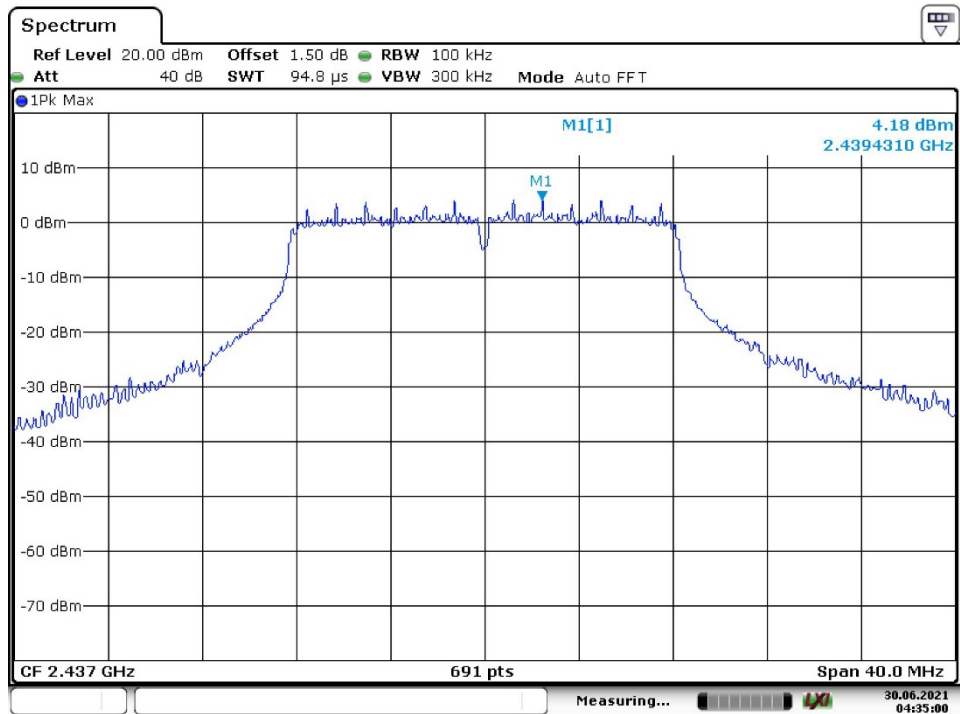
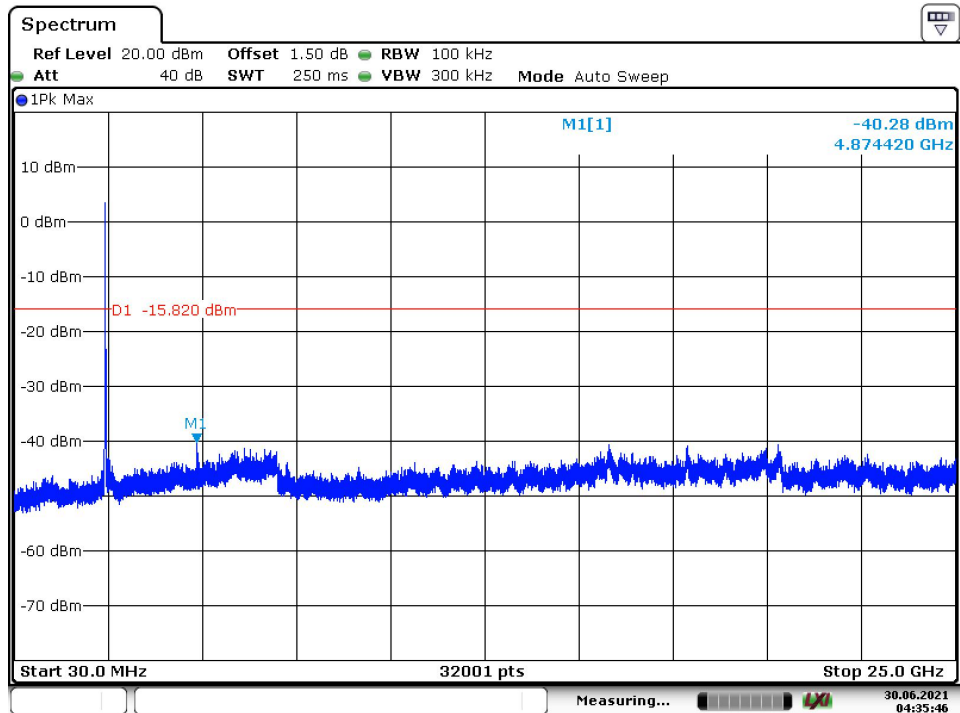


