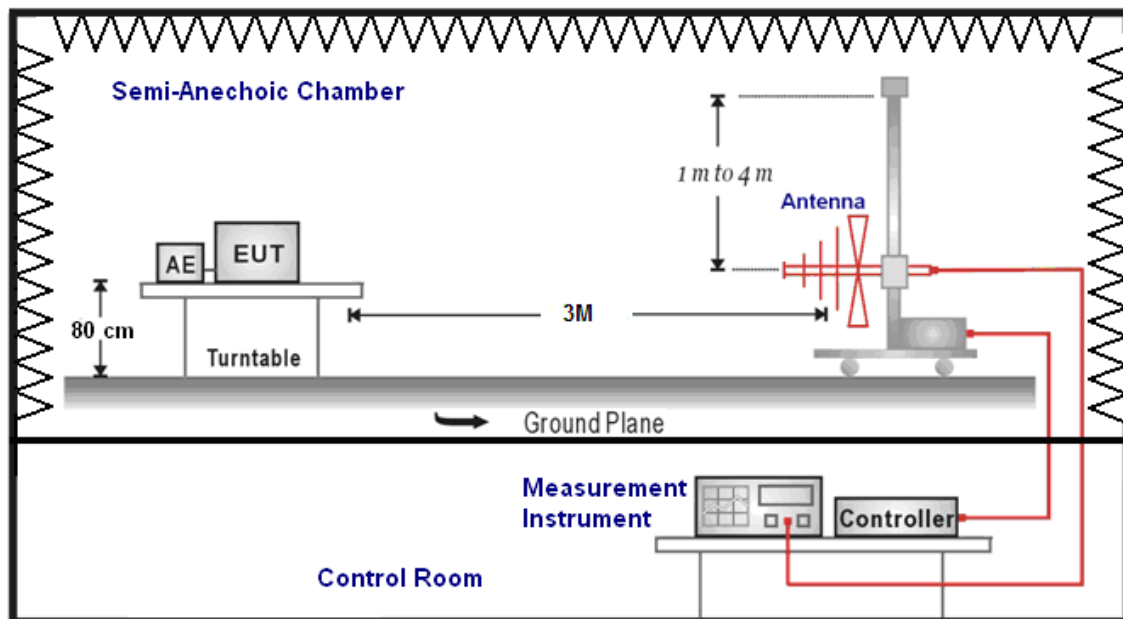
- Note:
- The lower limit shall apply at the transition frequencies.
  - Emission level (dBuV/m) = 20 log Emission level (uV/m).
  - As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

## ■ Setup

9 kHz ~ 30 MHz



30 MHz ~ 1 GHz





## ■ Test Procedure

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 or 1.5 meters height (below 1 GHz use 0.8 m turntable / above 1 GHz use 1.5 m turntable), top surface 1.0 x 1.5 meter. The spectrum was examined from 250 MHz to 2.5 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously & Measurements spectrum range from 9 kHz to 40 GHz is investigated.

For measurements below 30 MHz the resolution bandwidth is set to 10 kHz for peak detection measurements or 9 kHz for quasi-peak detection measurements. The video bandwidth is 3 times of the resolution bandwidth.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For restricted measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements and 10 Hz for average measurements when Duty cycle > 0.98 / 1/T for average measurements when Duty cycle < 0.98.

For out of band measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements.

A nonconductive material surrounded the EUT to supporting the EUT for standing on three orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

SCHWARZBECK MESS-ELEKTRONIK Trilog-Broadband Antenna at 3 Meter and the ETS-Lindgren Double-Ridged Waveguide Horn antenna Schwarzbeck Mess-Elektronik Broadband Horn Antenna was used in frequencies 1 – 40 GHz at a distance of 3 meter. The antenna at an angle toward the source of the emission. All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20 dB/decade).

For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post – detector video filters were used in the test.

The spectrum analyzer's 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in micro volts per meter (uV/m).

The actual field intensity in decibels referenced to 1 microvolt in to field intensity in micro volts per meter (dBuV/m).

Data of measurement within this frequency range without mark in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.

The actual field intensity in referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB), and cable loss (dB) and Subtracting the gain of preamplifier (dB) is auto calculate in spectrum analyzer.

(1) Amplitude (dBuV/m) = FI (dBuV) +AF (dBuV) +CL (dBuV)-Gain (dB)

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

(2) Actual Amplitude (dBuV/m) = Amplitude (dBuV)-Dis(dB)

The FCC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:

(a) For fundamental frequency : Transmitter Output < +30 dBm

(b) For spurious frequency : Spurious emission limits = fundamental emission limit /10

#### Measuring Instruments and setting

The following table is the setting of spectrum analyzer and receiver.

| Spectrum Parameter                       | Setting                                             |
|------------------------------------------|-----------------------------------------------------|
| Attenuation                              | Auto                                                |
| Start Frequency                          | 1000 MHz                                            |
| Stop Frequency                           | 40 GHz                                              |
| RBW/VBW(Emission in restricted band)     | 1 MHz / 3 MHz for Peak<br>1 MHz / (1/T) for Average |
| RBW/VBW(Emission in non-restricted band) | 1 MHz / 3 MHz for Peak                              |

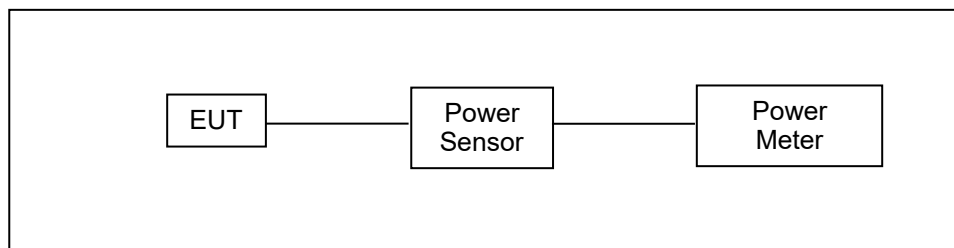
### 4.3. Maximum Conducted Output Power Measurement

#### ■ Limit

| Frequency Range (MHz) | FCC Maximum Conducted Output Power Limit             |
|-----------------------|------------------------------------------------------|
|                       | Master                                               |
| 5.150 ~ 5.250 GHz     | The lesser of 1 W (30 dBm)                           |
| 5.250 ~ 5.350 GHz     | The lesser of 250 mW (24 dBm) or 11 dBm + 10 log (B) |
| 5.470 ~ 5.725 GHz     | The lesser of 250 mW (24 dBm) or 11 dBm + 10 log (B) |
| 5.725 ~ 5.850 GHz     | The lesser of 1 W (30 dBm)                           |

According FCC KDB 662911 D01 v02r01 – for power measurements on IEEE802.11 devices,

#### ■ Test Setup



#### ■ Test Procedure

The test is performed in accordance with ANSI C63.10:2013 section 12.3.3.2, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices

Section (E) Maximum Conducted Output Power

3. Measurement using a Power Meter (PM)

b) Method PM-G (Measurement using a gated RF average power meter)

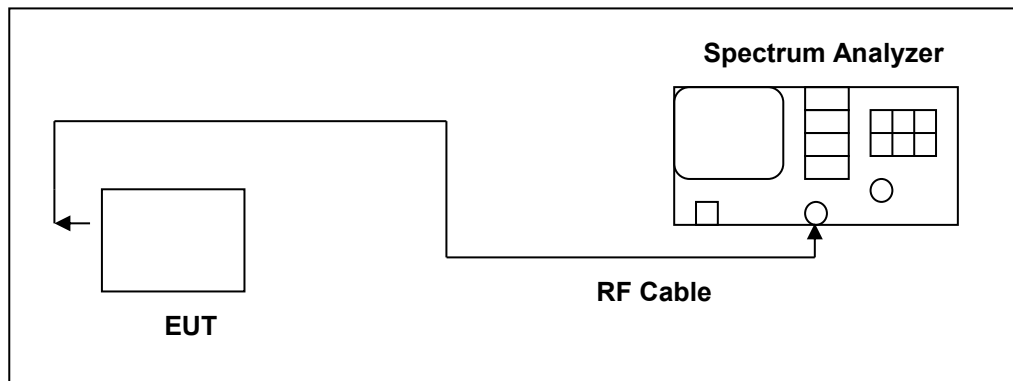
For Straddle channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the Power of the devices are uniform and comply with the lower limits specified for the Bands, a single measurement over the entire emission bandwidth can be preformed to show compliance.

#### 4.4. 26 dB RF Bandwidth Measurement

■ **Limit**

N/A

■ **Test Setup**



■ **Test Procedure**

The test is performed in accordance with ANSI C63.10:2013 section 12.4.1, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E.

| Spectrum Parameter | Setting                                     |
|--------------------|---------------------------------------------|
| Attenuation        | Auto                                        |
| Span Frequency     | >26 dB Bandwidth                            |
| RBW                | Approximately 1 % of the emission bandwidth |
| VBW                | VBW > RBW                                   |
| Detector           | Peak                                        |
| Trace              | Max Hold                                    |
| Sweep Time         | Auto                                        |

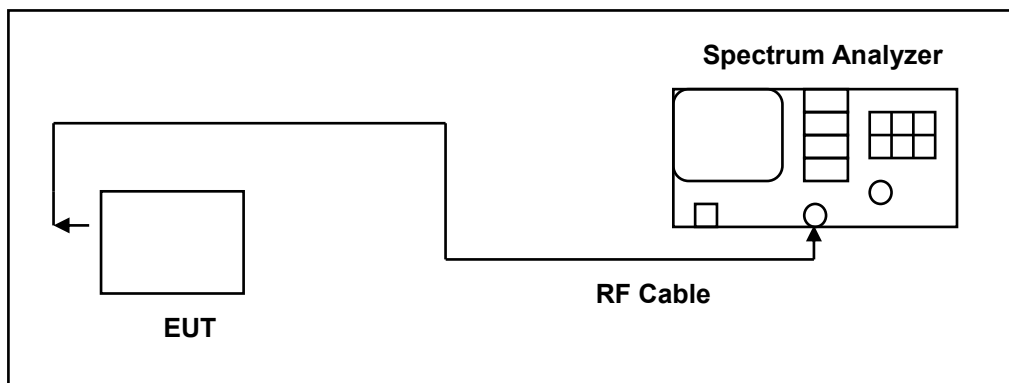
## 4.5. 6 dB RF Bandwidth Measurement

### ■ Limit

#### 6 dB RF Bandwidth

Systems using digital modulation techniques may operate in the 5725~5825 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

### ■ Test Setup



### ■ Test Procedure

#### 6 dB RF Bandwidth

The EUT tested to UNII test procedure of ANSI C63.10:2013 section 6.9.2 for compliance to FCC 47CFR 15.407 requirements.

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RES BW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A peak output reading was taken, a DISPLAY line was drawn 6 dB lower than peak level. The 6 dB bandwidth was determined from where the channel output spectrum intersected the display line.

The test was performed at 3 channels.

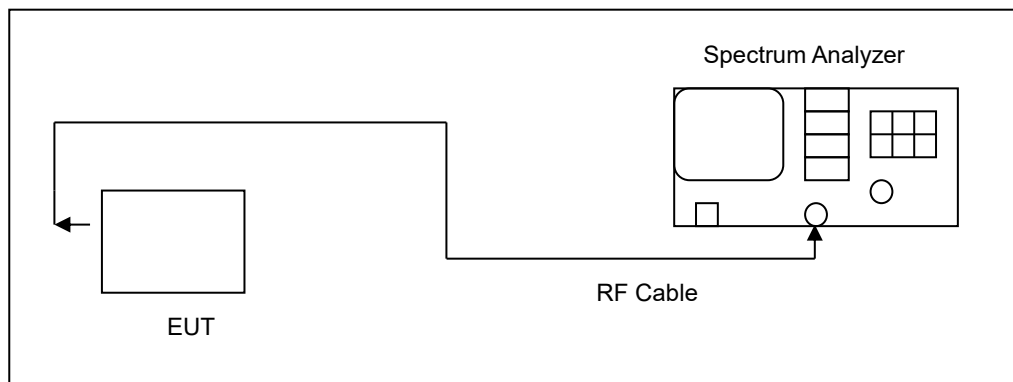
#### 4.6. Maximum Power Spectral Density Measurement

##### ■ Limit

| Frequency Range<br>(MHz) | FCC Limit      |
|--------------------------|----------------|
|                          | Master         |
| 5.150 ~ 5.250 GHz        | 17 dBm/MHz     |
| 5.250 ~ 5.350 GHz        | 11 dBm/MHz     |
| 5.470 ~ 5.725 GHz        | 11 dBm/MHz     |
| 5.725 ~ 5.850 GHz        | 30 dBm/500 kHz |

According FCC KDB 662911 D01 v02r01 – for power spectral density measurements on IEEE802.11 devices,

## ■ Test Setup



## ■ Test Procedure

The test is performed in accordance with ANSI C63.10:2013 section 12.5, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E.

| Spectrum Parameter                                                                                                                            | Setting                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Attenuation                                                                                                                                   | Auto                                                         |
| Span Frequency                                                                                                                                | Encompass the entire emissions bandwidth (EBW) of the signal |
| RBW                                                                                                                                           | 1 MHz<br>(5725 ~ 5850 MHz use 100 kHz)                       |
| VBW                                                                                                                                           | 3 MHz<br>(5725 ~ 5850 MHz use 300 kHz)                       |
| Detector                                                                                                                                      | RMS                                                          |
| Trace                                                                                                                                         | AVERAGE                                                      |
| Sweep Time                                                                                                                                    | Auto                                                         |
| Trace Average                                                                                                                                 | 100 times                                                    |
| Note: If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10 \log(500 \text{ kHz}/100 \text{ kHz})$ to the measured result. |                                                              |

#### 4.7. Automatically discontinue transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

■ **Declare**

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

## 4.8. Antenna Requirement

### ■ Requirement

For intentional device, according to 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And According to 15.407 (a), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### ■ Antenna Connector Construction

See section 2 – antenna information.

■ Directional Gain Calculated

| Test mode                                                                                                                                                                                                                                                              | Band     | Transmission Type | Antenna     |             |             |             | Directional Gain for | Directional Gain for | Power Limit    | PSD Limit      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|-------------|-------------|-------------|-------------|----------------------|----------------------|----------------|----------------|
|                                                                                                                                                                                                                                                                        |          |                   | Ant-0 (dBi) | Ant-1 (dBi) | Ant-2 (dBi) | Ant-3 (dBi) | Power (dBi)          | PSD (dBi)            | Reduction (dB) | Reduction (dB) |
| 802.11a                                                                                                                                                                                                                                                                | Band 1   | STBC              | -           | -           | -           | -           | 2.62                 | 2.62                 | -              | -              |
|                                                                                                                                                                                                                                                                        | Band 2-A |                   | -           | -           | -           | -           | 2.90                 | 2.90                 | -              | -              |
|                                                                                                                                                                                                                                                                        | Band 2-C |                   | -           | -           | -           | -           | 2.78                 | 2.78                 | -              | -              |
|                                                                                                                                                                                                                                                                        | Band 3   |                   | -           | -           | -           | -           | 2.82                 | 2.82                 | -              | -              |
| 802.11n HT20<br>802.11n HT40<br>802.11ac VHT20<br>802.11ac VHT40<br>802.11ac VHT80<br>802.11ac VHT160<br>802.11ax HE20<br>802.11ax HE40<br>802.11ax HE80<br>802.11ax HE160<br>802.11be EHT20<br>802.11be EHT40<br>802.11be EHT80<br>802.11be EHT160<br>802.11be EHT240 | Band 1   | STBC              | -           | -           | -           | -           | 2.62                 | 2.62                 | -              | -              |
| Band 2-A                                                                                                                                                                                                                                                               | -        |                   | -           | -           | -           | 2.90        | 2.90                 | -                    | -              |                |
|                                                                                                                                                                                                                                                                        | Band 2-C |                   | -           | -           | -           | -           | 2.78                 | 2.78                 | -              | -              |
| Band 3                                                                                                                                                                                                                                                                 |          |                   | -           | -           | -           | -           | 2.82                 | 2.82                 | -              | -              |

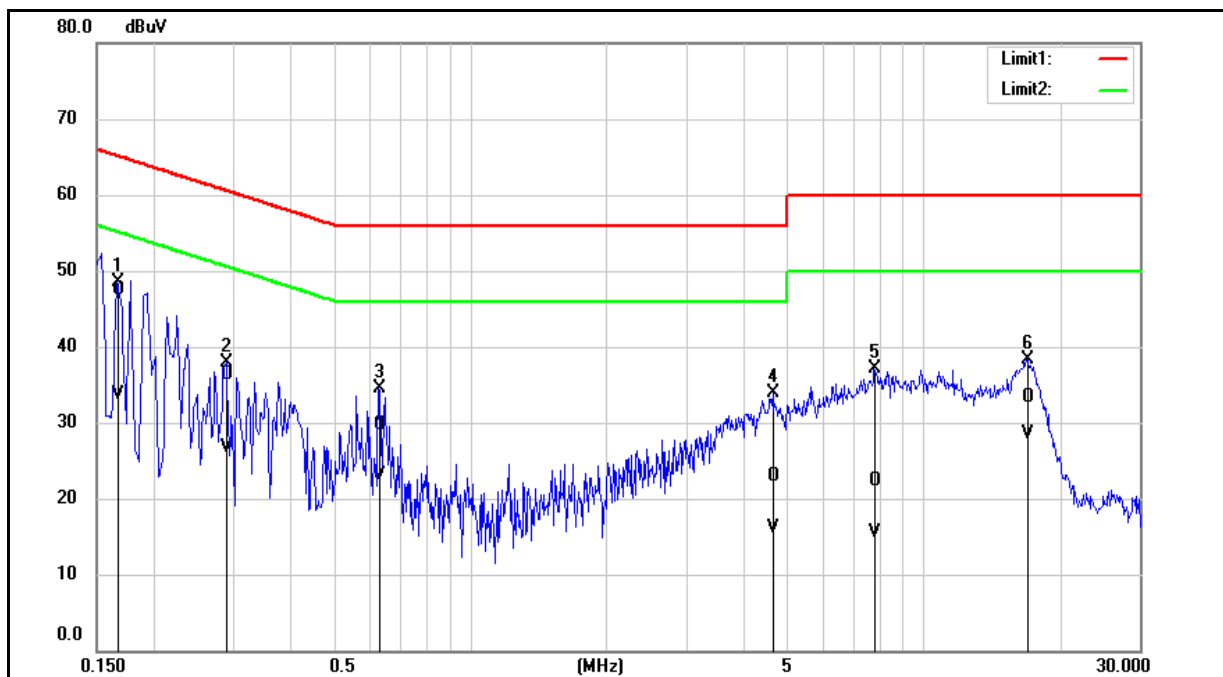
Beamforming on

| Test mode                                                                                             | Band     | Transmission Type | Antenna     |             |             |             | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) | Power Limit Reduction (dB) | PSD Limit Reduction (dB) |
|-------------------------------------------------------------------------------------------------------|----------|-------------------|-------------|-------------|-------------|-------------|----------------------------------|--------------------------------|----------------------------|--------------------------|
|                                                                                                       |          |                   | Ant-0 (dBi) | Ant-1 (dBi) | Ant-2 (dBi) | Ant-3 (dBi) |                                  |                                |                            |                          |
| 802.11n HT20<br>802.11n HT40<br>802.11ac VHT20<br>802.11ac VHT40<br>802.11ac VHT80<br>802.11ac VHT160 | Band 1   | MIMO              | -           | -           | -           | -           | 4.09                             | 4.09                           | -                          | -                        |
| 802.11ax HE20<br>802.11ax HE40<br>802.11ax HE80<br>802.11ax HE160                                     | Band 2-A |                   | -           | -           | -           | -           | 4.09                             | 4.09                           | -                          | -                        |
| 802.11be EHT20<br>802.11be EHT40<br>802.11be EHT80<br>802.11be EHT160<br>802.11be EHT240              | Band 2-C |                   | -           | -           | -           | -           | 3.07                             | 3.07                           | -                          | -                        |
|                                                                                                       | Band 3   |                   | -           | -           | -           | -           | 2.97                             | 2.97                           | -                          | -                        |

## 5 Test Results

### 5.1. Conducted Emission

|              |                    |        |                |
|--------------|--------------------|--------|----------------|
| Standard:    | FCC Part 15.407    | Line:  | L1             |
| Test item:   | Conducted Emission | Power: | AC 120 V/60 Hz |
| Test Mode:   | Transmit mode      |        |                |
| Description: |                    |        |                |

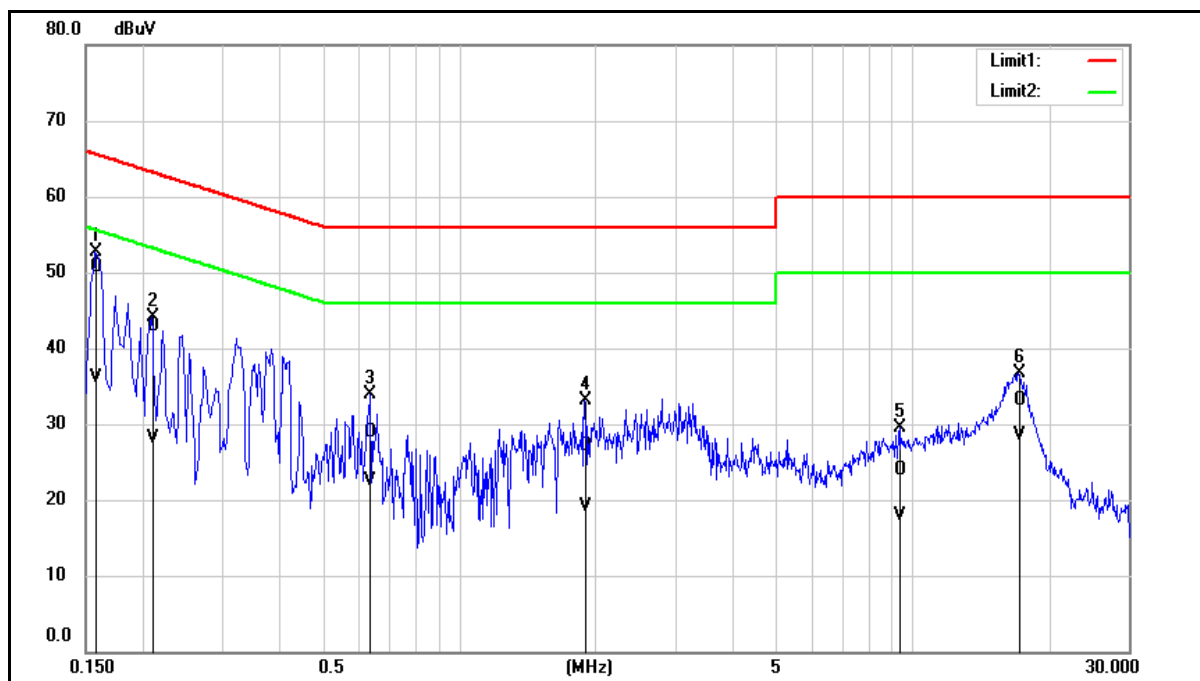


| No. | Frequency<br>(MHz) | QP<br>reading<br>(dBuV) | AVG<br>reading<br>(dBuV) | Correction<br>factor<br>(dB) | QP<br>result<br>(dBuV) | AVG<br>result<br>(dBuV) | QP<br>limit<br>(dBuV) | AVG<br>limit<br>(dBuV) | QP<br>margin<br>(dB) | AVG<br>margin<br>(dB) | Remark |
|-----|--------------------|-------------------------|--------------------------|------------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|--------|
| 1   | 0.1660             | 38.02                   | 24.24                    | 9.53                         | 47.55                  | 33.77                   | 65.16                 | 55.16                  | -17.61               | -21.39                | Pass   |
| 2   | 0.2900             | 26.73                   | 17.23                    | 9.55                         | 36.28                  | 26.78                   | 60.52                 | 50.52                  | -24.24               | -23.74                | Pass   |
| 3   | 0.6300             | 20.16                   | 13.59                    | 9.58                         | 29.74                  | 23.17                   | 56.00                 | 46.00                  | -26.26               | -22.83                | Pass   |
| 4   | 4.6660             | 13.28                   | 6.51                     | 9.67                         | 22.95                  | 16.18                   | 56.00                 | 46.00                  | -33.05               | -29.82                | Pass   |
| 5   | 7.7980             | 12.61                   | 5.79                     | 9.77                         | 22.38                  | 15.56                   | 60.00                 | 50.00                  | -37.62               | -34.44                | Pass   |
| 6   | 16.9180            | 23.07                   | 18.27                    | 10.19                        | 33.26                  | 28.46                   | 60.00                 | 50.00                  | -26.74               | -21.54                | Pass   |

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

|              |                    |        |                |
|--------------|--------------------|--------|----------------|
| Standard:    | FCC Part 15.407    | Line:  | N              |
| Test item:   | Conducted Emission | Power: | AC 120 V/60 Hz |
| Test Mode:   | Transmit mode      |        |                |
| Description: |                    |        |                |



| No. | Frequency<br>(MHz) | QP<br>reading<br>(dBuV) | AVG<br>reading<br>(dBuV) | Correction<br>factor<br>(dB) | QP<br>result<br>(dBuV) | AVG<br>result<br>(dBuV) | QP<br>limit<br>(dBuV) | AVG<br>limit<br>(dBuV) | QP<br>margin<br>(dB) | AVG<br>margin<br>(dB) | Remark |
|-----|--------------------|-------------------------|--------------------------|------------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|--------|
| 1   | 0.1580             | 41.07                   | 26.59                    | 9.55                         | 50.62                  | 36.14                   | 65.57                 | 55.57                  | -14.95               | -19.43                | Pass   |
| 2   | 0.2100             | 33.41                   | 18.56                    | 9.59                         | 43.00                  | 28.15                   | 63.21                 | 53.21                  | -20.21               | -25.06                | Pass   |
| 3   | 0.6340             | 19.23                   | 12.92                    | 9.61                         | 28.84                  | 22.53                   | 56.00                 | 46.00                  | -27.16               | -23.47                | Pass   |
| 4   | 1.8900             | 17.46                   | 9.54                     | 9.63                         | 27.09                  | 19.17                   | 56.00                 | 46.00                  | -28.91               | -26.83                | Pass   |
| 5   | 9.3820             | 13.99                   | 8.07                     | 9.91                         | 23.90                  | 17.98                   | 60.00                 | 50.00                  | -36.10               | -32.02                | Pass   |
| 6   | 17.1420            | 23.13                   | 18.40                    | 10.06                        | 33.19                  | 28.46                   | 60.00                 | 50.00                  | -26.81               | -21.54                | Pass   |

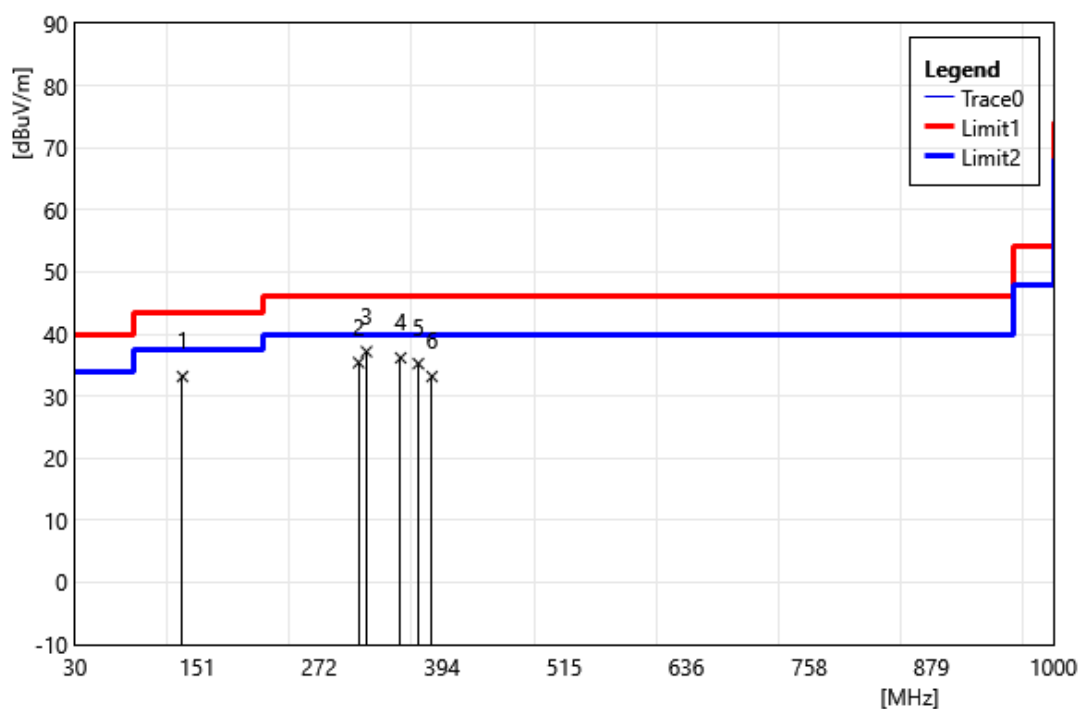
Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

## 5.2. Radiated Emission Measurement

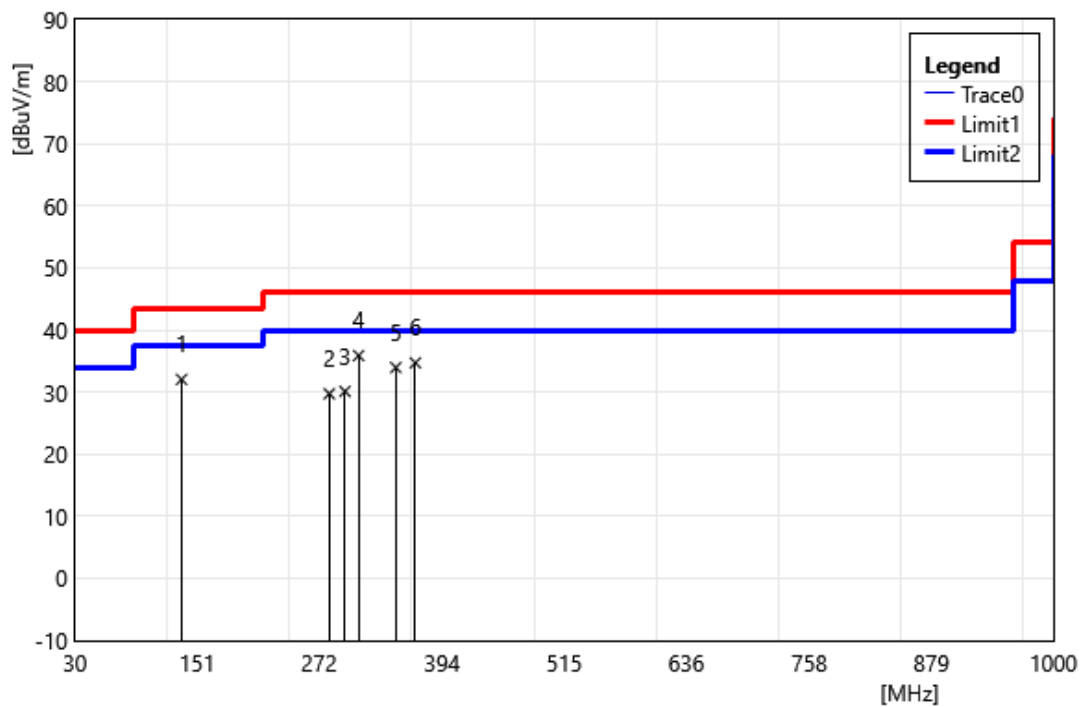
Below 1 GHz

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11be EHT20 5320 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 136.70           | 40.75           | -7.59                     | 33.16            | 43.50           | -10.35       | QP     |
| 2  | 311.30           | 40.79           | -5.39                     | 35.40            | 46.00           | -10.60       | QP     |
| 3  | 319.06           | 42.35           | -5.18                     | 37.17            | 46.00           | -8.83        | QP     |
| 4  | 353.01           | 40.58           | -4.41                     | 36.17            | 46.00           | -9.83        | QP     |
| 5  | 370.47           | 39.19           | -3.96                     | 35.23            | 46.00           | -10.77       | QP     |
| 6  | 384.05           | 36.75           | -3.60                     | 33.15            | 46.00           | -12.85       | QP     |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11be EHT20 5320 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |

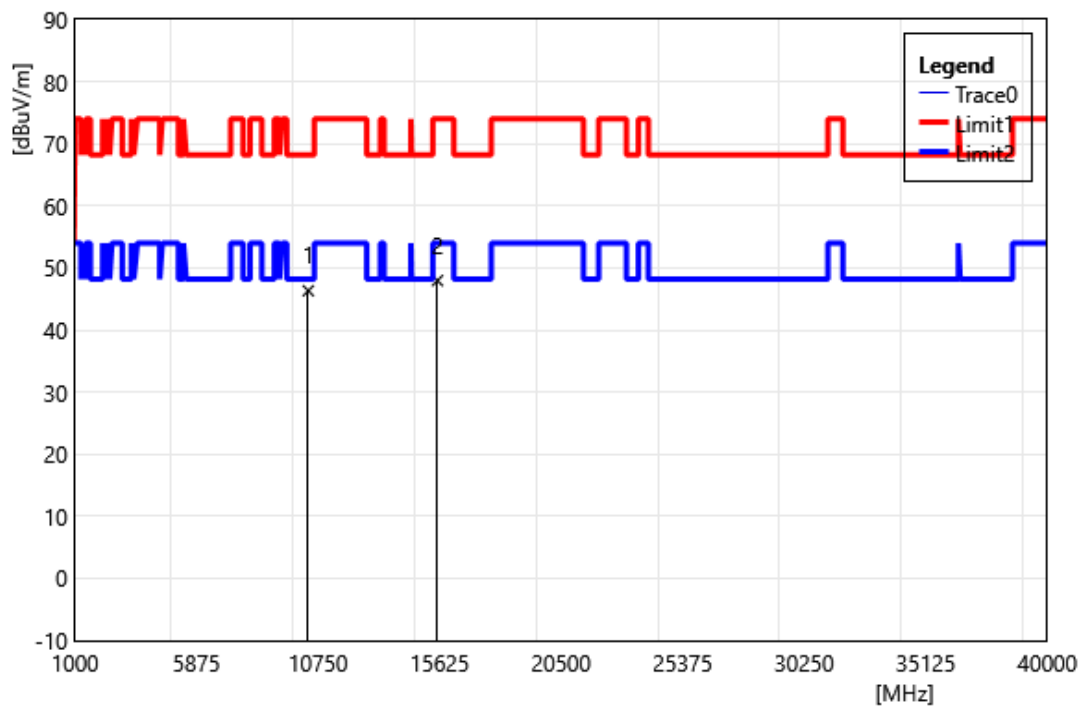


| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 135.73           | 39.75           | -7.70                     | 32.05            | 43.50           | -11.45       | QP     |
| 2  | 282.20           | 35.25           | -5.51                     | 29.74            | 46.00           | -16.26       | QP     |
| 3  | 297.72           | 35.27           | -5.14                     | 30.13            | 46.00           | -15.87       | QP     |
| 4  | 311.30           | 41.28           | -5.39                     | 35.89            | 46.00           | -10.12       | QP     |
| 5  | 348.16           | 38.35           | -4.38                     | 33.97            | 46.00           | -12.03       | QP     |
| 6  | 367.56           | 38.75           | -4.03                     | 34.72            | 46.00           | -11.28       | QP     |

