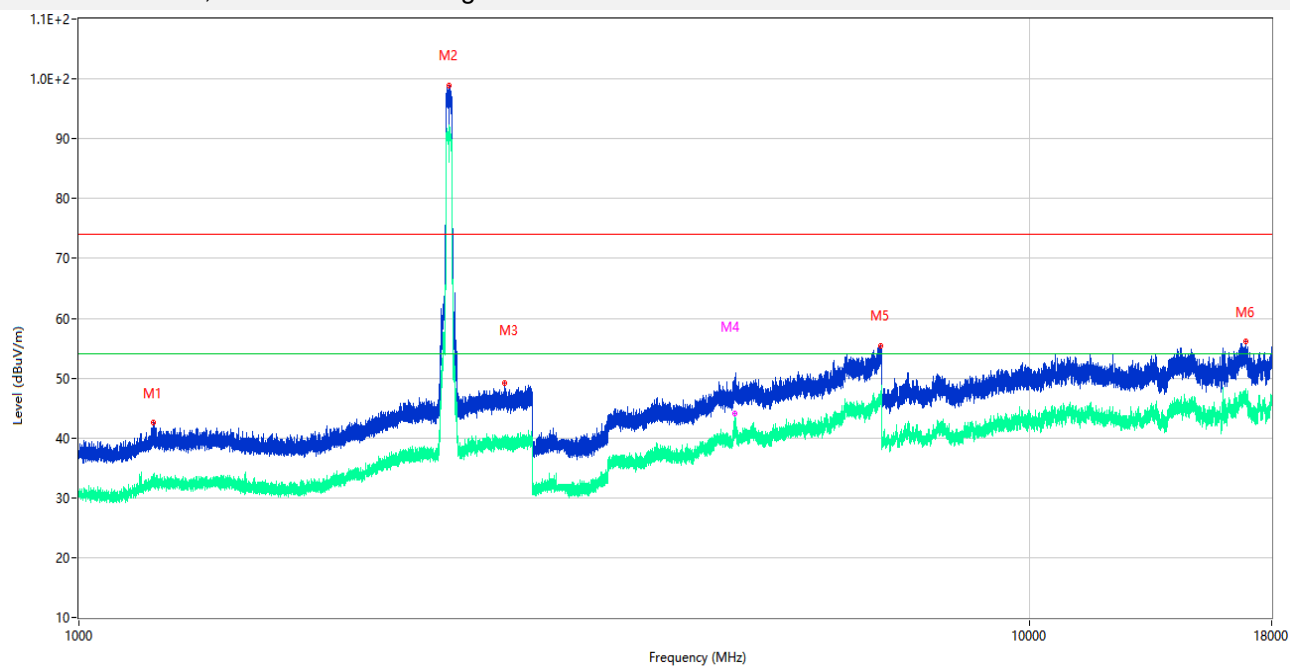
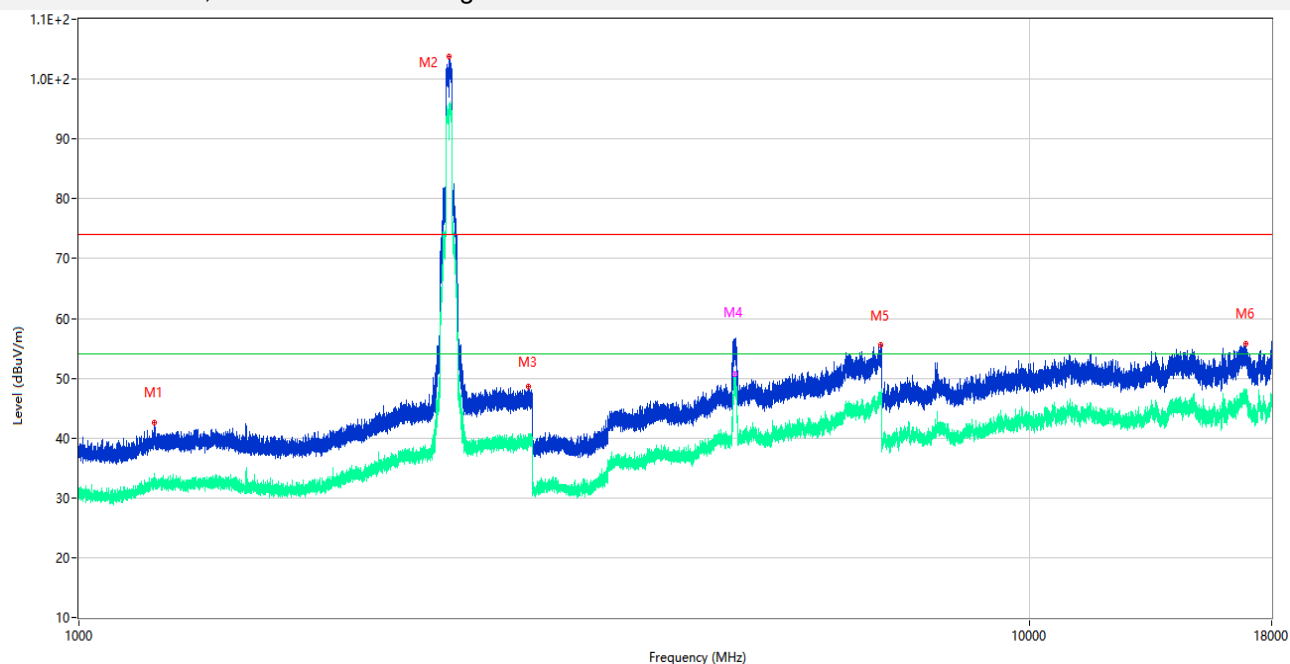