Middle Channel

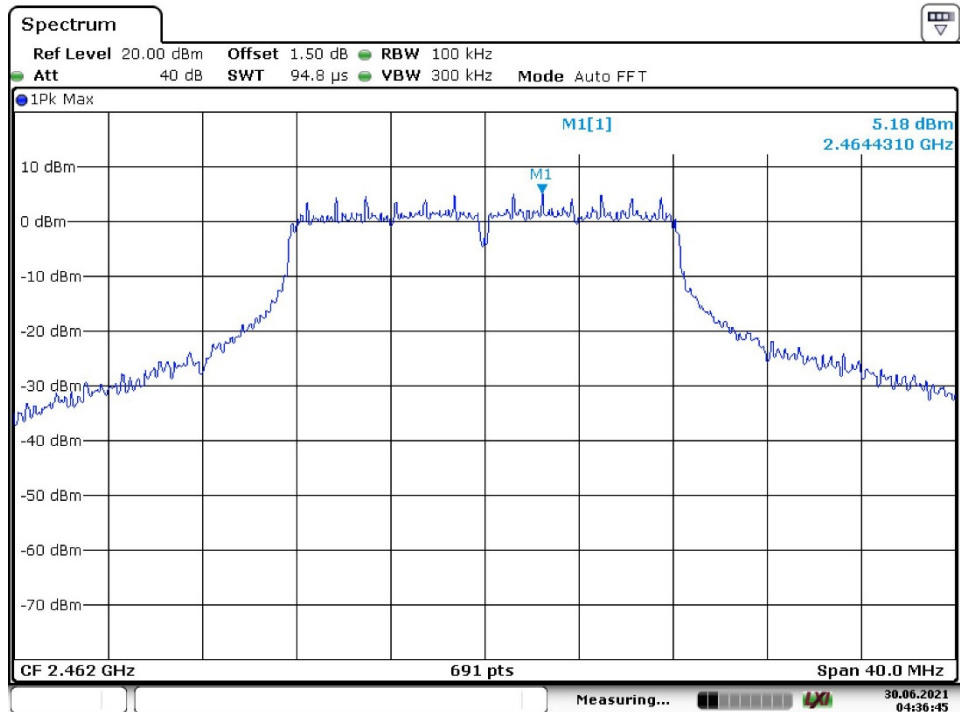


Date: 30.JUN.2021 04:35:00

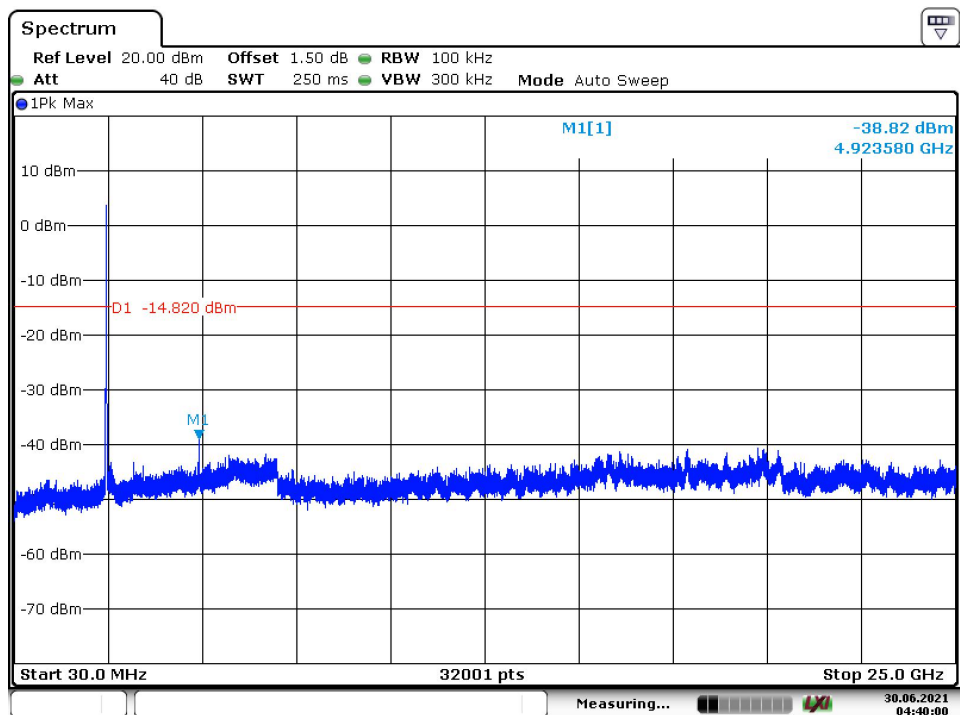


