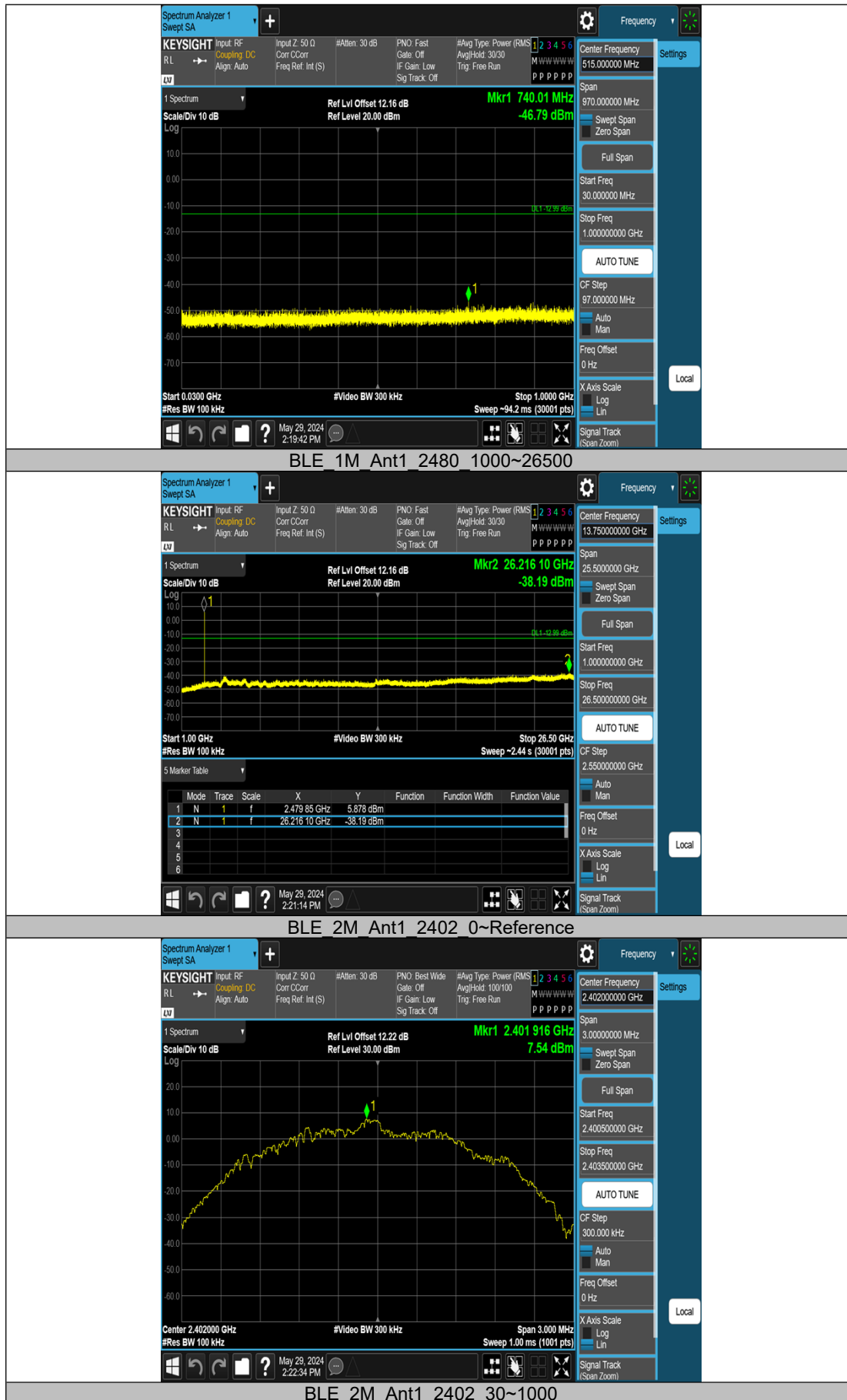
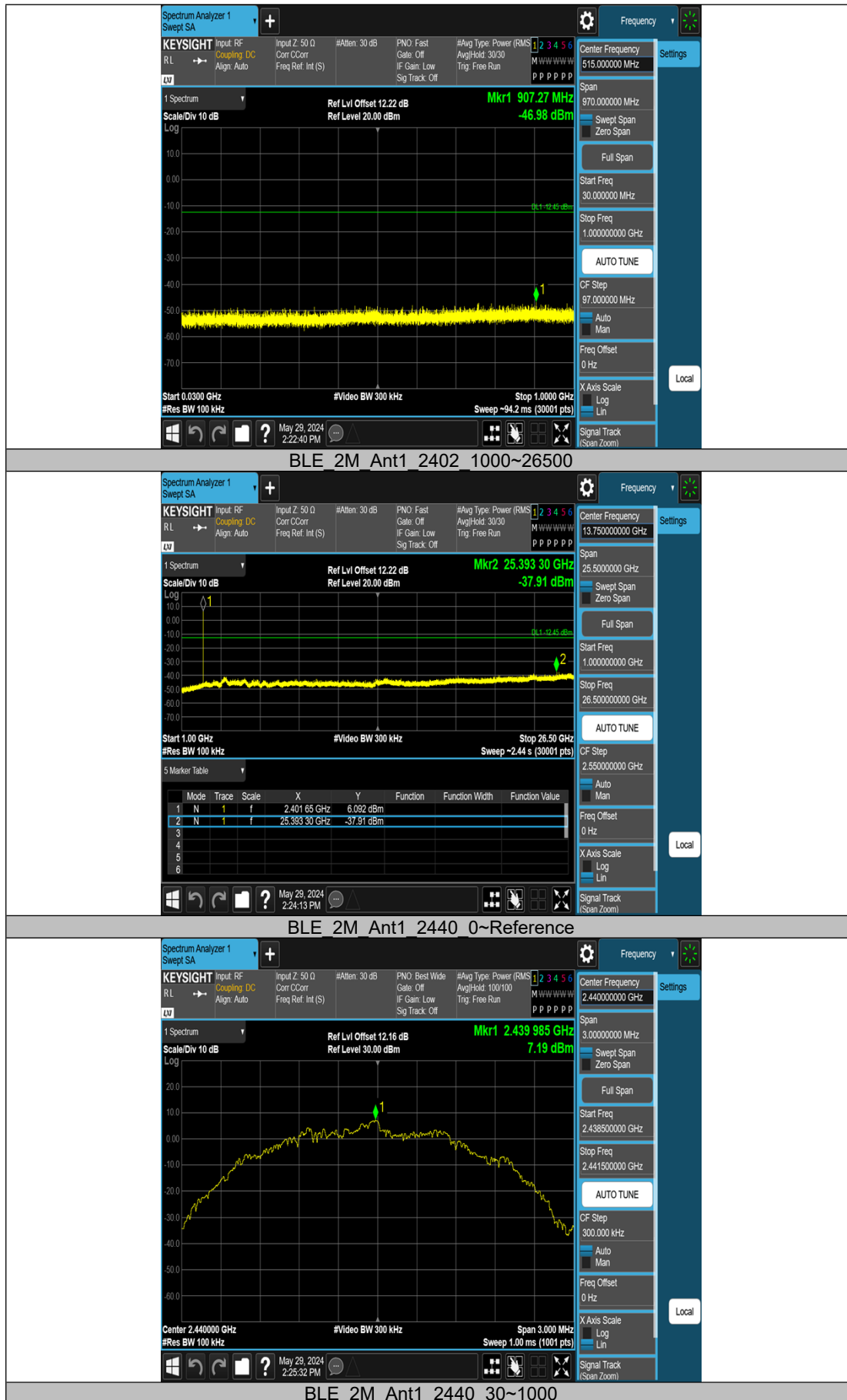
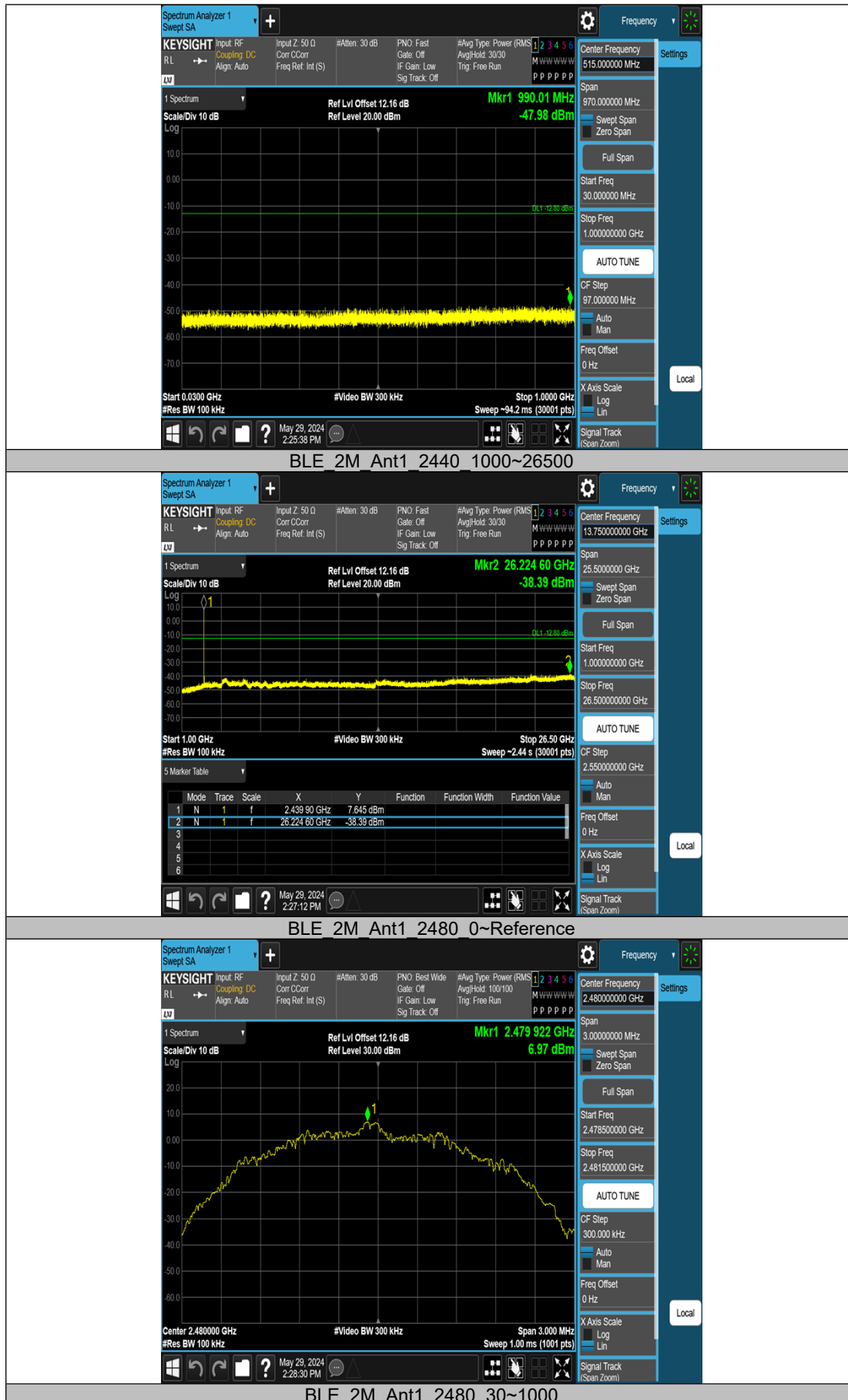
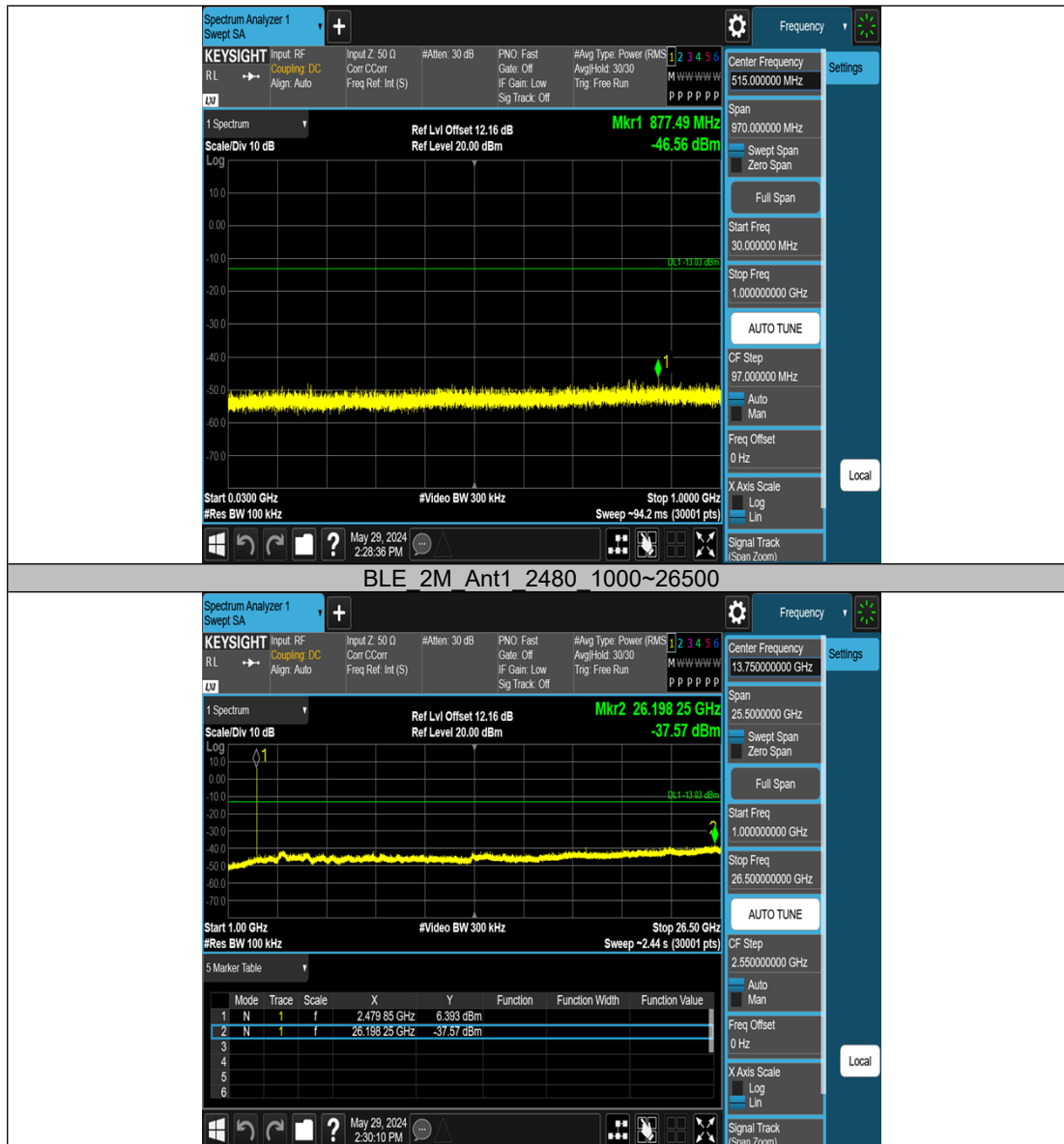