## 1 GHz to 18 GHz, ANT H 802.11n40 High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1198.200        | 42.51            | -17.56      | 74.0           | 31.49       | Peak     | 237.00         | 100         | Horizontal | Pass    |
| 1** | 1198.200        | 31.95            | -17.56      | 54.0           | 22.05       | AV       | 237.00         | 100         | Horizontal | Pass    |
| 2   | 2454.400        | 98.97            | -13.92      | 74.0           | -24.97      | Peak     | 195.00         | 100         | Horizontal | N/A     |
| 2** | 2454.400        | 92.04            | -13.92      | 54.0           | -38.04      | AV       | 195.00         | 100         | Horizontal | N/A     |
| 3   | 2804.800        | 49.09            | -11.93      | 74.0           | 24.91       | Peak     | 301.00         | 100         | Horizontal | Pass    |
| 3** | 2804.800        | 38.66            | -11.93      | 54.0           | 15.34       | AV       | 301.00         | 100         | Horizontal | Pass    |
| 4   | 4903.200        | 47.25            | -6.70       | 74.0           | 26.75       | Peak     | 108.00         | 100         | Horizontal | Pass    |
| 4** | 4903.200        | 44.17            | -6.70       | 54.0           | 9.83        | AV       | 108.00         | 100         | Horizontal | Pass    |
| 5   | 6985.000        | 55.41            | -1.47       | 74.0           | 18.59       | Peak     | 309.00         | 100         | Horizontal | Pass    |
| 5** | 6985.000        | 46.45            | -1.47       | 54.0           | 7.55        | AV       | 309.00         | 100         | Horizontal | Pass    |
| 6   | 16915.350       | 56.05            | 6.88        | 74.0           | 17.95       | Peak     | 268.00         | 100         | Horizontal | Pass    |
| 6** | 16915.350       | 47.02            | 6.88        | 54.0           | 6.98        | AV       | 268.00         | 100         | Horizontal | Pass    |

## 1 GHz to 18 GHz, ANT V 802.11n40 High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1200.800        | 42.56            | -17.05      | 74.0           | 31.44       | Peak     | 238.00         | 100         | Vertical | Pass    |
| 1** | 1200.800        | 32.94            | -17.05      | 54.0           | 21.06       | AV       | 238.00         | 100         | Vertical | Pass    |
| 2   | 2454.600        | 103.71           | -13.97      | 74.0           | -29.71      | Peak     | 132.00         | 100         | Vertical | N/A     |
| 2** | 2454.600        | 95.75            | -13.97      | 54.0           | -41.75      | AV       | 132.00         | 100         | Vertical | N/A     |
| 3   | 2973.500        | 48.61            | -11.01      | 74.0           | 25.39       | Peak     | 269.00         | 100         | Vertical | Pass    |
| 3** | 2973.500        | 39.63            | -11.01      | 54.0           | 14.37       | AV       | 269.00         | 100         | Vertical | Pass    |
| 4   | 4903.200        | 54.83            | -6.70       | 74.0           | 19.17       | Peak     | 158.00         | 100         | Vertical | Pass    |
| 4** | 4903.200        | 50.59            | -6.70       | 54.0           | 3.41        | AV       | 158.00         | 100         | Vertical | Pass    |
| 5   | 6979.200        | 55.53            | -1.22       | 74.0           | 18.47       | Peak     | 97.00          | 200         | Vertical | Pass    |
| 5** | 6979.200        | 46.40            | -1.22       | 54.0           | 7.60        | AV       | 97.00          | 200         | Vertical | Pass    |
| 6   | 16925.324       | 55.82            | 6.50        | 74.0           | 18.18       | Peak     | 220.00         | 100         | Vertical | Pass    |
| 6** | 16925.324       | 47.02            | 6.50        | 54.0           | 6.98        | AV       | 220.00         | 100         | Vertical | Pass    |

## A.7 Band Edge (Restricted-band band-edge)

Note<sup>1</sup>: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

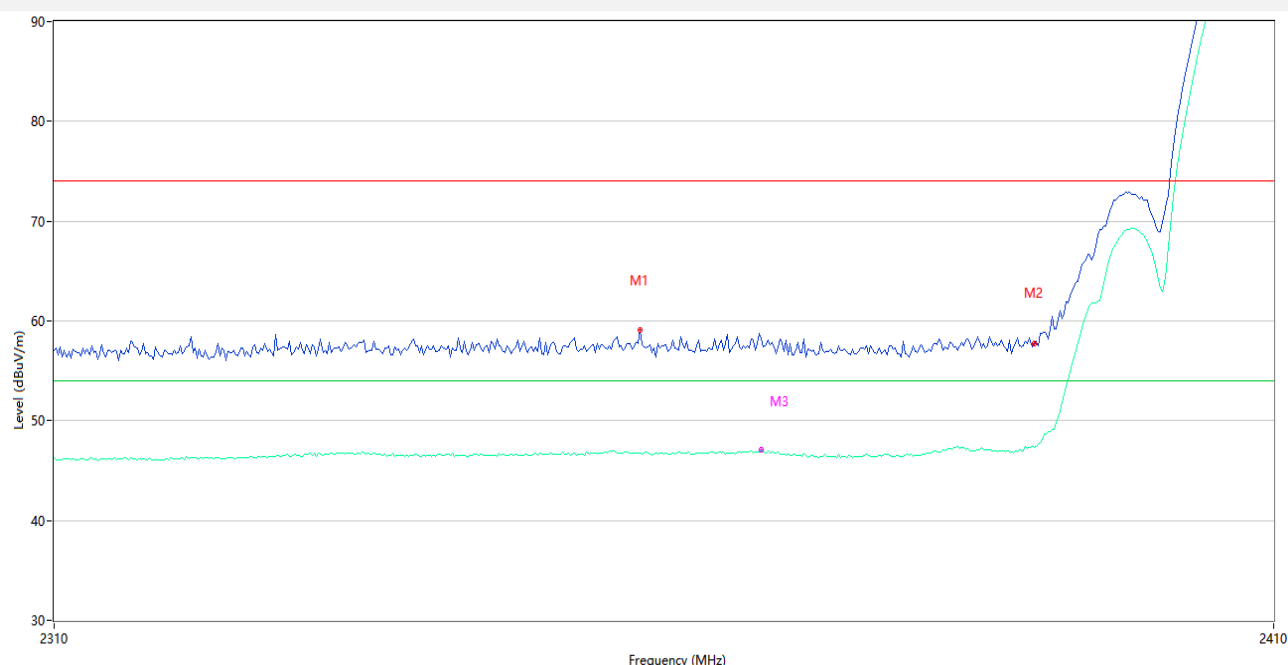
Note<sup>2</sup>: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note<sup>3</sup>: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note<sup>6</sup>: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