Harmonic

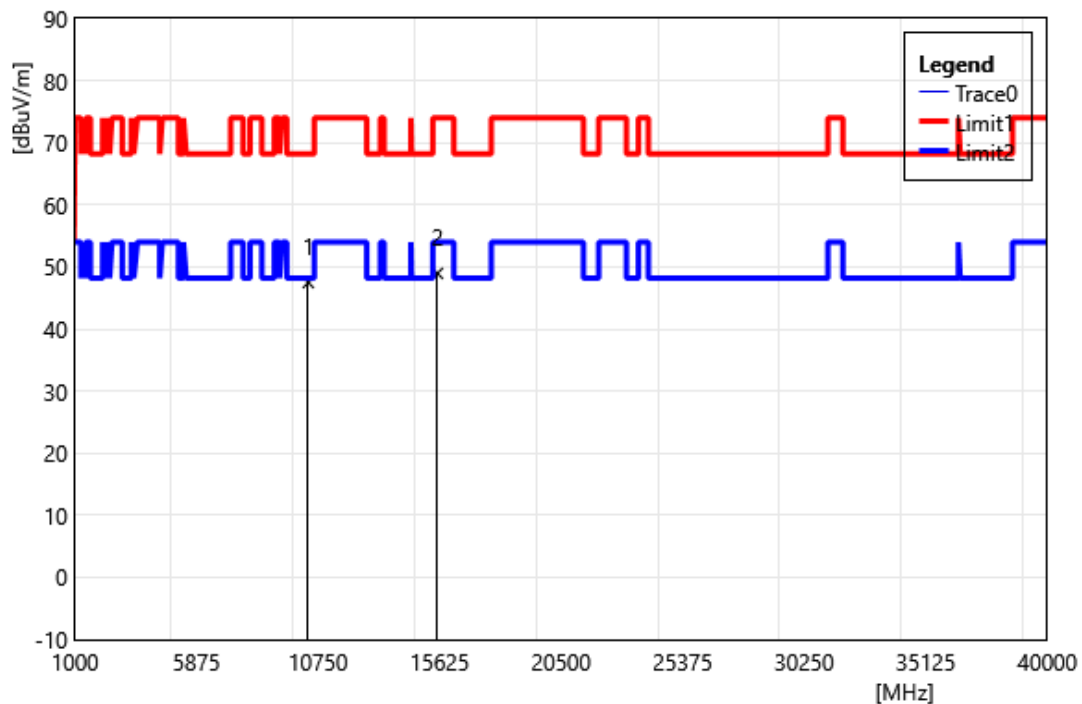
Above 1 GHz

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5180 MHz |           |          |
| Polarization: | Vertical         |           |          |
| Remark:       |                  |           |          |



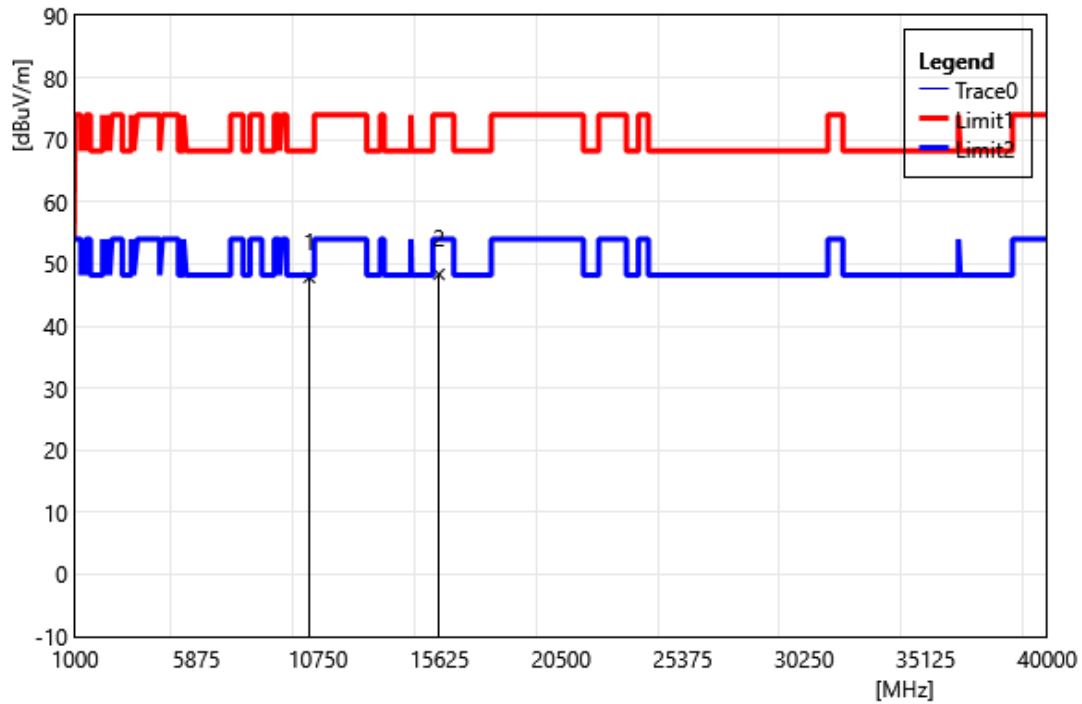
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10360.00         | 35.16           | 11.17                     | 46.33            | 68.20           | -21.87       | PEAK   |
| 2  | 15540.00         | 33.88           | 14.09                     | 47.97            | 74.00           | -26.03       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5180 MHz |           |          |
| Polarization: | Horizontal       |           |          |
| Remark:       |                  |           |          |



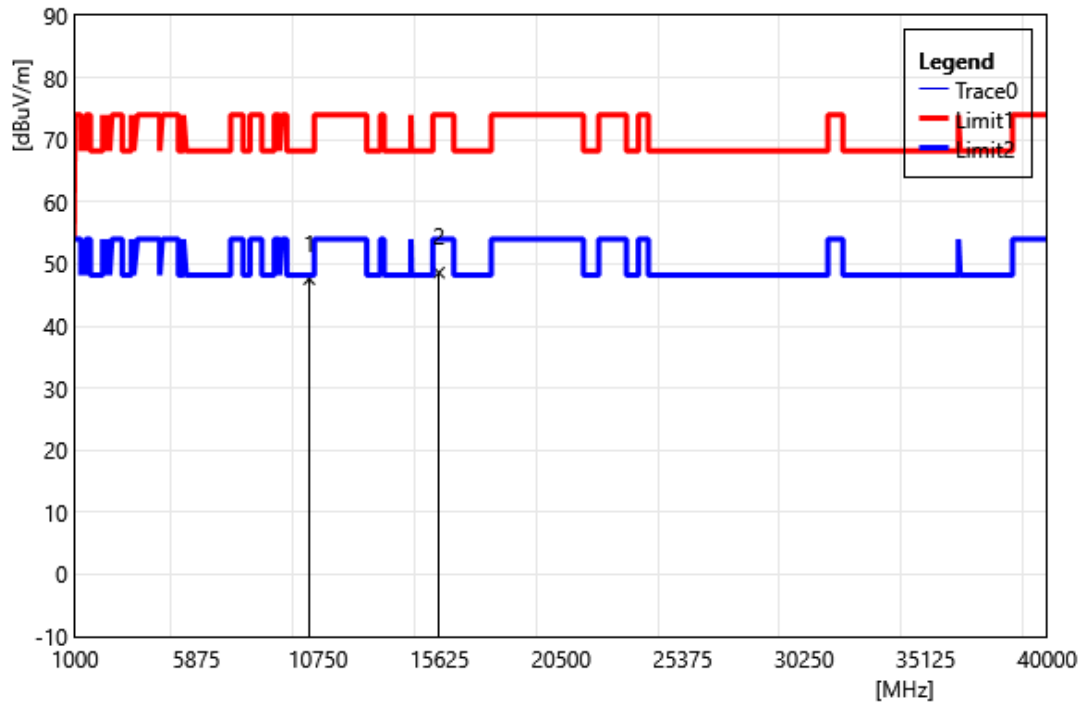
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10360.00         | 36.31           | 11.17                     | 47.48            | 68.20           | -20.72       | PEAK   |
| 2  | 15540.00         | 34.88           | 14.09                     | 48.97            | 74.00           | -25.03       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5200 MHz |           |          |
| Polarization: | Vertical         |           |          |
| Remark:       |                  |           |          |



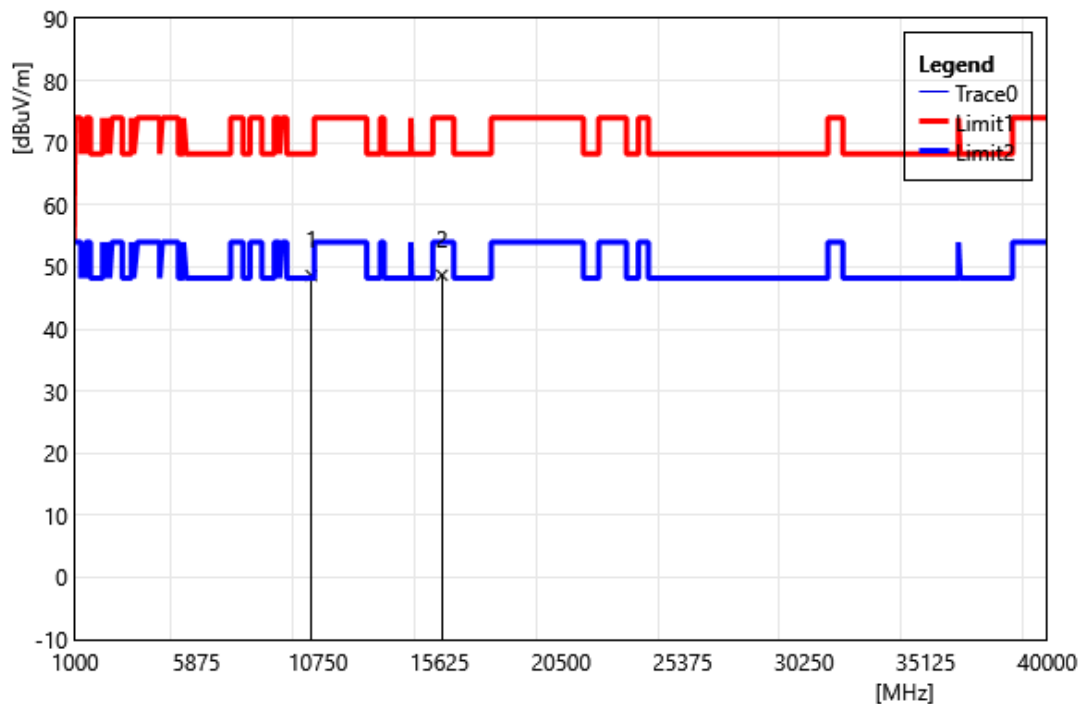
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10400.00         | 36.47           | 11.38                     | 47.85            | 68.20           | -20.35       | PEAK   |
| 2  | 15600.00         | 34.37           | 13.96                     | 48.33            | 74.00           | -25.67       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5200 MHz |           |          |
| Polarization: | Horizontal       |           |          |
| Remark:       |                  |           |          |



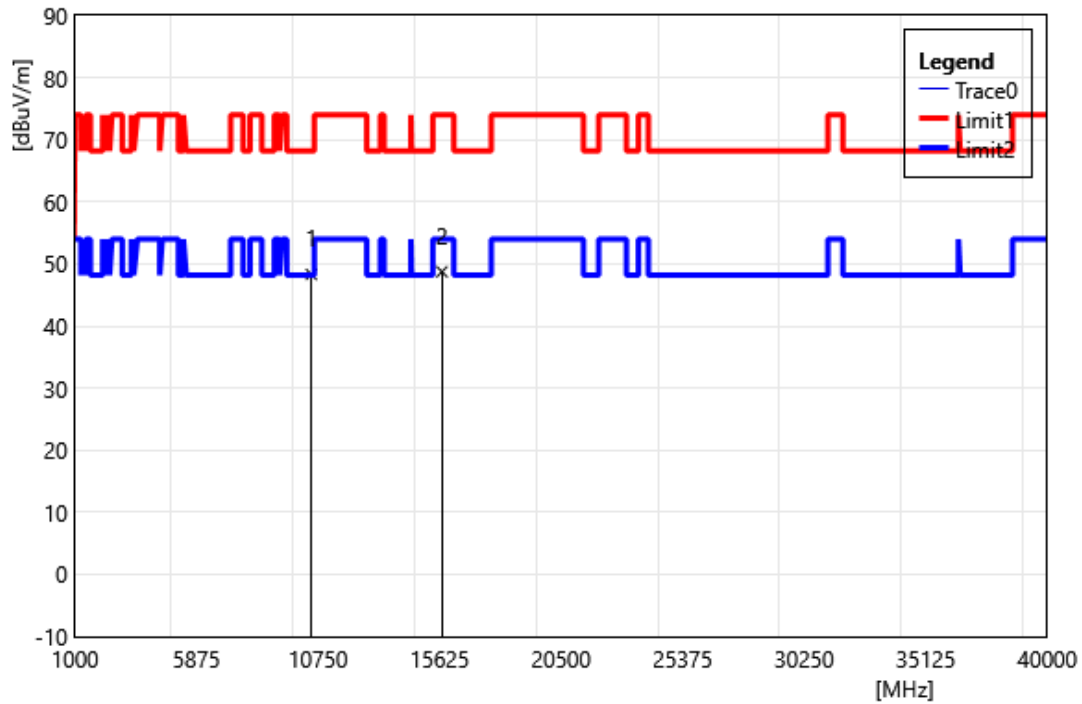
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10400.00         | 36.18           | 11.38                     | 47.56            | 68.20           | -20.64       | PEAK   |
| 2  | 15600.00         | 34.64           | 13.96                     | 48.60            | 74.00           | -25.40       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5240 MHz |           |          |
| Polarization: | Vertical         |           |          |
| Remark:       |                  |           |          |



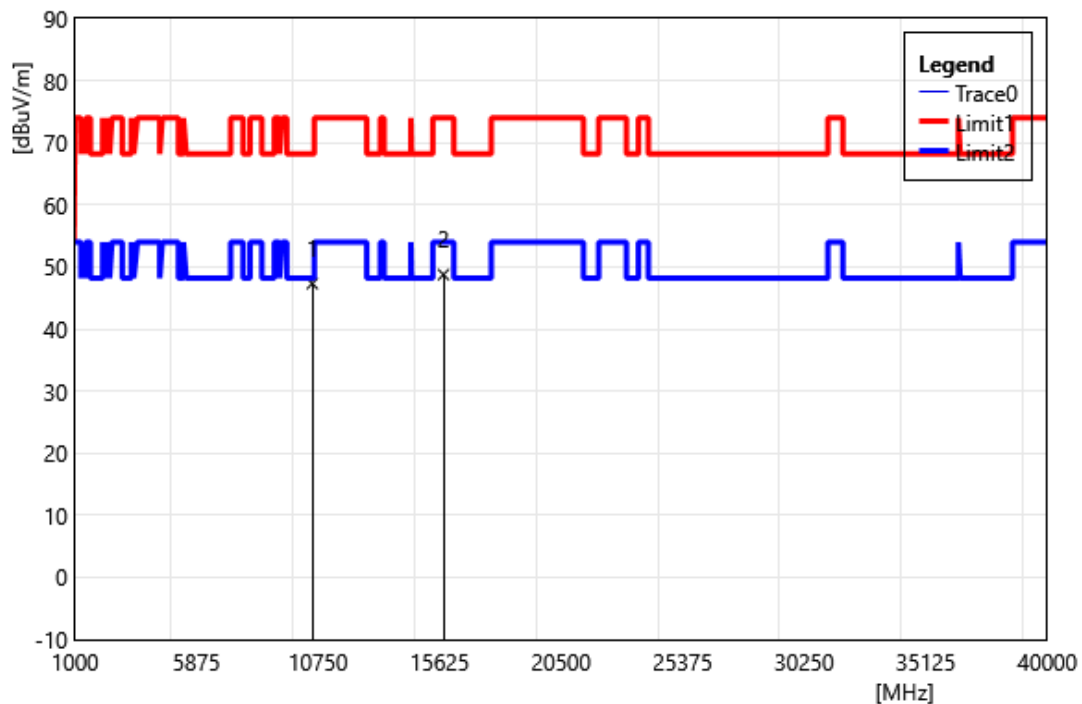
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10480.00         | 37.05           | 11.56                     | 48.61            | 68.20           | -19.59       | PEAK   |
| 2  | 15720.00         | 34.86           | 13.82                     | 48.68            | 74.00           | -25.32       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5240 MHz |           |          |
| Polarization: | Horizontal       |           |          |
| Remark:       |                  |           |          |



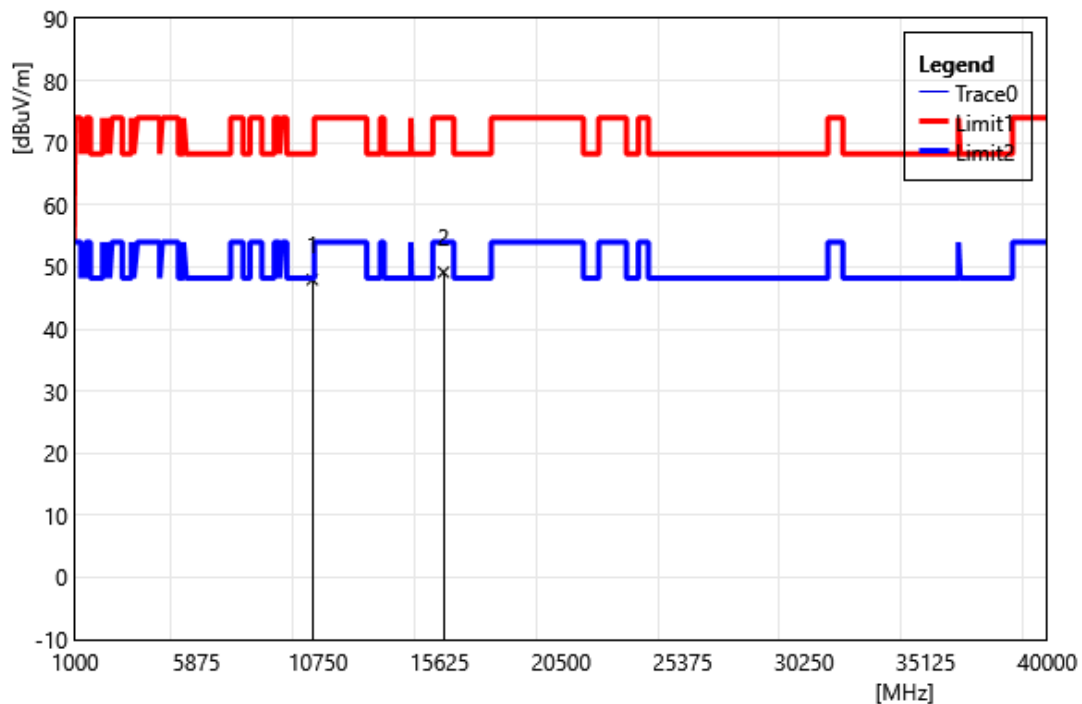
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10480.00         | 36.76           | 11.56                     | 48.32            | 68.20           | -19.88       | PEAK   |
| 2  | 15720.00         | 34.93           | 13.82                     | 48.75            | 74.00           | -25.25       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5260 MHz |           |          |
| Polarization: | Vertical         |           |          |
| Remark:       |                  |           |          |



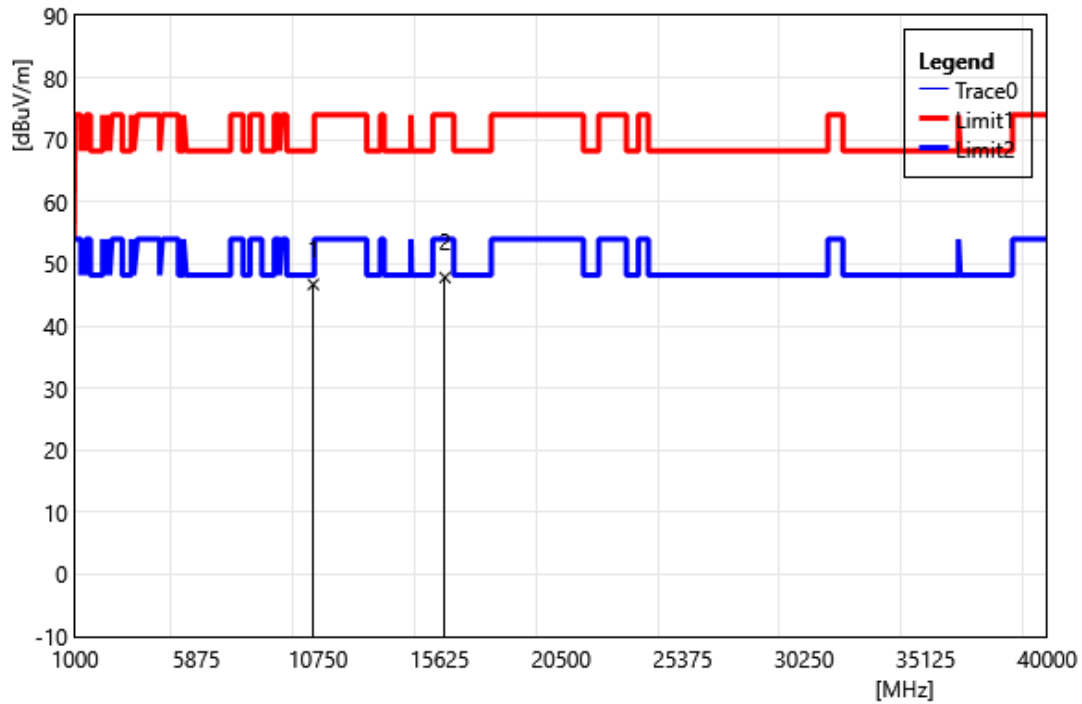
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10520.00         | 35.73           | 11.59                     | 47.32            | 68.20           | -20.88       | PEAK   |
| 2  | 15780.00         | 35.02           | 13.75                     | 48.77            | 74.00           | -25.23       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5260 MHz |           |          |
| Polarization: | Horizontal       |           |          |
| Remark:       |                  |           |          |



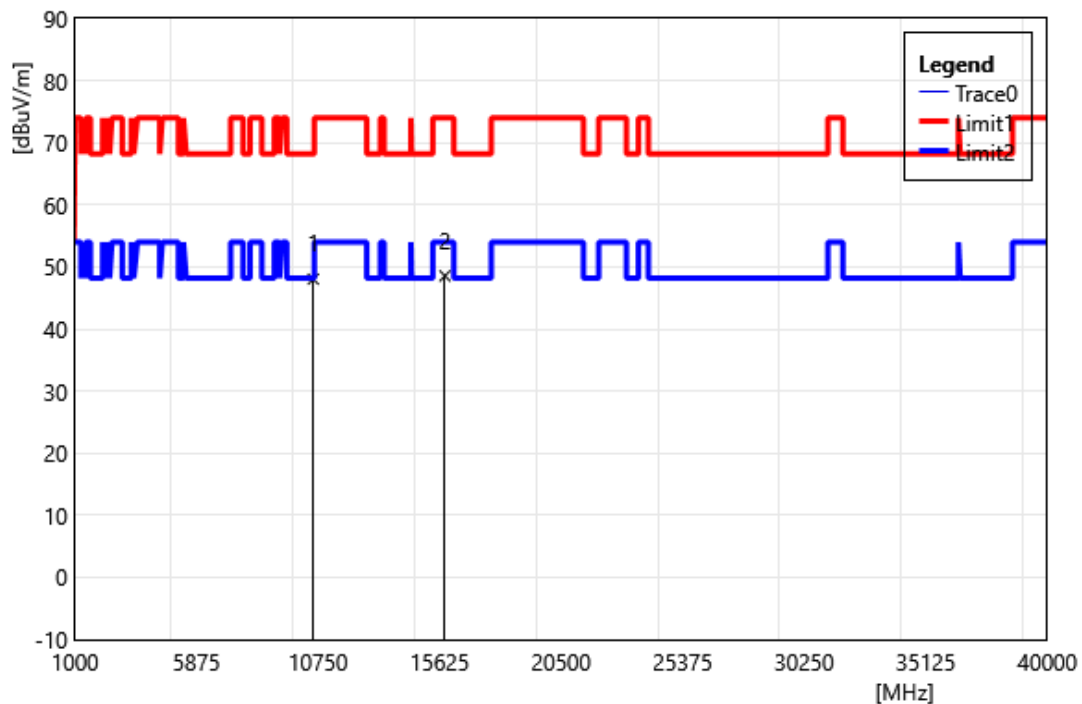
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10520.00         | 36.36           | 11.59                     | 47.95            | 68.20           | -20.25       | PEAK   |
| 2  | 15780.00         | 35.41           | 13.75                     | 49.16            | 74.00           | -24.84       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5280 MHz |           |          |
| Polarization: | Vertical         |           |          |
| Remark:       |                  |           |          |



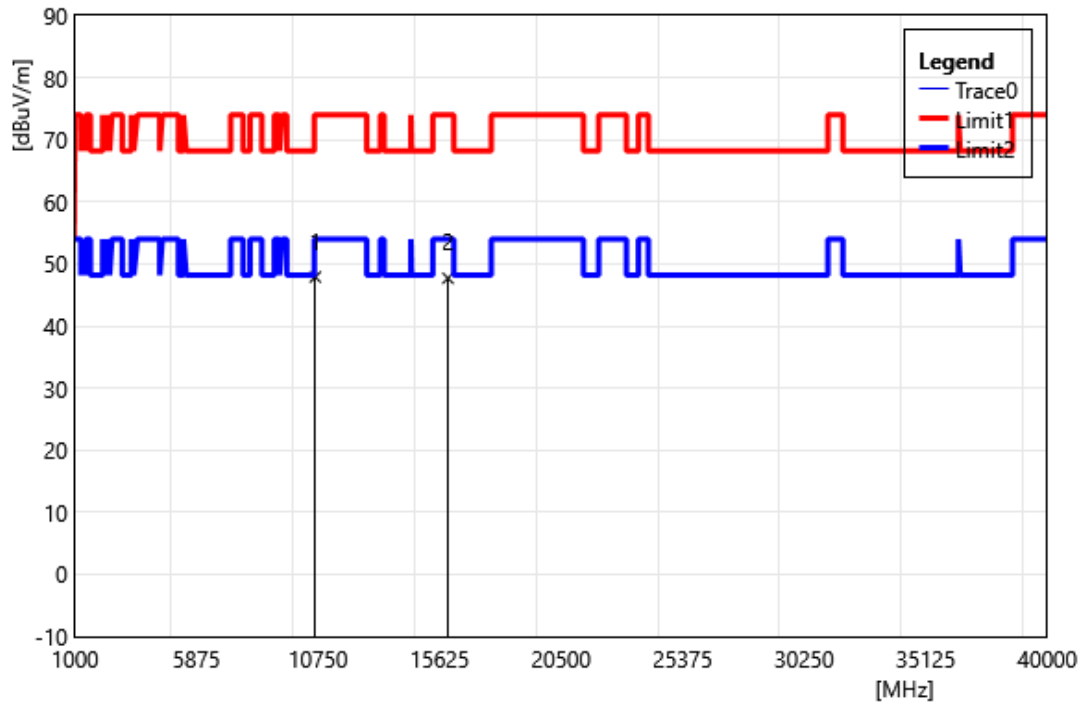
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10560.00         | 35.14           | 11.56                     | 46.70            | 68.20           | -21.50       | PEAK   |
| 2  | 15840.00         | 34.22           | 13.60                     | 47.82            | 74.00           | -26.18       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5280 MHz |           |          |
| Polarization: | Horizontal       |           |          |
| Remark:       |                  |           |          |



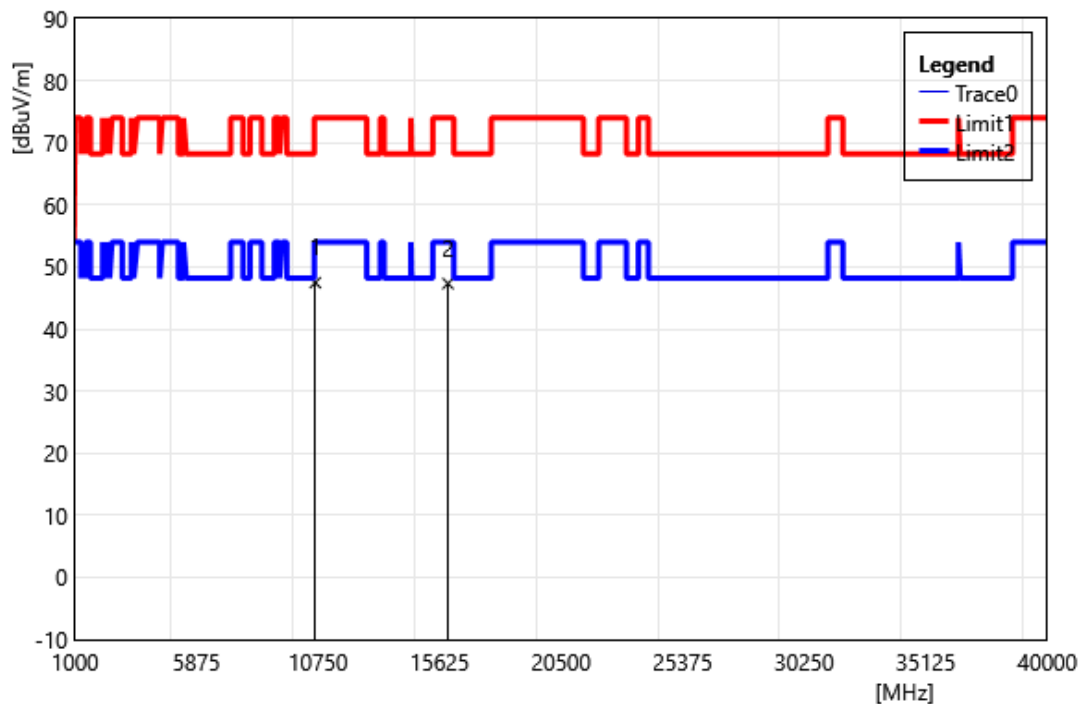
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10560.00         | 36.49           | 11.56                     | 48.05            | 68.20           | -20.15       | PEAK   |
| 2  | 15840.00         | 34.95           | 13.60                     | 48.55            | 74.00           | -25.45       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5320 MHz |           |          |
| Polarization: | Vertical         |           |          |
| Remark:       |                  |           |          |



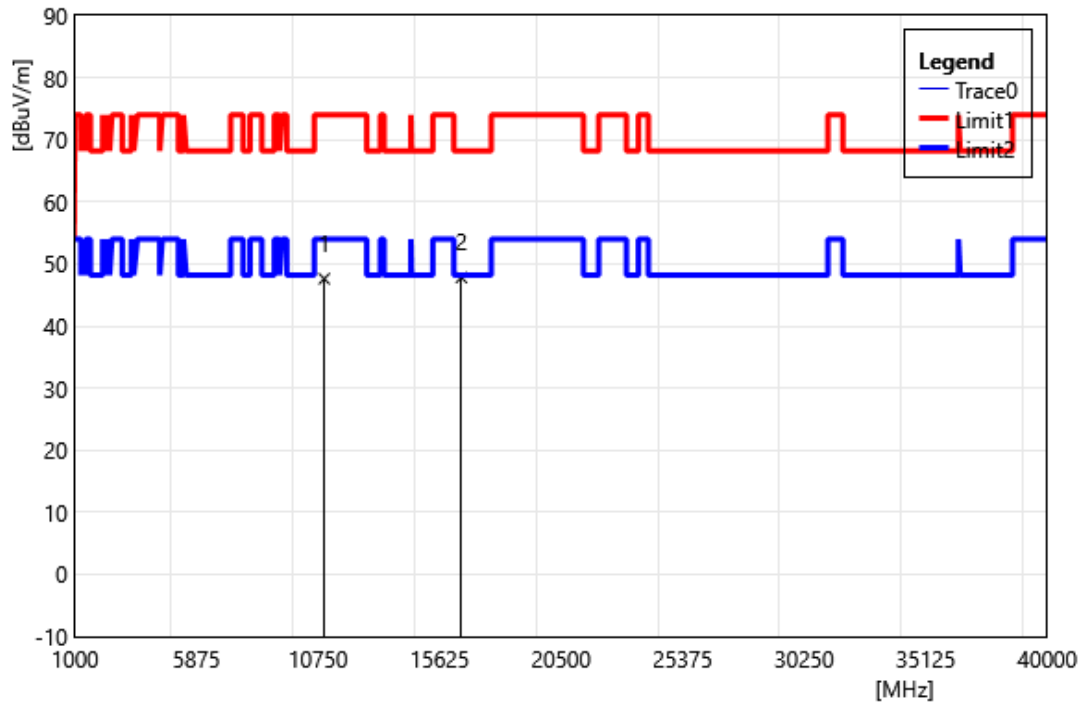
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10640.00         | 36.35           | 11.55                     | 47.90            | 74.00           | -26.10       | PEAK   |
| 2  | 15960.00         | 34.48           | 13.22                     | 47.70            | 74.00           | -26.30       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5320 MHz |           |          |
| Polarization: | Horizontal       |           |          |
| Remark:       |                  |           |          |



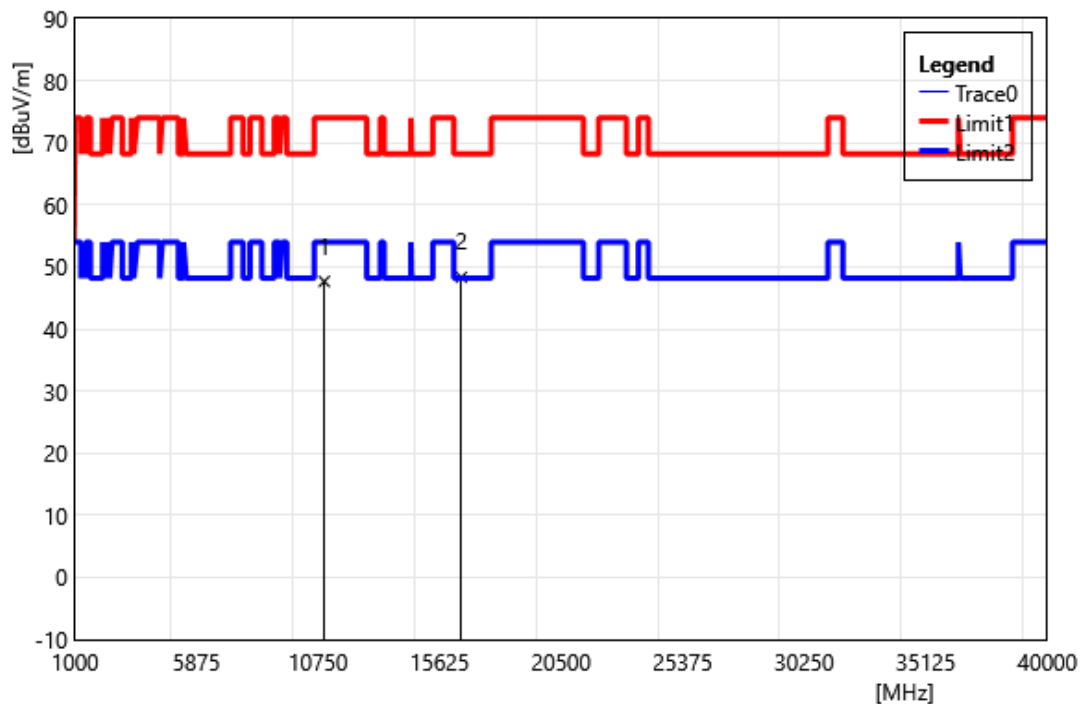
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10640.00         | 35.92           | 11.55                     | 47.47            | 74.00           | -26.53       | PEAK   |
| 2  | 15960.00         | 34.10           | 13.22                     | 47.32            | 74.00           | -26.68       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5500 MHz |           |          |
| Polarization: | Vertical         |           |          |
| Remark:       |                  |           |          |