## Appendix B.5: Test Results of Radiated Spurious Emissions

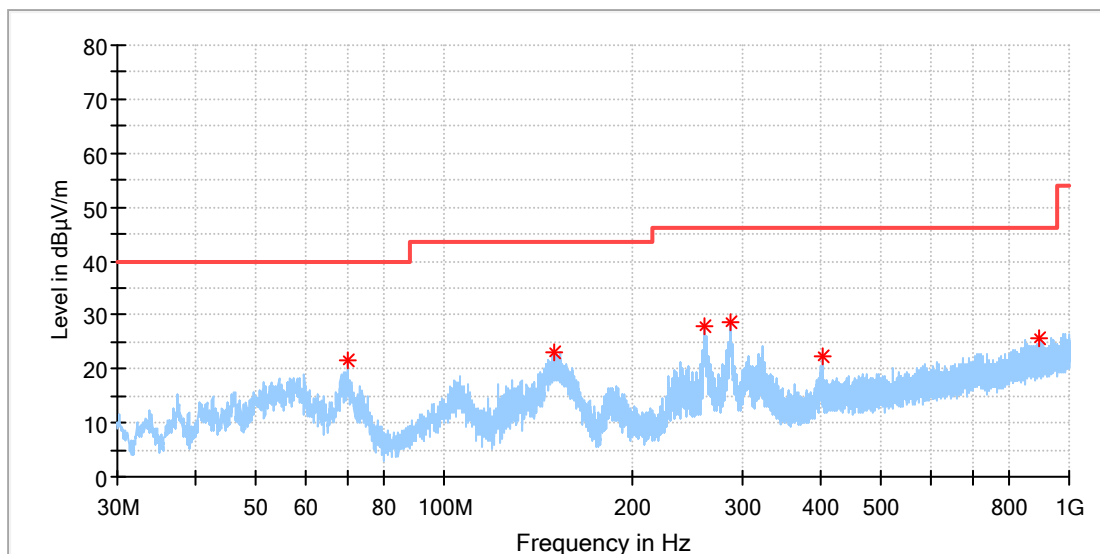
Note:

- 1) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

### 30MHz - 1GHz (Worst case)

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WiFi 7 Router            |
| Model:              | AR2340G                  |
| Test Mode:          | BLE 1M_Mid channel       |
| Order No/Sample No: | 168478033/A003691667-001 |
| Test Voltage::      | 120V/60Hz                |
| Remark:             | Temp 23 Humi:58%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

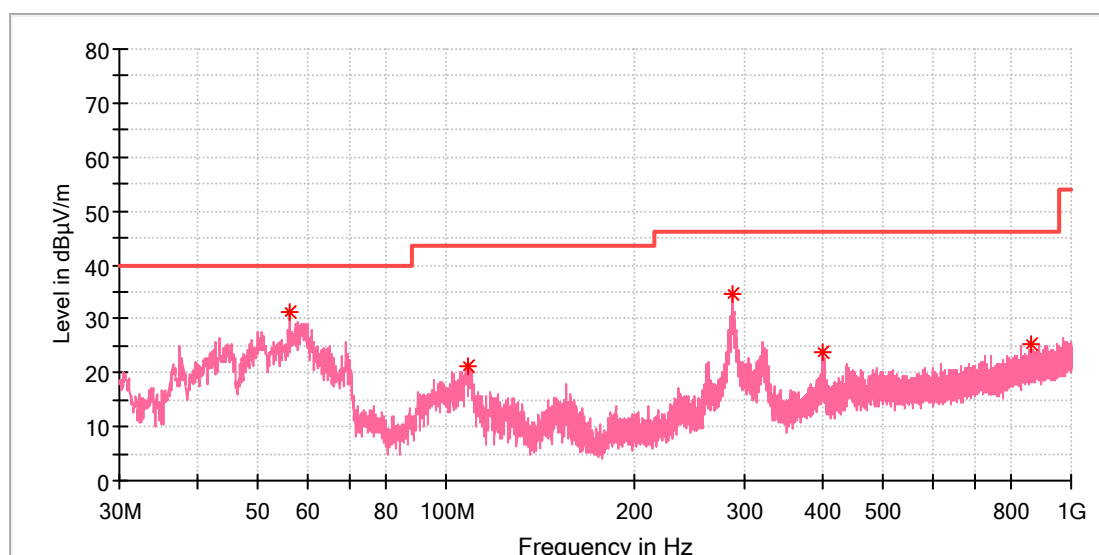
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 69.956539       | 21.60            | 40.00          | 18.40       | 100.0       | H   | 240.0         | -22.1        |
| 150.056154      | 23.01            | 43.50          | 20.49       | 100.0       | H   | 0.0           | -22.5        |
| 261.083846      | 28.05            | 46.00          | 17.95       | 100.0       | H   | 332.0         | -17.4        |
| 286.565000      | 28.78            | 46.00          | 17.22       | 100.0       | H   | 0.0           | -16.9        |
| 402.405385      | 22.40            | 46.00          | 23.60       | 100.0       | H   | 240.0         | -14.1        |
| 892.068846      | 25.49            | 46.00          | 20.51       | 100.0       | H   | 350.0         | -5.5         |