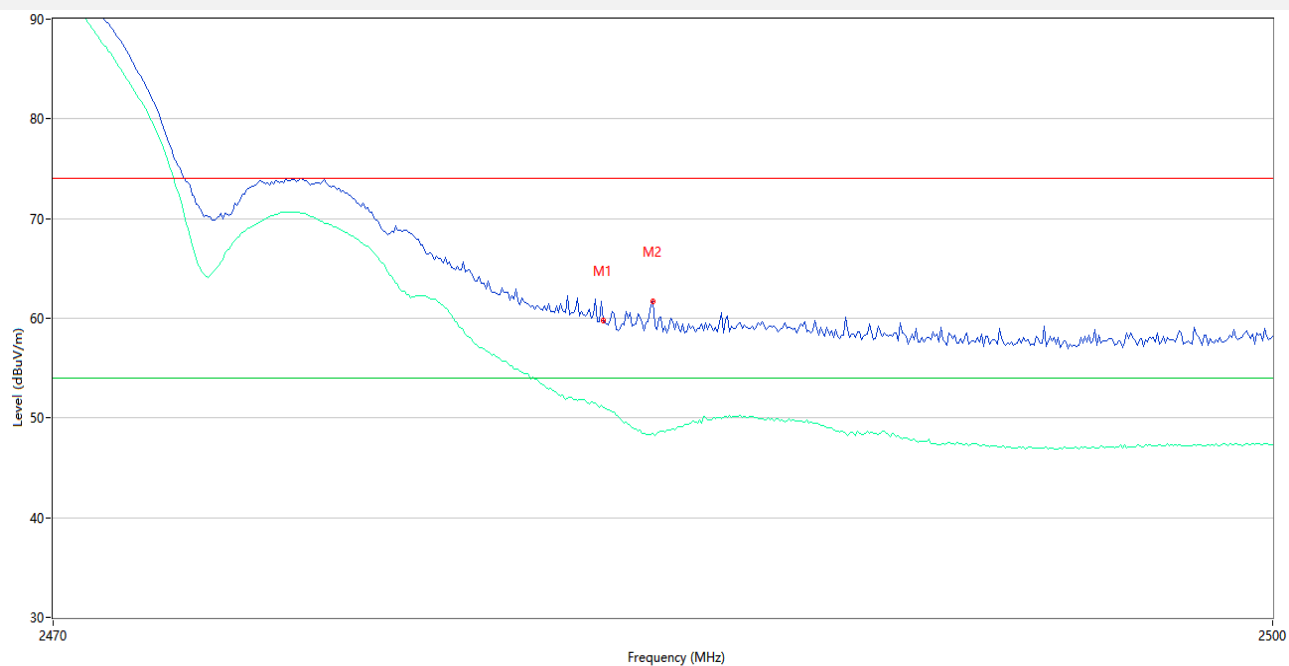
### Test Data

#### 802.11b LOW CHANNEL



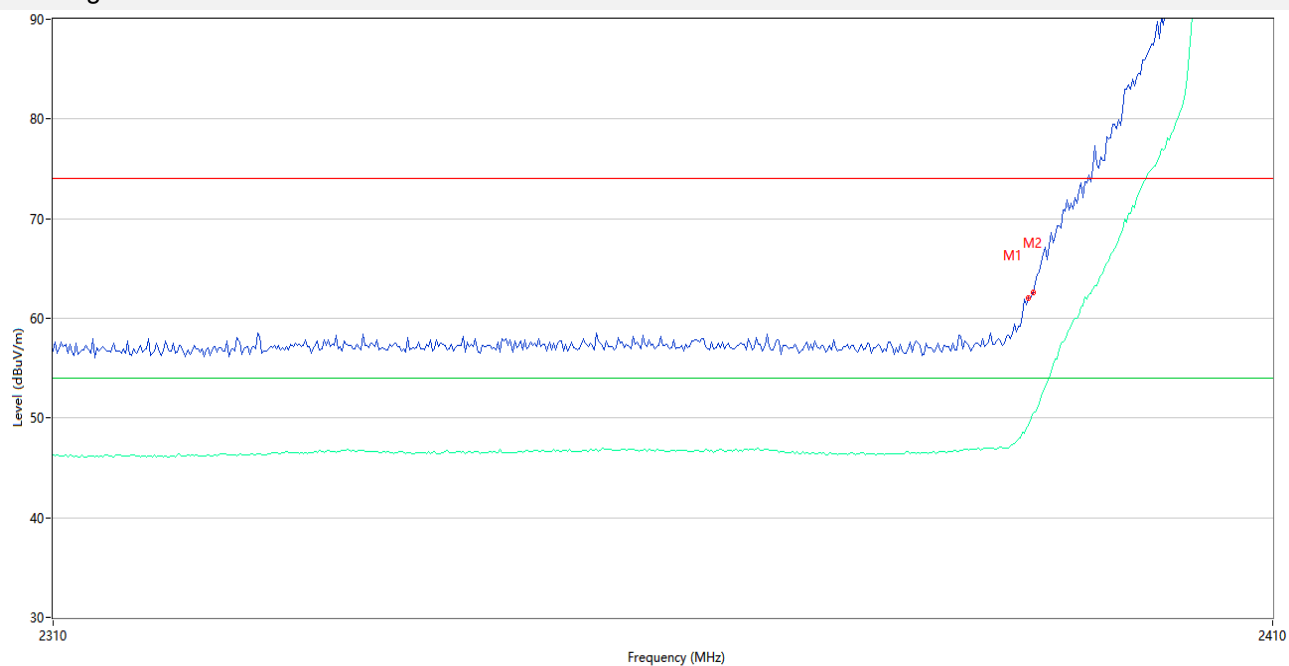
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 2357.500        | 59.12            | 2.85        | 74.0           | 14.88       | Peak     | 358.00         | 100         | Vertical | Pass    |
| 1** | 2357.500        | 46.76            | 2.85        | 54.0           | 7.24        | AV       | 358.00         | 100         | Vertical | Pass    |
| 2   | 2390.000        | 57.78            | 2.59        | 74.0           | 16.22       | Peak     | 119.00         | 100         | Vertical | Pass    |
| 2** | 2390.000        | 47.30            | 2.59        | 54.0           | 6.70        | AV       | 119.00         | 100         | Vertical | Pass    |
| 3   | 2367.500        | 58.20            | 3.02        | 74.0           | 15.80       | Peak     | 76.00          | 150         | Vertical | Pass    |
| 3** | 2367.500        | 47.07            | 3.02        | 54.0           | 6.93        | AV       | 76.00          | 150         | Vertical | Pass    |