Date: 30.JUN.2021 04:35:47

### High Channel

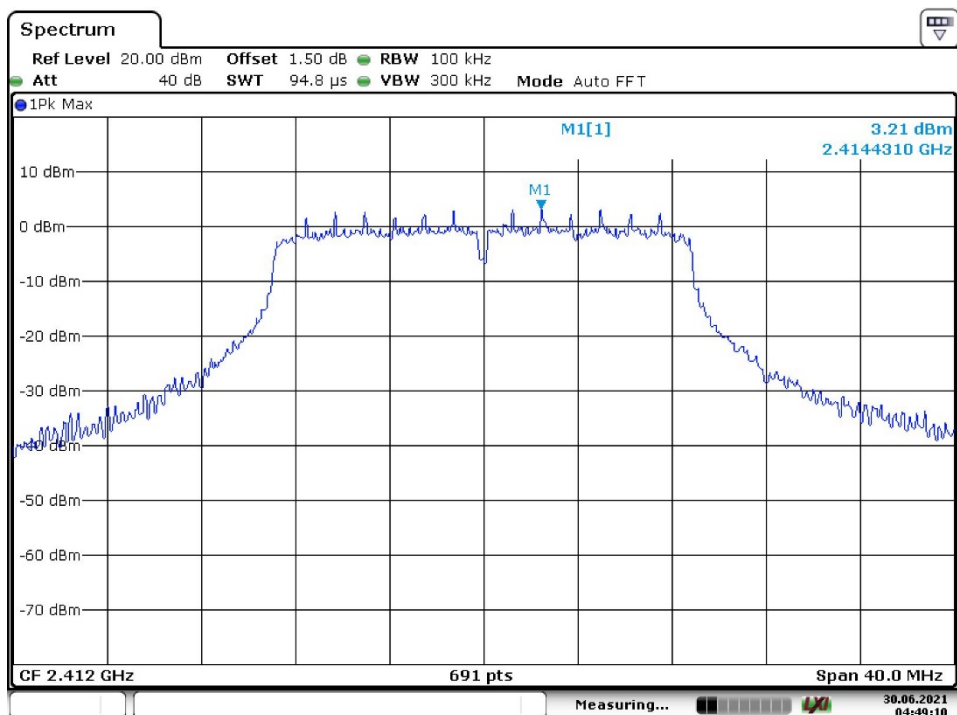