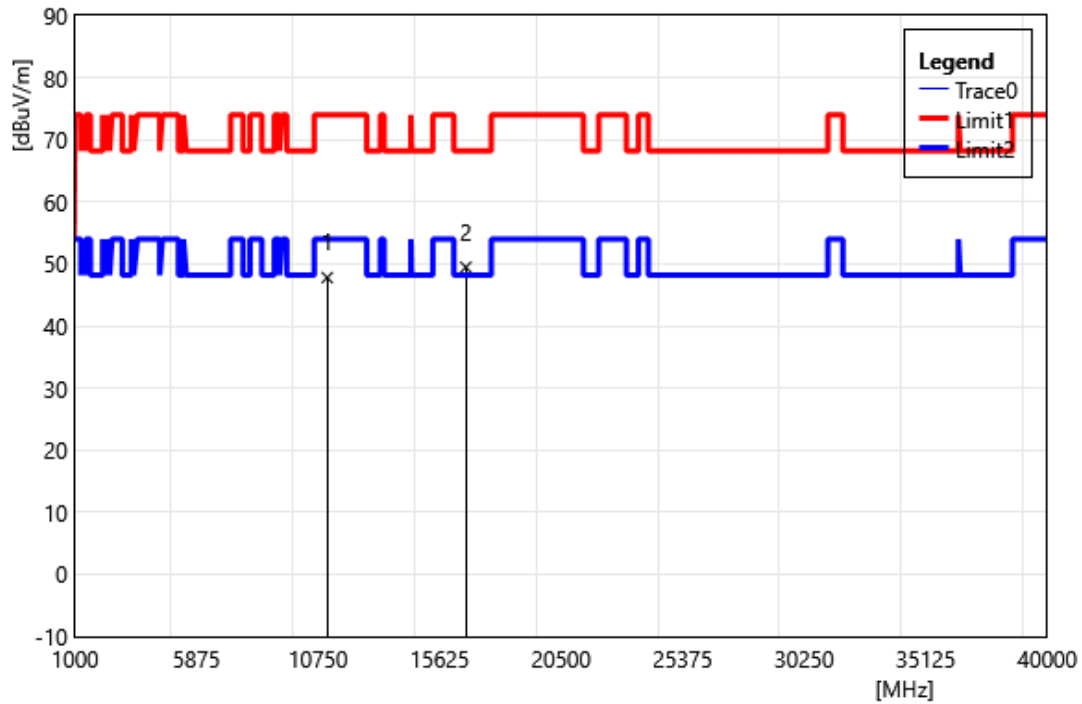
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11000.00         | 35.83           | 11.79                     | 47.62            | 74.00           | -26.38       | PEAK   |
| 2  | 16500.00         | 33.51           | 14.31                     | 47.82            | 68.20           | -20.38       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5500 MHz |           |          |
| Polarization: | Horizontal       |           |          |
| Remark:       |                  |           |          |



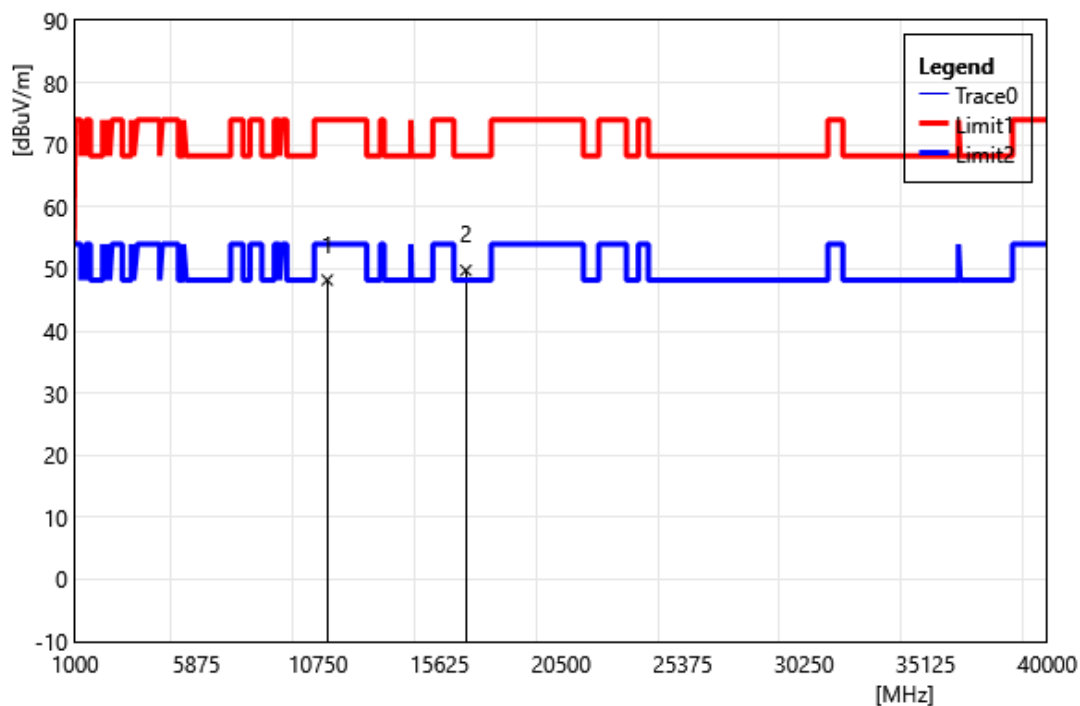
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11000.00         | 35.88           | 11.79                     | 47.67            | 74.00           | -26.33       | PEAK   |
| 2  | 16500.00         | 34.03           | 14.31                     | 48.34            | 68.20           | -19.86       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5560 MHz |           |          |
| Polarization: | Vertical         |           |          |
| Remark:       |                  |           |          |



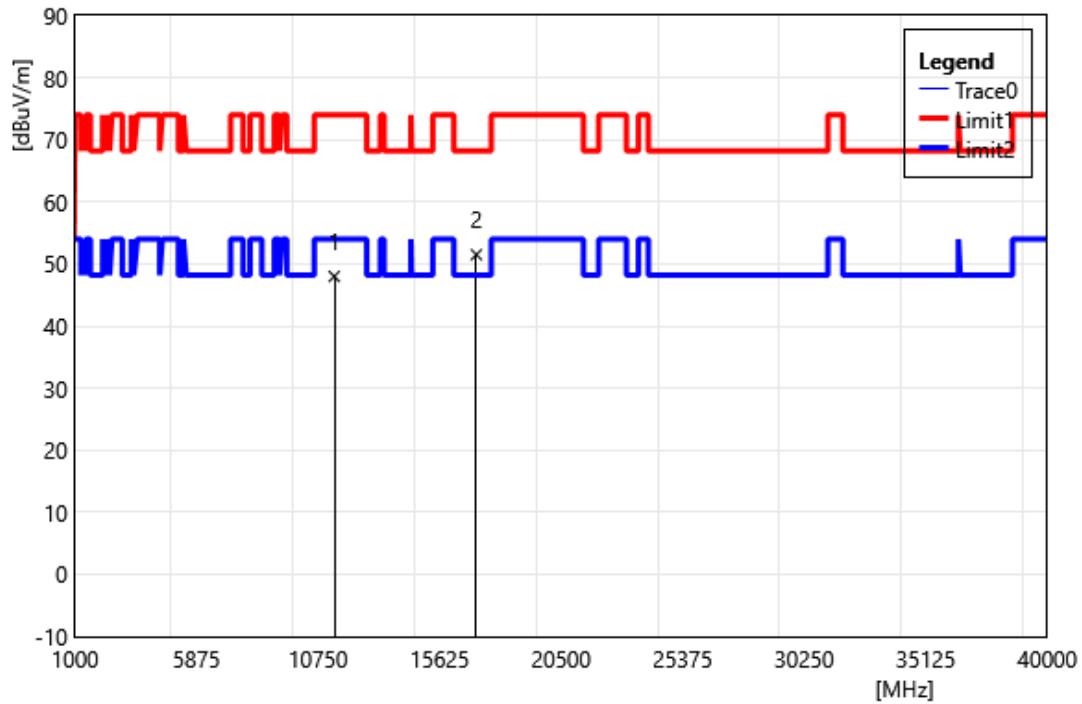
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11120.00         | 35.78           | 12.03                     | 47.81            | 74.00           | -26.19       | PEAK   |
| 2  | 16680.00         | 34.27           | 15.21                     | 49.48            | 68.20           | -18.72       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5560 MHz |           |          |
| Polarization: | Horizontal       |           |          |
| Remark:       |                  |           |          |



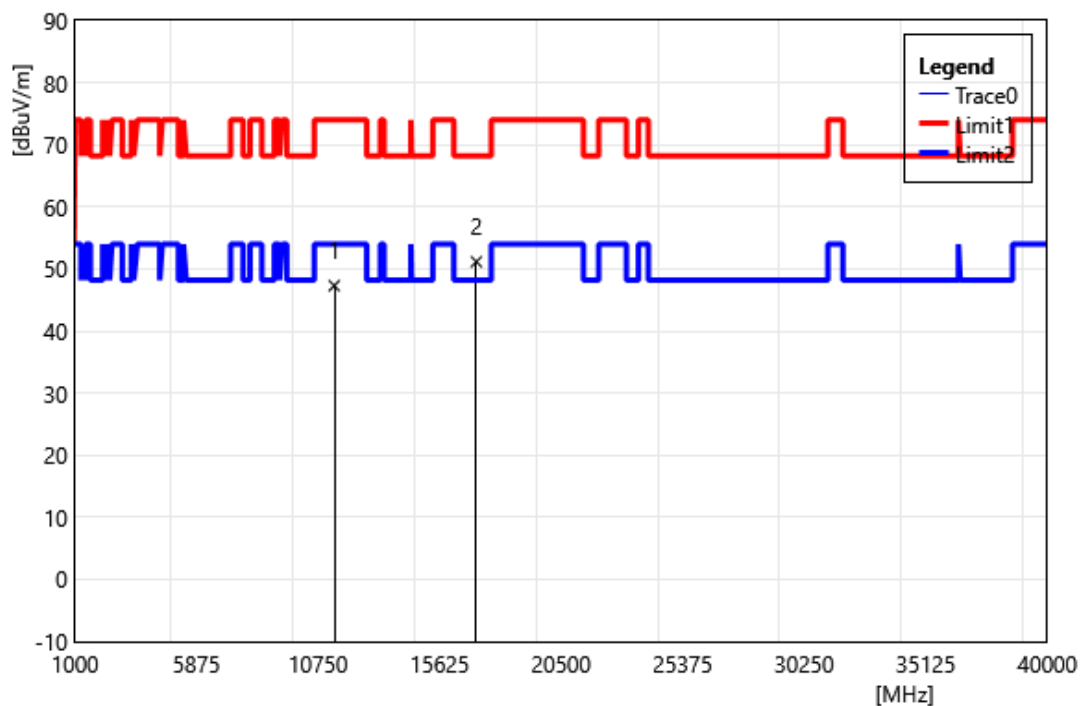
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11120.00         | 36.19           | 12.03                     | 48.22            | 74.00           | -25.78       | PEAK   |
| 2  | 16680.00         | 34.57           | 15.21                     | 49.78            | 68.20           | -18.42       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5700 MHz |           |          |
| Polarization: | Vertical         |           |          |
| Remark:       |                  |           |          |



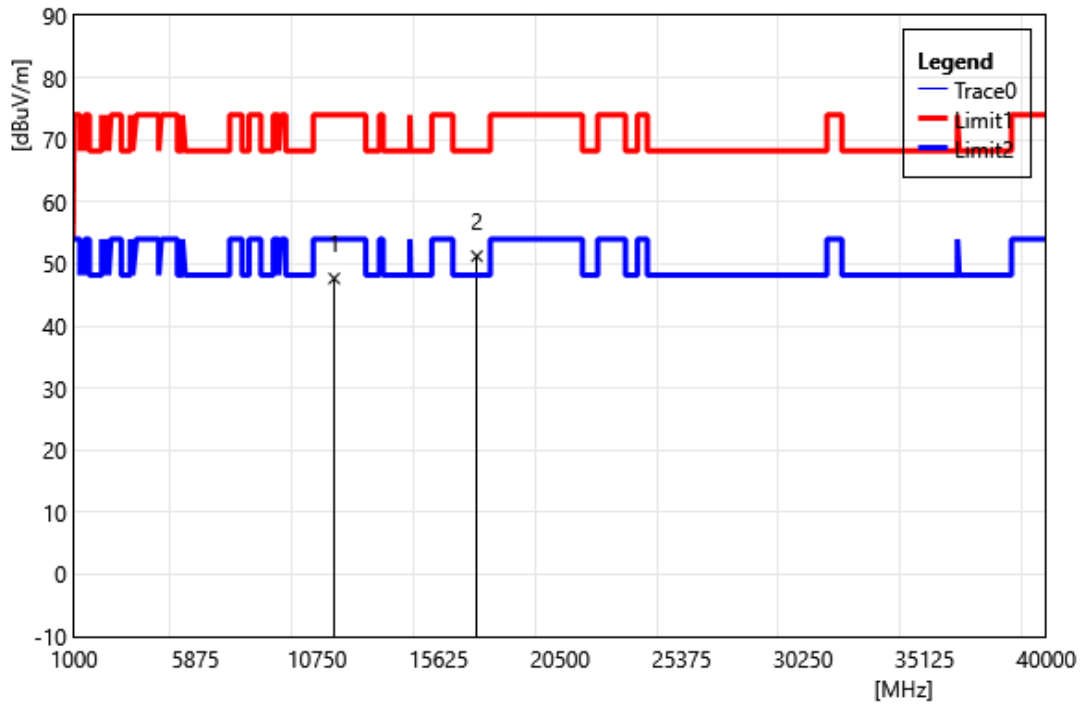
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11400.00         | 35.78           | 12.21                     | 47.99            | 74.00           | -26.01       | PEAK   |
| 2  | 17100.00         | 34.12           | 17.37                     | 51.49            | 68.20           | -16.71       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5700 MHz |           |          |
| Polarization: | Horizontal       |           |          |
| Remark:       |                  |           |          |



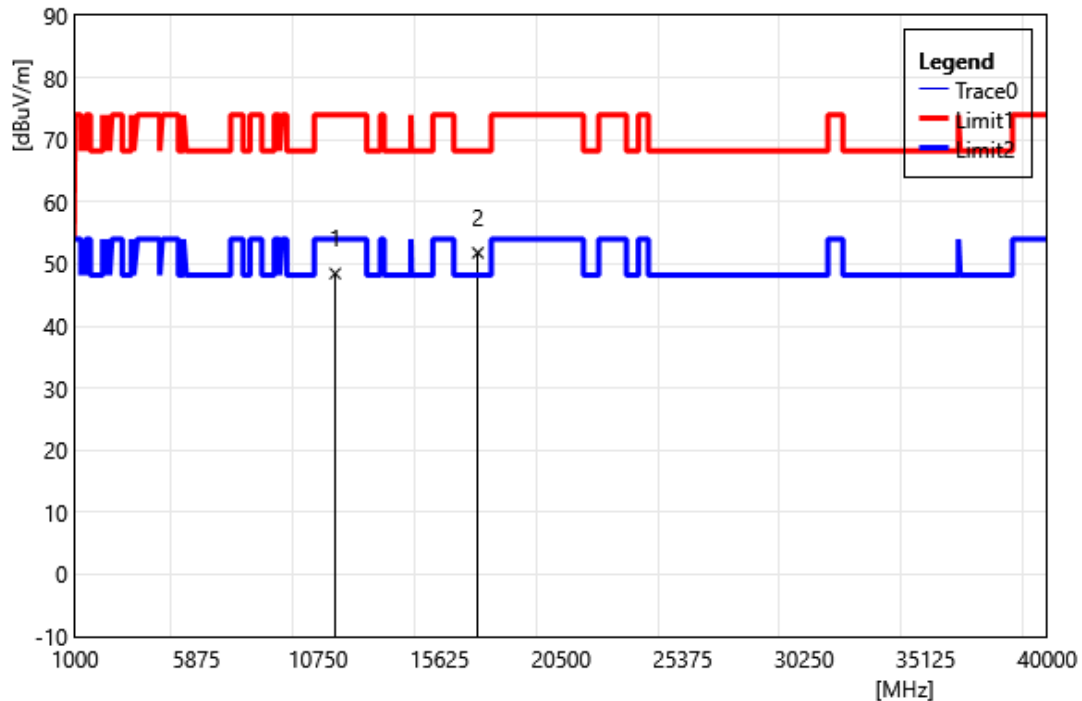
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11400.00         | 35.10           | 12.21                     | 47.31            | 74.00           | -26.69       | PEAK   |
| 2  | 17100.00         | 33.78           | 17.37                     | 51.16            | 68.20           | -17.04       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5720 MHz |           |          |
| Polarization: | Vertical         |           |          |
| Remark:       |                  |           |          |



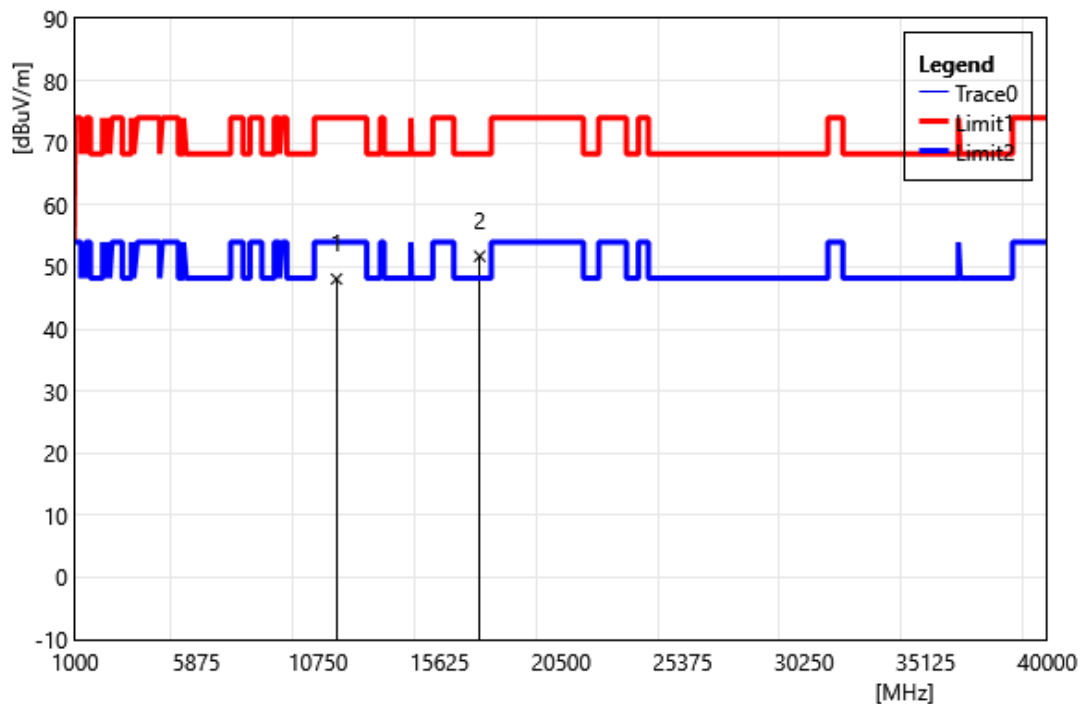
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11440.00         | 35.26           | 12.41                     | 47.67            | 74.00           | -26.33       | PEAK   |
| 2  | 17160.00         | 33.45           | 17.82                     | 51.27            | 68.20           | -16.93       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5720 MHz |           |          |
| Polarization: | Horizontal       |           |          |
| Remark:       |                  |           |          |



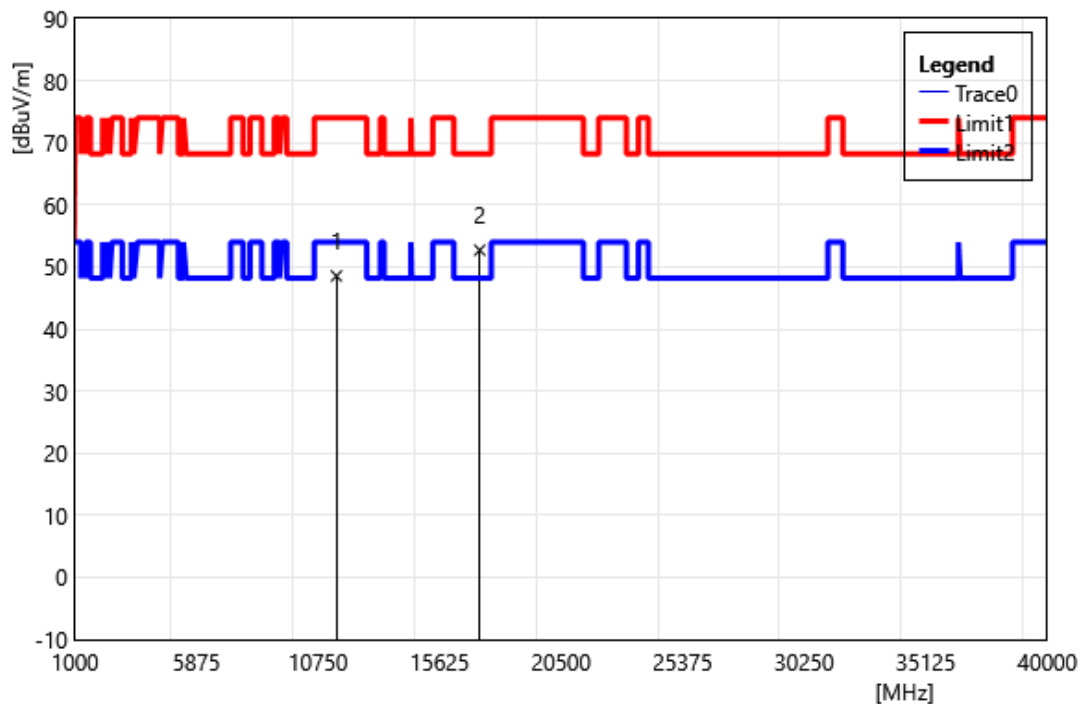
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11440.00         | 36.05           | 12.41                     | 48.46            | 74.00           | -25.54       | PEAK   |
| 2  | 17160.00         | 33.98           | 17.82                     | 51.80            | 68.20           | -16.40       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5745 MHz |           |          |
| Polarization: | Vertical         |           |          |
| Remark:       |                  |           |          |



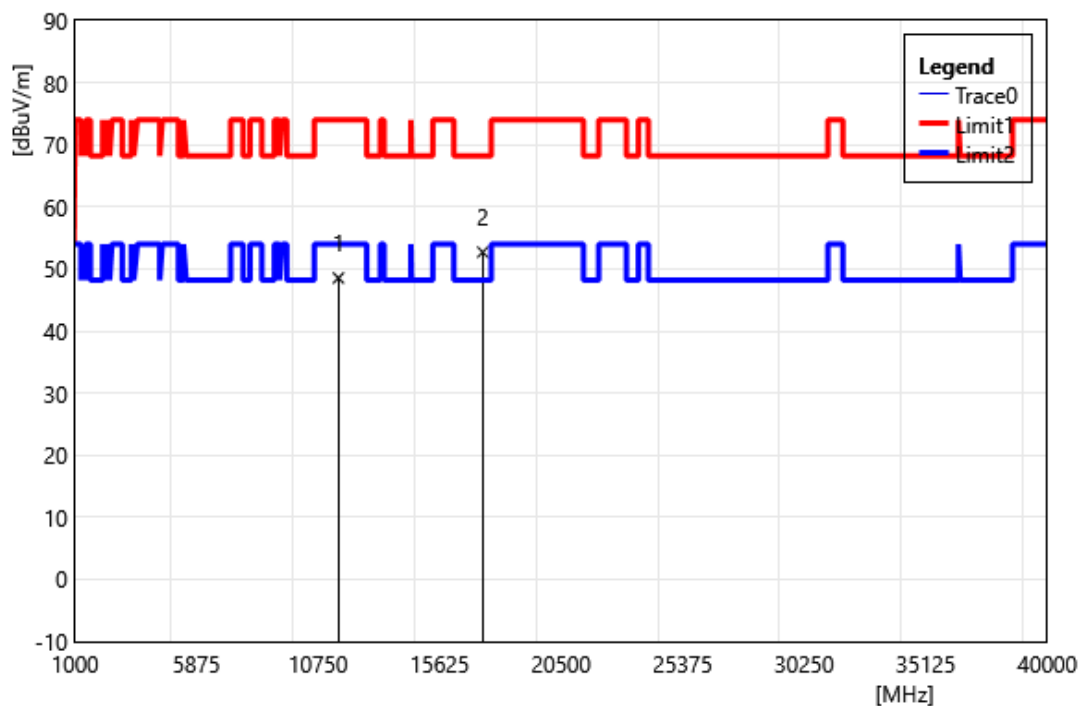
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11490.00         | 35.41           | 12.65                     | 48.06            | 74.00           | -25.94       | PEAK   |
| 2  | 17235.00         | 33.28           | 18.45                     | 51.73            | 68.20           | -16.47       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5745 MHz |           |          |
| Polarization: | Horizontal       |           |          |
| Remark:       |                  |           |          |



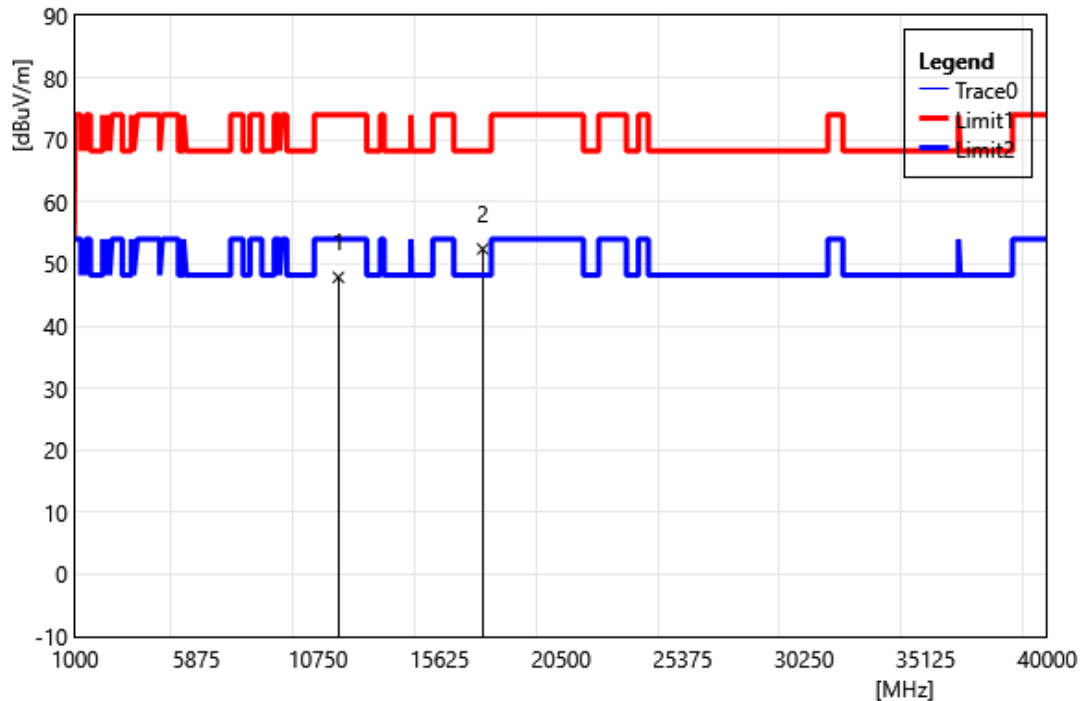
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11490.00         | 35.90           | 12.65                     | 48.55            | 74.00           | -25.45       | PEAK   |
| 2  | 17235.00         | 34.25           | 18.45                     | 52.70            | 68.20           | -15.50       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5785 MHz |           |          |
| Polarization: | Vertical         |           |          |
| Remark:       |                  |           |          |



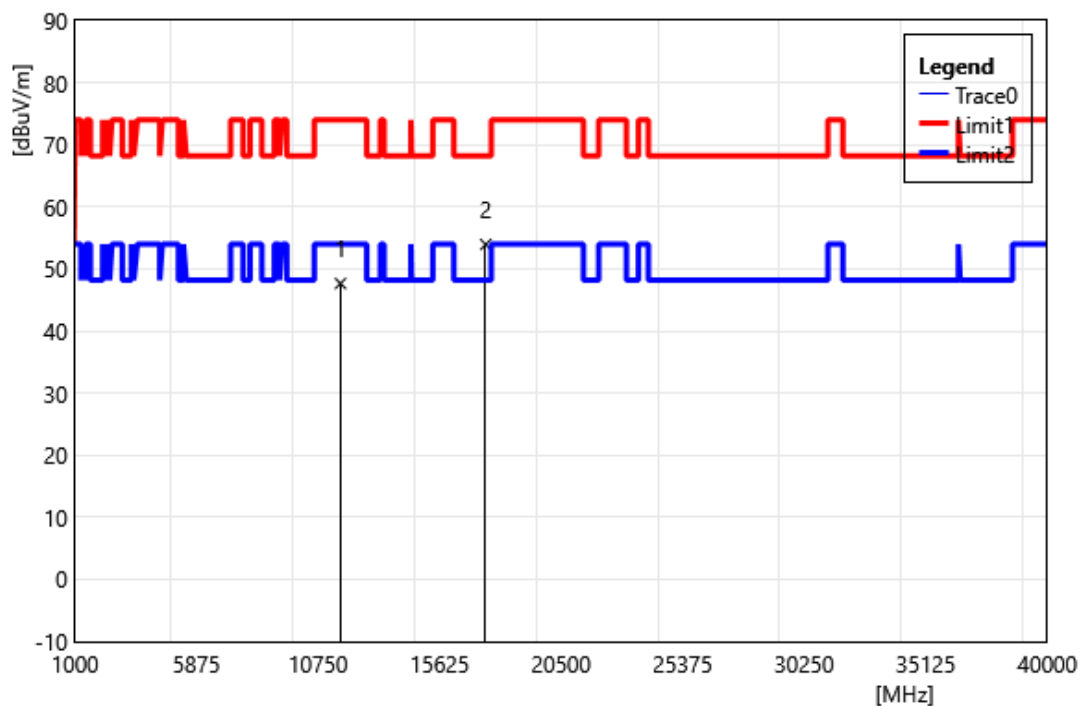
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|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11570.00         | 36.13           | 12.42                     | 48.55            | 74.00           | -25.45       | PEAK   |
| 2  | 17355.00         | 33.35           | 19.36                     | 52.71            | 68.20           | -15.49       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5785 MHz |           |          |
| Polarization: | Horizontal       |           |          |
| Remark:       |                  |           |          |



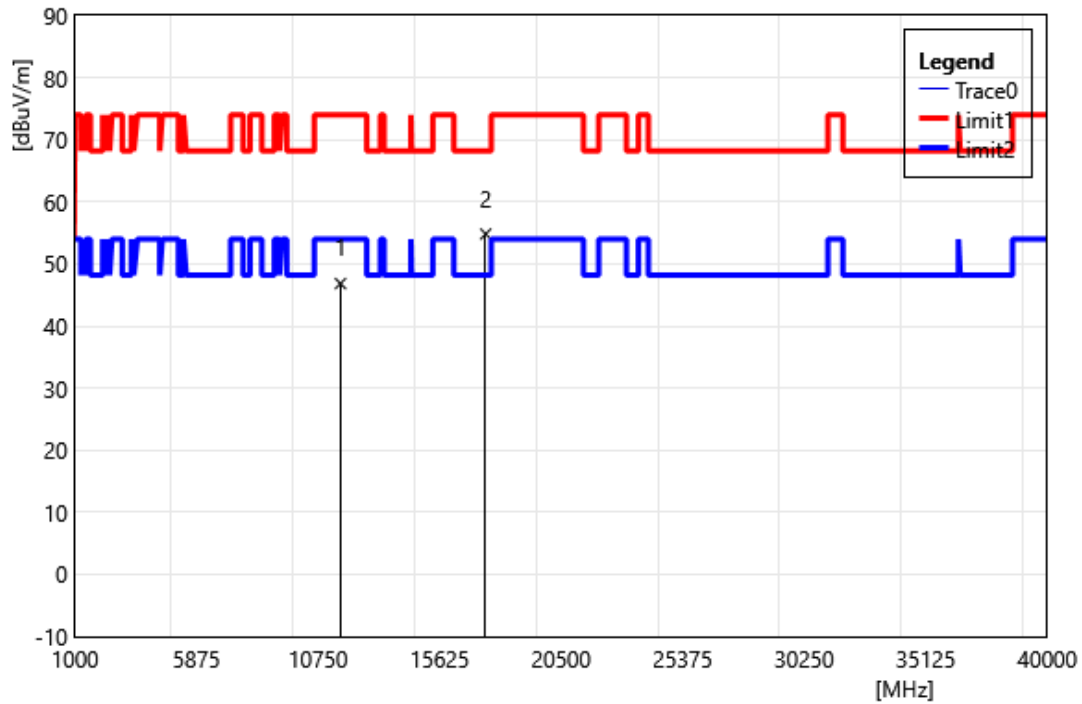
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11570.00         | 35.42           | 12.42                     | 47.84            | 74.00           | -26.16       | PEAK   |
| 2  | 17355.00         | 33.06           | 19.36                     | 52.42            | 68.20           | -15.78       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5825 MHz |           |          |
| Polarization: | Vertical         |           |          |
| Remark:       |                  |           |          |