## 802.11b HIGH CHANNEL



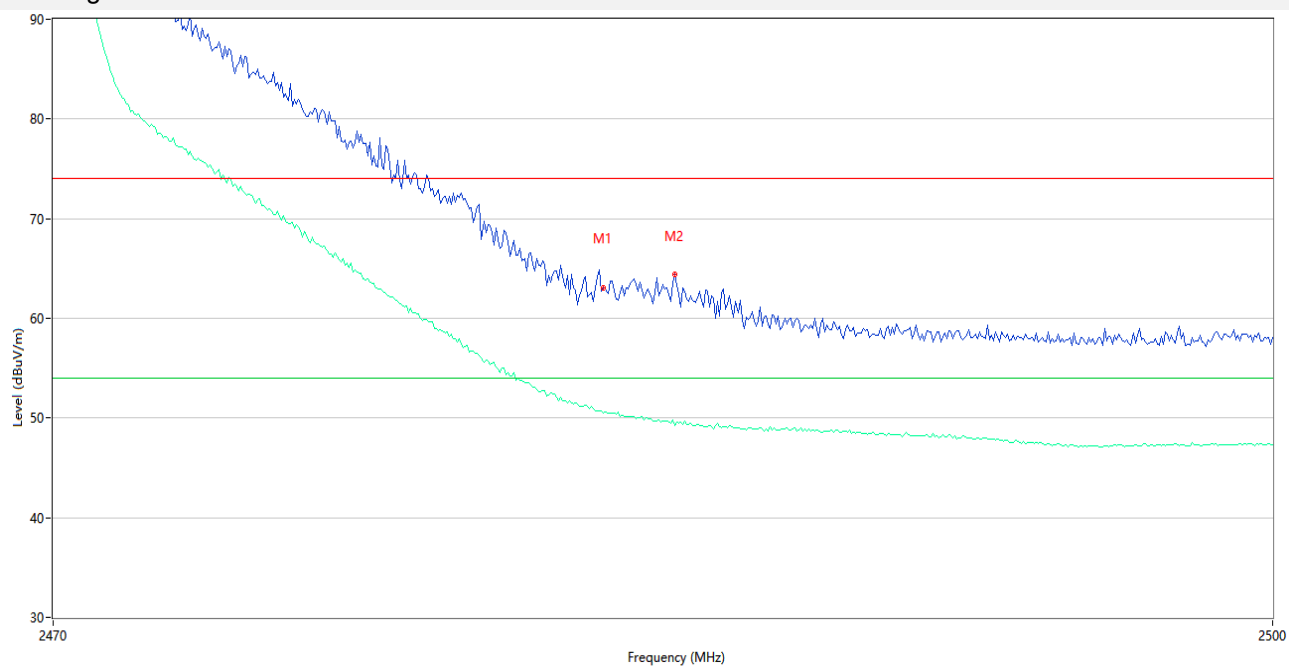
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 2483.500        | 59.72            | 3.22        | 74.0           | 14.28       | Peak     | 294.00         | 400         | Vertical | Pass    |
| 1** | 2483.500        | 51.00            | 3.22        | 54.0           | 3.00        | AV       | 294.00         | 400         | Vertical | Pass    |
| 2   | 2484.700        | 61.68            | 3.16        | 74.0           | 12.32       | Peak     | 93.00          | 200         | Vertical | Pass    |
| 2** | 2484.700        | 48.44            | 3.16        | 54.0           | 5.56        | AV       | 93.00          | 200         | Vertical | Pass    |

## 802.11g LOW CHANNEL



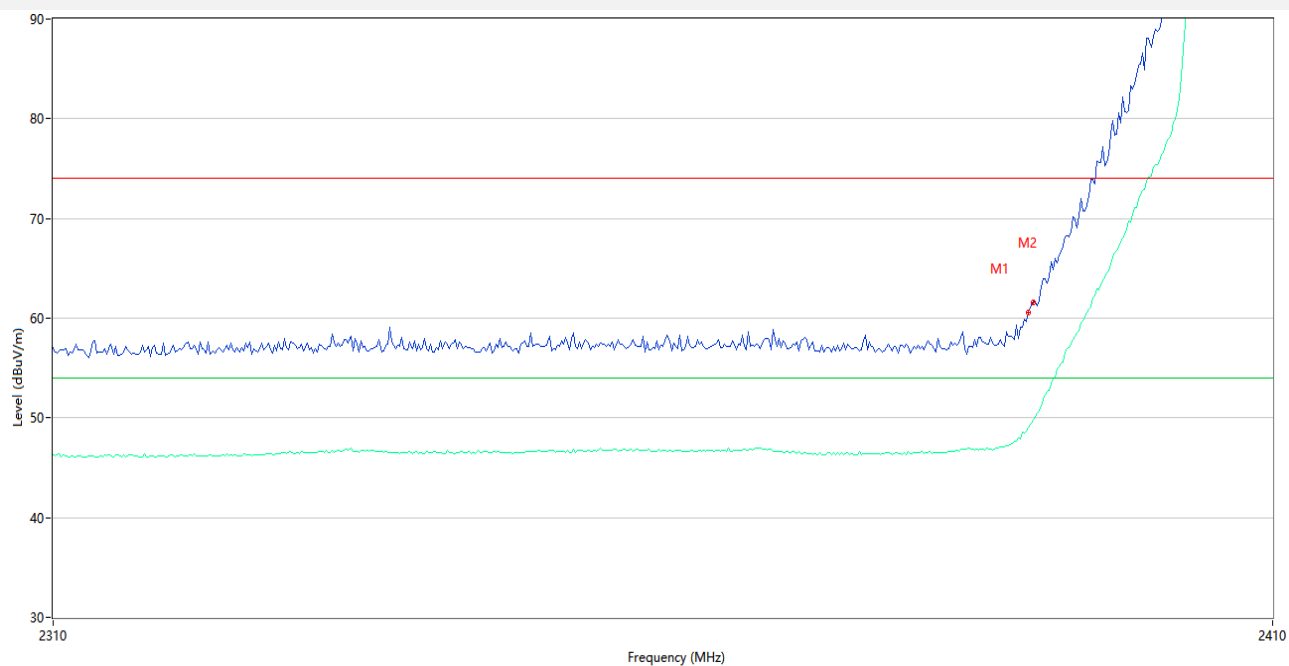
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 2389.667        | 62.06            | 2.59        | 74.0           | 11.94       | Peak     | 245.00         | 300         | Vertical | Pass    |
| 1** | 2389.667        | 49.30            | 2.59        | 54.0           | 4.70        | AV       | 245.00         | 300         | Vertical | Pass    |
| 2   | 2390.000        | 62.57            | 2.59        | 74.0           | 11.43       | Peak     | 258.00         | 300         | Vertical | Pass    |
| 2** | 2390.000        | 50.54            | 2.59        | 54.0           | 3.46        | AV       | 258.00         | 300         | Vertical | Pass    |