Date: 30.JUN.2021 04:36:45

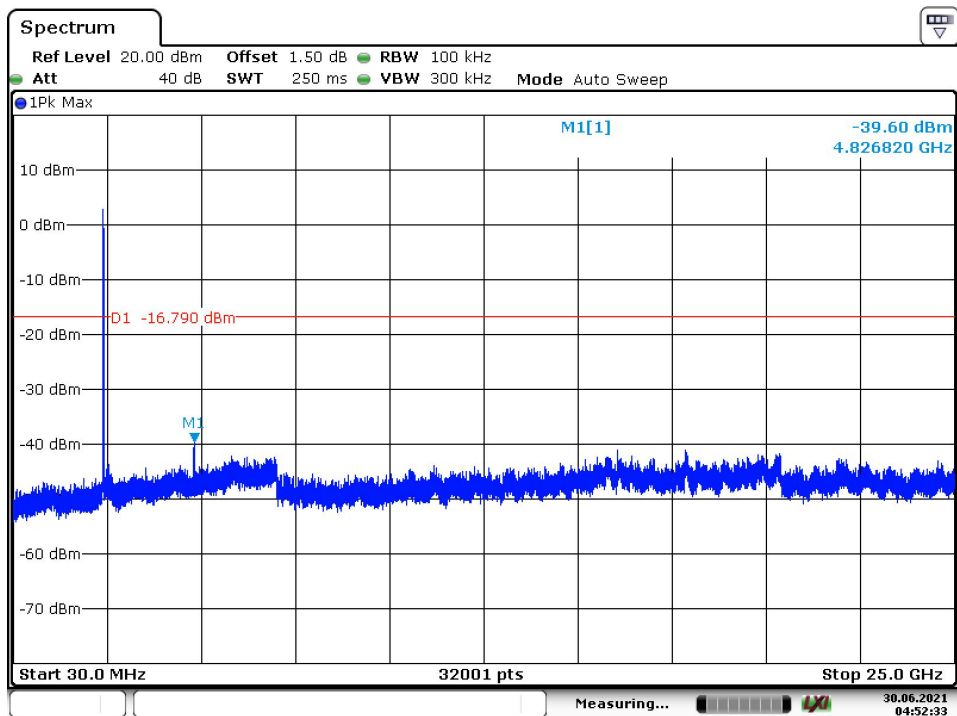


Date: 30.JUN.2021 04:40:00

Wi-Fi 802.11 n(HT20) mode, MCS0  