## Final\_Result

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---            | ---         | ---         | --- | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_Mid channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 56.264615       | 31.12            | 40.00          | 8.88        | 100.0       | V   | 304.0         | -18.9        |
| 108.681923      | 21.09            | 43.50          | 22.41       | 100.0       | V   | 0.0           | -19.3        |
| 287.124615      | 34.76            | 46.00          | 11.24       | 100.0       | V   | 2.0           | -16.9        |
| 401.025000      | 23.84            | 46.00          | 22.16       | 100.0       | V   | 78.0          | -14.1        |
| 862.931539      | 25.34            | 46.00          | 20.66       | 100.0       | V   | 189.0         | -5.7         |

## Final\_Result

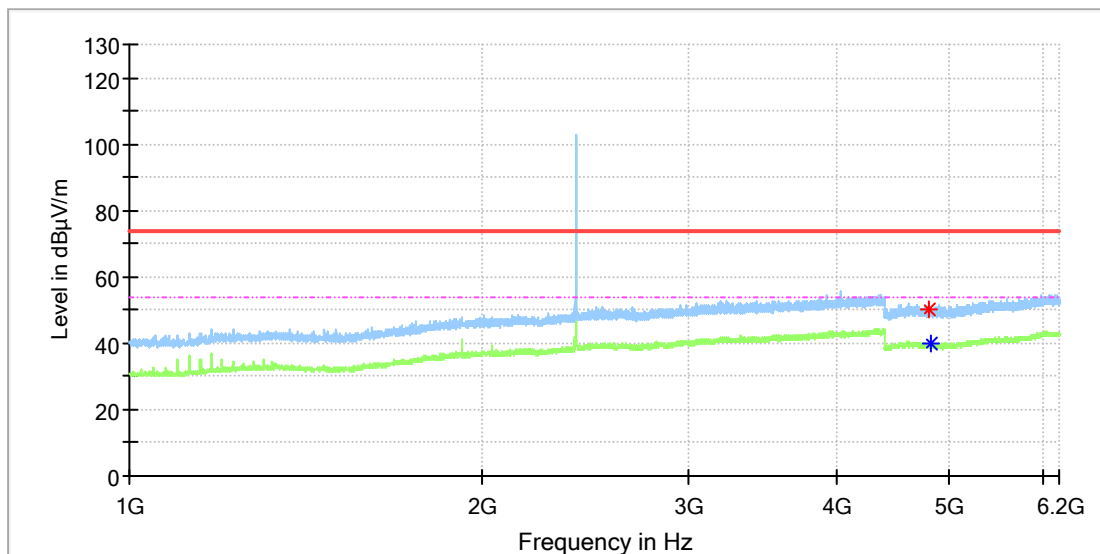
| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---            | ---         | ---         | --- | ---           | ---          |

## 1GHz - 18GHz

Note: The highest waveform in the figure is BLE Fundamental.

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WiFi 7 Router            |
| Model:              | AR2340G                  |
| Test Mode:          | BLE 1M_Low channel       |
| Order No/Sample No: | 168478033/A003691667-001 |
| Test Voltage::      | 120V/60Hz                |
| Remark:             | Temp 23 Humi:58%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

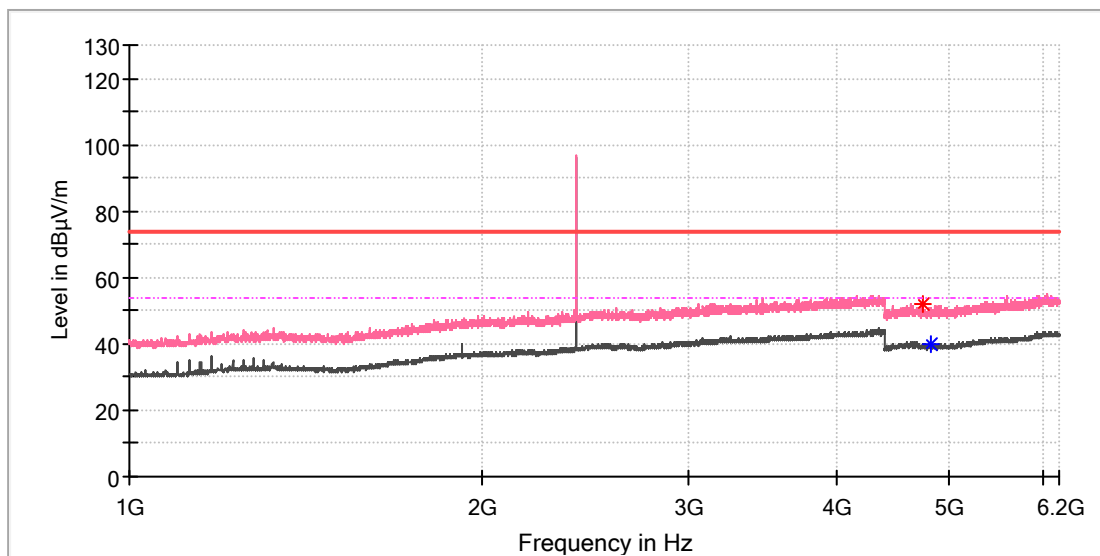
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4807.000000     | 50.28            | ---              | 74.00          | 23.72       | 150.0       | H   | 228.0         | 11.8         |
| 4819.000000     | ---              | 39.71            | 54.00          | 14.29       | 150.0       | H   | 350.0         | 11.8         |

## Final Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_Low channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

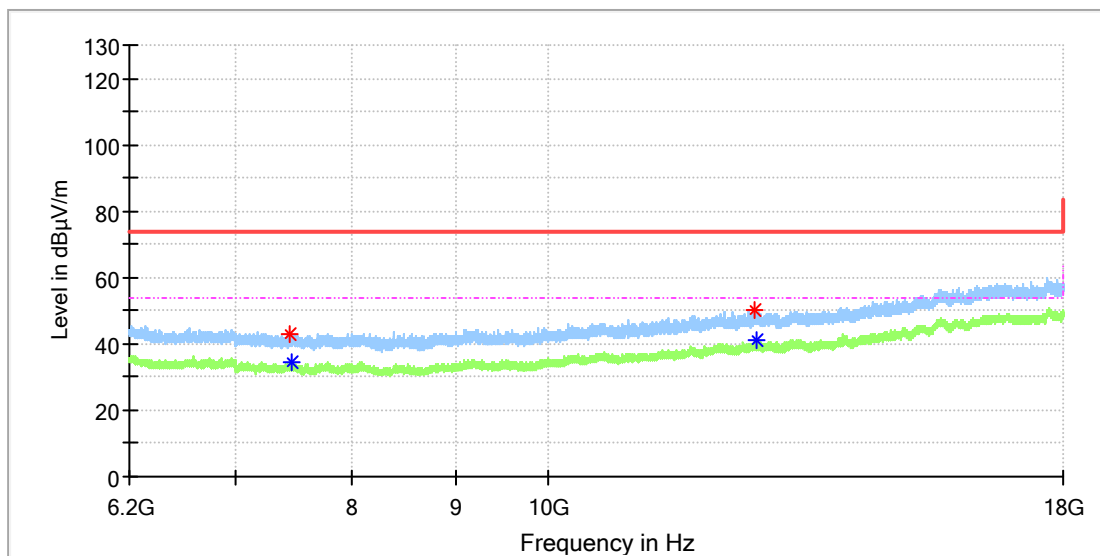
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4745.500000     | 52.06            | ---              | 74.00          | 21.94       | 150.0       | V   | 262.0         | 11.9         |
| 4814.000000     | ---              | 39.93            | 54.00          | 14.07       | 150.0       | V   | 237.0         | 11.8         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_Low channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

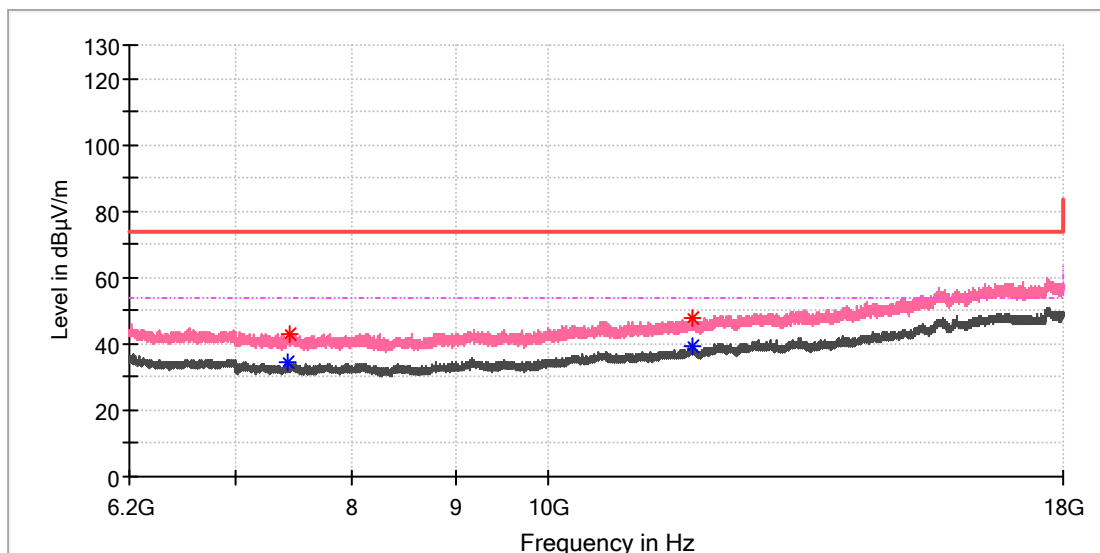
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7451.783333     | 42.68            | ---              | 74.00          | 31.32       | 150.0       | H   | 353.0         | 8.5          |
| 7456.700000     | ---              | 34.43            | 54.00          | 19.57       | 150.0       | H   | 182.0         | 8.5          |
| 12658.041667    | 50.30            | ---              | 74.00          | 23.70       | 150.0       | H   | 209.0         | 15.0         |
| 12687.541667    | ---              | 40.83            | 54.00          | 13.17       | 150.0       | H   | 18.0          | 15.1         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_Low channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