## 802.11g HIGH CHANNEL



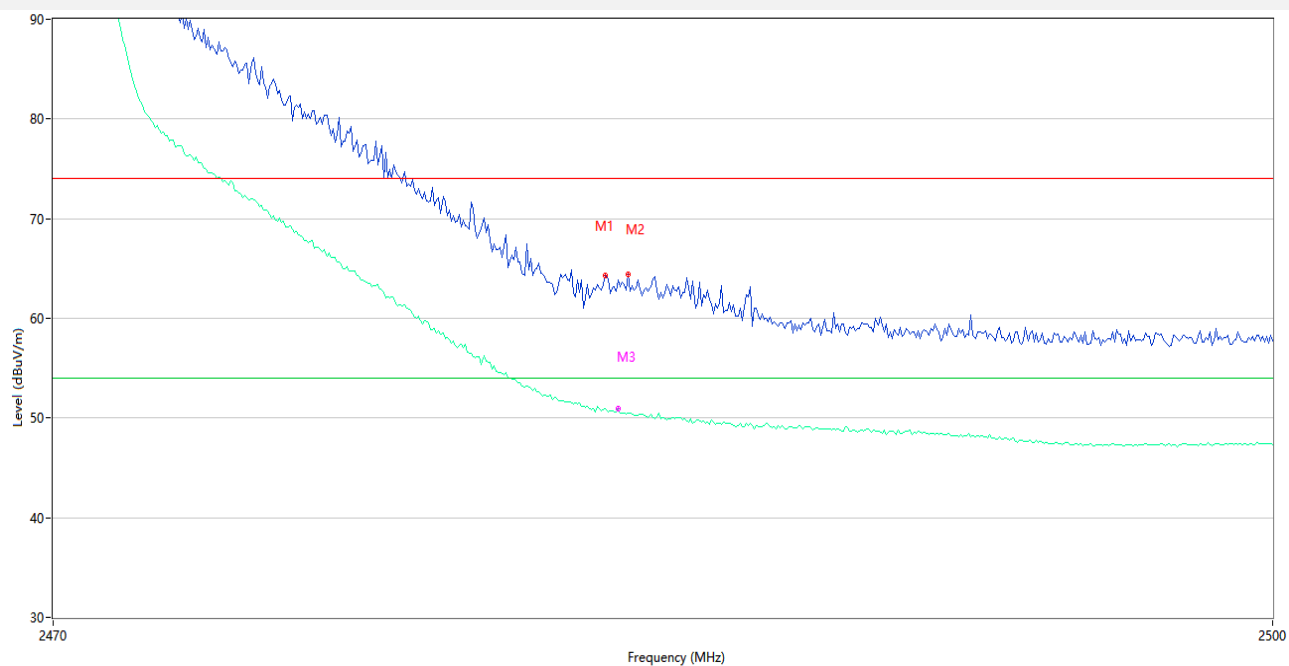
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 2483.500        | 63.06            | 3.22        | 74.0           | 10.94       | Peak     | 72.00          | 400         | Vertical | Pass    |
| 1** | 2483.500        | 50.53            | 3.22        | 54.0           | 3.47        | AV       | 72.00          | 400         | Vertical | Pass    |
| 2   | 2485.250        | 64.41            | 3.09        | 74.0           | 9.59        | Peak     | 91.00          | 100         | Vertical | Pass    |
| 2** | 2485.250        | 49.30            | 3.09        | 54.0           | 4.70        | AV       | 91.00          | 100         | Vertical | Pass    |

## 802.11n20 LOW CHANNEL



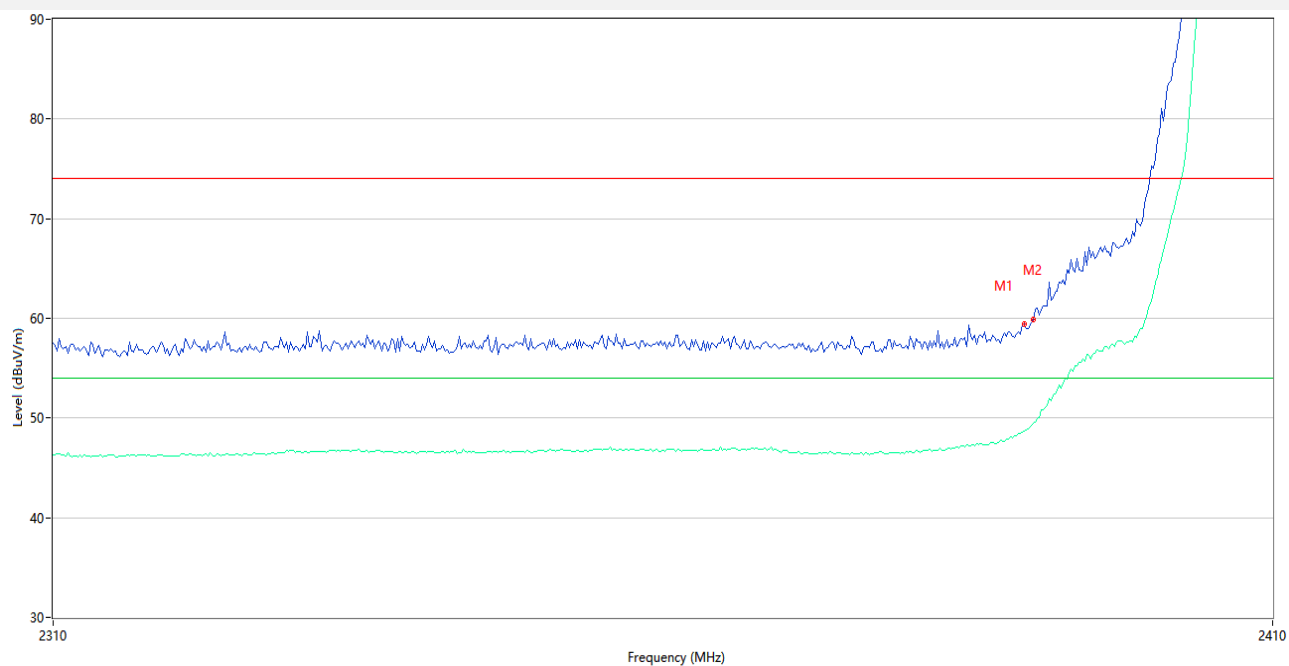
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 2389.667        | 60.59            | 2.59        | 74.0           | 13.41       | Peak     | 84.00          | 200         | Vertical | Pass    |
| 1** | 2389.667        | 49.06            | 2.59        | 54.0           | 4.94        | AV       | 84.00          | 200         | Vertical | Pass    |
| 2   | 2390.000        | 61.62            | 2.59        | 74.0           | 12.38       | Peak     | 83.00          | 400         | Vertical | Pass    |
| 2** | 2390.000        | 49.77            | 2.59        | 54.0           | 4.23        | AV       | 83.00          | 400         | Vertical | Pass    |