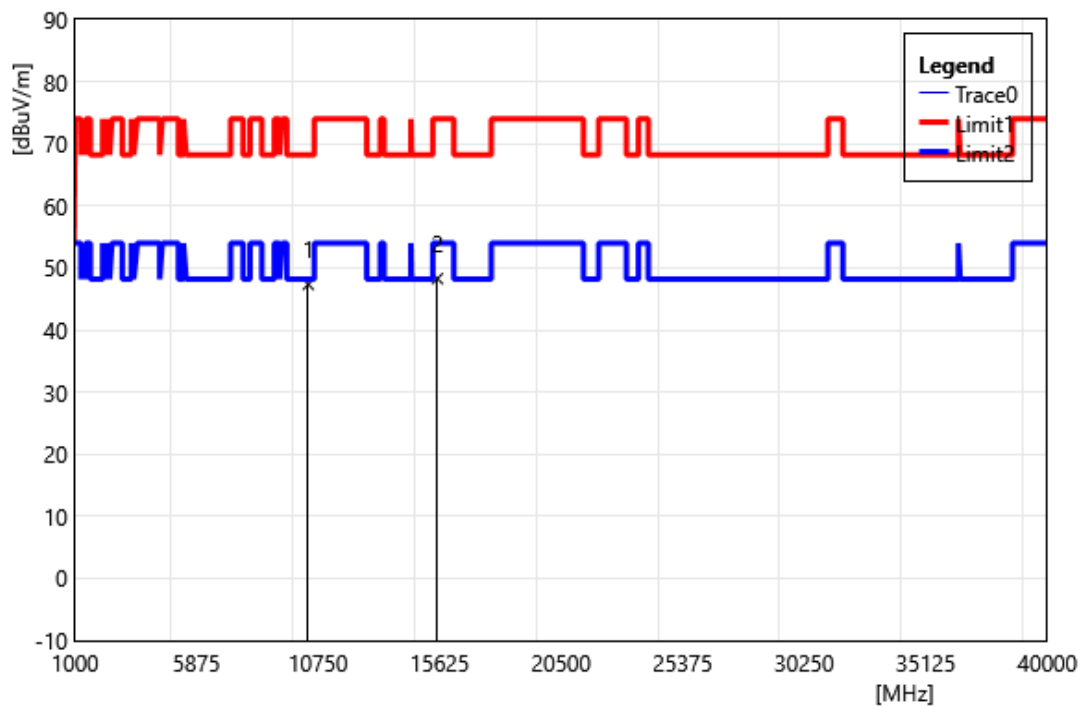
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11650.00         | 35.51           | 12.16                     | 47.67            | 74.00           | -26.33       | PEAK   |
| 2  | 17475.00         | 33.63           | 20.31                     | 53.94            | 68.20           | -14.26       | PEAK   |

|               |                  |           |          |
|---------------|------------------|-----------|----------|
| Test Site:    | 966 Chamber      | Standard: | Part 15E |
| Test Mode:    | 802.11a 5825 MHz |           |          |
| Polarization: | Horizontal       |           |          |
| Remark:       |                  |           |          |



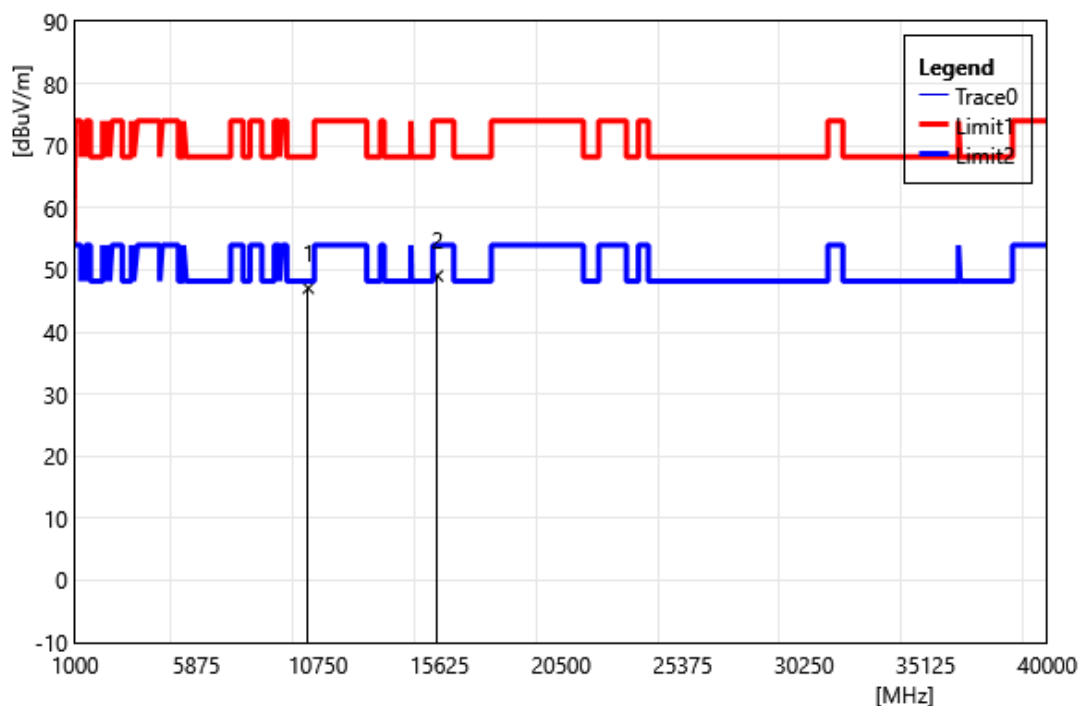
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11650.00         | 34.69           | 12.16                     | 46.85            | 74.00           | -27.15       | PEAK   |
| 2  | 17475.00         | 34.51           | 20.31                     | 54.82            | 68.20           | -13.38       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5180 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



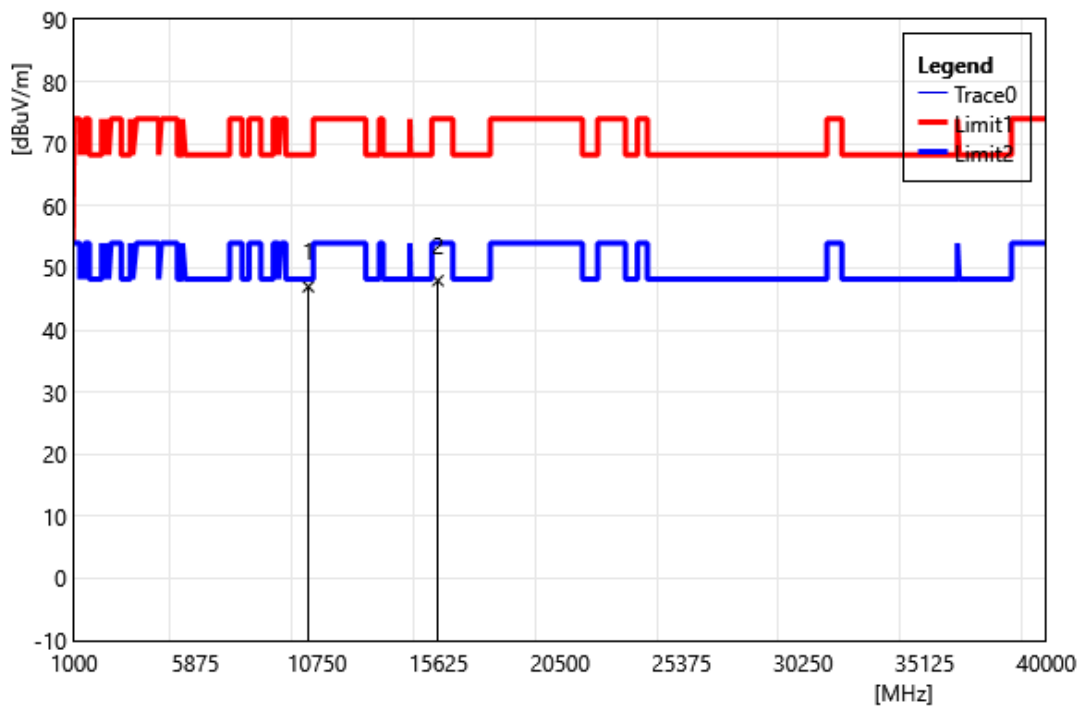
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10360.00         | 36.18           | 11.17                     | 47.35            | 68.20           | -20.85       | PEAK   |
| 2  | 15540.00         | 34.18           | 14.09                     | 48.27            | 74.00           | -25.73       | PEAK   |

|               |                            |           |          |
|---------------|----------------------------|-----------|----------|
| Test Site:    | 966 Chamber                | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5180<br>MHz |           |          |
| Polarization: | Horizontal                 |           |          |
| Remark:       |                            |           |          |



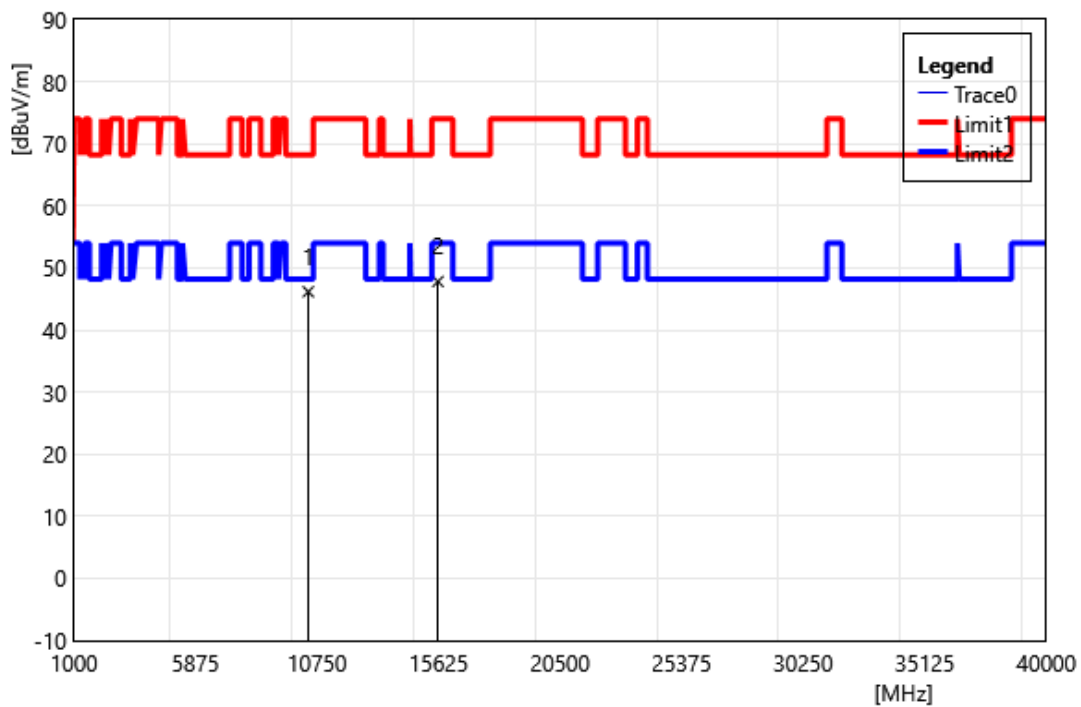
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10360.00         | 35.90           | 11.17                     | 47.07            | 68.20           | -21.13       | PEAK   |
| 2  | 15540.00         | 34.96           | 14.09                     | 49.05            | 74.00           | -24.95       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5200 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



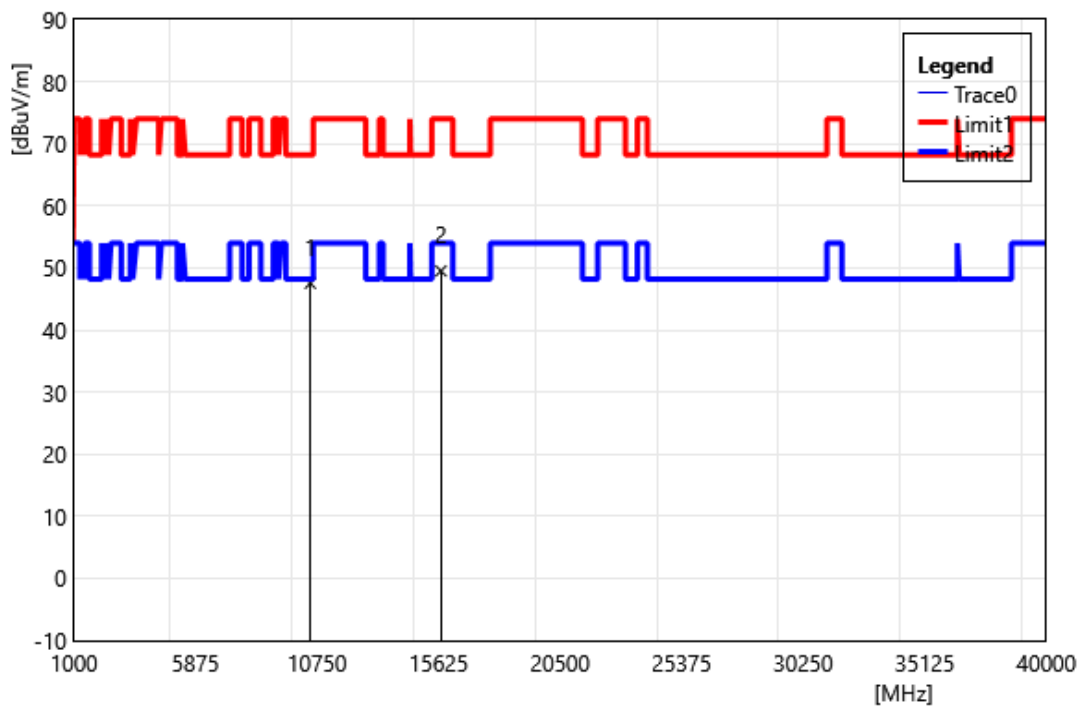
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10400.00         | 35.60           | 11.38                     | 46.98            | 68.20           | -21.22       | PEAK   |
| 2  | 15600.00         | 34.00           | 13.96                     | 47.96            | 74.00           | -26.04       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5200 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



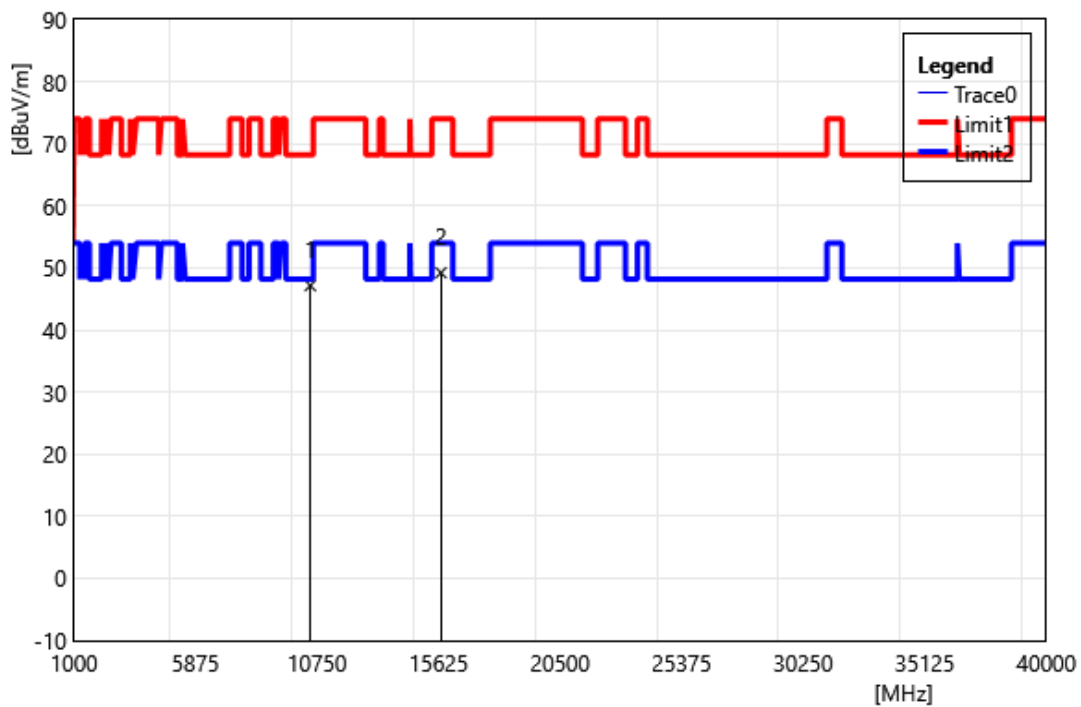
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10400.00         | 34.79           | 11.38                     | 46.17            | 68.20           | -22.03       | PEAK   |
| 2  | 15600.00         | 33.87           | 13.96                     | 47.83            | 74.00           | -26.17       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5240 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



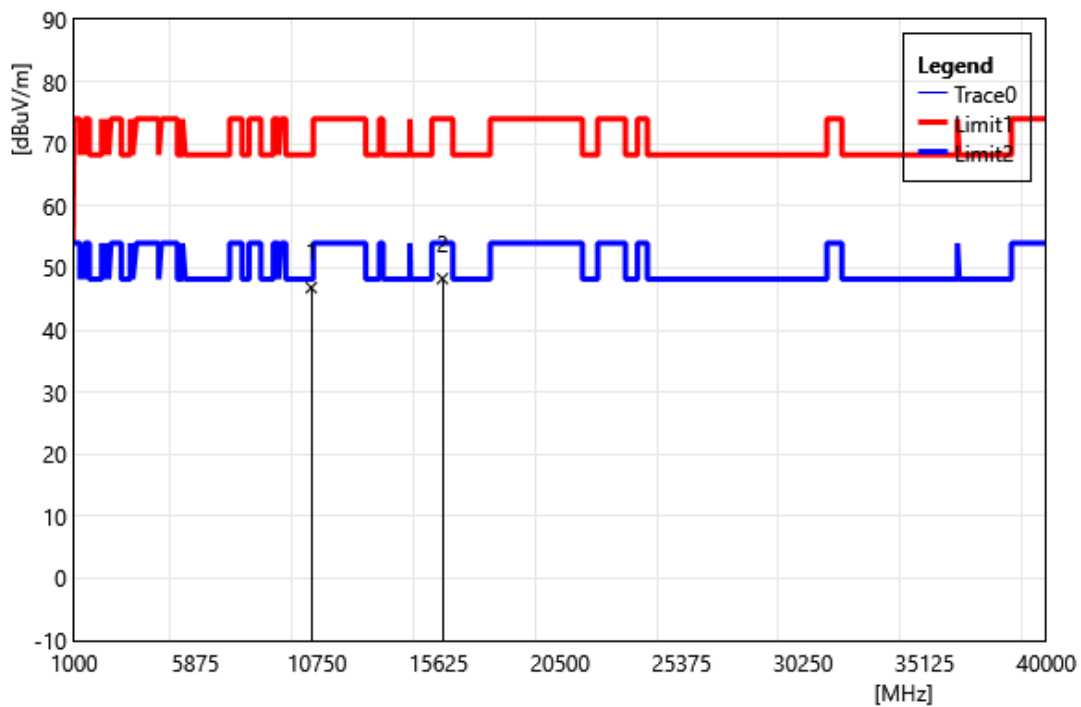
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10480.00         | 35.99           | 11.56                     | 47.55            | 68.20           | -20.65       | PEAK   |
| 2  | 15720.00         | 35.70           | 13.82                     | 49.53            | 74.00           | -24.48       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5240 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



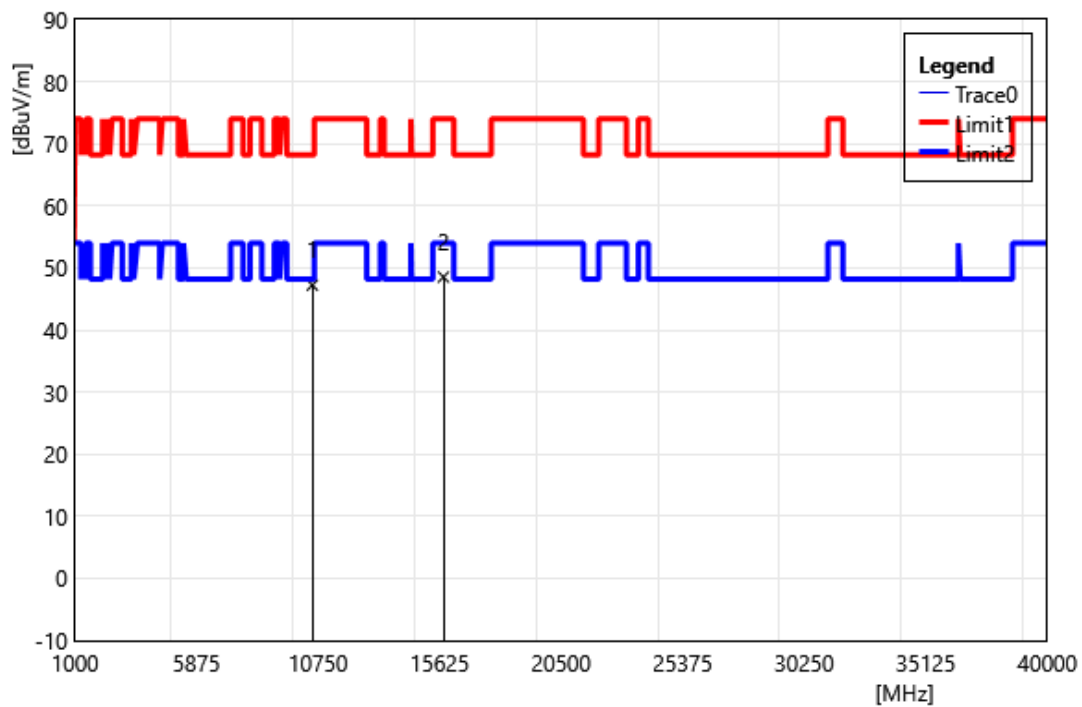
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10480.00         | 35.60           | 11.56                     | 47.16            | 68.20           | -21.04       | PEAK   |
| 2  | 15720.00         | 35.41           | 13.82                     | 49.23            | 74.00           | -24.77       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5260 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



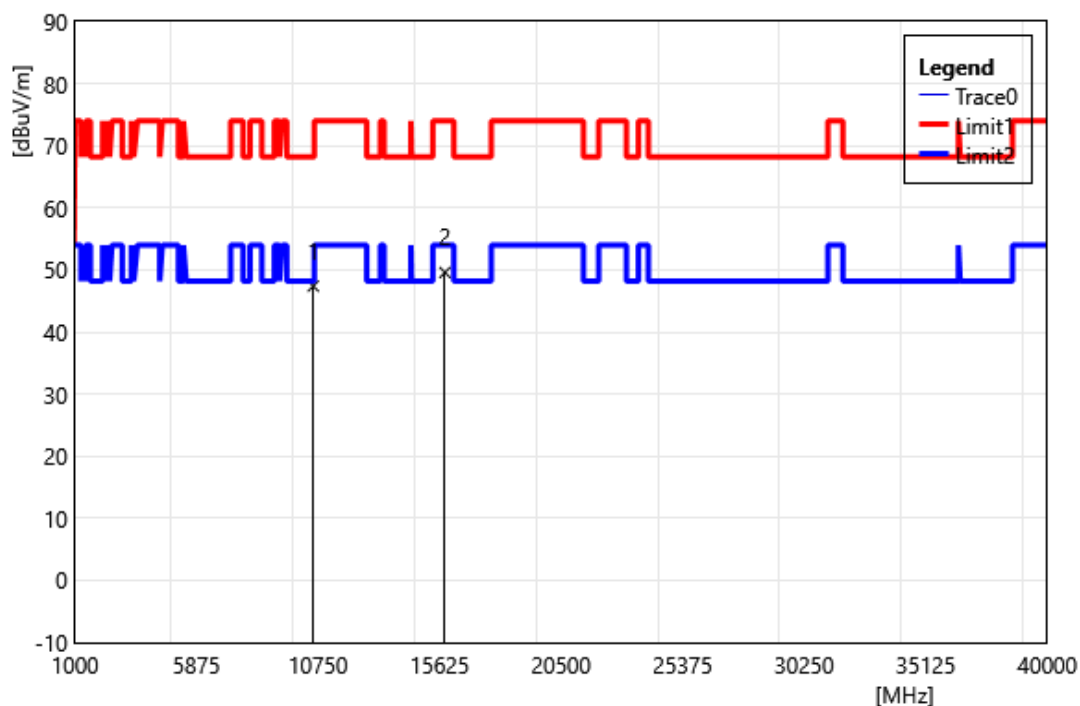
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10520.00         | 35.23           | 11.59                     | 46.82            | 68.20           | -21.38       | PEAK   |
| 2  | 15780.00         | 34.53           | 13.75                     | 48.28            | 74.00           | -25.72       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5260 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



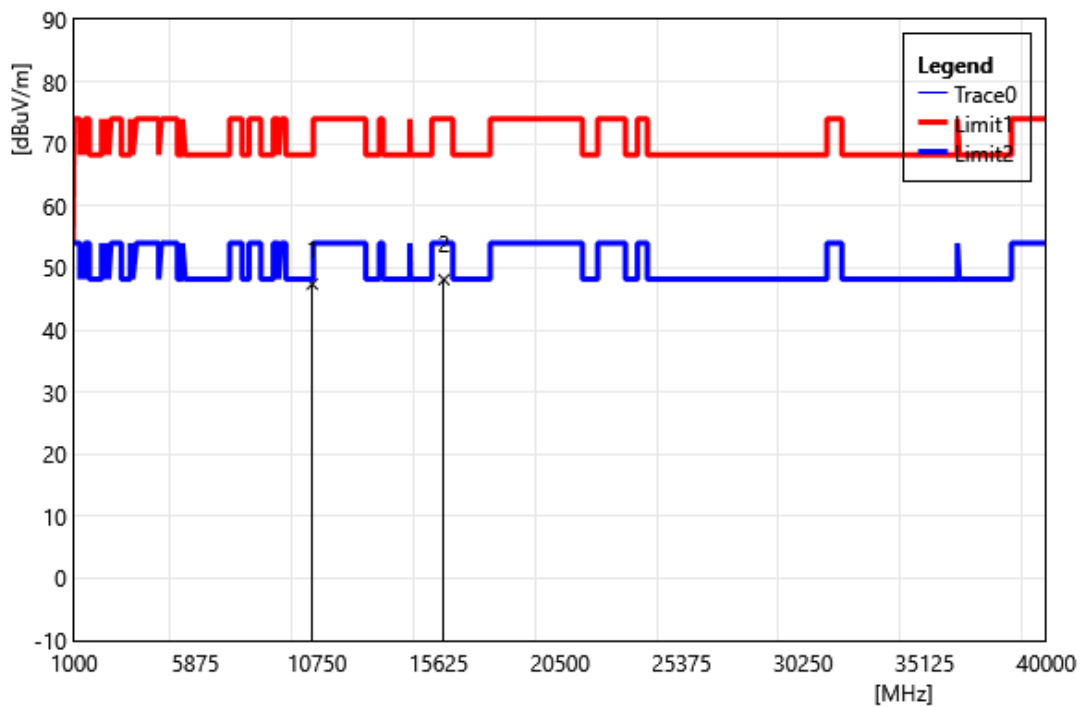
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10520.00         | 35.65           | 11.59                     | 47.24            | 68.20           | -20.96       | PEAK   |
| 2  | 15780.00         | 34.78           | 13.75                     | 48.53            | 74.00           | -25.47       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5280 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



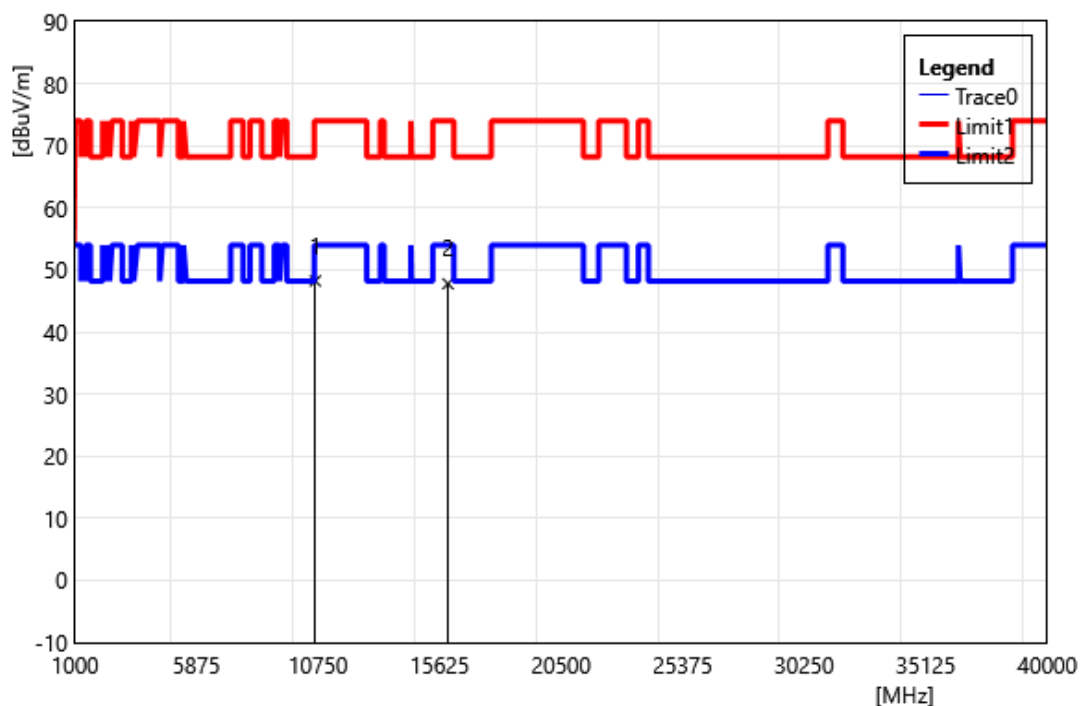
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10560.00         | 35.84           | 11.56                     | 47.40            | 68.20           | -20.80       | PEAK   |
| 2  | 15840.00         | 35.99           | 13.60                     | 49.59            | 74.00           | -24.41       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5280 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



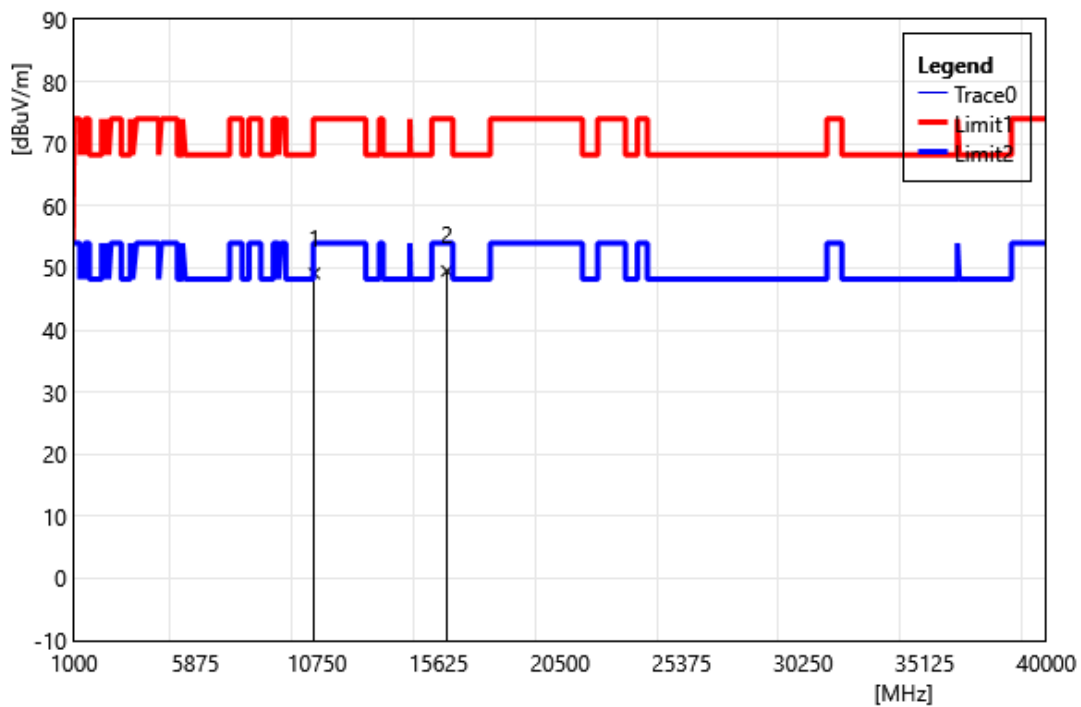
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10560.00         | 35.84           | 11.56                     | 47.40            | 68.20           | -20.80       | PEAK   |
| 2  | 15840.00         | 34.53           | 13.60                     | 48.13            | 74.00           | -25.87       | PEAK   |

|               |                            |           |          |
|---------------|----------------------------|-----------|----------|
| Test Site:    | 966 Chamber                | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5320<br>MHz |           |          |
| Polarization: | Vertical                   |           |          |
| Remark:       |                            |           |          |



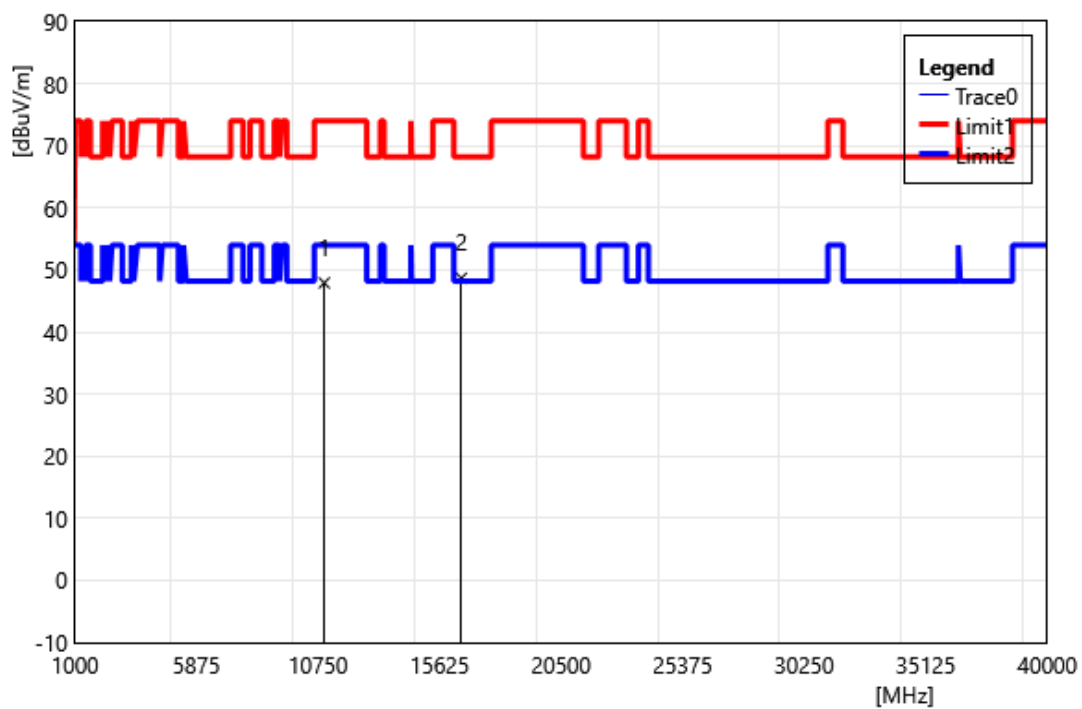
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10640.00         | 36.69           | 11.55                     | 48.24            | 74.00           | -25.76       | PEAK   |
| 2  | 15960.00         | 34.56           | 13.22                     | 47.78            | 74.00           | -26.22       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5320 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