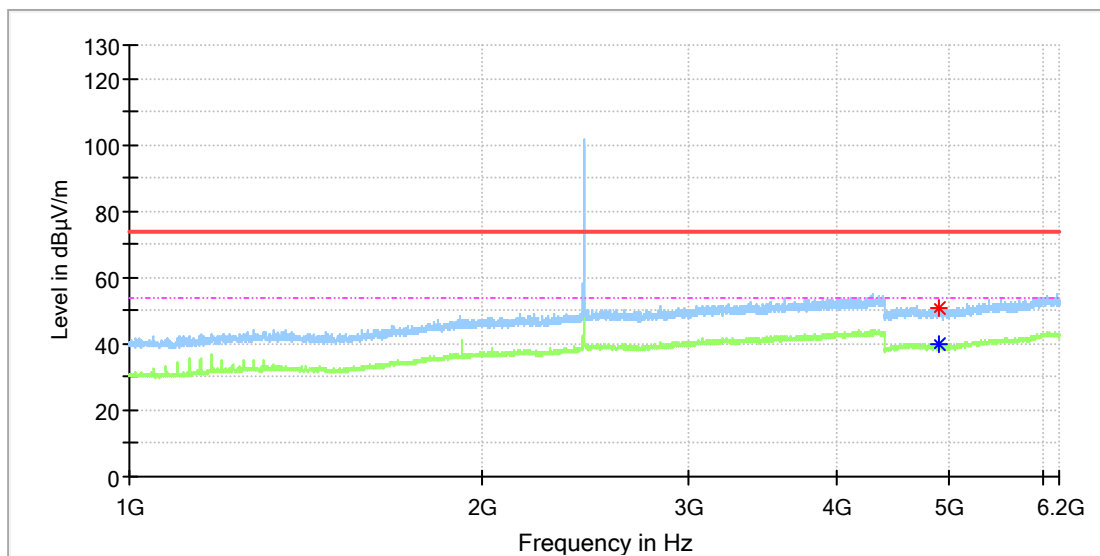
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7430.150000     | ---              | 34.20            | 54.00          | 19.80       | 150.0       | V   | 352.0         | 8.4          |
| 7450.800000     | 42.79            | ---              | 74.00          | 31.21       | 150.0       | V   | 133.0         | 8.5          |
| 11788.775000    | ---              | 39.34            | 54.00          | 14.66       | 150.0       | V   | 121.0         | 13.4         |
| 11790.741667    | 47.90            | ---              | 74.00          | 26.10       | 150.0       | V   | 0.0           | 13.4         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_Mid channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

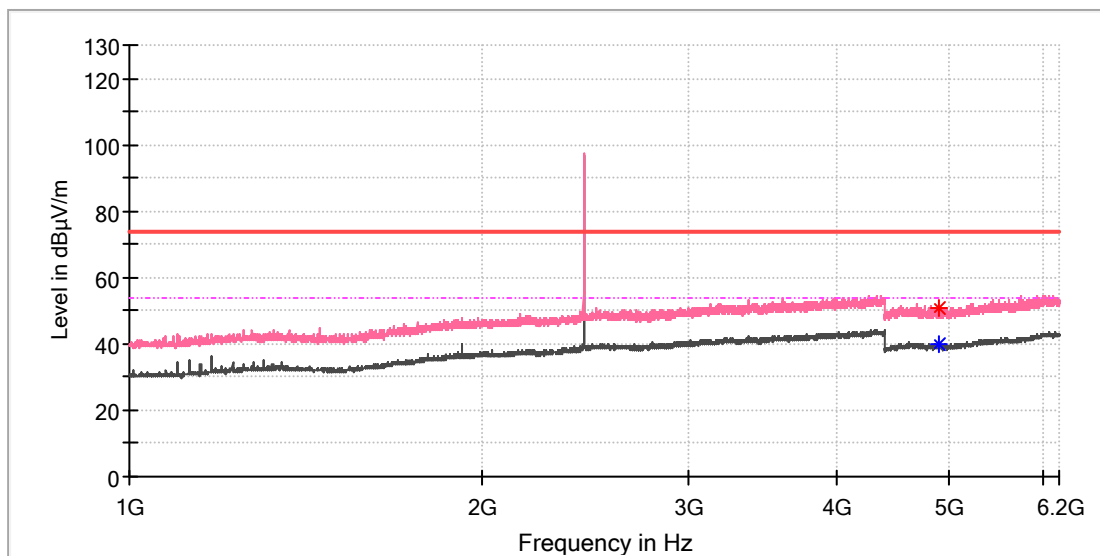
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4892.000000     | ---              | 39.61            | 54.00          | 14.39       | 150.0       | H   | 168.0         | 11.8         |
| 4892.500000     | 50.80            | ---              | 74.00          | 23.20       | 150.0       | H   | 111.0         | 11.8         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_Mid channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

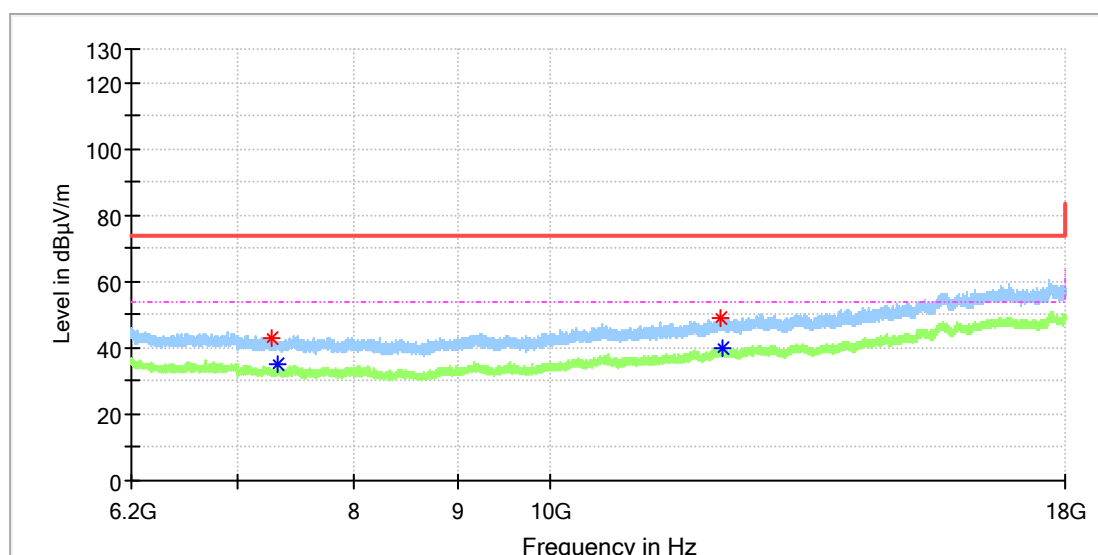
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4891.000000     | 50.83            | ---              | 74.00          | 23.17       | 150.0       | V   | 34.0          | 11.8         |
| 4901.000000     | ---              | 39.87            | 54.00          | 14.13       | 150.0       | V   | 318.0         | 11.8         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_Mid channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

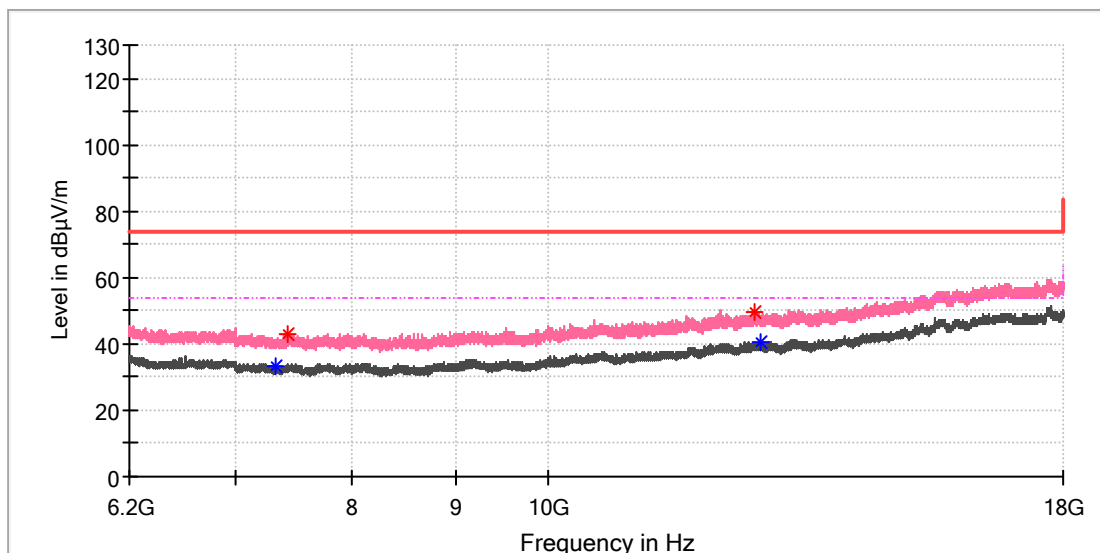
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7269.866667     | 42.96            | ---              | 74.00          | 31.04       | 150.0       | H   | 266.0         | 8.5          |
| 7320.508333     | ---              | 35.14            | 54.00          | 18.86       | 150.0       | H   | 206.0         | 8.2          |
| 12131.958333    | 48.91            | ---              | 74.00          | 25.09       | 150.0       | H   | 132.0         | 14.3         |
| 12169.816667    | ---              | 39.91            | 54.00          | 14.09       | 150.0       | H   | 69.0          | 14.5         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_Mid channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