Low Channel

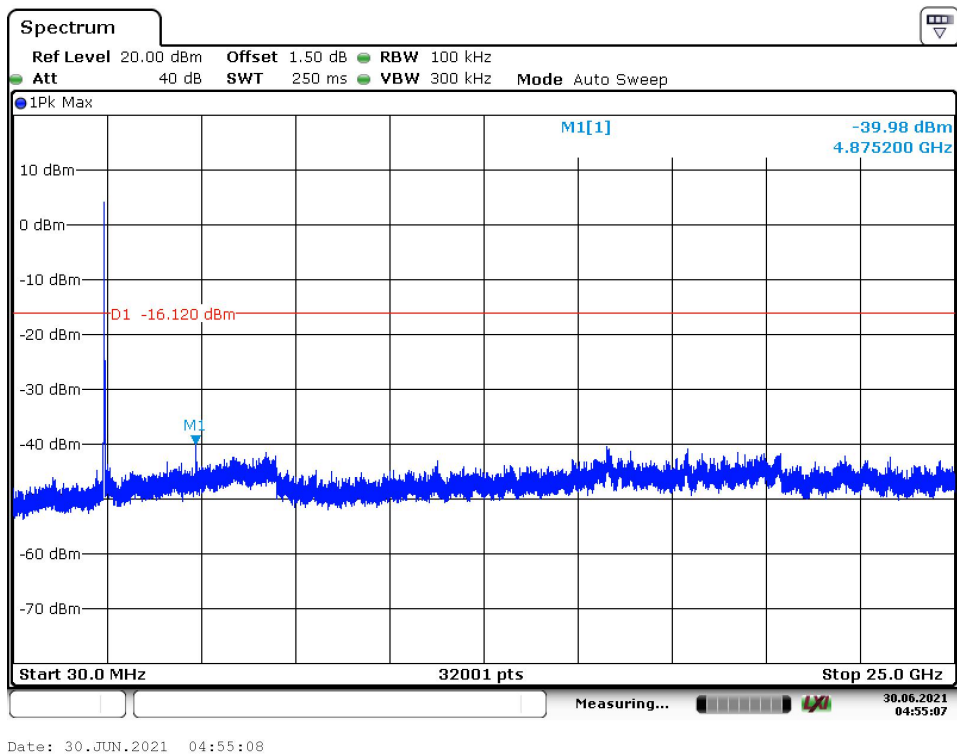
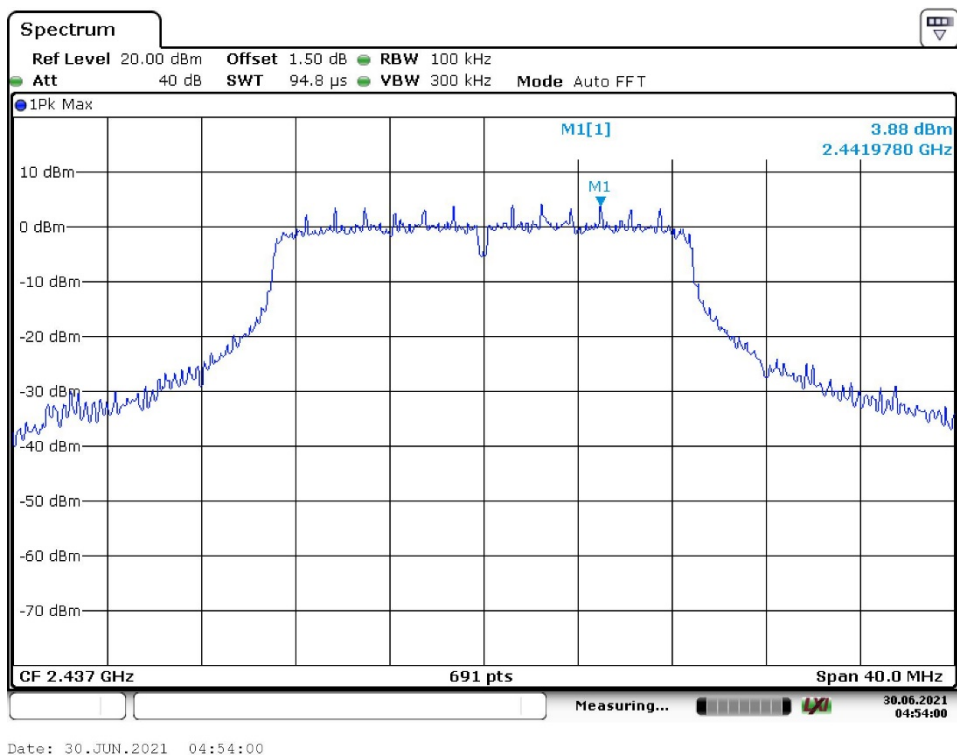