## 802.11n20 HIGH CHANNEL



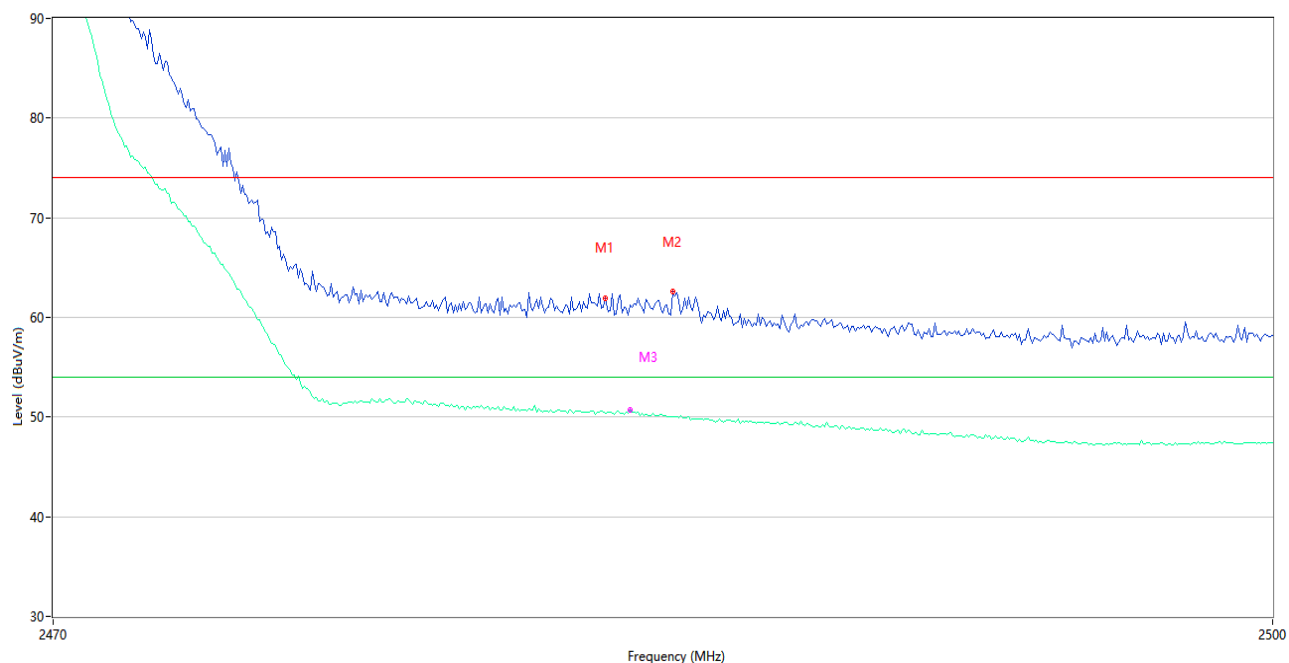
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 2483.500        | 64.25            | 3.22        | 74.0           | 9.75        | Peak     | 80.00          | 300         | Vertical | Pass    |
| 1** | 2483.500        | 50.94            | 3.22        | 54.0           | 3.06        | AV       | 80.00          | 300         | Vertical | Pass    |
| 2   | 2484.100        | 64.40            | 3.22        | 74.0           | 9.60        | Peak     | 80.00          | 200         | Vertical | Pass    |
| 2** | 2484.100        | 50.46            | 3.22        | 54.0           | 3.54        | AV       | 80.00          | 200         | Vertical | Pass    |
| 3   | 2483.850        | 63.83            | 3.22        | 74.0           | 10.17       | Peak     | 80.00          | 150         | Vertical | Pass    |
| 3** | 2483.850        | 50.99            | 3.22        | 54.0           | 3.01        | AV       | 80.00          | 150         | Vertical | Pass    |

## 802.11n40 LOW CHANNEL



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 2389.333        | 59.48            | 2.58        | 74.0           | 14.52       | Peak     | 252.00         | 100         | Vertical | Pass    |
| 1** | 2389.333        | 48.65            | 2.58        | 54.0           | 5.35        | AV       | 252.00         | 100         | Vertical | Pass    |
| 2   | 2390.000        | 59.92            | 2.59        | 74.0           | 14.08       | Peak     | 269.00         | 100         | Vertical | Pass    |
| 2** | 2390.000        | 49.44            | 2.59        | 54.0           | 4.56        | AV       | 269.00         | 100         | Vertical | Pass    |