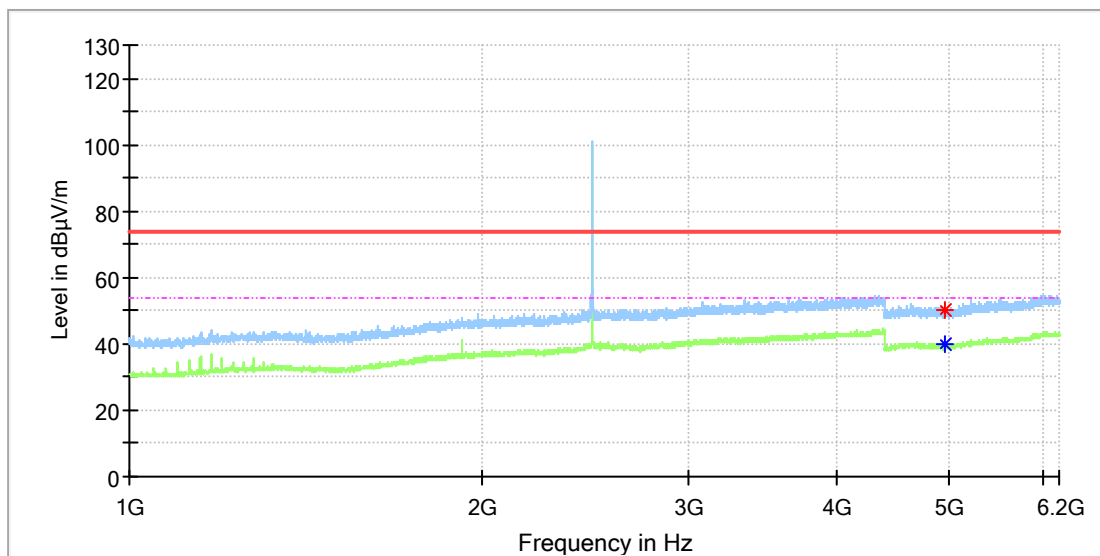
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7324.441667     | ---              | 33.45            | 54.00          | 20.55       | 150.0       | V   | 275.0         | 8.2          |
| 7434.575000     | 43.08            | ---              | 74.00          | 30.92       | 150.0       | V   | 311.0         | 8.4          |
| 12653.125000    | 49.85            | ---              | 74.00          | 24.15       | 150.0       | V   | 240.0         | 15.0         |
| 12732.775000    | ---              | 40.47            | 54.00          | 13.53       | 150.0       | V   | 204.0         | 15.2         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_High channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

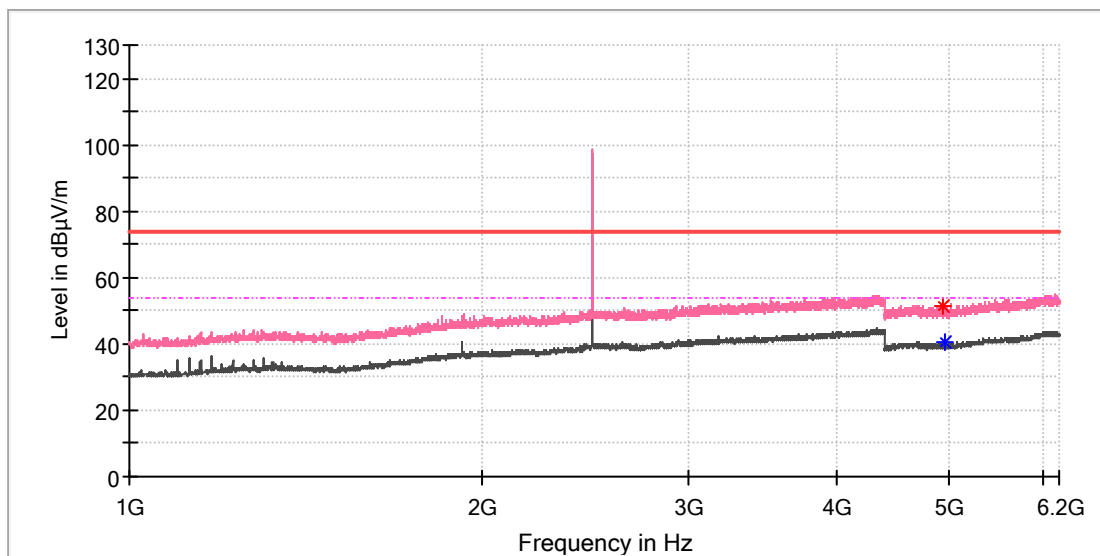
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4951.500000     | 50.46            | ---              | 74.00          | 23.54       | 150.0       | H   | 179.0         | 11.8         |
| 4957.000000     | ---              | 39.74            | 54.00          | 14.26       | 150.0       | H   | 261.0         | 11.8         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_High channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

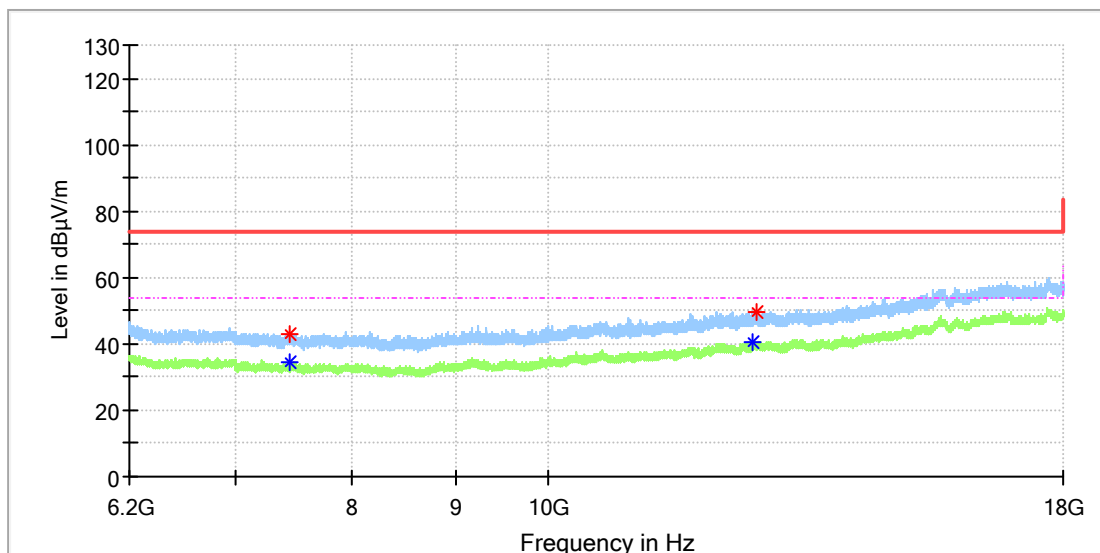
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4926.500000     | 51.24            | ---              | 74.00          | 22.76       | 150.0       | V   | 352.0         | 11.8         |
| 4956.000000     | ---              | 40.30            | 54.00          | 13.70       | 150.0       | V   | 51.0          | 11.8         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_High channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

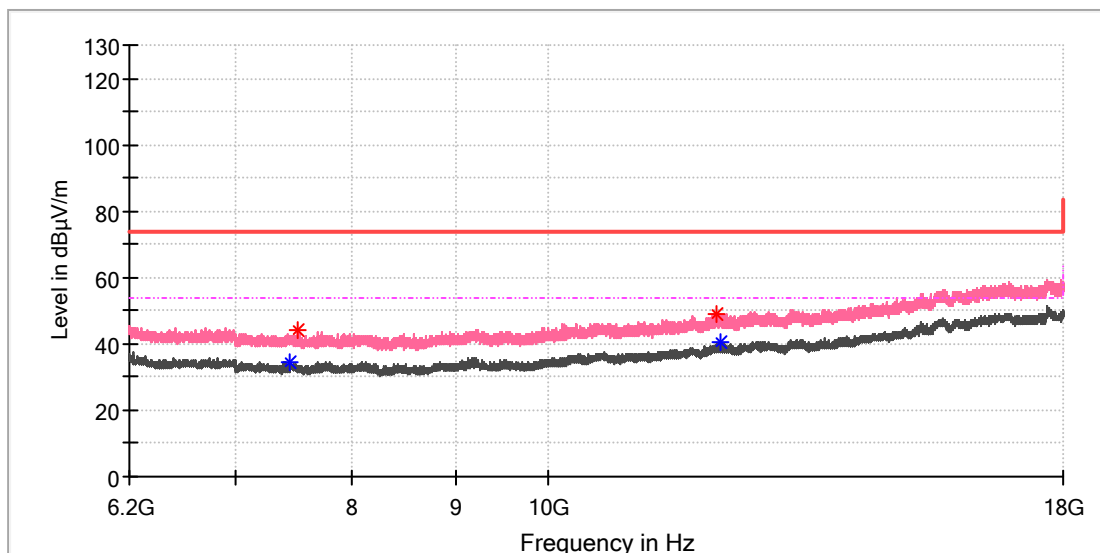
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7447.358333     | 42.65            | ---              | 74.00          | 31.35       | 150.0       | H   | 19.0          | 8.5          |
| 7451.291667     | ---              | 34.32            | 54.00          | 19.68       | 150.0       | H   | 56.0          | 8.5          |
| 12633.950000    | ---              | 40.23            | 54.00          | 13.77       | 150.0       | H   | 71.0          | 15.0         |
| 12686.558333    | 49.84            | ---              | 74.00          | 24.16       | 150.0       | H   | 44.0          | 15.1         |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_High channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7450.308333     | ---              | 34.34            | 54.00          | 19.66       | 150.0       | V   | 0.0           | 8.5          |
| 7508.325000     | 43.90            | ---              | 74.00          | 30.10       | 150.0       | V   | 341.0         | 8.7          |
| 12110.816667    | 49.11            | ---              | 74.00          | 24.89       | 150.0       | V   | 233.0         | 14.2         |
| 12181.616667    | ---              | 40.57            | 54.00          | 13.43       | 150.0       | V   | 341.0         | 14.6         |