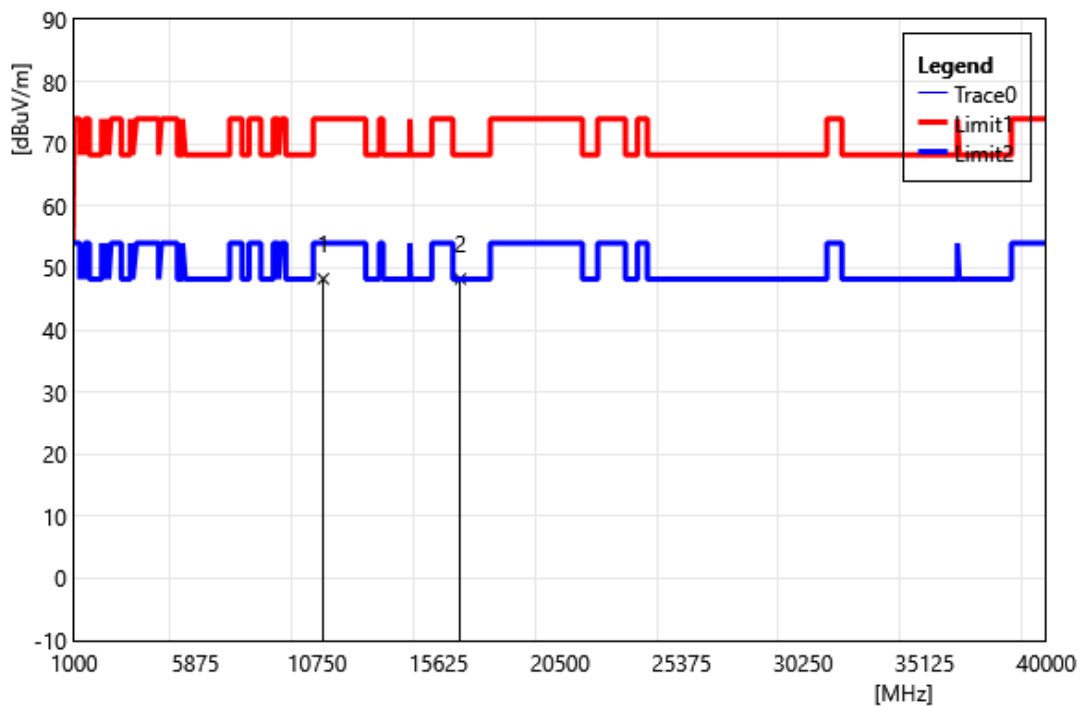
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10640.00         | 37.58           | 11.55                     | 49.13            | 74.00           | -24.87       | PEAK   |
| 2  | 15960.00         | 36.29           | 13.22                     | 49.51            | 74.00           | -24.49       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5500 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



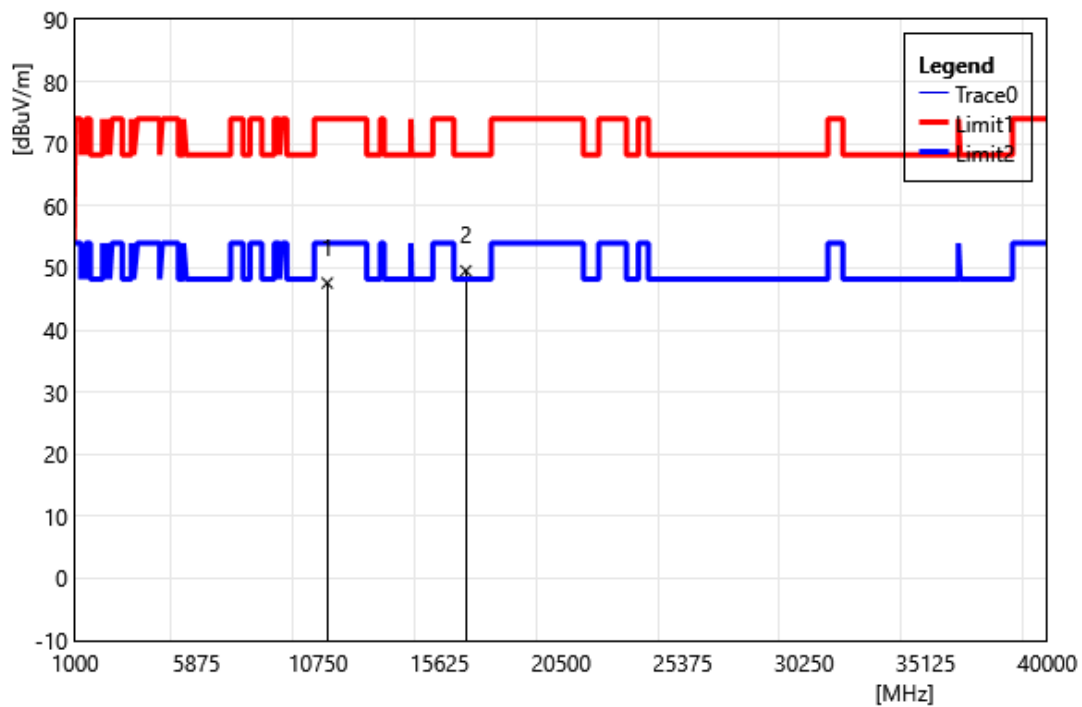
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11000.00         | 36.13           | 11.79                     | 47.92            | 74.00           | -26.08       | PEAK   |
| 2  | 16500.00         | 34.35           | 14.31                     | 48.66            | 68.20           | -19.54       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5500 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



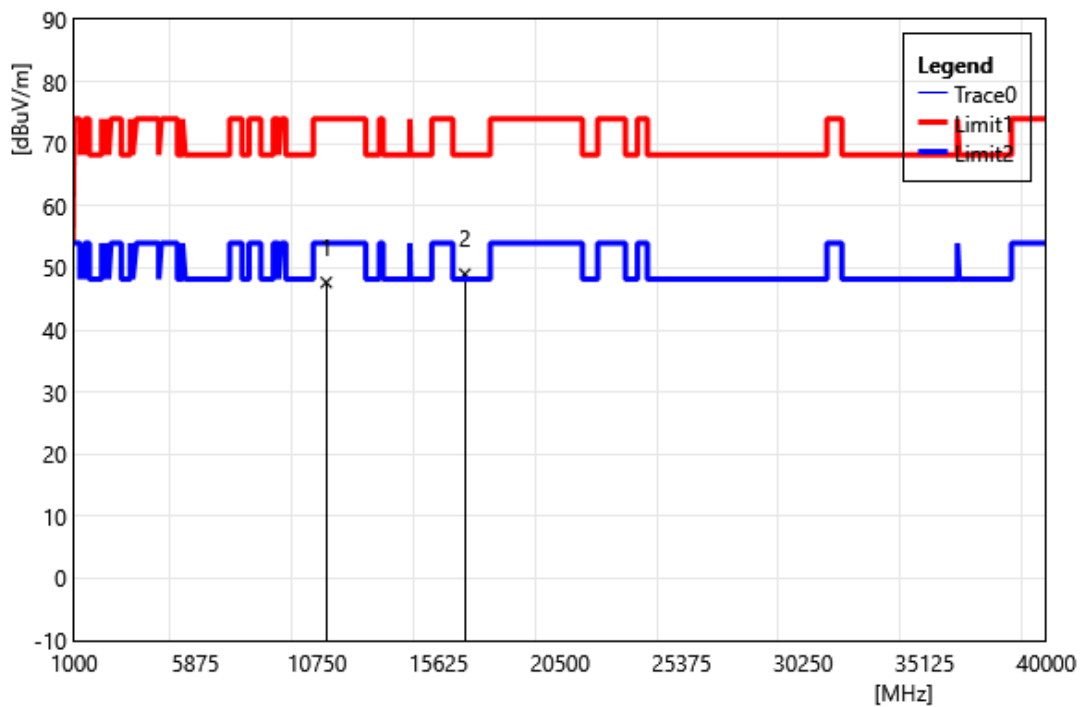
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11000.00         | 36.46           | 11.79                     | 48.25            | 74.00           | -25.75       | PEAK   |
| 2  | 16500.00         | 33.92           | 14.31                     | 48.23            | 68.20           | -19.97       | PEAK   |

|               |                            |           |          |
|---------------|----------------------------|-----------|----------|
| Test Site:    | 966 Chamber                | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5560<br>MHz |           |          |
| Polarization: | Vertical                   |           |          |
| Remark:       |                            |           |          |



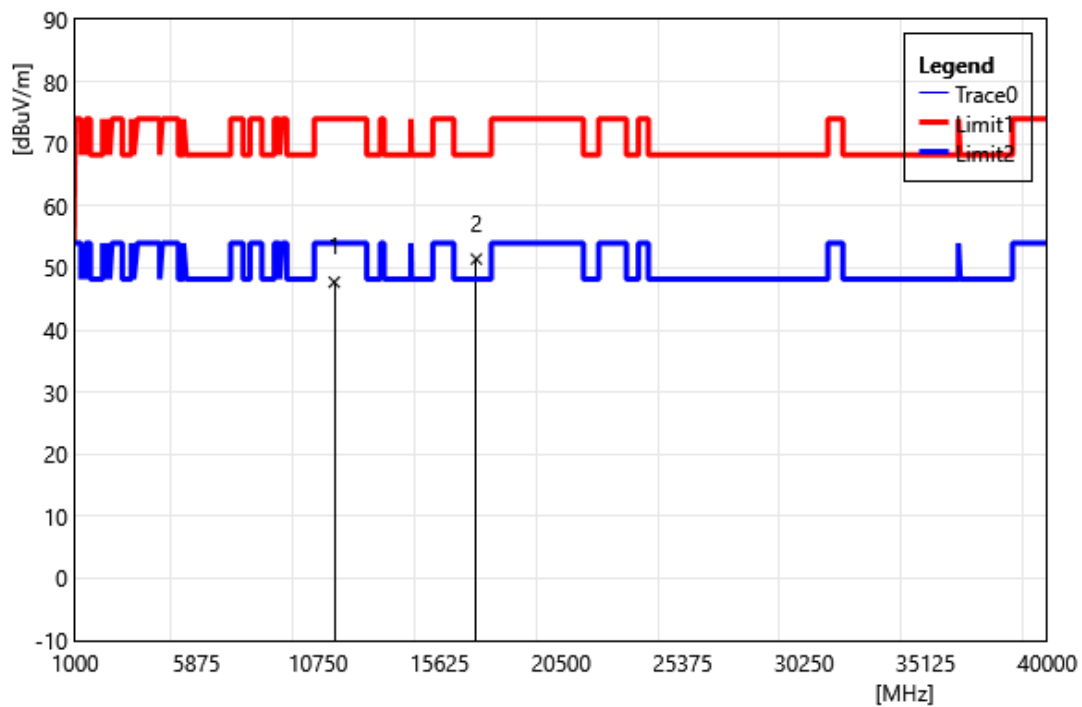
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11120.00         | 35.56           | 12.03                     | 47.59            | 74.00           | -26.41       | PEAK   |
| 2  | 16680.00         | 34.33           | 15.21                     | 49.54            | 68.20           | -18.66       | PEAK   |

|               |                            |           |          |
|---------------|----------------------------|-----------|----------|
| Test Site:    | 966 Chamber                | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5560<br>MHz |           |          |
| Polarization: | Horizontal                 |           |          |
| Remark:       |                            |           |          |



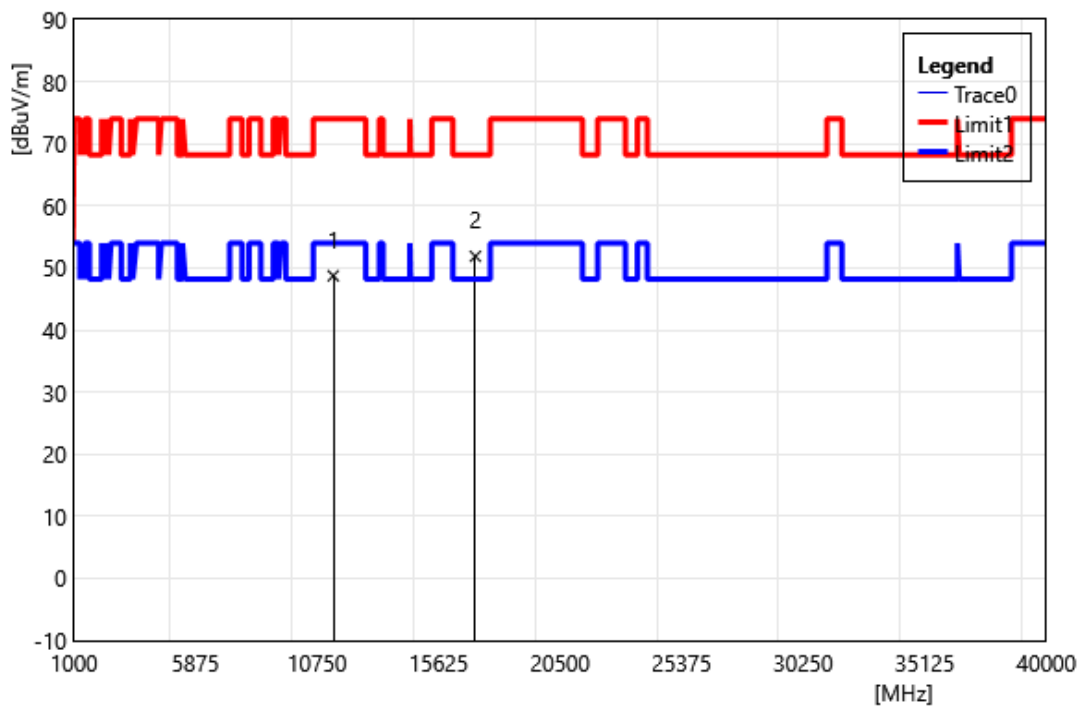
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11120.00         | 35.64           | 12.03                     | 47.67            | 74.00           | -26.33       | PEAK   |
| 2  | 16680.00         | 33.80           | 15.21                     | 49.01            | 68.20           | -19.19       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5700 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



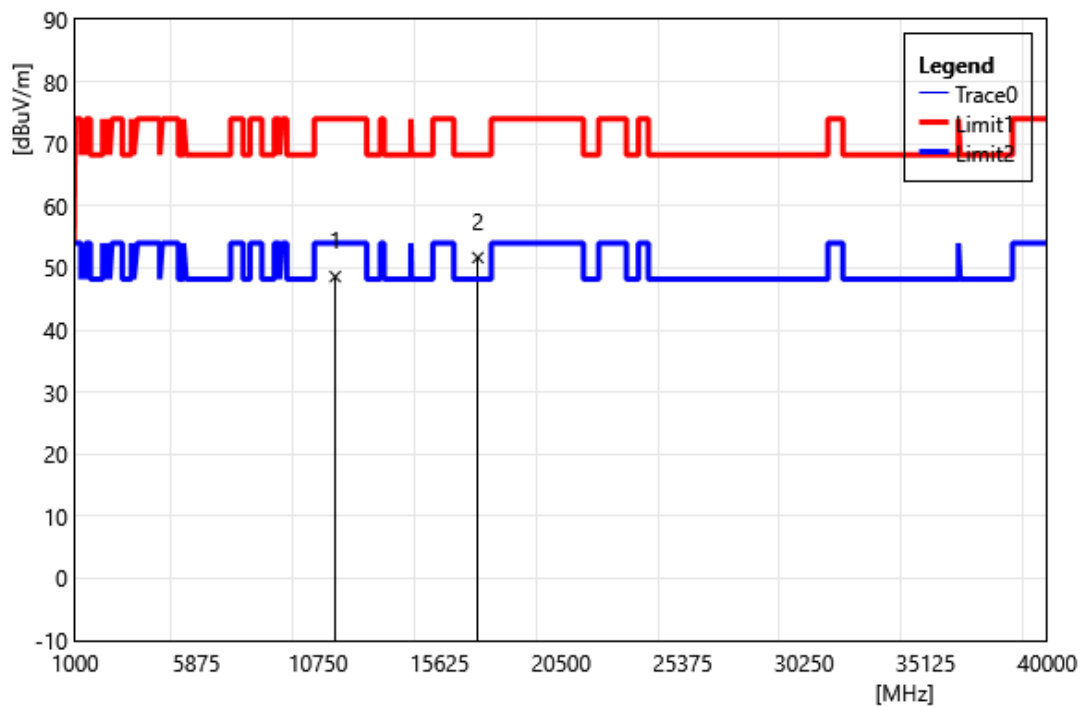
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11400.00         | 35.51           | 12.21                     | 47.72            | 74.00           | -26.28       | PEAK   |
| 2  | 17100.00         | 34.06           | 17.37                     | 51.43            | 68.20           | -16.77       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5700 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



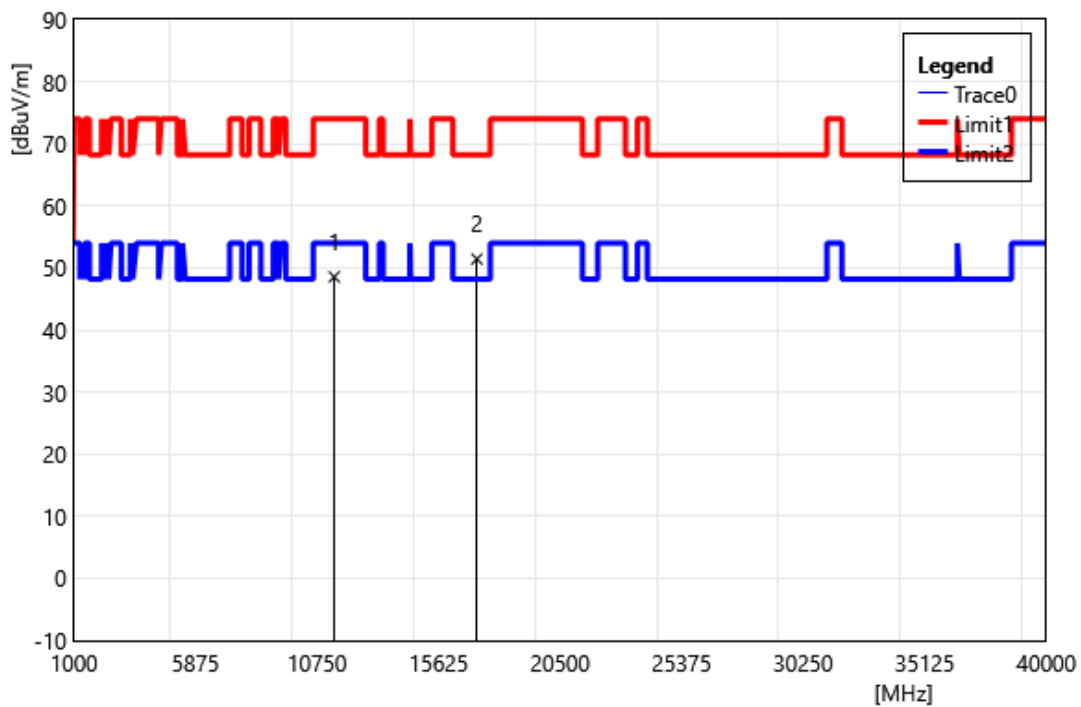
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|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11400.00         | 36.52           | 12.21                     | 48.74            | 74.00           | -25.26       | PEAK   |
| 2  | 17100.00         | 34.51           | 17.37                     | 51.89            | 68.20           | -16.31       | PEAK   |

|               |                            |           |          |
|---------------|----------------------------|-----------|----------|
| Test Site:    | 966 Chamber                | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5720<br>MHz |           |          |
| Polarization: | Vertical                   |           |          |
| Remark:       |                            |           |          |



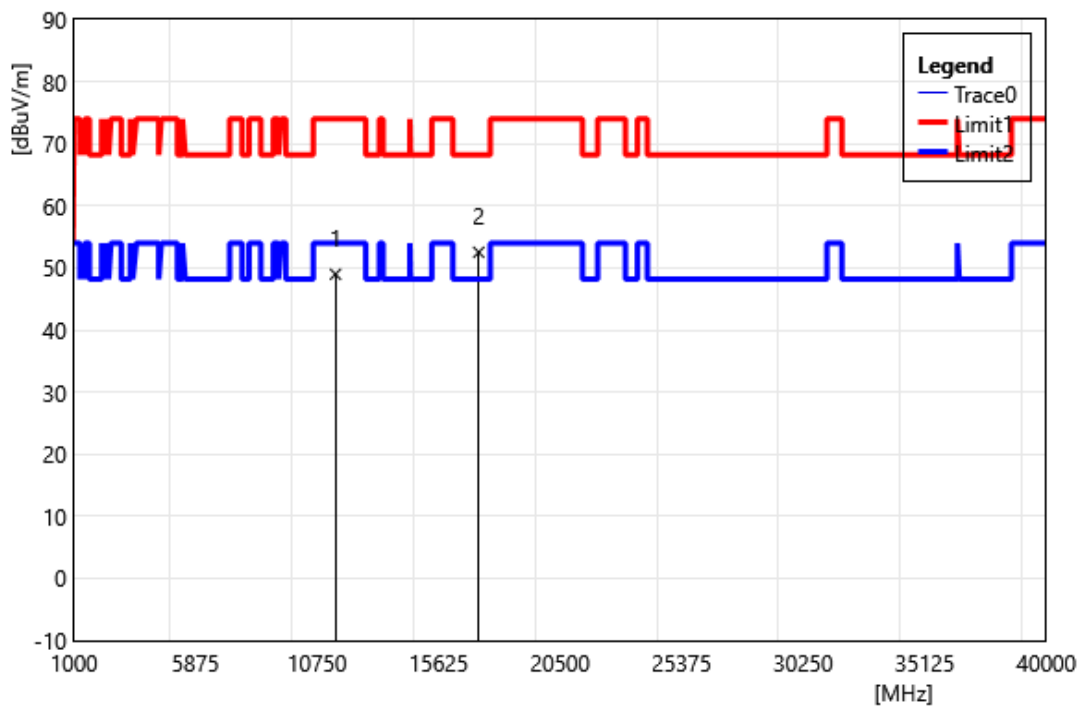
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|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11440.00         | 36.20           | 12.41                     | 48.61            | 74.00           | -25.39       | PEAK   |
| 2  | 17160.00         | 33.86           | 17.82                     | 51.68            | 68.20           | -16.52       | PEAK   |

|               |                            |           |          |
|---------------|----------------------------|-----------|----------|
| Test Site:    | 966 Chamber                | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5720<br>MHz |           |          |
| Polarization: | Horizontal                 |           |          |
| Remark:       |                            |           |          |



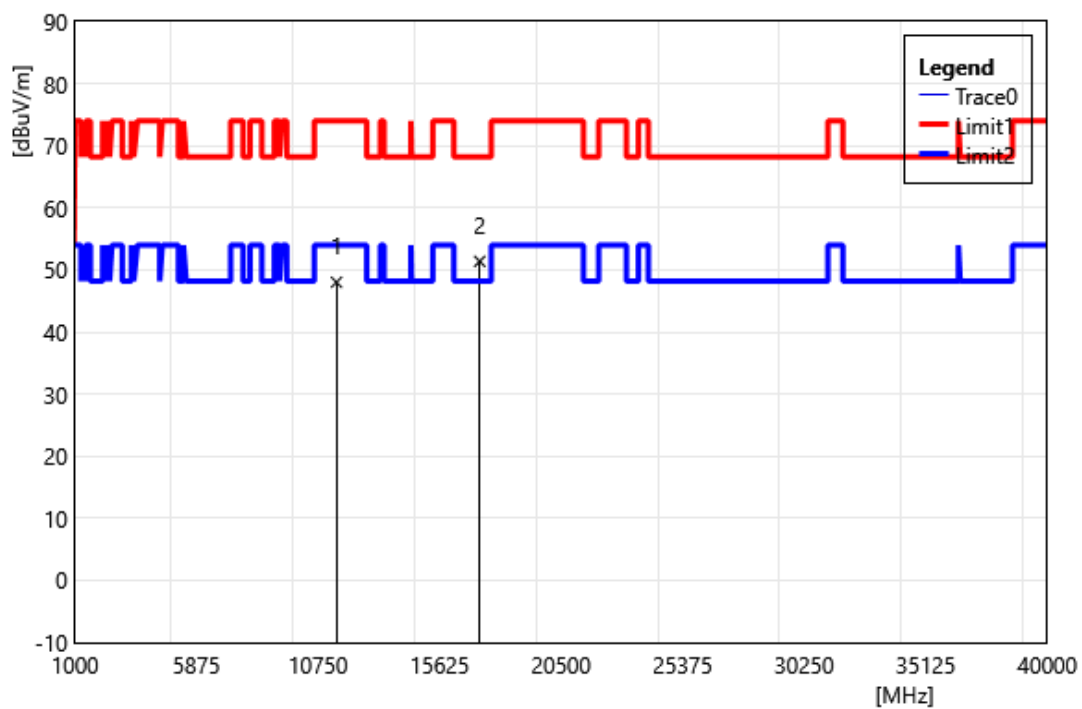
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|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11440.00         | 36.15           | 12.41                     | 48.56            | 74.00           | -25.44       | PEAK   |
| 2  | 17160.00         | 33.62           | 17.82                     | 51.44            | 68.20           | -16.76       | PEAK   |

|               |                            |           |          |
|---------------|----------------------------|-----------|----------|
| Test Site:    | 966 Chamber                | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5745<br>MHz |           |          |
| Polarization: | Vertical                   |           |          |
| Remark:       |                            |           |          |



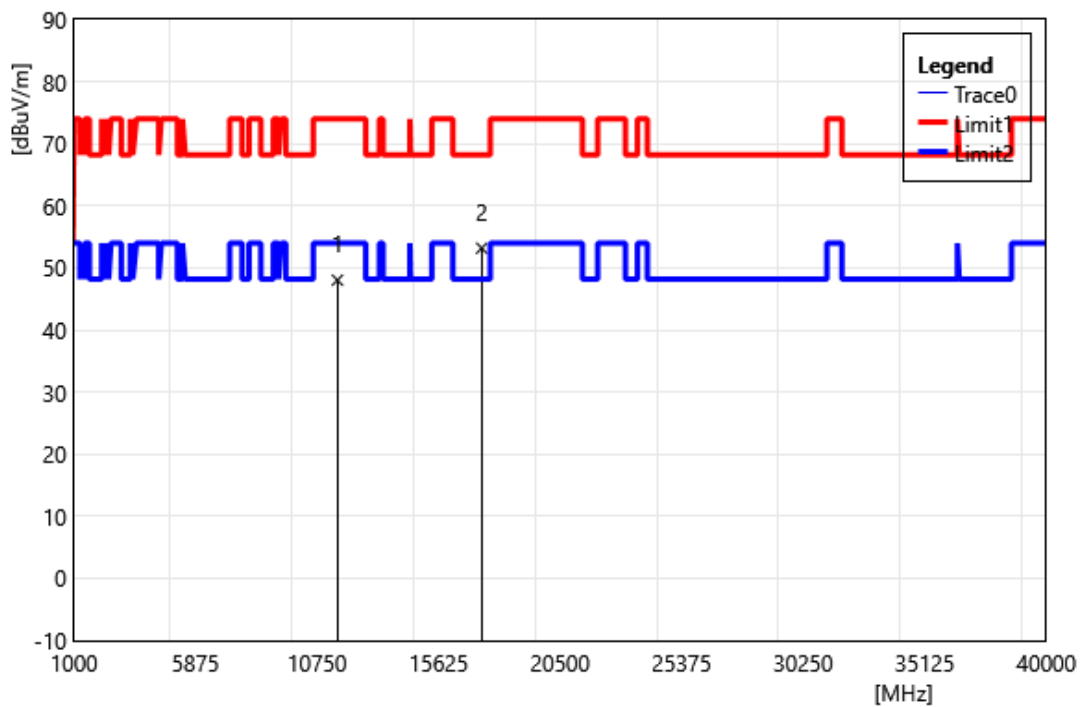
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11490.00         | 36.34           | 12.65                     | 48.99            | 74.00           | -25.01       | PEAK   |
| 2  | 17235.00         | 34.09           | 18.45                     | 52.54            | 68.20           | -15.66       | PEAK   |

|               |                            |           |          |
|---------------|----------------------------|-----------|----------|
| Test Site:    | 966 Chamber                | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5745<br>MHz |           |          |
| Polarization: | Horizontal                 |           |          |
| Remark:       |                            |           |          |



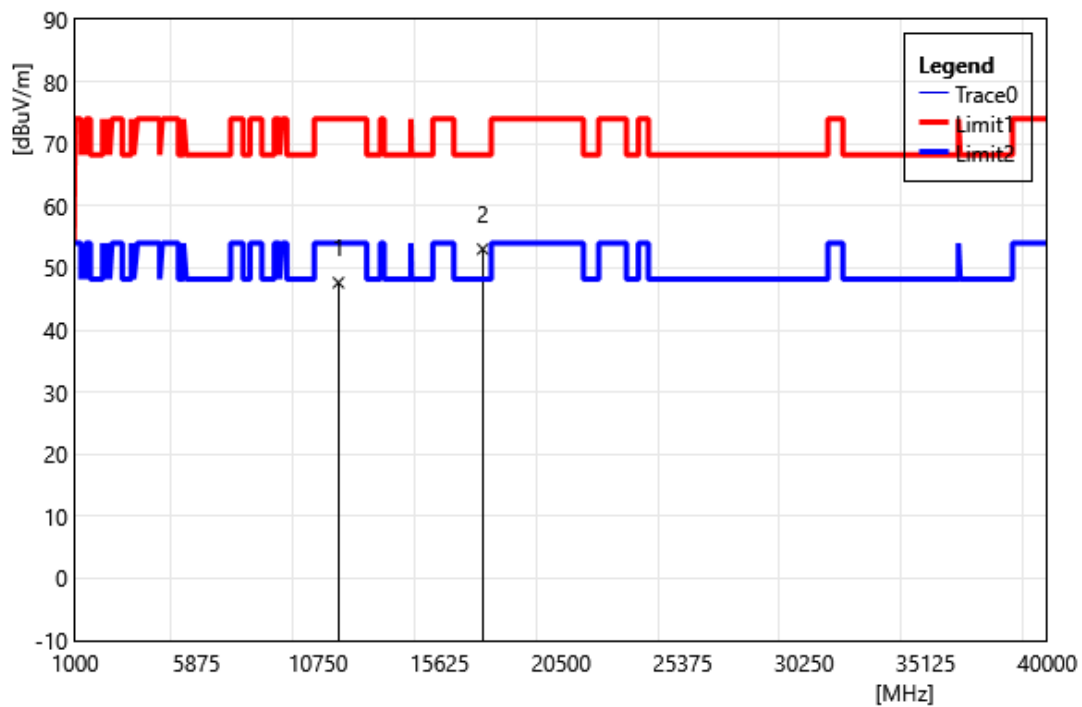
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11490.00         | 35.37           | 12.65                     | 48.02            | 74.00           | -25.98       | PEAK   |
| 2  | 17235.00         | 32.94           | 18.45                     | 51.39            | 68.20           | -16.81       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5785 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



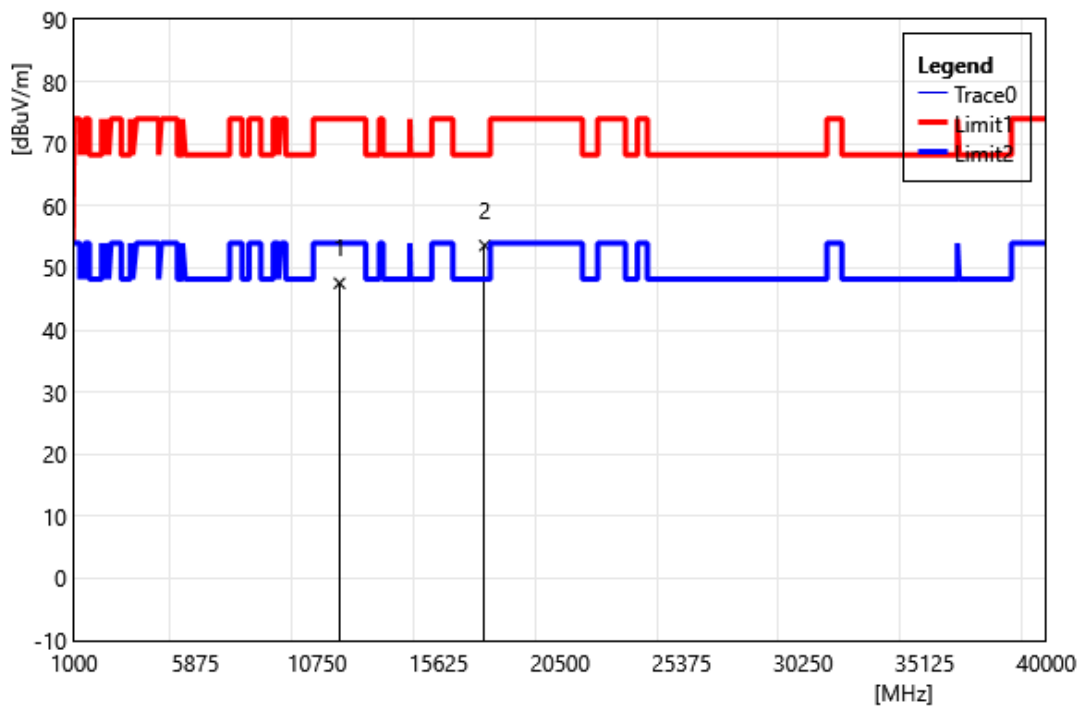
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11570.00         | 35.61           | 12.42                     | 48.03            | 74.00           | -25.97       | PEAK   |
| 2  | 17355.00         | 33.82           | 19.36                     | 53.18            | 68.20           | -15.02       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5785 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



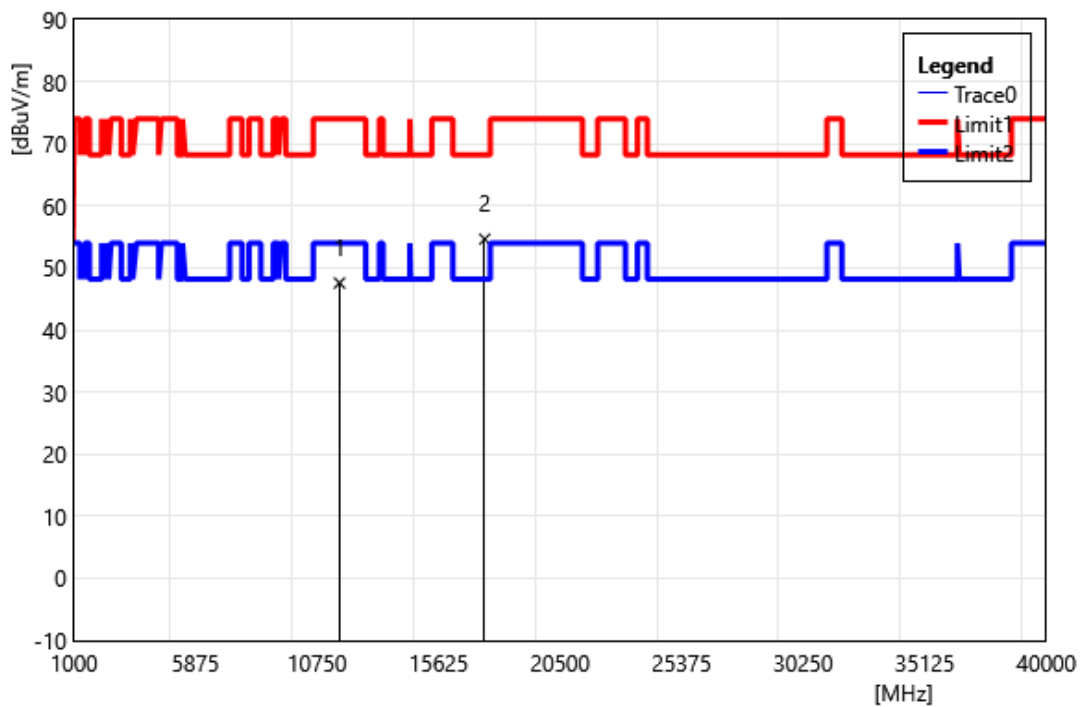
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11570.00         | 35.21           | 12.42                     | 47.63            | 74.00           | -26.37       | PEAK   |
| 2  | 17355.00         | 33.67           | 19.36                     | 53.03            | 68.20           | -15.17       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5825 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