Date: 30.JUN.2021 04:49:11

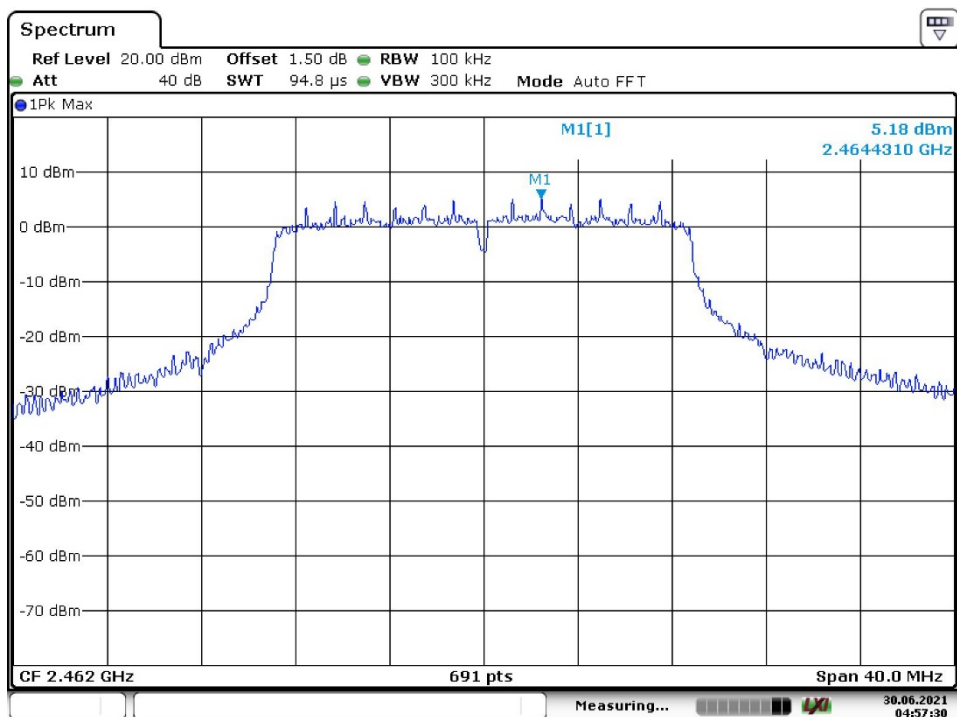


Date: 30.JUN.2021 04:52:33

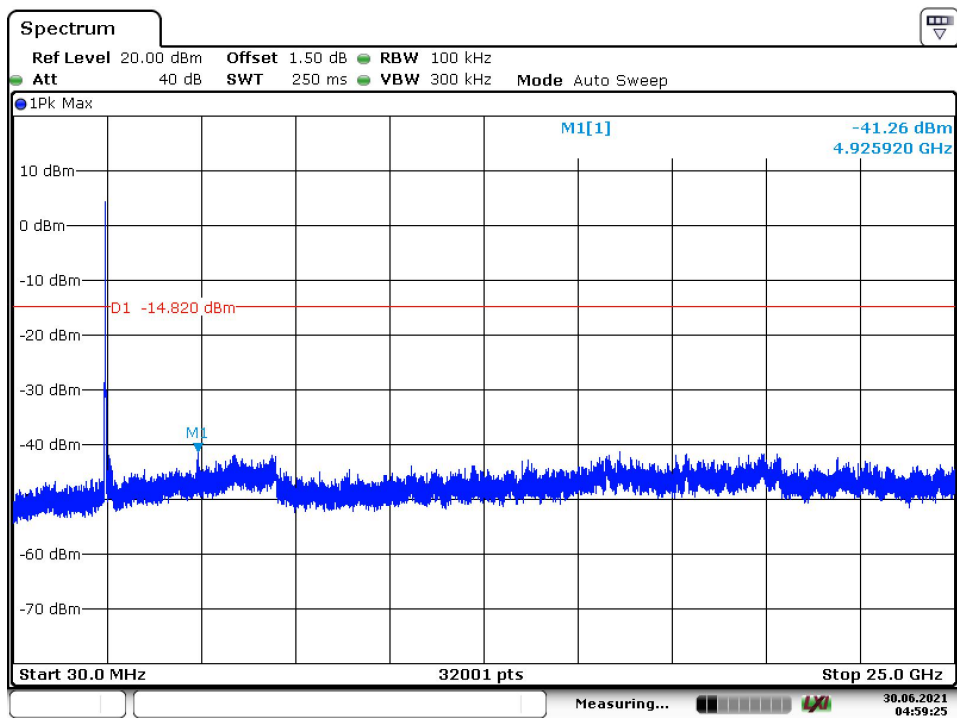
Middle Channel