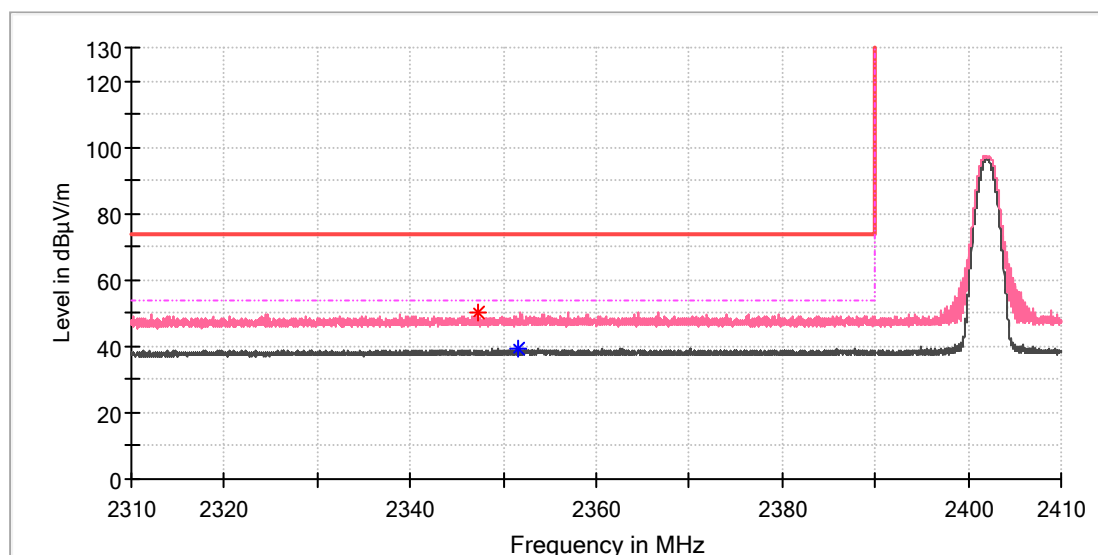
## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

## Appendix B.6: Test Results of Radiated Emissions in Restricted Bands

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WiFi 7 Router            |
| Model:              | AR2340G                  |
| Test Mode:          | BLE 1M_Low channel       |
| Order No/Sample No: | 168478033/A003691667-001 |
| Test Voltage::      | 120V/60Hz                |
| Remark:             | Temp 23 Humi:58%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical\_Freqs

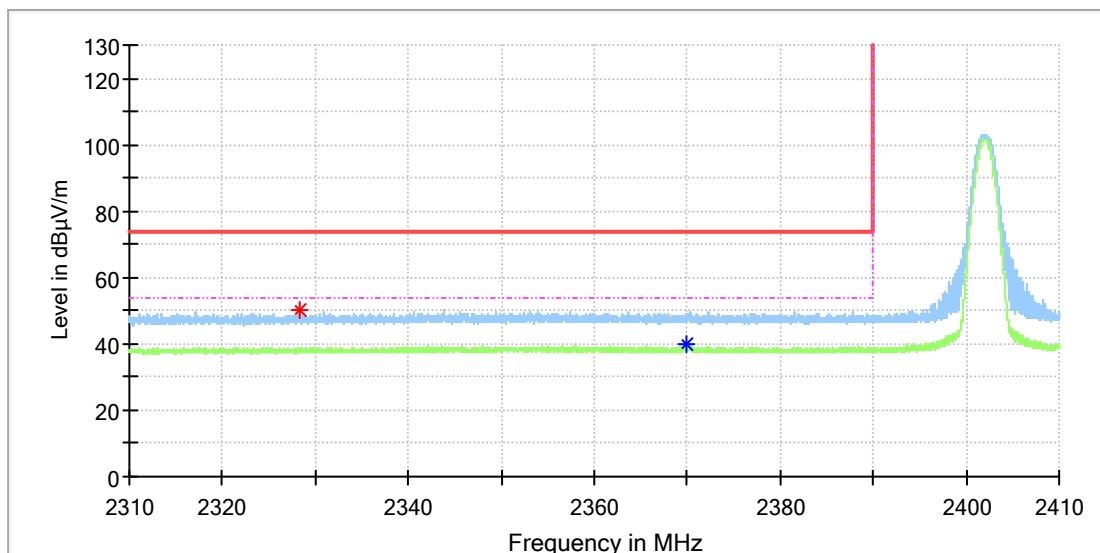
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2347.323530     | 50.42            | ---              | 74.00          | 23.58       | 150.0       | V   | 84.0          | 6.9          |
| 2351.602941     | ---              | 39.36            | 54.00          | 14.64       | 150.0       | V   | 50.0          | 6.9          |

### Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_Low channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

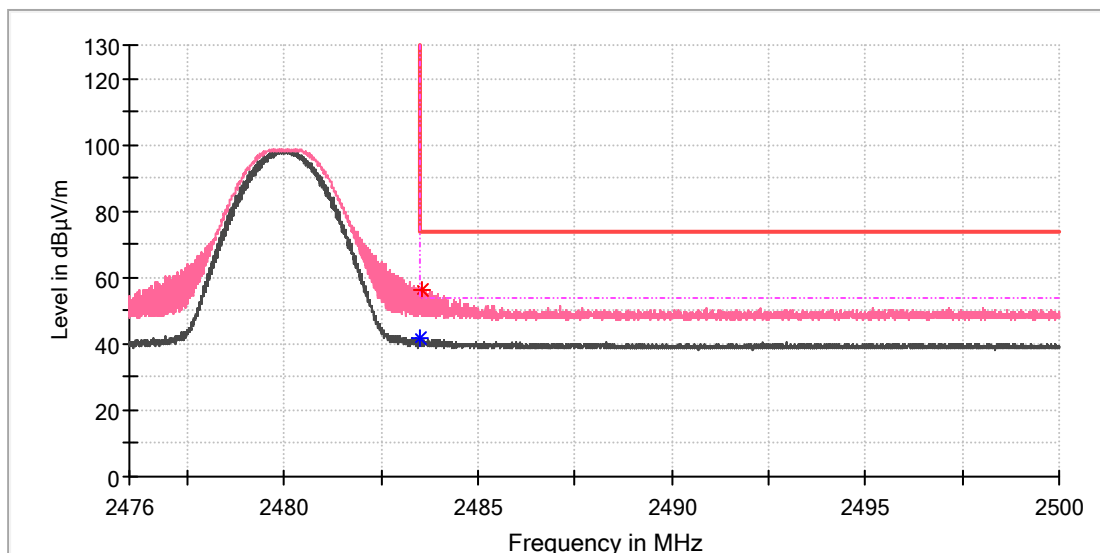
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2328.367647     | 50.15            | ---              | 74.00          | 23.85       | 150.0       | H   | 266.0         | 6.7          |
| 2369.838235     | ---              | 40.16            | 54.00          | 13.84       | 150.0       | H   | 260.0         | 6.9          |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_High channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

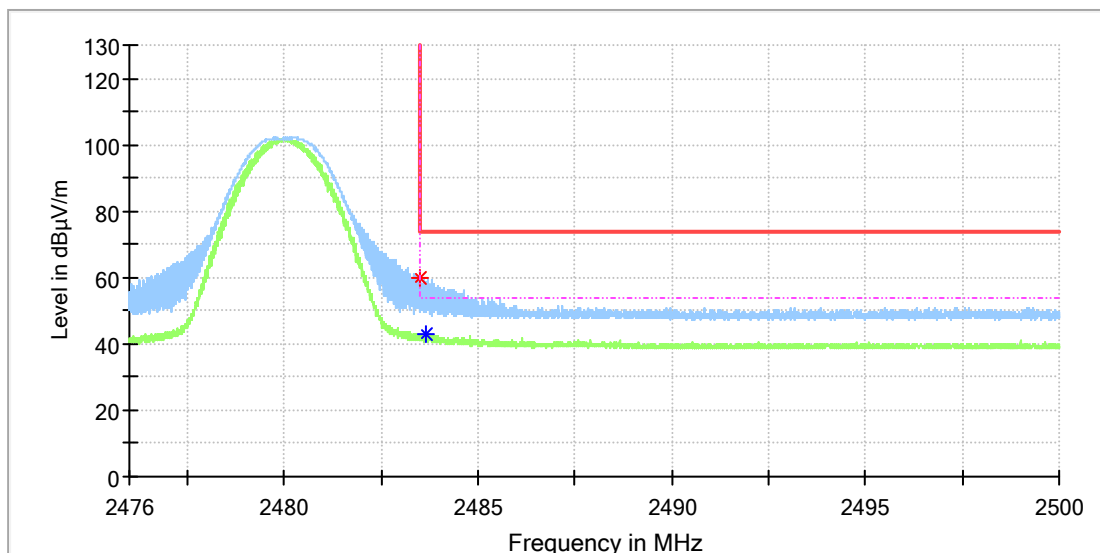
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.521177     | ---              | 41.63            | 54.00          | 12.37       | 150.0       | V   | 137.0         | 7.4          |
| 2483.545882     | 56.26            | ---              | 74.00          | 17.74       | 150.0       | V   | 143.0         | 7.4          |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 1M\_High channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