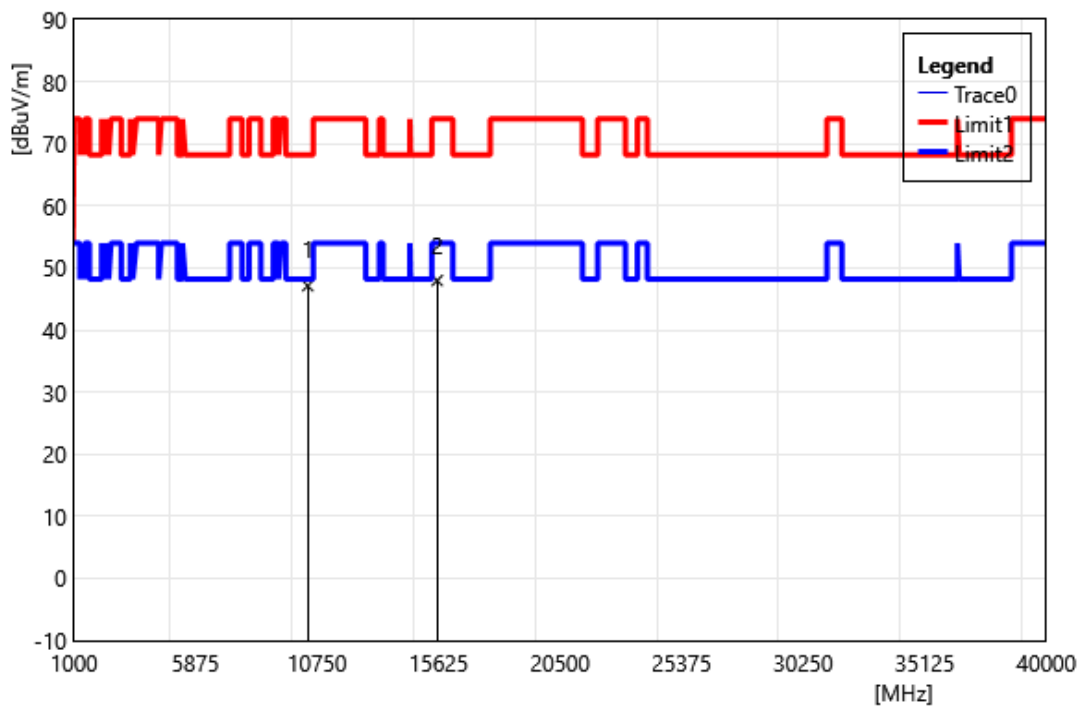
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11650.00         | 35.38           | 12.16                     | 47.54            | 74.00           | -26.46       | PEAK   |
| 2  | 17475.00         | 33.31           | 20.31                     | 53.62            | 68.20           | -14.58       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT20 5825 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



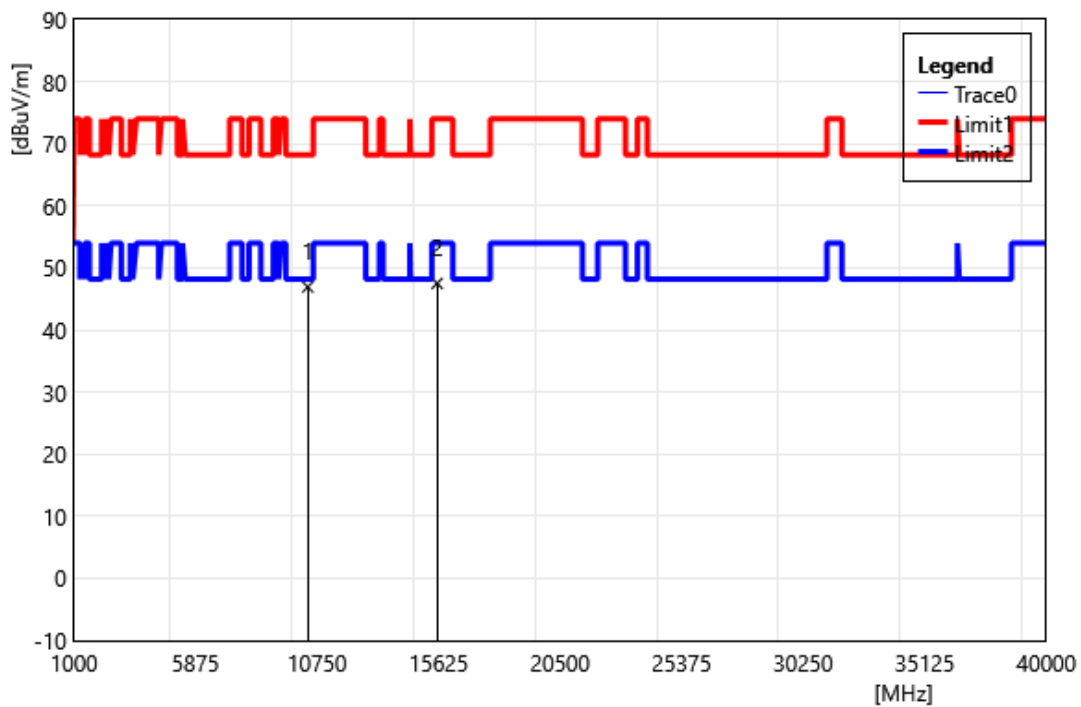
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11650.00         | 35.42           | 12.16                     | 47.58            | 74.00           | -26.42       | PEAK   |
| 2  | 17475.00         | 34.35           | 20.31                     | 54.66            | 68.20           | -13.54       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5190 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



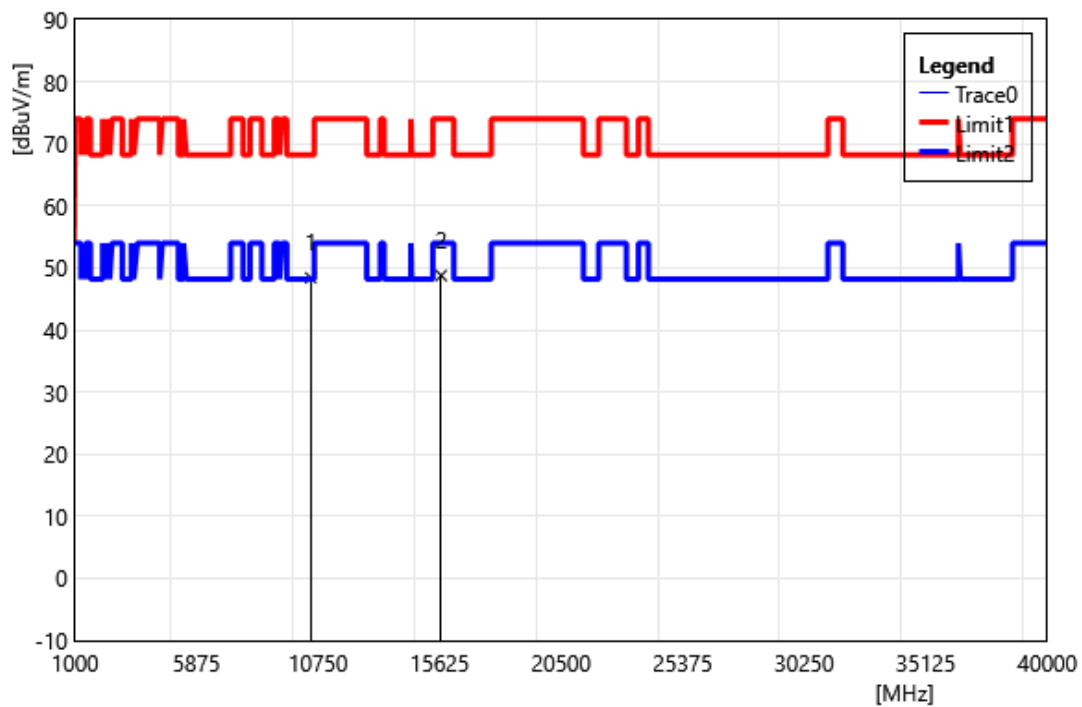
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10380.00         | 35.85           | 11.28                     | 47.13            | 68.20           | -21.07       | PEAK   |
| 2  | 15570.00         | 33.96           | 14.02                     | 47.98            | 74.00           | -26.02       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5190 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



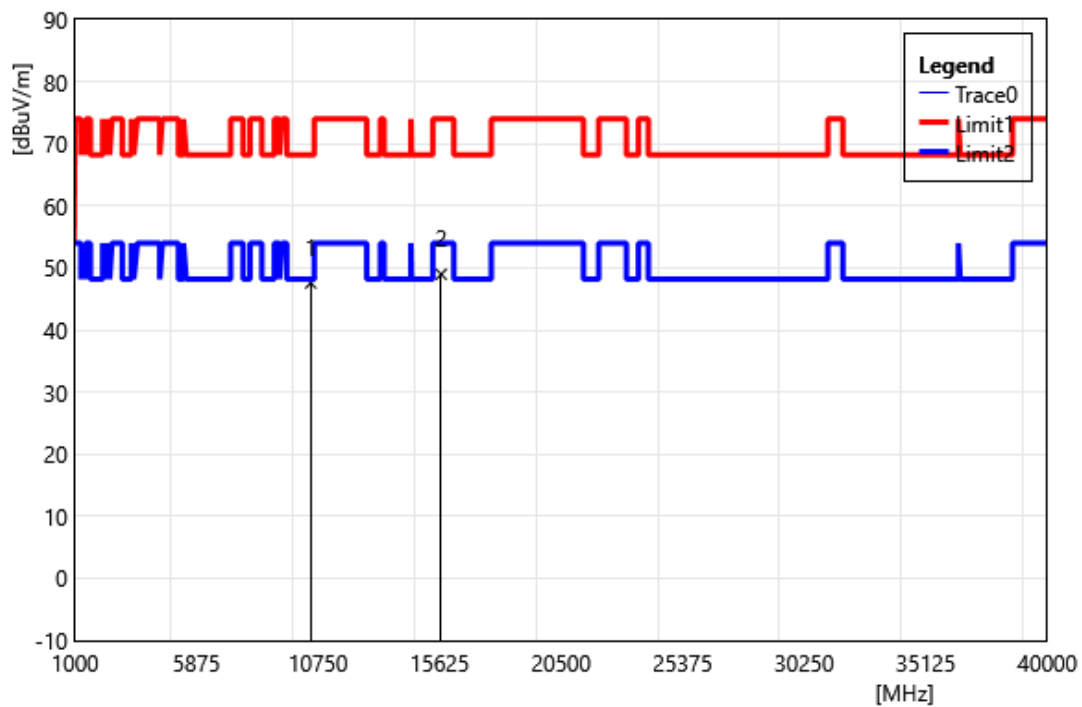
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|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10380.00         | 35.66           | 11.28                     | 46.94            | 68.20           | -21.26       | PEAK   |
| 2  | 15570.00         | 33.50           | 14.02                     | 47.52            | 74.00           | -26.48       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5230 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



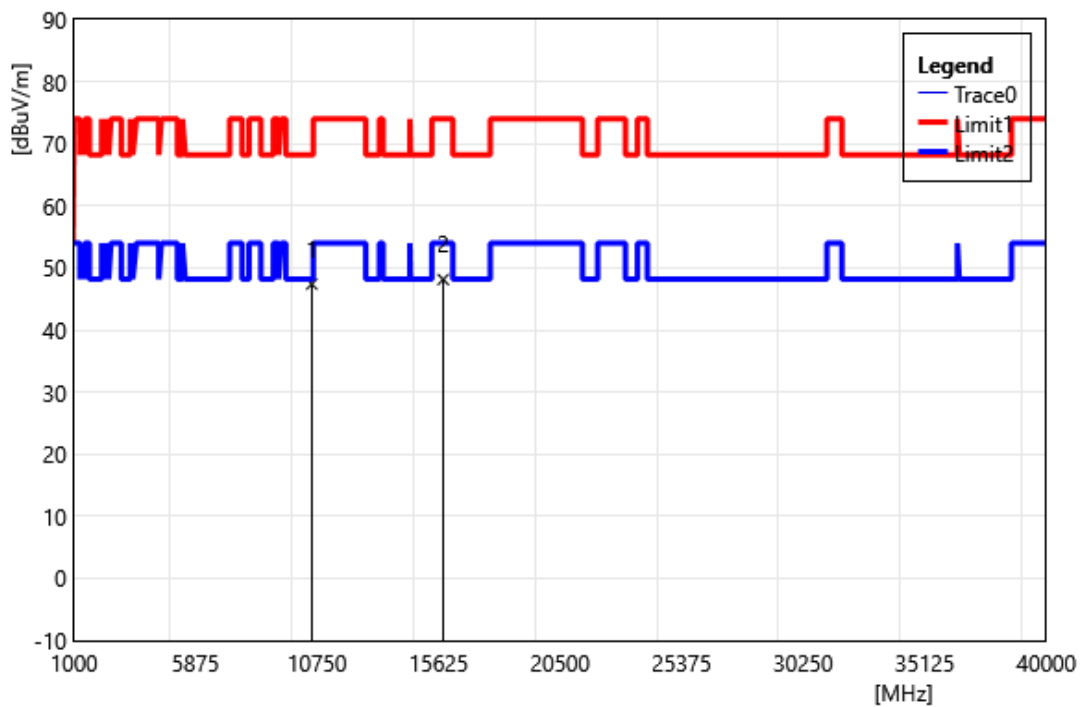
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|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10460.00         | 36.90           | 11.51                     | 48.41            | 68.20           | -19.79       | PEAK   |
| 2  | 15690.00         | 34.93           | 13.85                     | 48.78            | 74.00           | -25.22       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5230 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



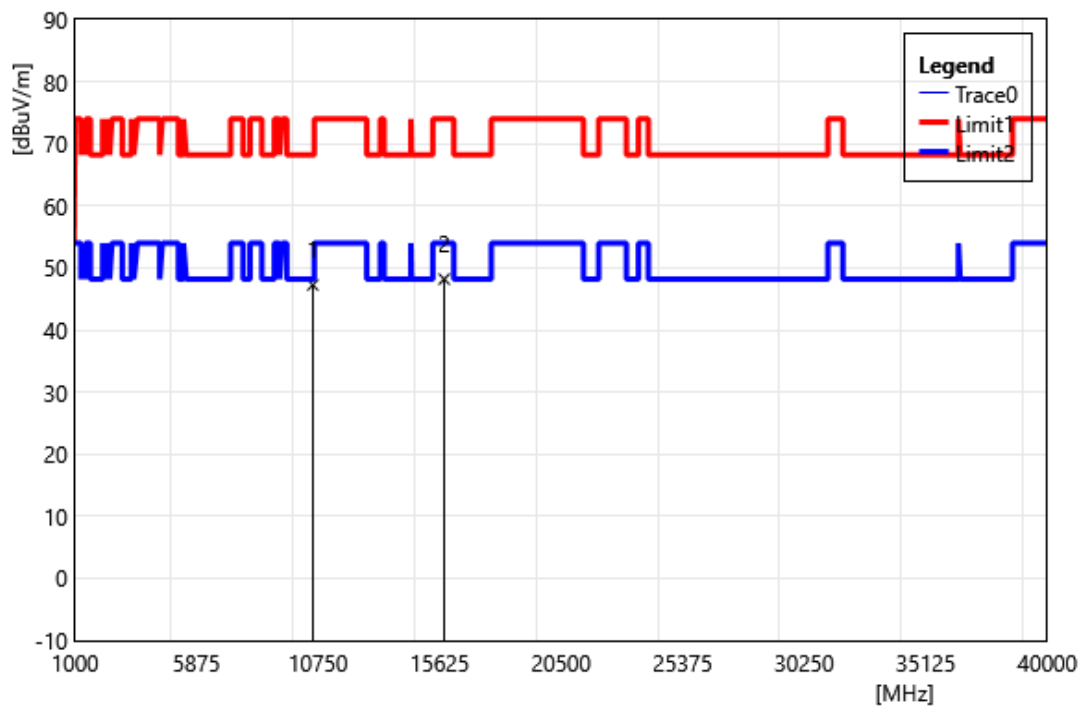
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10460.00         | 36.08           | 11.51                     | 47.59            | 68.20           | -20.61       | PEAK   |
| 2  | 15690.00         | 35.13           | 13.85                     | 48.98            | 74.00           | -25.02       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5270 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



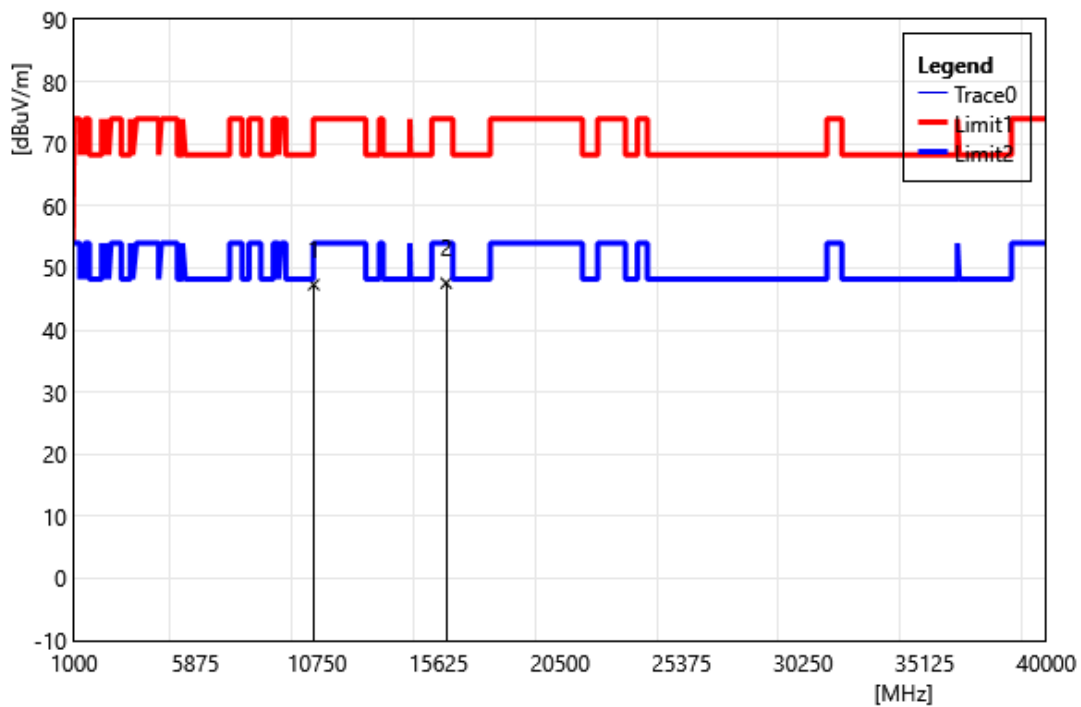
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10540.00         | 35.82           | 11.58                     | 47.40            | 68.20           | -20.80       | PEAK   |
| 2  | 15810.00         | 34.45           | 13.69                     | 48.14            | 74.00           | -25.86       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5270 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



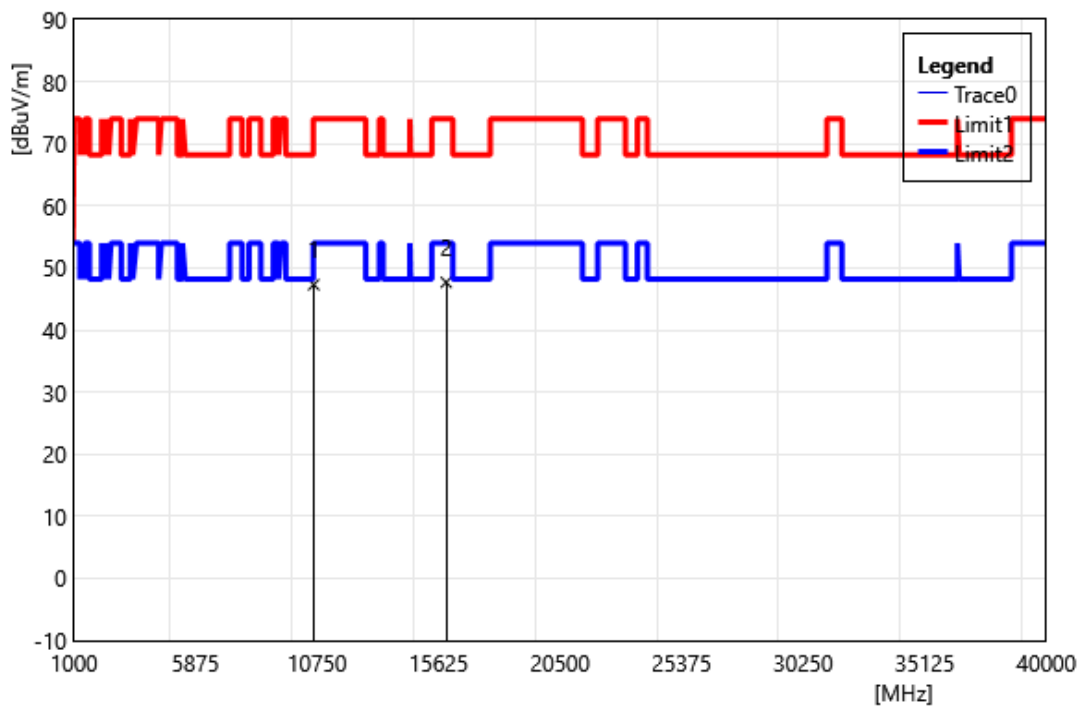
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10540.00         | 35.69           | 11.58                     | 47.27            | 68.20           | -20.93       | PEAK   |
| 2  | 15810.00         | 34.51           | 13.69                     | 48.20            | 74.00           | -25.80       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5310 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



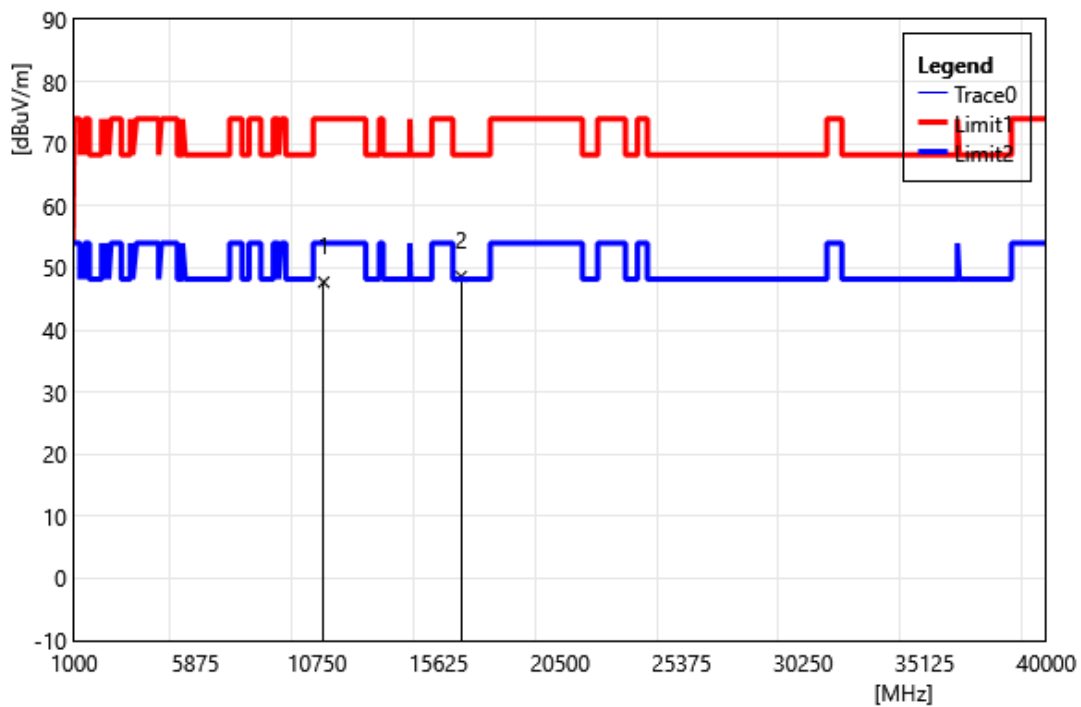
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10620.00         | 35.75           | 11.55                     | 47.30            | 74.00           | -26.70       | PEAK   |
| 2  | 15930.00         | 34.25           | 13.31                     | 47.56            | 74.00           | -26.44       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5310 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



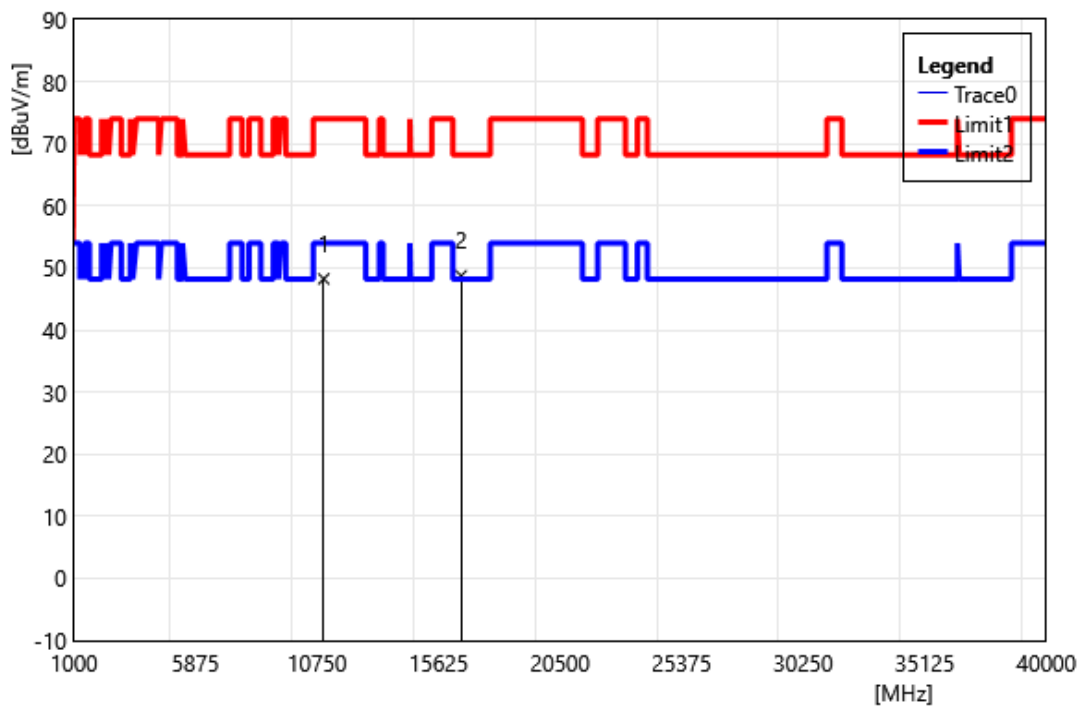
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10620.00         | 35.76           | 11.55                     | 47.31            | 74.00           | -26.69       | PEAK   |
| 2  | 15930.00         | 34.38           | 13.31                     | 47.69            | 74.00           | -26.31       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5510 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



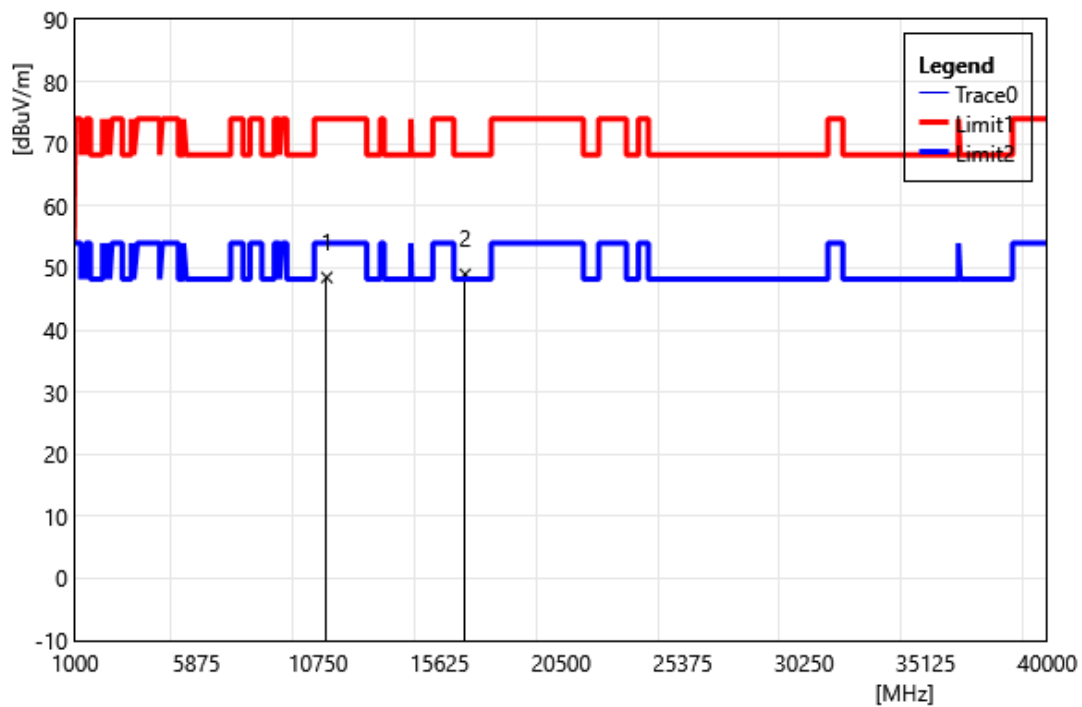
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11020.00         | 35.86           | 11.85                     | 47.71            | 74.00           | -26.29       | PEAK   |
| 2  | 16530.00         | 34.13           | 14.47                     | 48.60            | 68.20           | -19.60       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5510 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



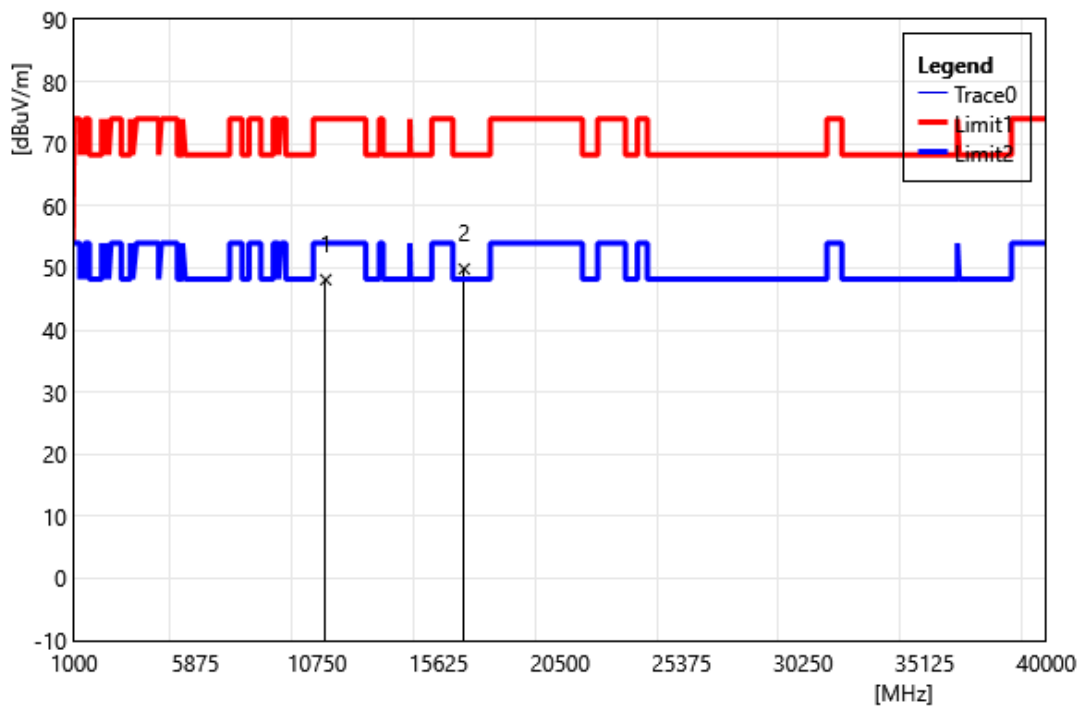
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11020.00         | 36.39           | 11.85                     | 48.24            | 74.00           | -25.76       | PEAK   |
| 2  | 16530.00         | 34.27           | 14.47                     | 48.74            | 68.20           | -19.46       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5550 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



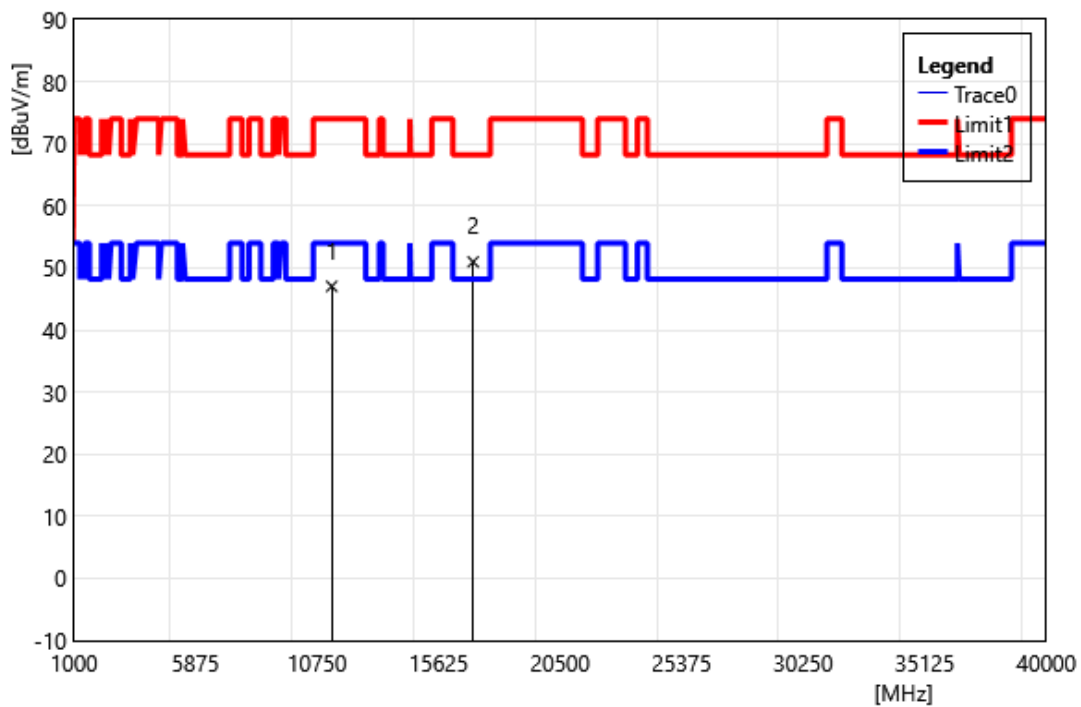
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11100.00         | 36.40           | 12.07                     | 48.47            | 74.00           | -25.53       | PEAK   |
| 2  | 16650.00         | 33.90           | 15.08                     | 48.98            | 68.20           | -19.22       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5550 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