### High Channel

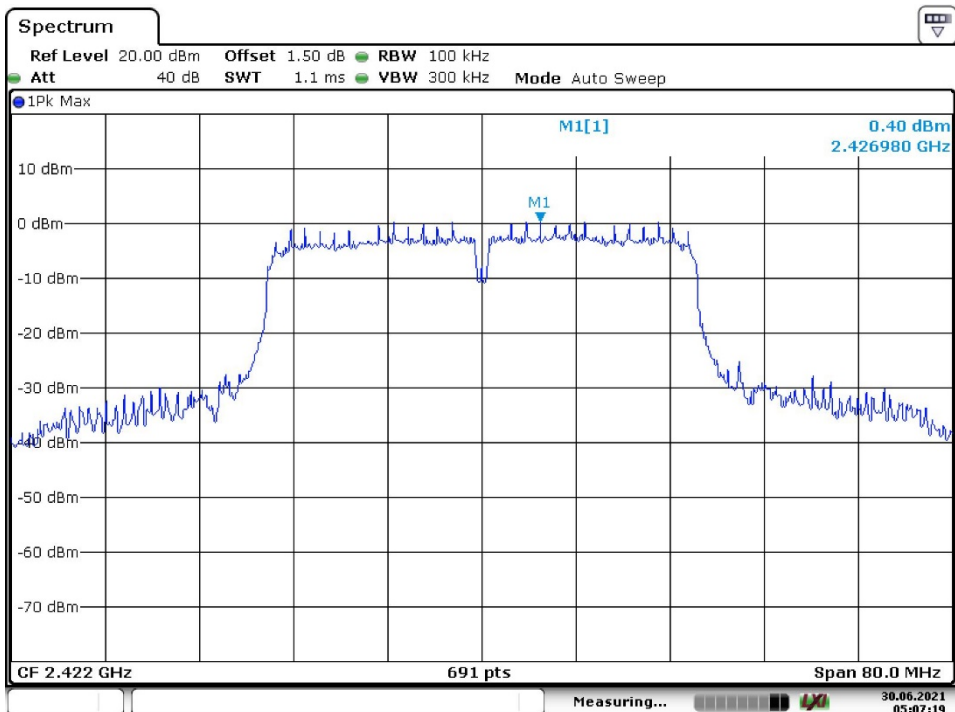


Date: 30.JUN.2021 04:57:30

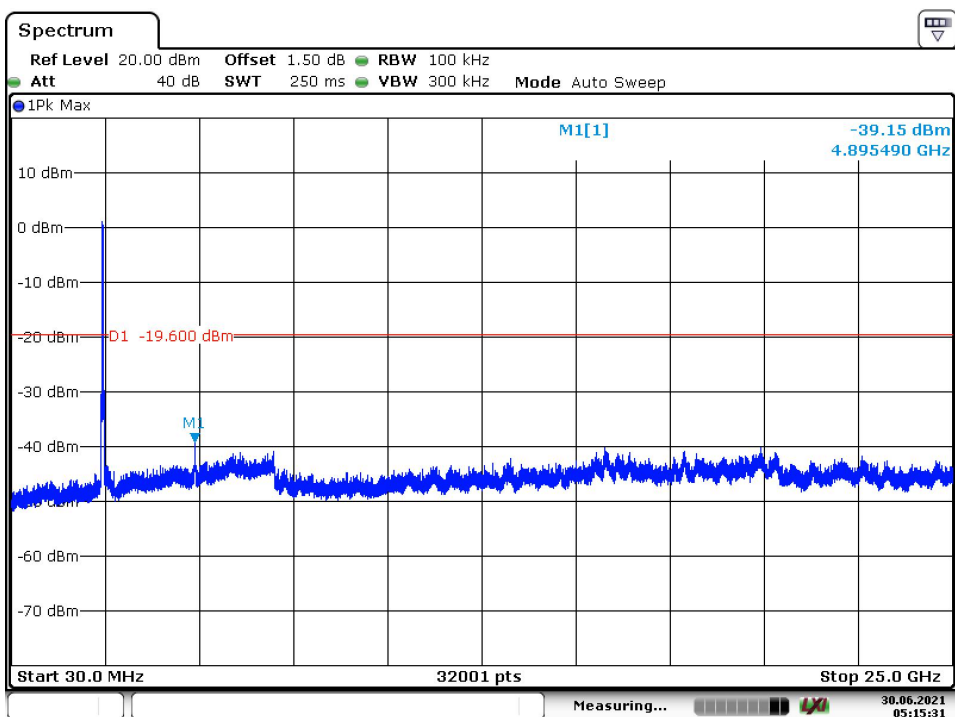


Date: 30.JUN.2021 04:59:25

Wi-Fi 802.11 n(HT40) mode, MCS0  