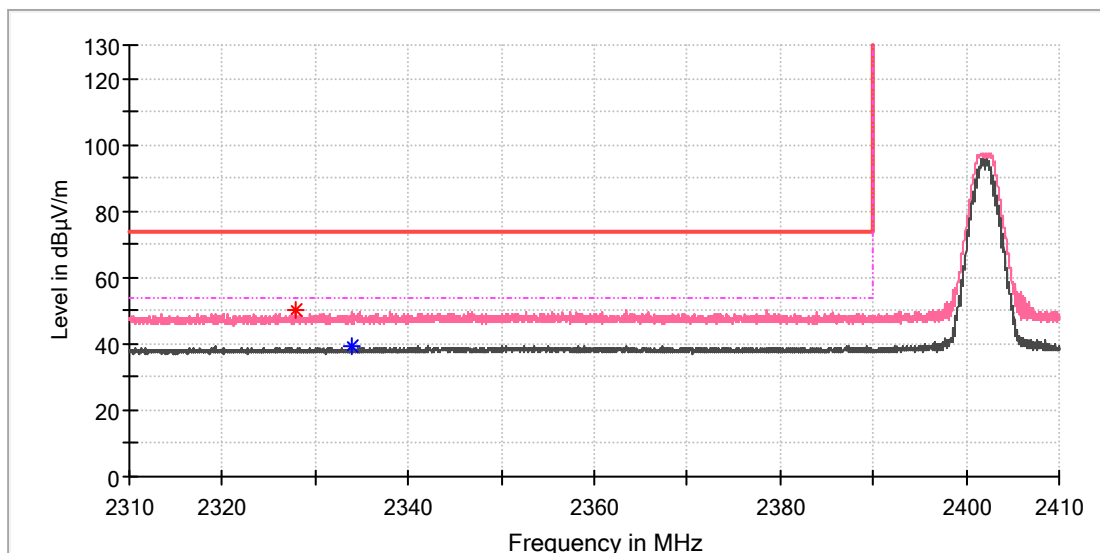
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.524706     | 59.83            | ---              | 74.00          | 14.17       | 150.0       | H   | 240.0         | 7.4          |
| 2483.665882     | ---              | 43.21            | 54.00          | 10.79       | 150.0       | H   | 254.0         | 7.4          |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 2M\_Low channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

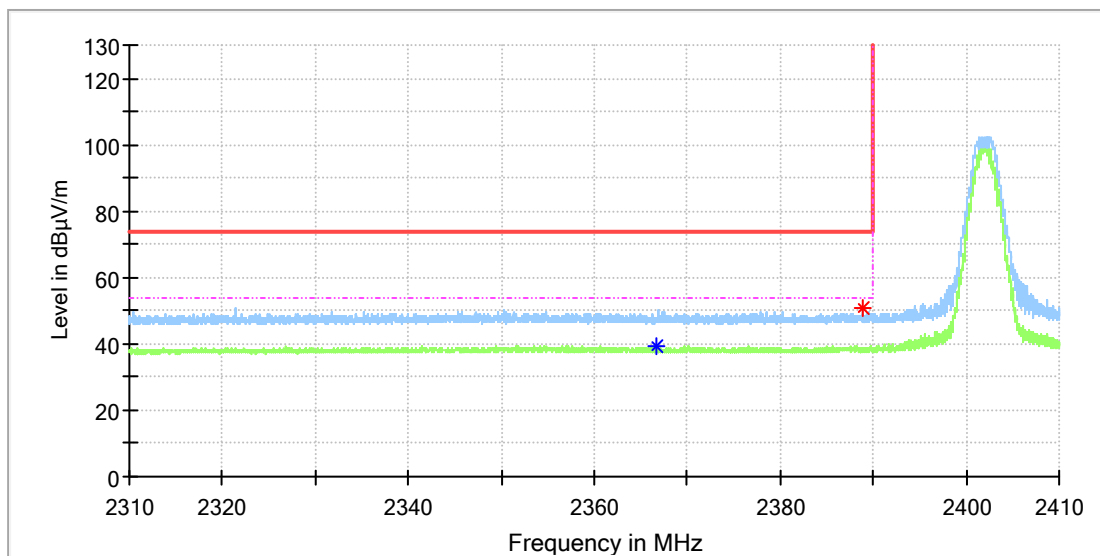
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2327.941177     | 50.11            | ---              | 74.00          | 23.89       | 150.0       | V   | 117.0         | 6.7          |
| 2333.867647     | ---              | 39.21            | 54.00          | 14.80       | 150.0       | V   | 89.0          | 6.7          |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 2M\_Low channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

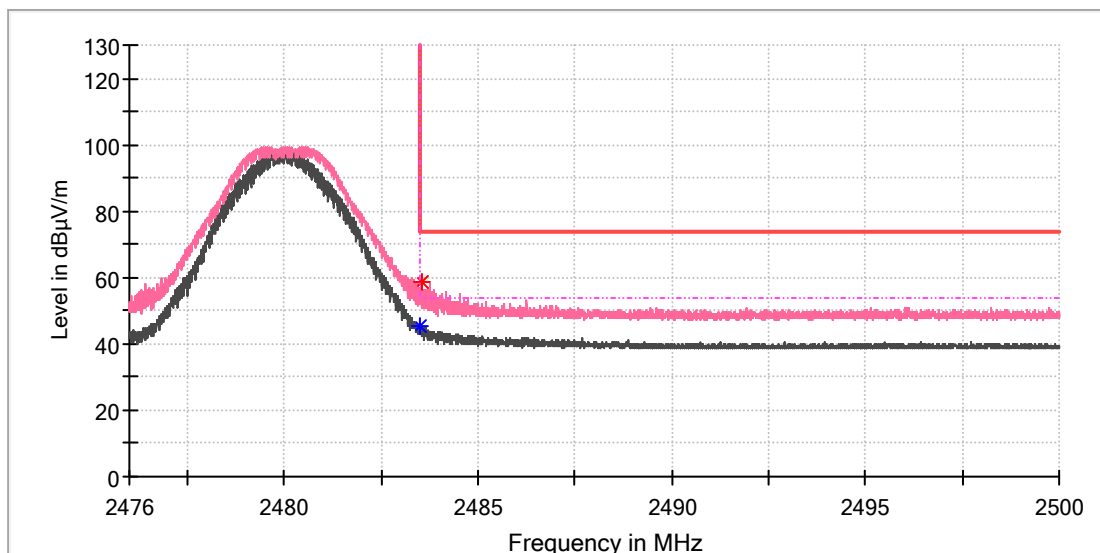
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2366.779412     | ---              | 39.43            | 54.00          | 14.57       | 150.0       | H   | 0.0           | 6.9          |
| 2388.911765     | 50.94            | ---              | 74.00          | 23.06       | 150.0       | H   | 257.0         | 7.0          |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 2M\_High channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

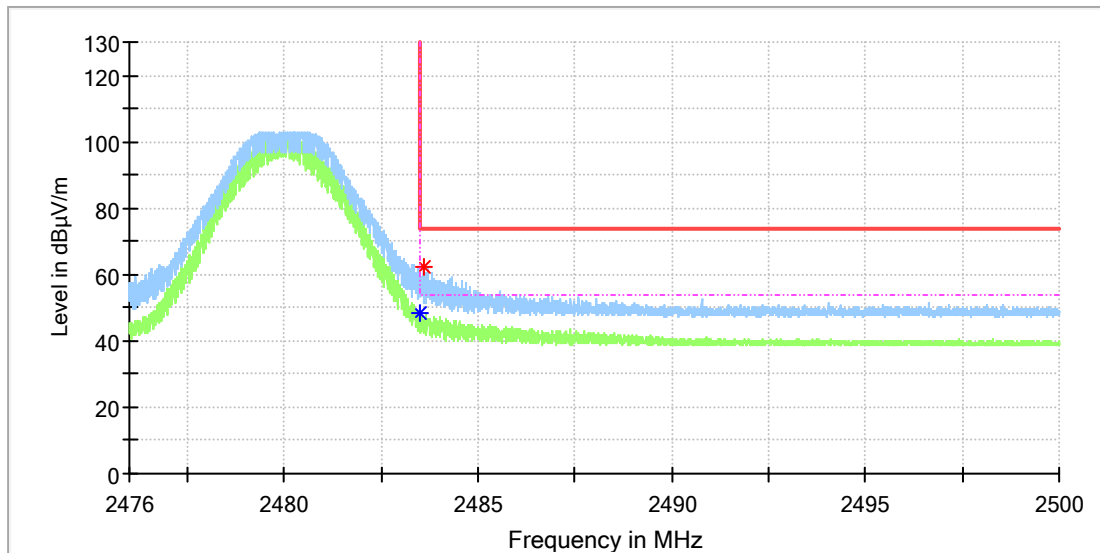
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.524706     | ---              | 45.32            | 54.00          | 8.68        | 150.0       | V   | 138.0         | 7.4          |
| 2483.528235     | 58.68            | ---              | 74.00          | 15.32       | 150.0       | V   | 138.0         | 7.4          |

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: BLE 2M\_High channel  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 23 Humi:58%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.500000     | ---              | 48.37            | 54.00          | 5.63        | 150.0       | H   | 252.0         | 7.4          |
| 2483.577647     | 62.06            | ---              | 74.00          | 11.94       | 150.0       | H   | 330.0         | 7.4          |