## 802.11n40 HIGH CHANNEL



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 2483.500        | 61.98            | 3.22        | 74.0           | 12.02       | Peak     | 78.00          | 300         | Vertical | Pass    |
| 1** | 2483.500        | 50.42            | 3.22        | 54.0           | 3.58        | AV       | 78.00          | 300         | Vertical | Pass    |
| 2   | 2485.200        | 62.60            | 3.10        | 74.0           | 11.40       | Peak     | 78.00          | 400         | Vertical | Pass    |
| 2** | 2485.200        | 50.05            | 3.10        | 54.0           | 3.95        | AV       | 78.00          | 400         | Vertical | Pass    |
| 3   | 2484.150        | 61.21            | 3.22        | 74.0           | 12.79       | Peak     | 241.00         | 150         | Vertical | Pass    |
| 3** | 2484.150        | 50.66            | 3.22        | 54.0           | 3.34        | AV       | 241.00         | 150         | Vertical | Pass    |

## A.8 Power Spectral Density (PSD)

### Test Data

#### 802.11b Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -13.339                              | 8                |
| Middle  | -13.46                               | 8                |
| High    | -12.528                              | 8                |

#### 802.11g Mode:

| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -11.566                              | 8                |
| Middle  | -10.09                               | 8                |
| High    | -9.874                               | 8                |

#### 802.11n-20 MHz Mode:

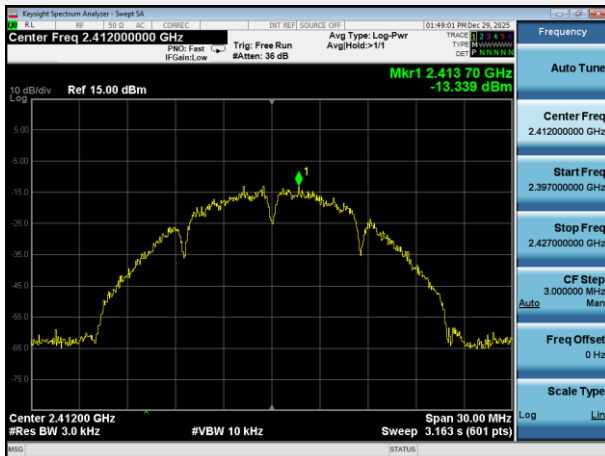
| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -12.376                              | 8                |
| Middle  | -11.829                              | 8                |
| High    | -11.053                              | 8                |

#### 802.11n-40 MHz Mode:

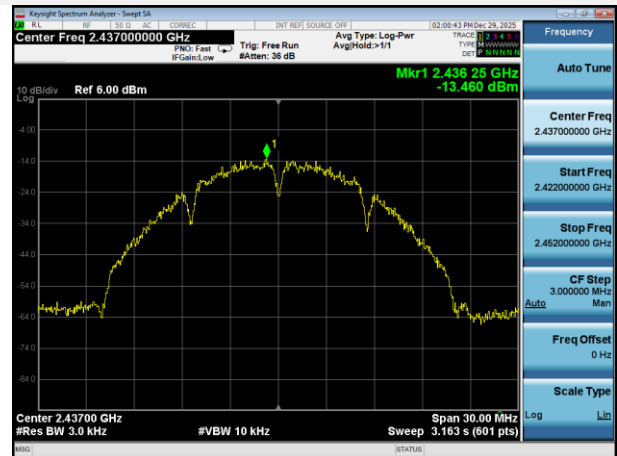
| Channel | Spectral power density<br>(dBm/3kHz) | Limit (dBm/3kHz) |
|---------|--------------------------------------|------------------|
| Low     | -12.386                              | 8                |
| Middle  | -12.07                               | 8                |
| High    | -14.257                              | 8                |