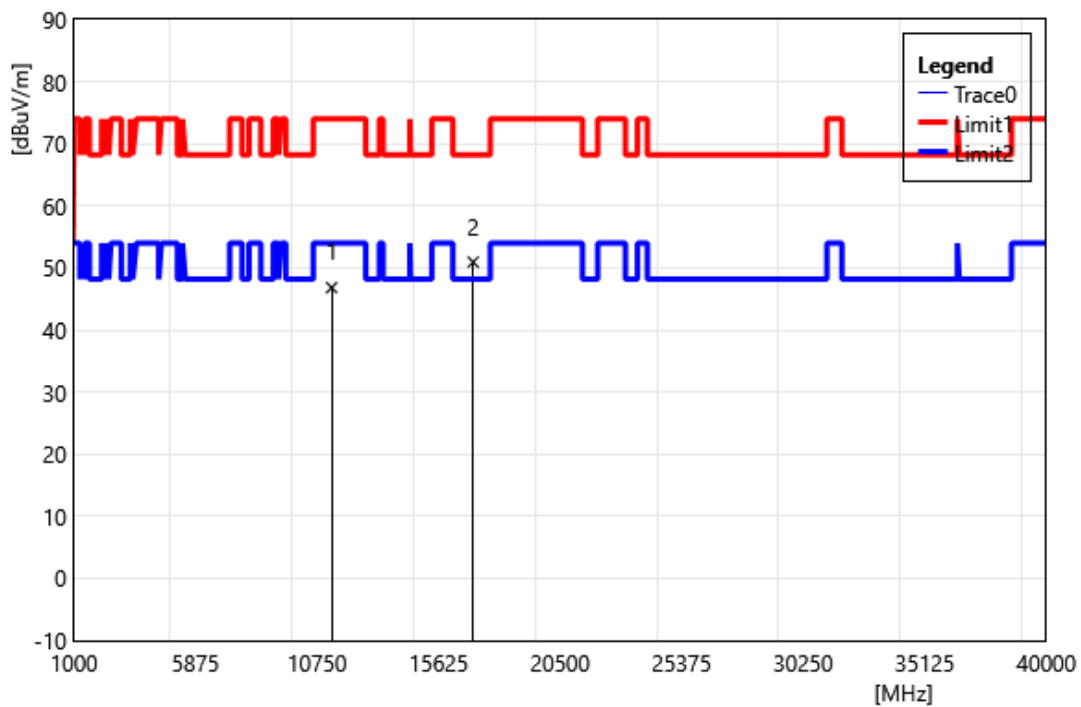
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11100.00         | 36.03           | 12.07                     | 48.10            | 74.00           | -25.90       | PEAK   |
| 2  | 16650.00         | 34.77           | 15.08                     | 49.85            | 68.20           | -18.35       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5670 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



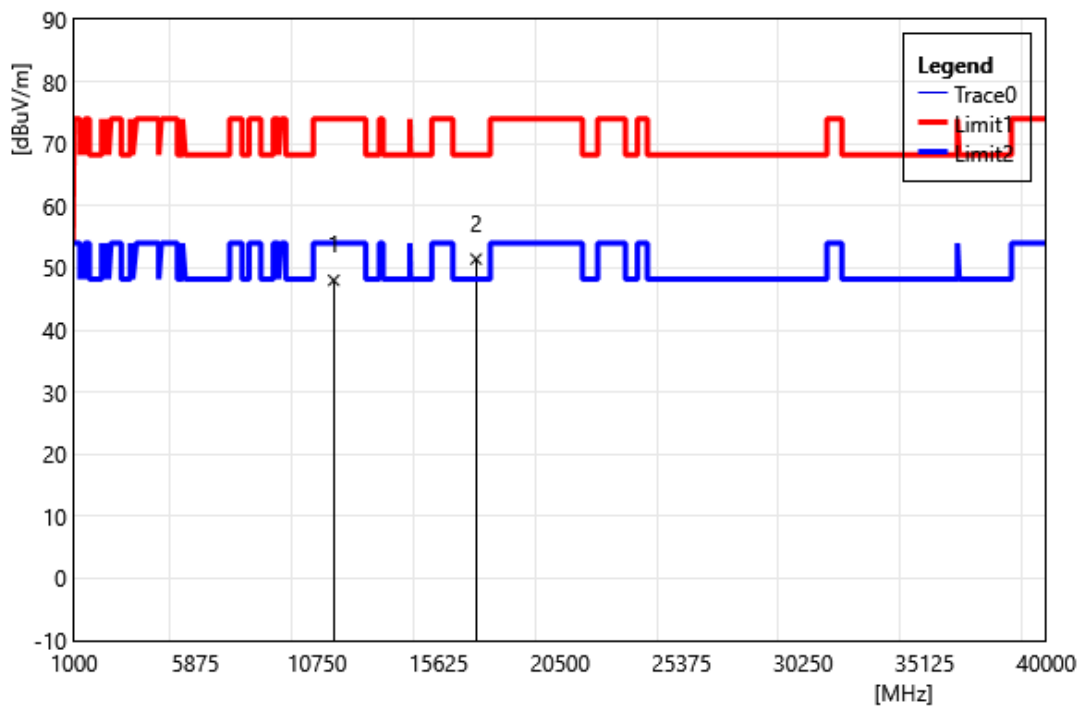
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11340.00         | 35.00           | 12.05                     | 47.05            | 74.00           | -26.95       | PEAK   |
| 2  | 17010.00         | 34.20           | 16.79                     | 50.99            | 68.20           | -17.21       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5670 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



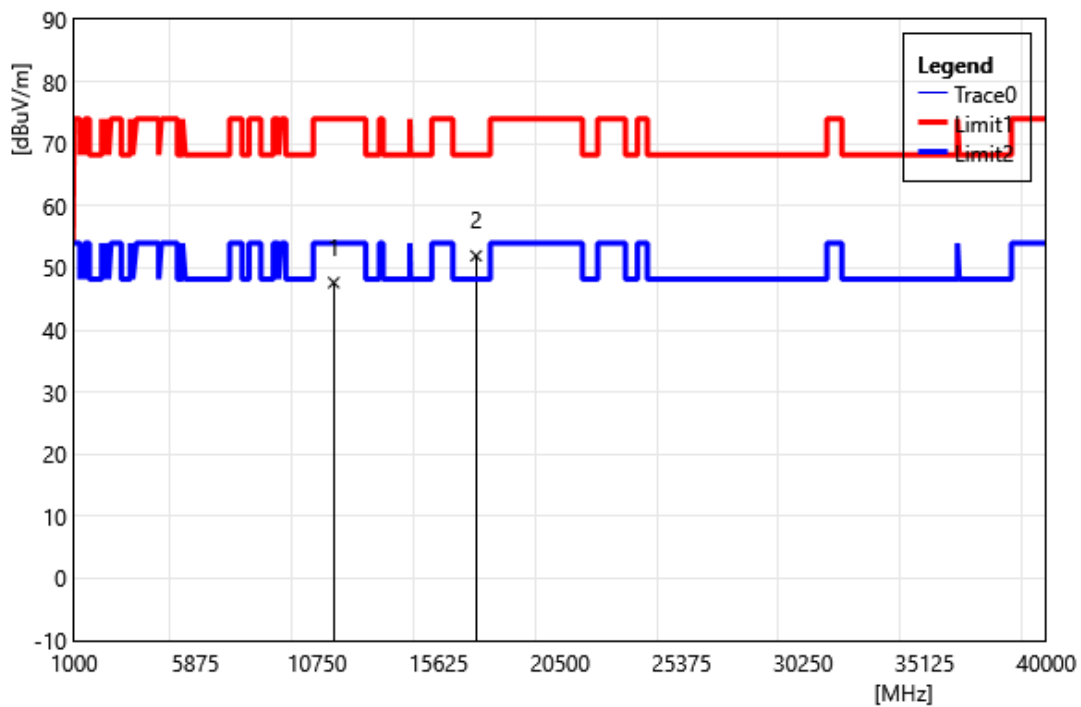
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11340.00         | 34.79           | 12.05                     | 46.84            | 74.00           | -27.16       | PEAK   |
| 2  | 17010.00         | 34.17           | 16.79                     | 50.96            | 68.20           | -17.24       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5710 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



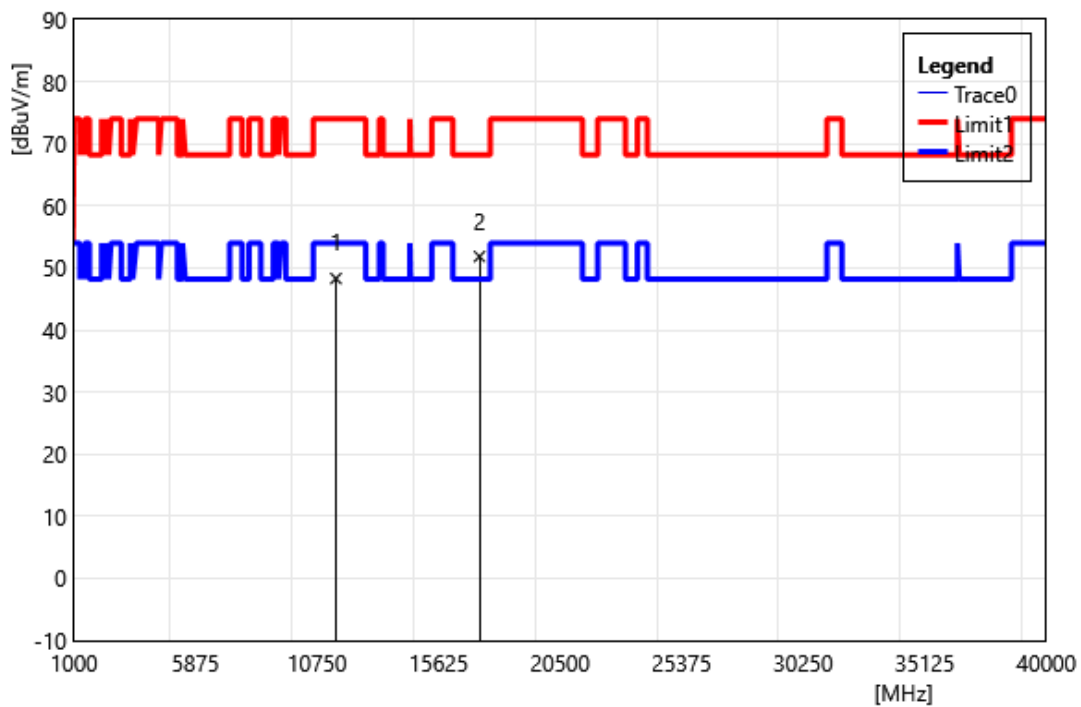
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11420.00         | 35.71           | 12.31                     | 48.02            | 74.00           | -25.98       | PEAK   |
| 2  | 17130.00         | 33.83           | 17.60                     | 51.43            | 68.20           | -16.77       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5710 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



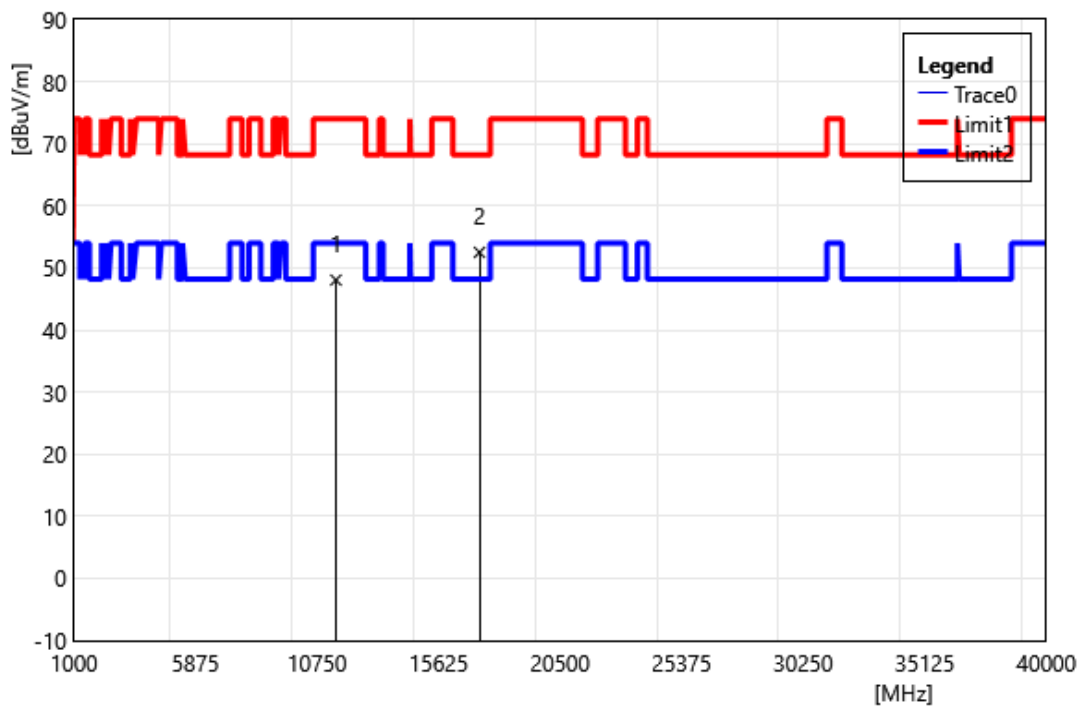
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|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11420.00         | 35.34           | 12.31                     | 47.65            | 74.00           | -26.36       | PEAK   |
| 2  | 17130.00         | 34.35           | 17.60                     | 51.95            | 68.20           | -16.25       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5755 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



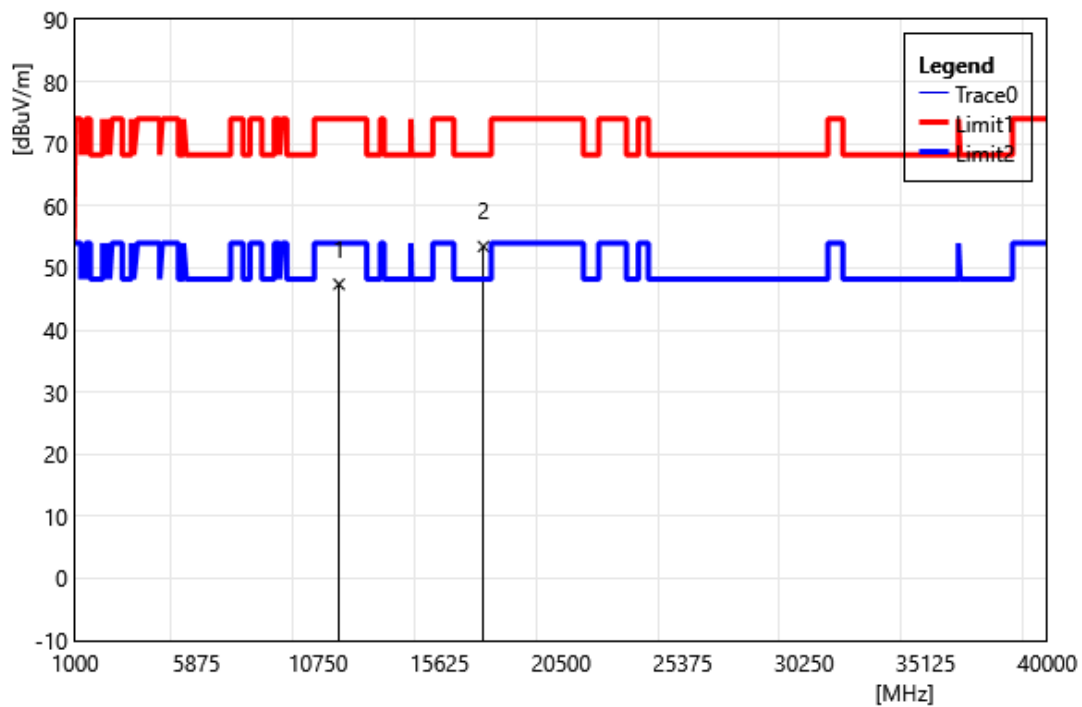
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|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11510.00         | 35.64           | 12.66                     | 48.30            | 74.00           | -25.70       | PEAK   |
| 2  | 17265.00         | 33.12           | 18.73                     | 51.85            | 68.20           | -16.35       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5755 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



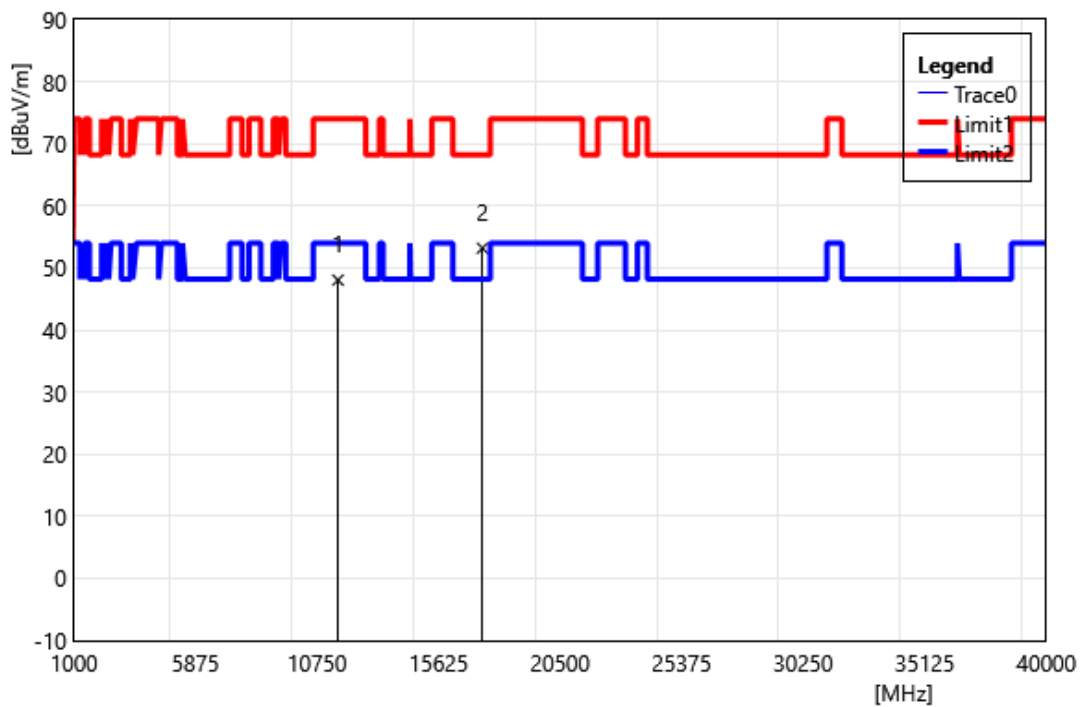
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11510.00         | 35.40           | 12.66                     | 48.06            | 74.00           | -25.94       | PEAK   |
| 2  | 17265.00         | 33.78           | 18.73                     | 52.51            | 68.20           | -15.69       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5795 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



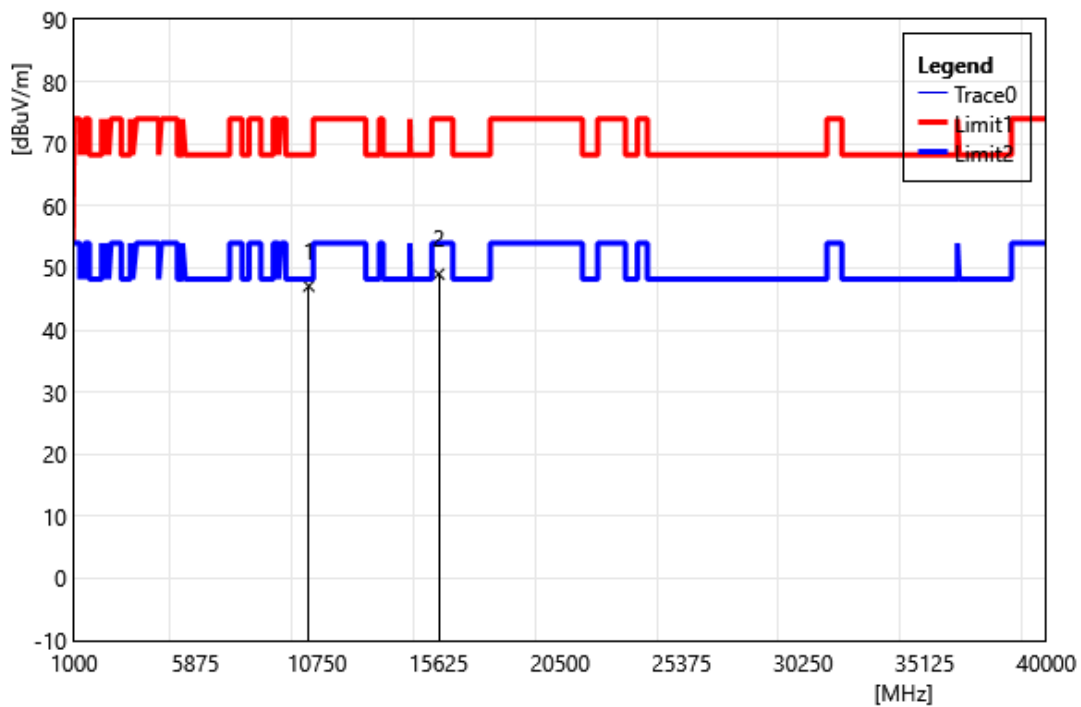
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11590.00         | 35.04           | 12.34                     | 47.38            | 74.00           | -26.62       | PEAK   |
| 2  | 17385.00         | 33.94           | 19.52                     | 53.46            | 68.20           | -14.74       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT40 5795 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



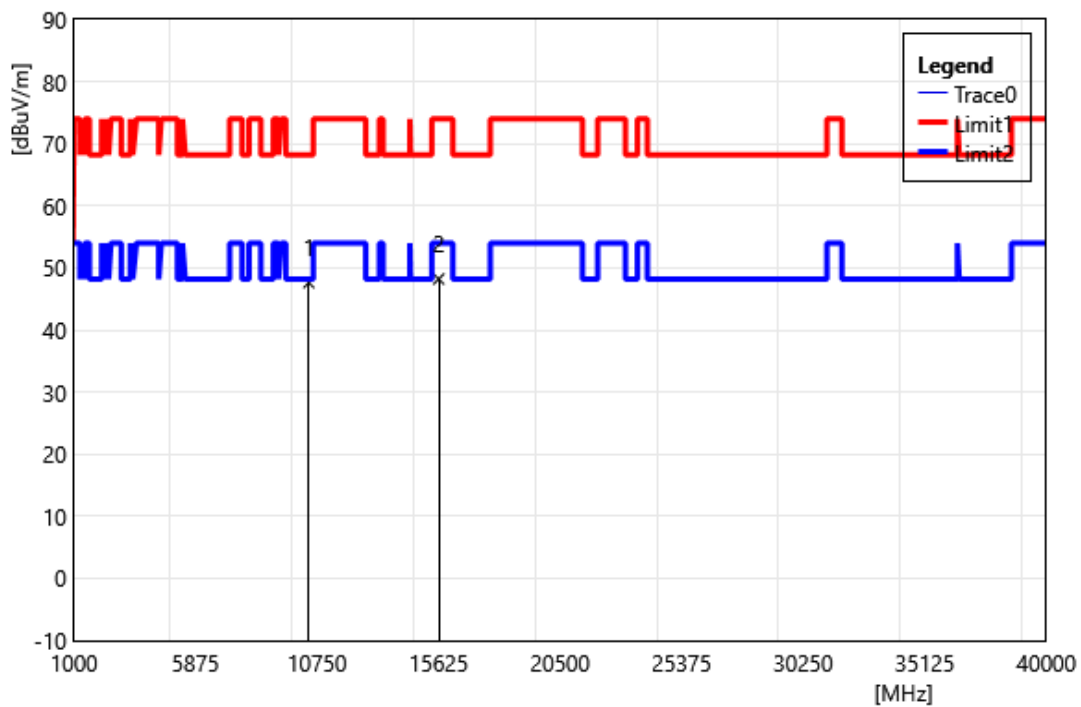
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11590.00         | 35.72           | 12.34                     | 48.06            | 74.00           | -25.94       | PEAK   |
| 2  | 17385.00         | 33.66           | 19.52                     | 53.18            | 68.20           | -15.02       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT80 5210 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



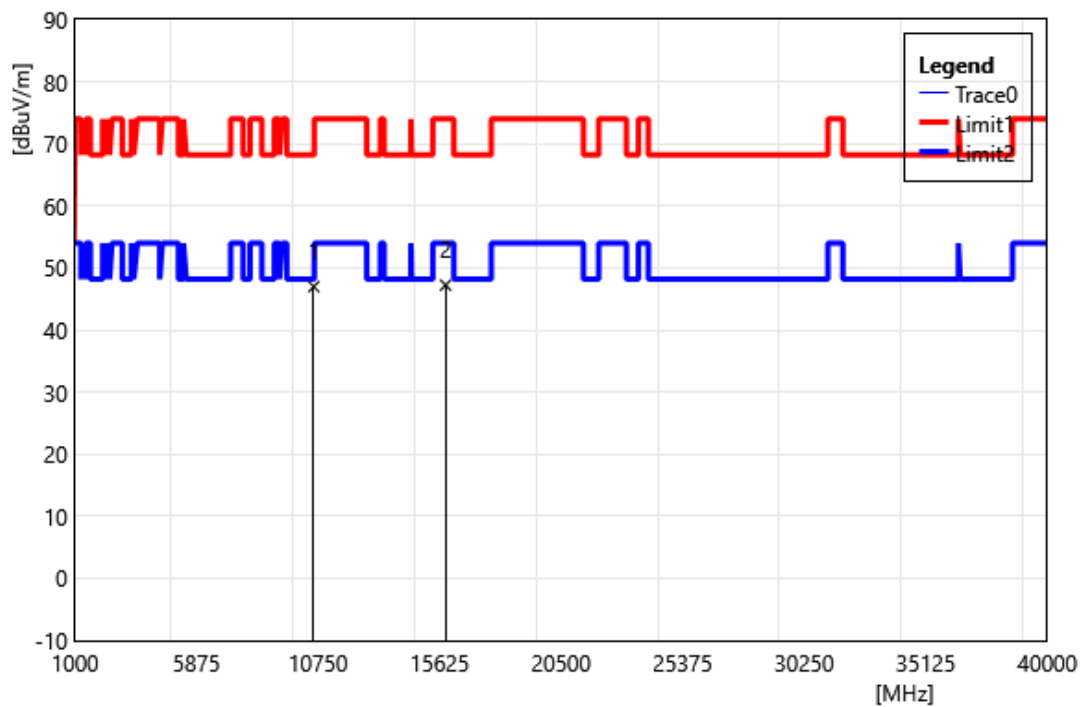
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10420.00         | 35.65           | 11.42                     | 47.07            | 68.20           | -21.13       | PEAK   |
| 2  | 15630.00         | 35.10           | 13.92                     | 49.02            | 74.00           | -24.98       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT80 5210 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



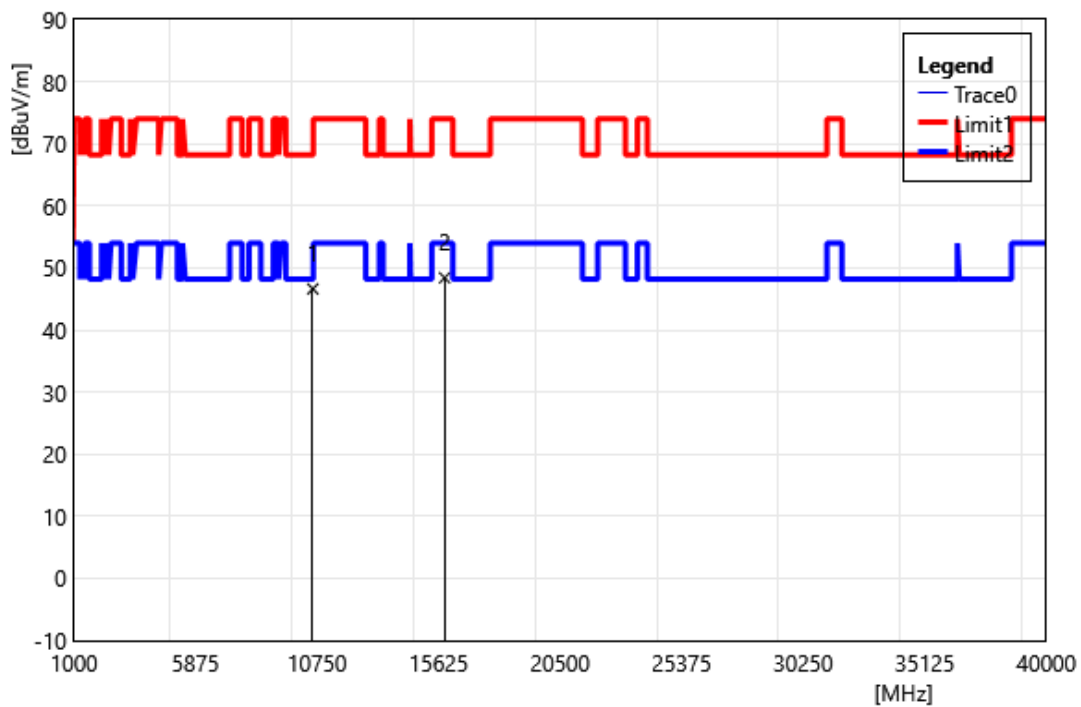
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10420.00         | 36.22           | 11.42                     | 47.64            | 68.20           | -20.56       | PEAK   |
| 2  | 15630.00         | 34.30           | 13.92                     | 48.22            | 74.00           | -25.78       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT80 5290 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



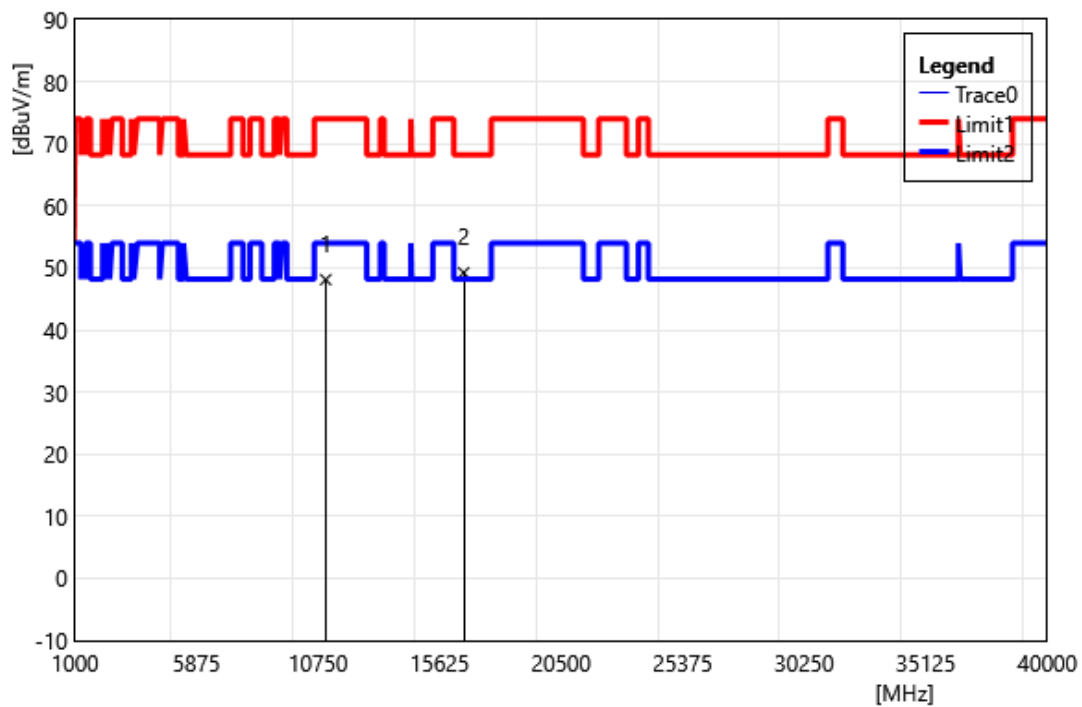
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10580.00         | 35.44           | 11.55                     | 46.99            | 68.20           | -21.21       | PEAK   |
| 2  | 15870.00         | 33.74           | 13.50                     | 47.24            | 74.00           | -26.76       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT80 5290 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



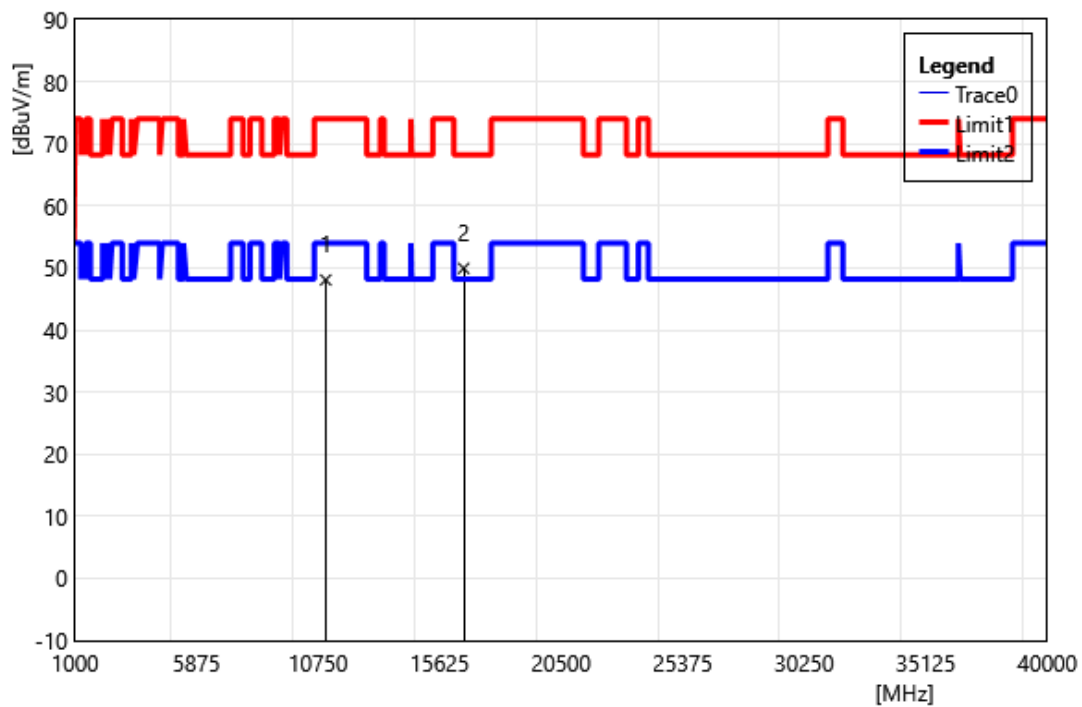
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10580.00         | 35.08           | 11.55                     | 46.63            | 68.20           | -21.57       | PEAK   |
| 2  | 15870.00         | 34.92           | 13.50                     | 48.42            | 74.00           | -25.58       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT80 5530 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