## Final\_Result

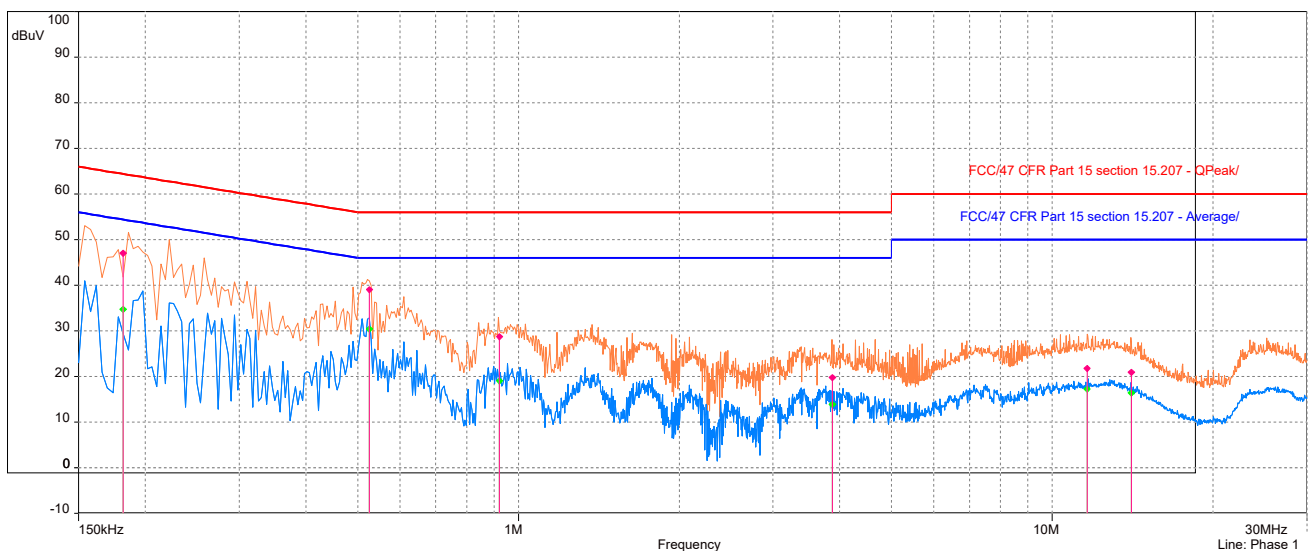
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         |     | ---           | ---          |

## Appendix B.7: Test Results of AC Conducted Emissions

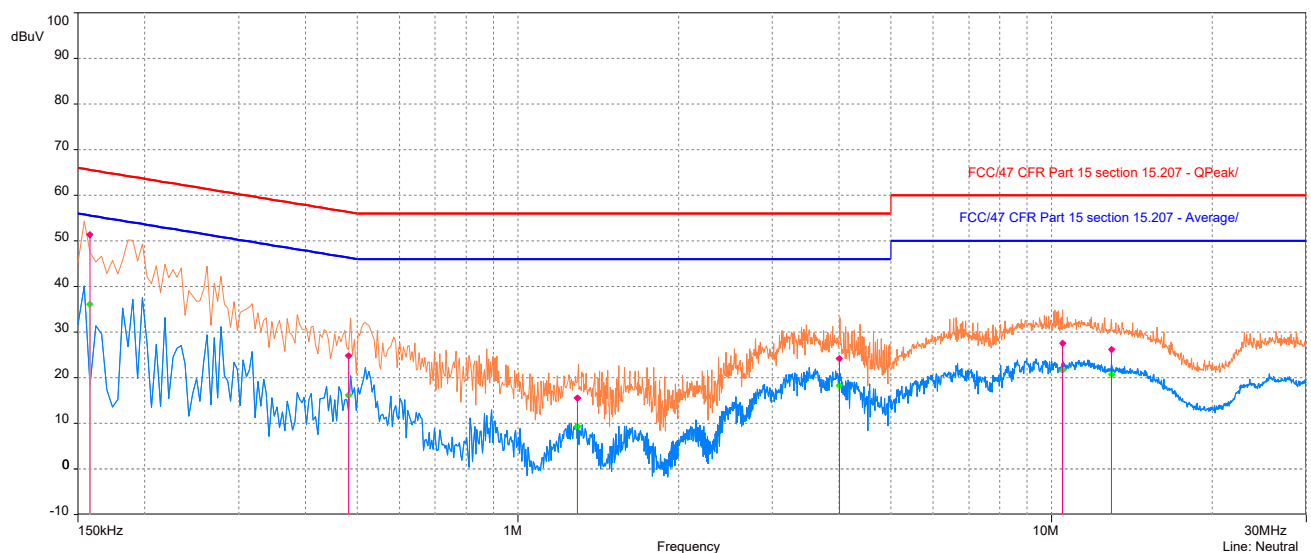
### EUT Information

EUT Name: WiFi 7 Router  
Model: AR2340G  
Test Mode: WI-Fi & BLE Connecting  
Order No/Sample No: 168478033/A003691667-001  
Test Voltage:: 120V/60Hz  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.207  
Tested By: Jack Huang  
Reviewed By: Jacky Chen

— FCC/47 CFR Part 15 section 15.207 - Average/  
— FCC/47 CFR Part 15 section 15.207 - QPeak/  
— Peak (Phase 1)  
— Avg (Phase 1)  
— Meas.Q-Peak (dBuV) (QuasiPeak) (Phase 1)  
— Meas.Avg (dBuV) (Average) (Phase 1)



— FCC/47 CFR Part 15 section 15.207 - Average/  
— FCC/47 CFR Part 15 section 15.207 - QPeak/  
— Peak (Neutral)  
— Avg (Neutral)  
— Meas.Q-Peak (dBuV) (QuasiPeak) (Neutral)  
— Meas.Avg (dBuV) (Average) (Neutral)



Average (12)

| Frequency (MHz) | SR | Meas.Avg (dBuV) | Limit (dBuV) | Meas.-Lim (dB) | Line    | RBW | Meas.Time (s) | Comments | Correction (dB) |
|-----------------|----|-----------------|--------------|----------------|---------|-----|---------------|----------|-----------------|
| 0.159           | 1  | 36.15           | 55.57        | -19.42         | Neutral | 9k  | 1             | Pass     | 9.54            |
| 0.48375         | 1  | 16.23           | 46.30        | -30.07         | Neutral | 9k  | 1             | Pass     | 9.54            |
| 1.2935          | 1  | 9.36            | 46.00        | -36.64         | Neutral | 9k  | 1             | Pass     | 9.58            |
| 4.00775         | 1  | 18.38           | 46.00        | -27.62         | Neutral | 9k  | 1             | Pass     | 9.66            |
| 10.48375        | 1  | 21.66           | 50.00        | -28.34         | Neutral | 9k  | 1             | Pass     | 9.85            |
| 12.94825        | 1  | 20.79           | 50.00        | -29.21         | Neutral | 9k  | 1             | Pass     | 10.05           |
| 0.18375         | 2  | 34.72           | 54.39        | -19.67         | Phase 1 | 9k  | 1             | Pass     | 9.54            |
| 0.52425         | 2  | 30.45           | 46.00        | -15.55         | Phase 1 | 9k  | 1             | Pass     | 9.52            |
| 0.92025         | 2  | 19.10           | 46.00        | -26.90         | Phase 1 | 9k  | 1             | Pass     | 9.53            |
| 3.87225         | 2  | 13.93           | 46.00        | -32.07         | Phase 1 | 9k  | 1             | Pass     | 9.60            |
| 11.62375        | 2  | 17.32           | 50.00        | -32.68         | Phase 1 | 9k  | 1             | Pass     | 9.83            |
| 14.0545         | 2  | 16.42           | 50.00        | -33.58         | Phase 1 | 9k  | 1             | Pass     | 10.03           |

QuasiPeak (12)

| Frequency (MHz) | SR | Meas.Q-Peak (dBuV) | Limit (dBuV) | Meas.-Lim (dB) | Line    | RBW | Meas.Time (s) | Comments | Correction (dB) |
|-----------------|----|--------------------|--------------|----------------|---------|-----|---------------|----------|-----------------|
| 0.159           | 1  | 51.42              | 65.57        | -14.14         | Neutral | 9k  | 1             | Pass     | 9.54            |
| 0.48375         | 1  | 24.86              | 56.30        | -31.44         | Neutral | 9k  | 1             | Pass     | 9.54            |
| 1.2935          | 1  | 15.55              | 56.00        | -40.45         | Neutral | 9k  | 1             | Pass     | 9.58            |
| 4.00775         | 1  | 24.26              | 56.00        | -31.74         | Neutral | 9k  | 1             | Pass     | 9.66            |
| 10.48375        | 1  | 27.55              | 60.00        | -32.45         | Neutral | 9k  | 1             | Pass     | 9.85            |
| 12.94825        | 1  | 26.27              | 60.00        | -33.73         | Neutral | 9k  | 1             | Pass     | 10.05           |
| 0.18375         | 2  | 47.04              | 64.39        | -17.35         | Phase 1 | 9k  | 1             | Pass     | 9.54            |
| 0.52425         | 2  | 39.04              | 56.00        | -16.96         | Phase 1 | 9k  | 1             | Pass     | 9.52            |
| 0.92025         | 2  | 28.77              | 56.00        | -27.23         | Phase 1 | 9k  | 1             | Pass     | 9.53            |
| 3.87225         | 2  | 19.75              | 56.00        | -36.25         | Phase 1 | 9k  | 1             | Pass     | 9.60            |
| 11.62375        | 2  | 21.76              | 60.00        | -38.24         | Phase 1 | 9k  | 1             | Pass     | 9.83            |