## Test Plots

802.11b LOW CHANNEL



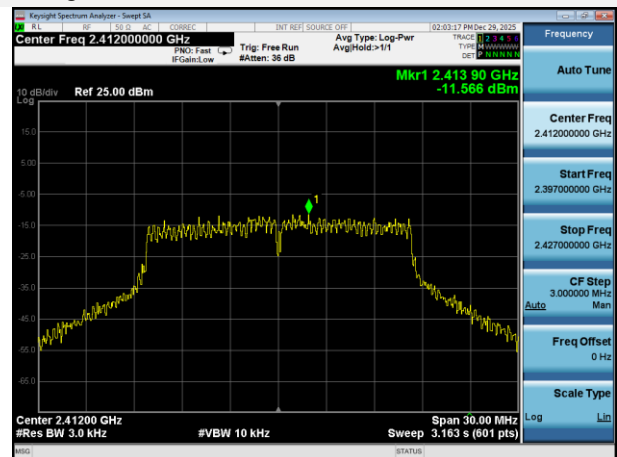
802.11b MIDDLE CHANNEL



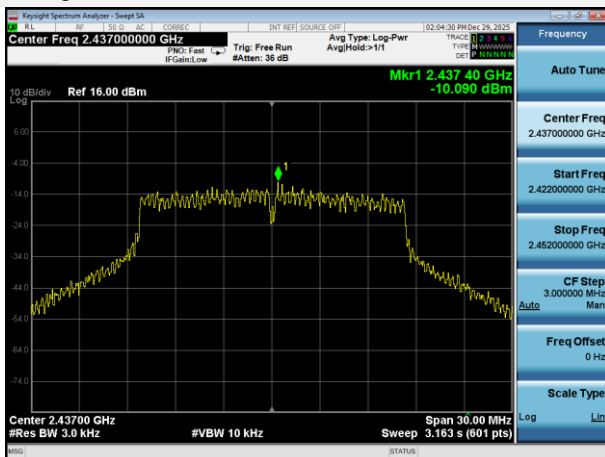
802.11b HIGH CHANNEL



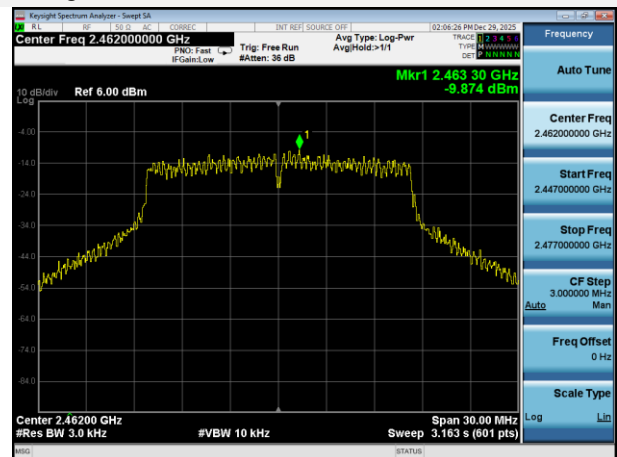
802.11g LOW CHANNEL



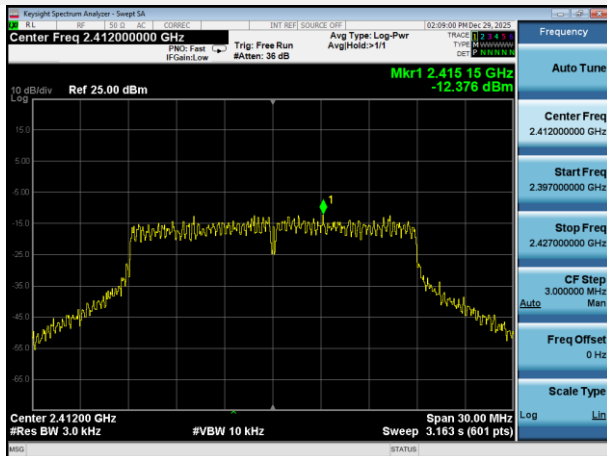
802.11g MIDDLE CHANNEL



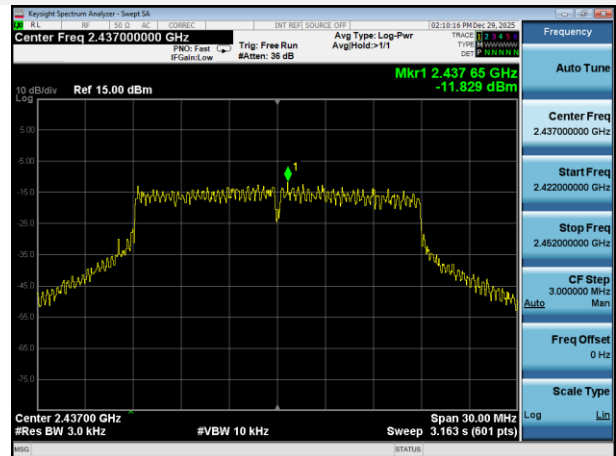
802.11g HIGH CHANNEL



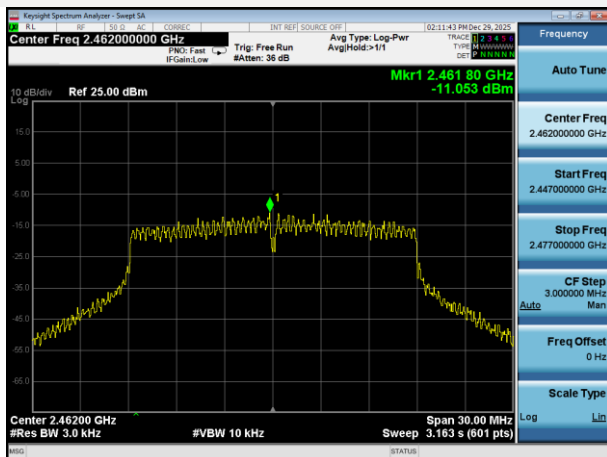
## 802.11n-20 MHz LOW CHANNEL



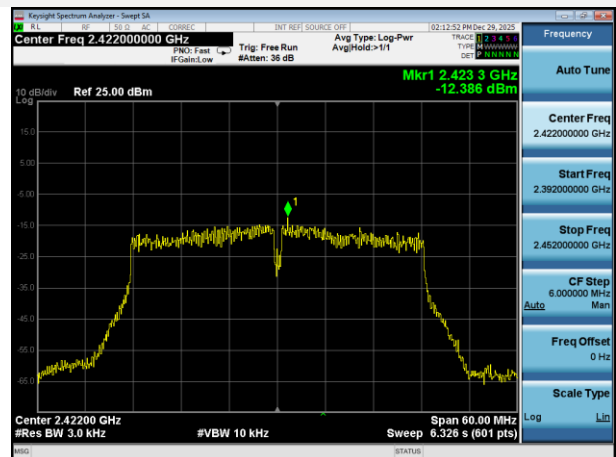
## 802.11n-20 MHz MIDDLE CHANNEL



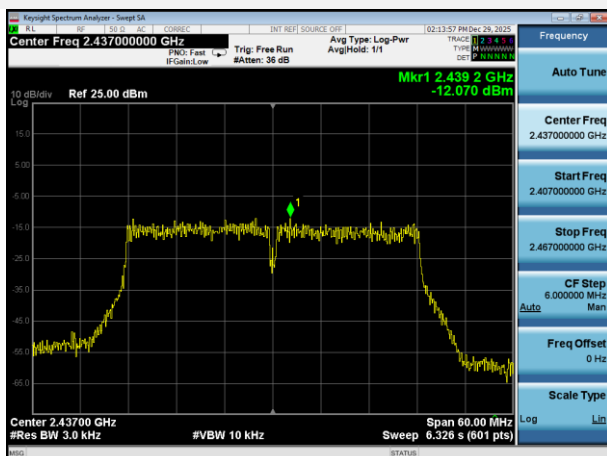
## 802.11n-20 MHz HIGH CHANNEL



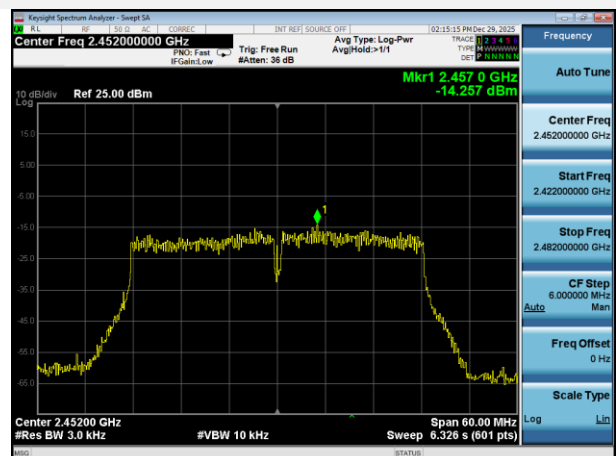
## 802.11n-40 MHz LOW CHANNEL



## 802.11n-40 MHz MIDDLE CHANNEL



## 802.11n-40 MHz HIGH CHANNEL



## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ25B1396-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ25B1396-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ25B1396-AI.PDF”.

## Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--