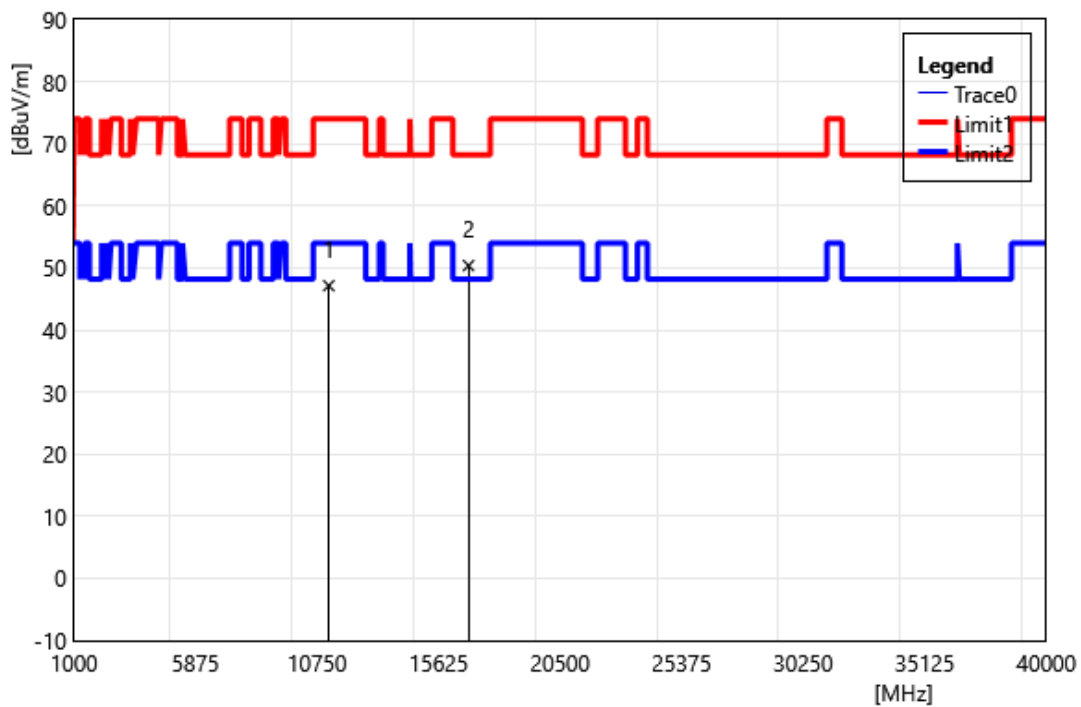
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11060.00         | 36.17           | 11.96                     | 48.13            | 74.00           | -25.87       | PEAK   |
| 2  | 16590.00         | 34.44           | 14.80                     | 49.24            | 68.20           | -18.96       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT80 5530 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



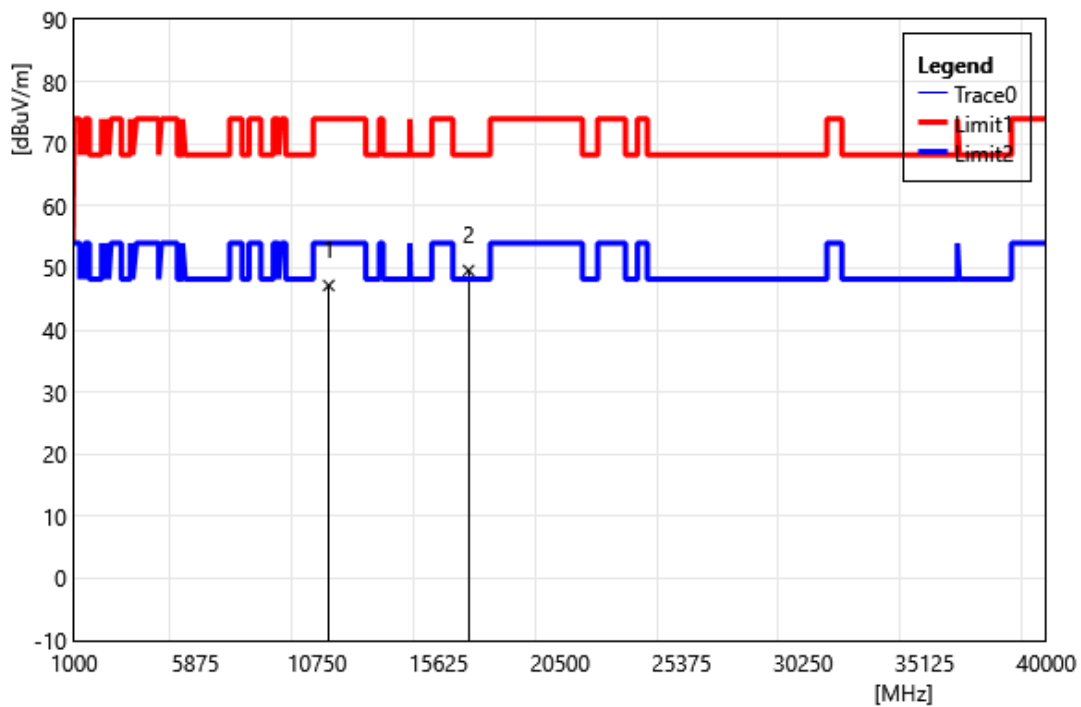
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11060.00         | 36.11           | 11.96                     | 48.07            | 74.00           | -25.93       | PEAK   |
| 2  | 16590.00         | 35.14           | 14.80                     | 49.94            | 68.20           | -18.26       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT80 5610 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



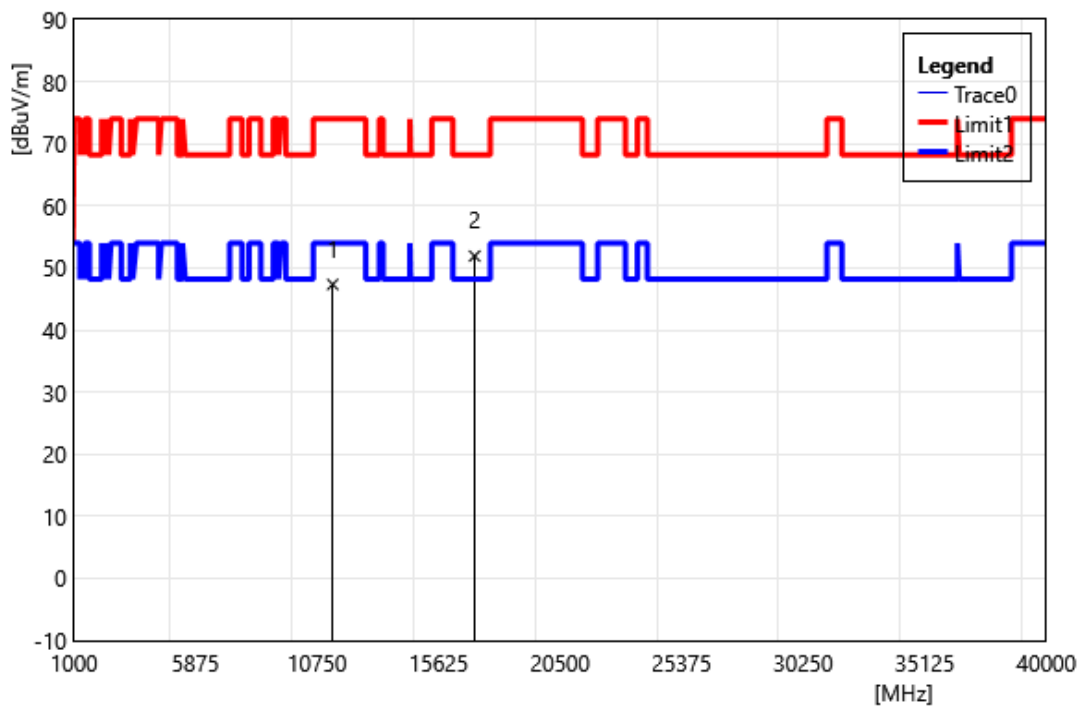
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11220.00         | 35.28           | 11.87                     | 47.15            | 74.00           | -26.85       | PEAK   |
| 2  | 16830.00         | 34.28           | 16.11                     | 50.39            | 68.20           | -17.81       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT80 5610 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



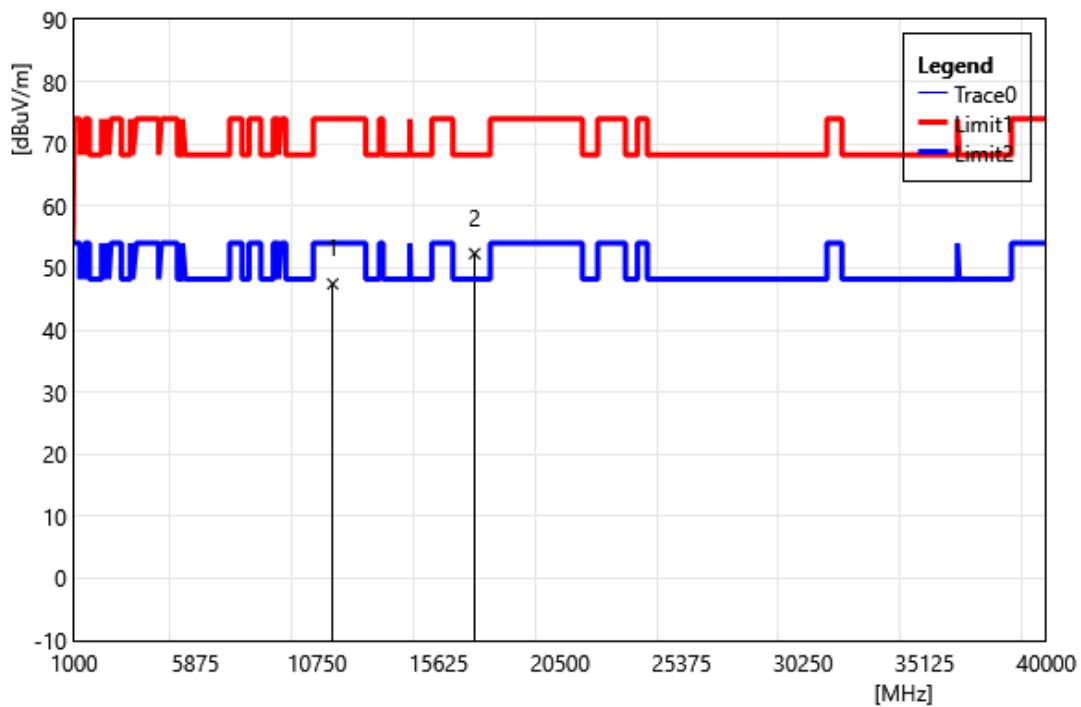
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11220.00         | 35.30           | 11.87                     | 47.17            | 74.00           | -26.83       | PEAK   |
| 2  | 16830.00         | 33.49           | 16.11                     | 49.60            | 68.20           | -18.60       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT80 5690 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



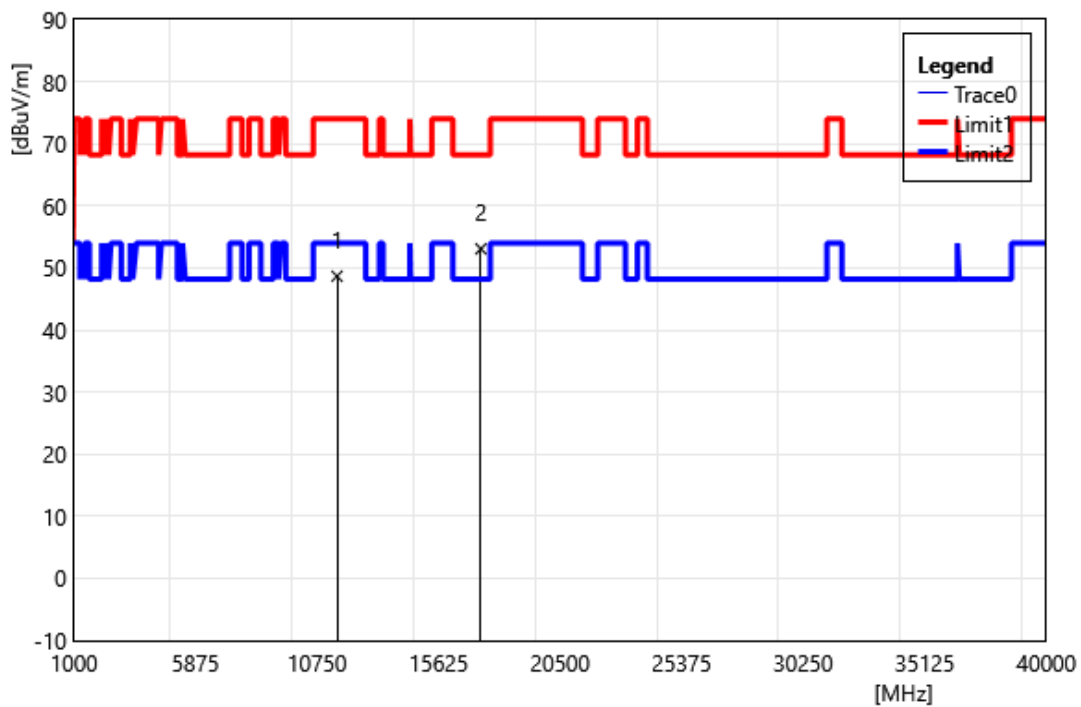
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11380.00         | 35.19           | 12.16                     | 47.35            | 74.00           | -26.65       | PEAK   |
| 2  | 17070.00         | 34.74           | 17.18                     | 51.92            | 68.20           | -16.28       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT80 5690 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



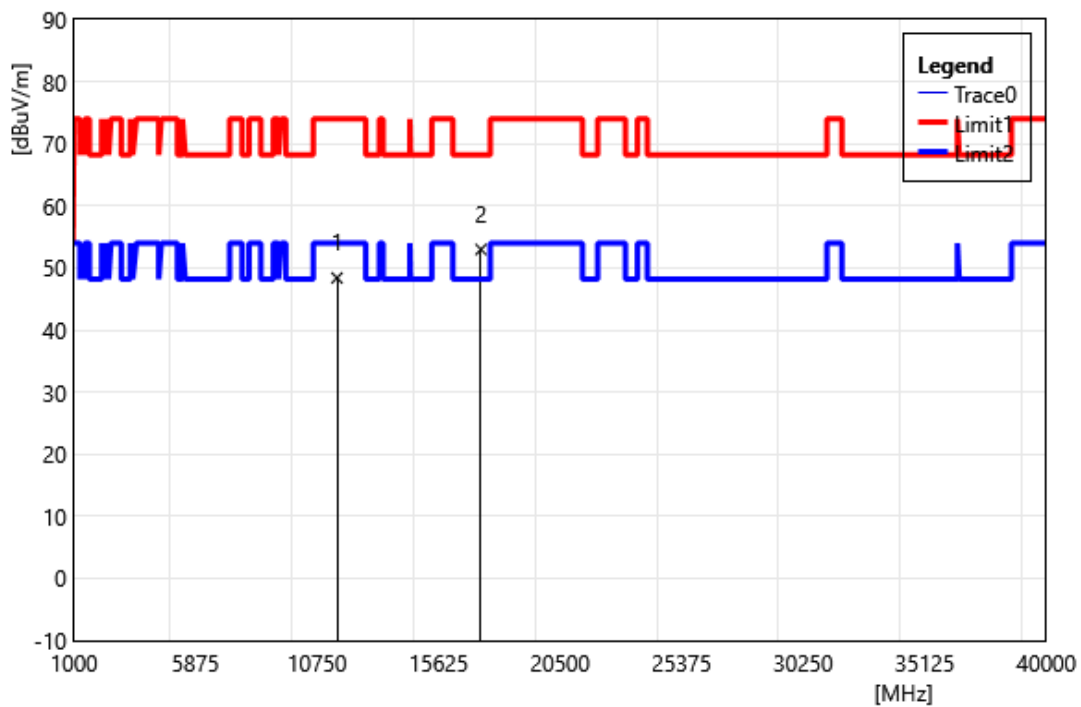
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11380.00         | 35.28           | 12.16                     | 47.44            | 74.00           | -26.56       | PEAK   |
| 2  | 17070.00         | 35.13           | 17.18                     | 52.31            | 68.20           | -15.89       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT80 5775 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



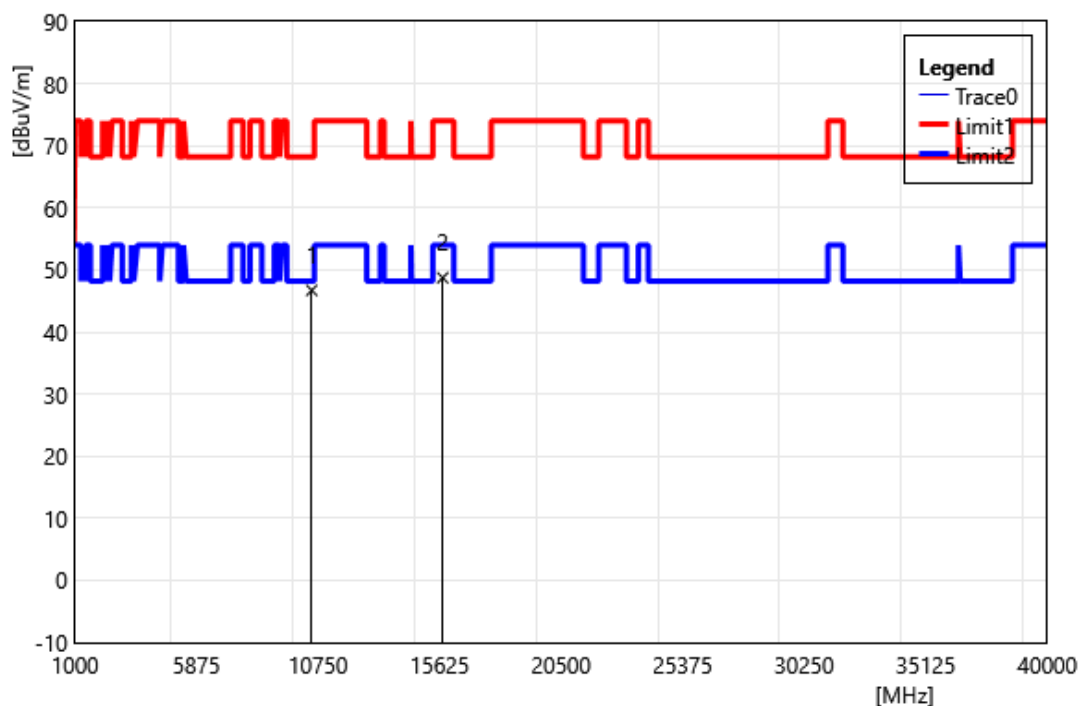
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11550.00         | 36.17           | 12.50                     | 48.67            | 74.00           | -25.33       | PEAK   |
| 2  | 17325.00         | 33.89           | 19.19                     | 53.08            | 68.20           | -15.12       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT80 5775 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



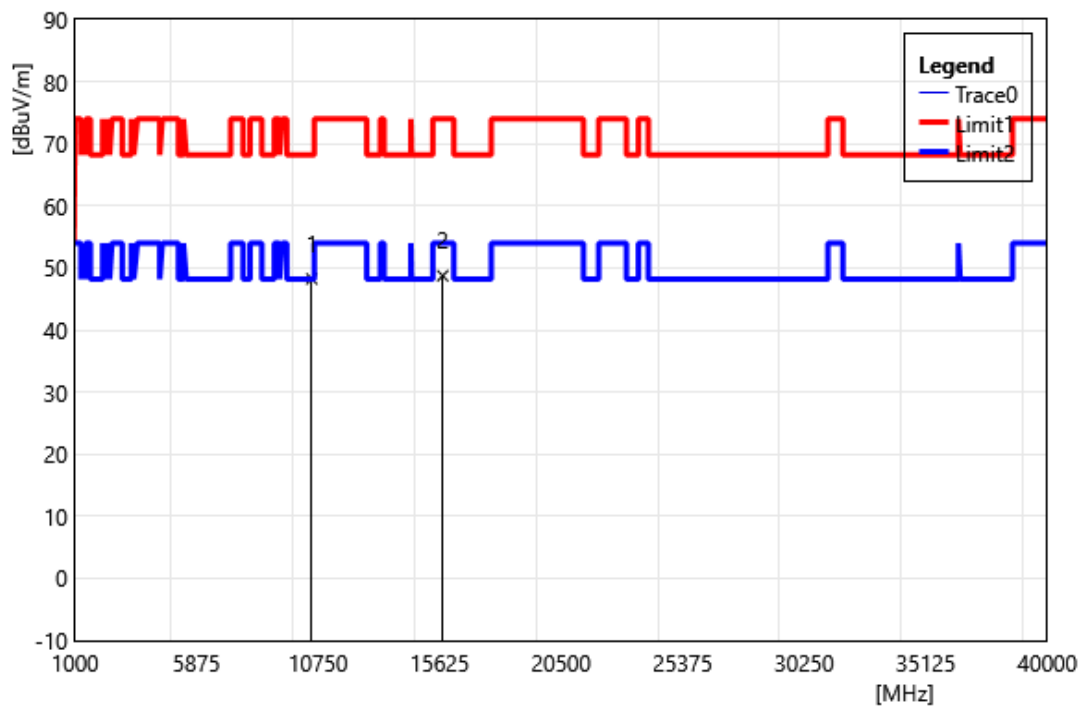
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11550.00         | 35.90           | 12.50                     | 48.40            | 74.00           | -25.60       | PEAK   |
| 2  | 17325.00         | 33.79           | 19.19                     | 52.98            | 68.20           | -15.22       | PEAK   |

|               |                             |           |          |
|---------------|-----------------------------|-----------|----------|
| Test Site:    | 966 Chamber                 | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT160 5250<br>MHz |           |          |
| Polarization: | Vertical                    |           |          |
| Remark:       |                             |           |          |



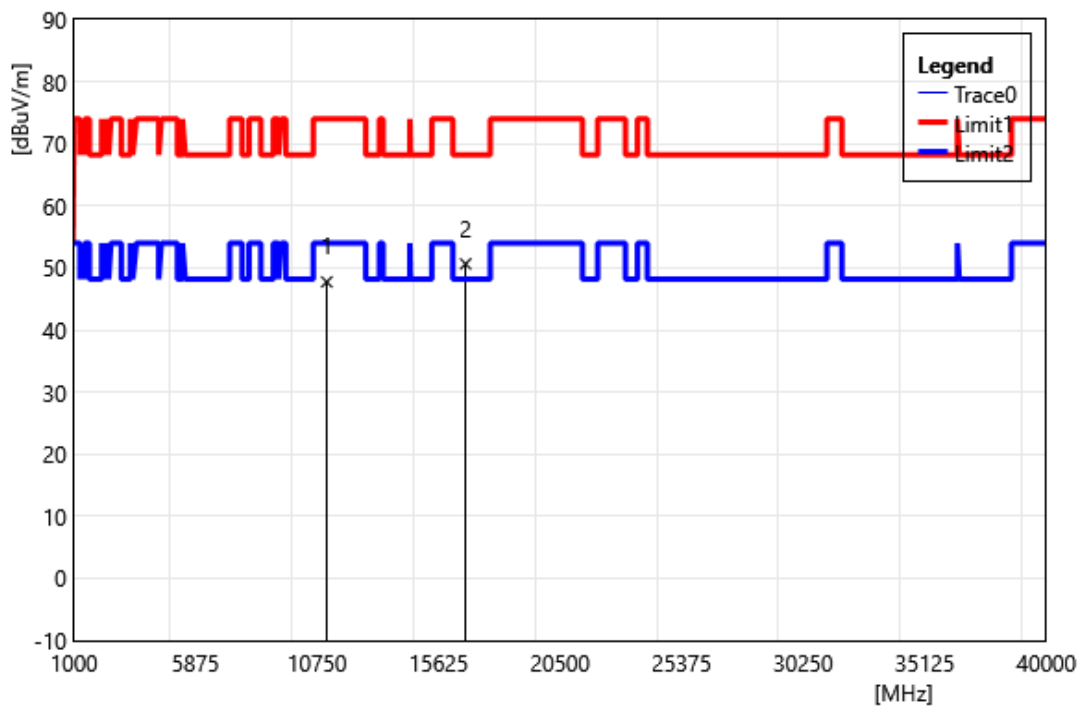
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10500.00         | 35.11           | 11.60                     | 46.71            | 68.20           | -21.49       | PEAK   |
| 2  | 15750.00         | 34.96           | 13.78                     | 48.74            | 74.00           | -25.26       | PEAK   |

|               |                             |           |          |
|---------------|-----------------------------|-----------|----------|
| Test Site:    | 966 Chamber                 | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT160 5250<br>MHz |           |          |
| Polarization: | Horizontal                  |           |          |
| Remark:       |                             |           |          |



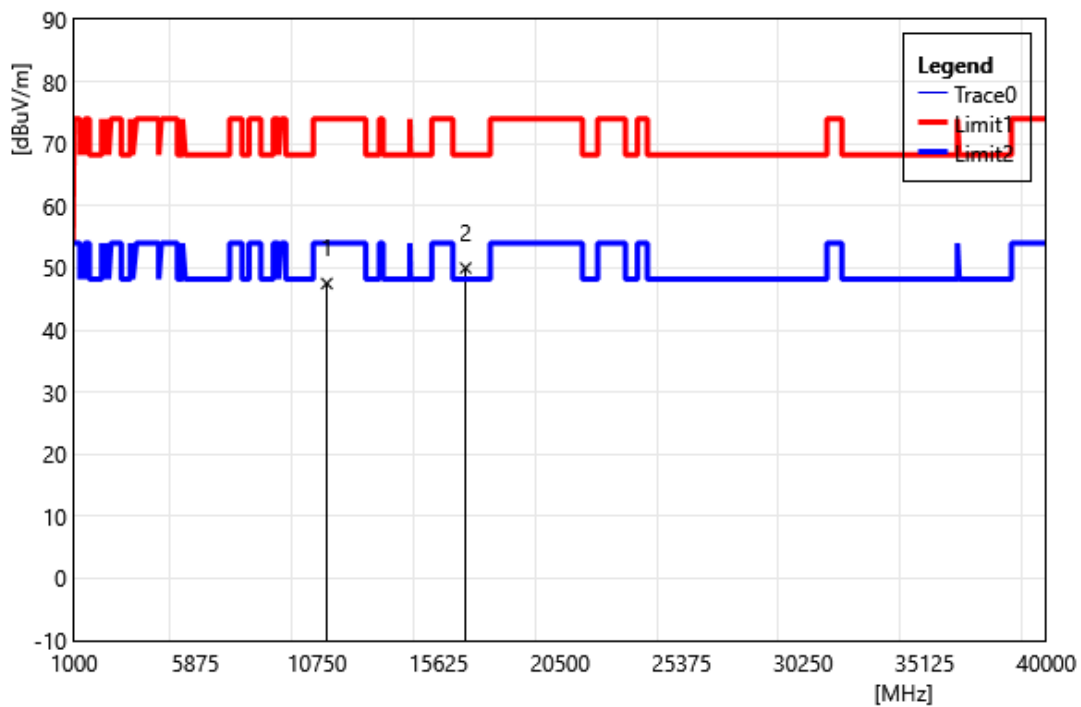
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10500.00         | 36.64           | 11.60                     | 48.24            | 68.20           | -19.96       | PEAK   |
| 2  | 15750.00         | 34.96           | 13.78                     | 48.74            | 74.00           | -25.26       | PEAK   |

|               |                      |           |          |
|---------------|----------------------|-----------|----------|
| Test Site:    | 966 Chamber          | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT160 5570 |           |          |
|               | MHz                  |           |          |
| Polarization: | Vertical             |           |          |
| Remark:       |                      |           |          |



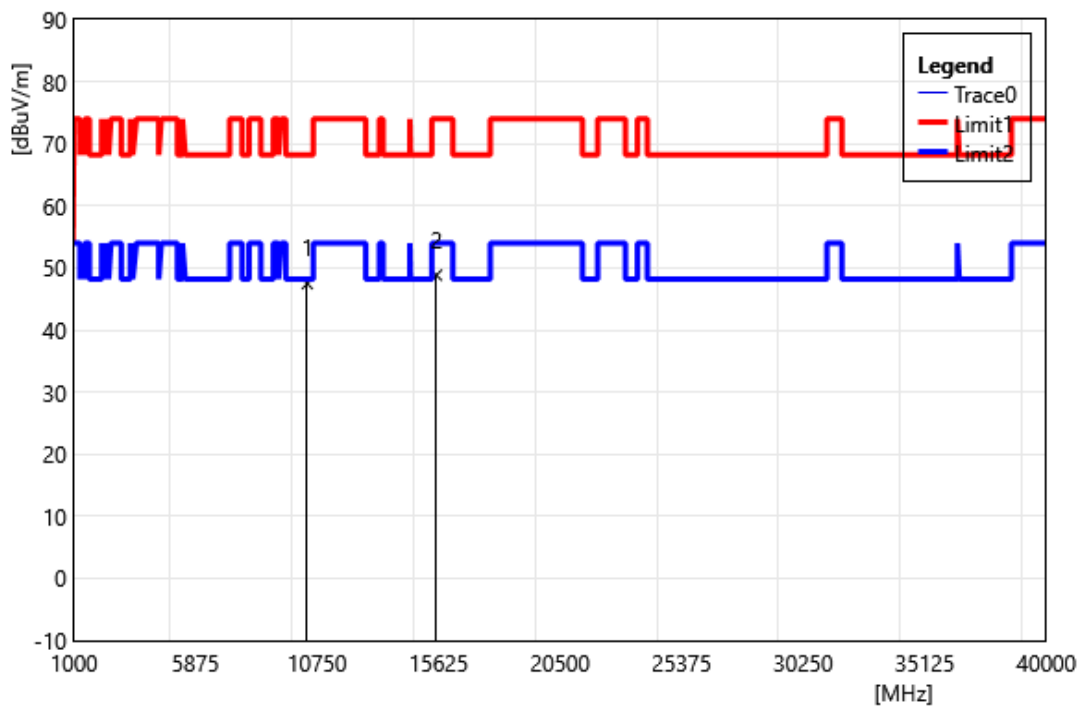
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11140.00         | 35.77           | 11.98                     | 47.75            | 74.00           | -26.25       | PEAK   |
| 2  | 16710.00         | 35.29           | 15.36                     | 50.65            | 68.20           | -17.55       | PEAK   |

|               |                             |           |          |
|---------------|-----------------------------|-----------|----------|
| Test Site:    | 966 Chamber                 | Standard: | Part 15E |
| Test Mode:    | 802.11ac VHT160 5570<br>MHz |           |          |
| Polarization: | Horizontal                  |           |          |
| Remark:       |                             |           |          |



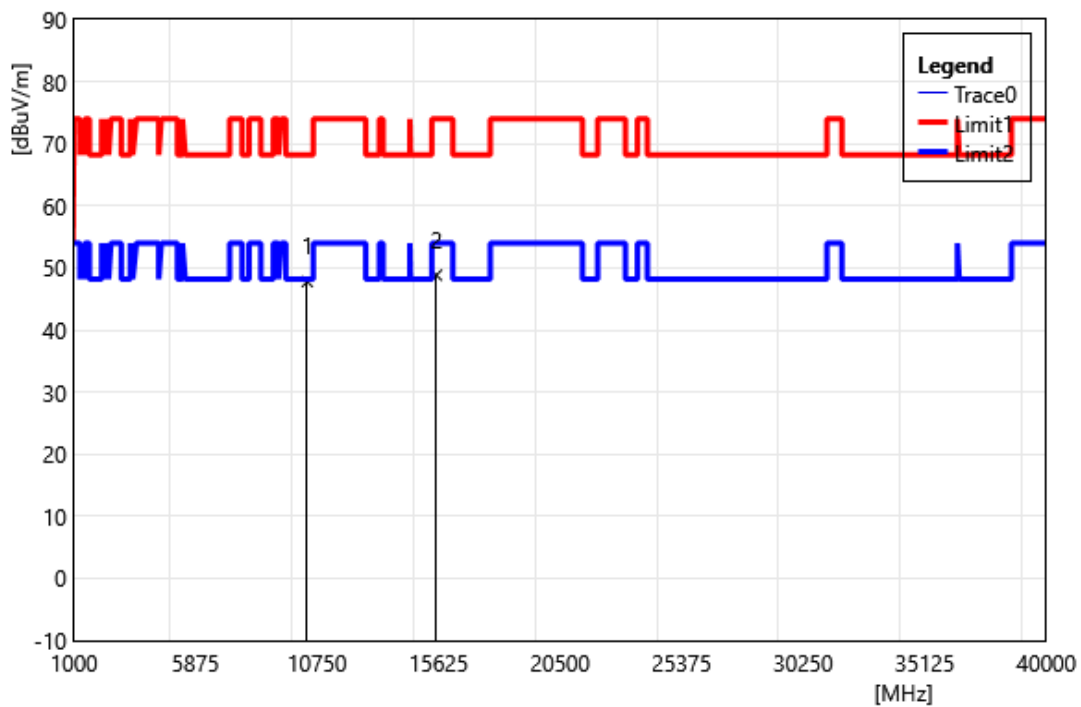
| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 11140.00         | 35.52           | 11.98                     | 47.50            | 74.00           | -26.50       | PEAK   |
| 2  | 16710.00         | 34.62           | 15.36                     | 49.98            | 68.20           | -18.22       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11be EHT20 5180 |           |          |
|               | MHz                 |           |          |
| Polarization: | Vertical            |           |          |
| Remark:       |                     |           |          |



| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10360.00         | 36.31           | 11.17                     | 47.48            | 68.20           | -20.72       | PEAK   |
| 2  | 15540.00         | 34.76           | 14.09                     | 48.85            | 74.00           | -25.15       | PEAK   |

|               |                     |           |          |
|---------------|---------------------|-----------|----------|
| Test Site:    | 966 Chamber         | Standard: | Part 15E |
| Test Mode:    | 802.11be EHT20 5180 |           |          |
|               | MHz                 |           |          |
| Polarization: | Horizontal          |           |          |
| Remark:       |                     |           |          |



| ID | Frequency<br>MHz | Reading<br>dBuV | Correct<br>Factor<br>dB/m | Result<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB | Remark |
|----|------------------|-----------------|---------------------------|------------------|-----------------|--------------|--------|
| 1  | 10360.00         | 36.64           | 11.17                     | 47.81            | 68.20           | -20.39       | PEAK   |
| 2  | 15540.00         | 34.76           | 14.09                     | 48.85            | 74.00           | -25.15       | PEAK   |