Low Channel

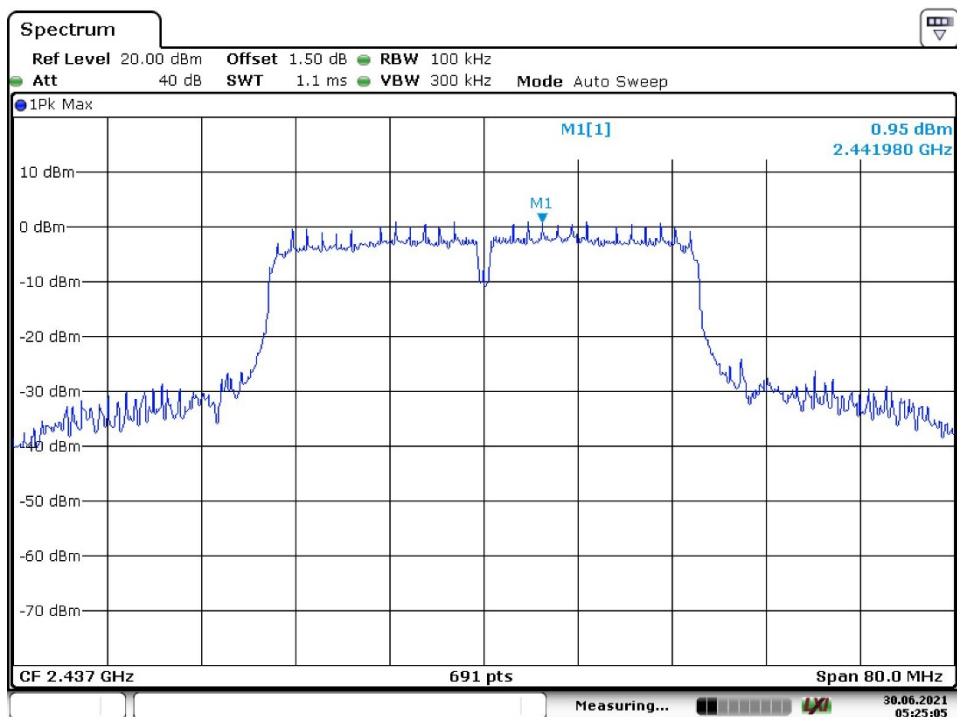


Date: 30.JUN.2021 05:07:20

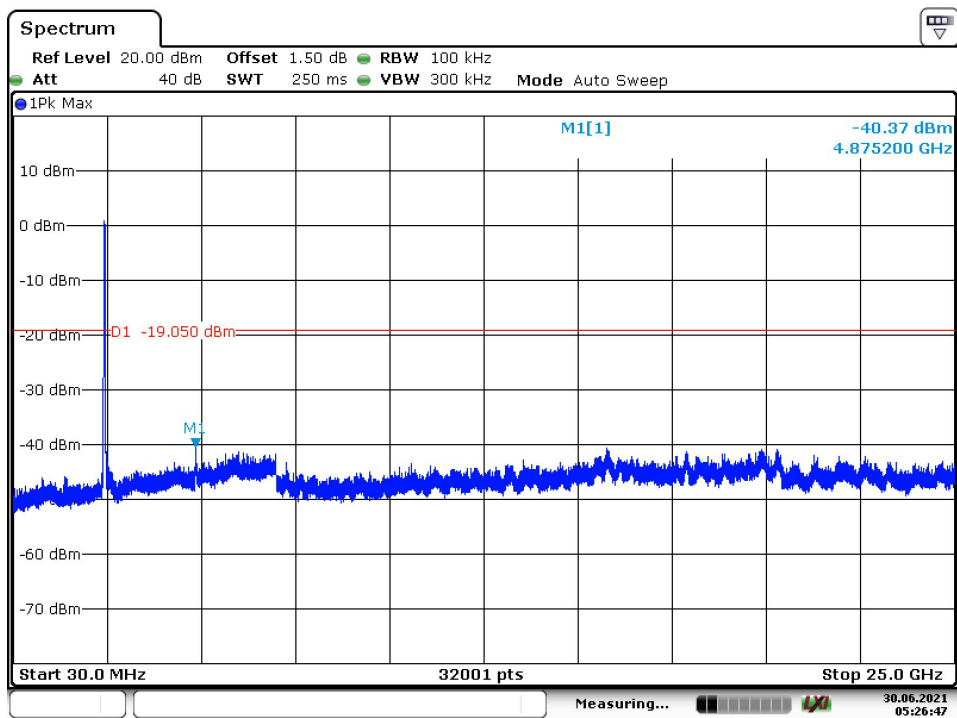


Date: 30.JUN.2021 05:15:31

Middle Channel

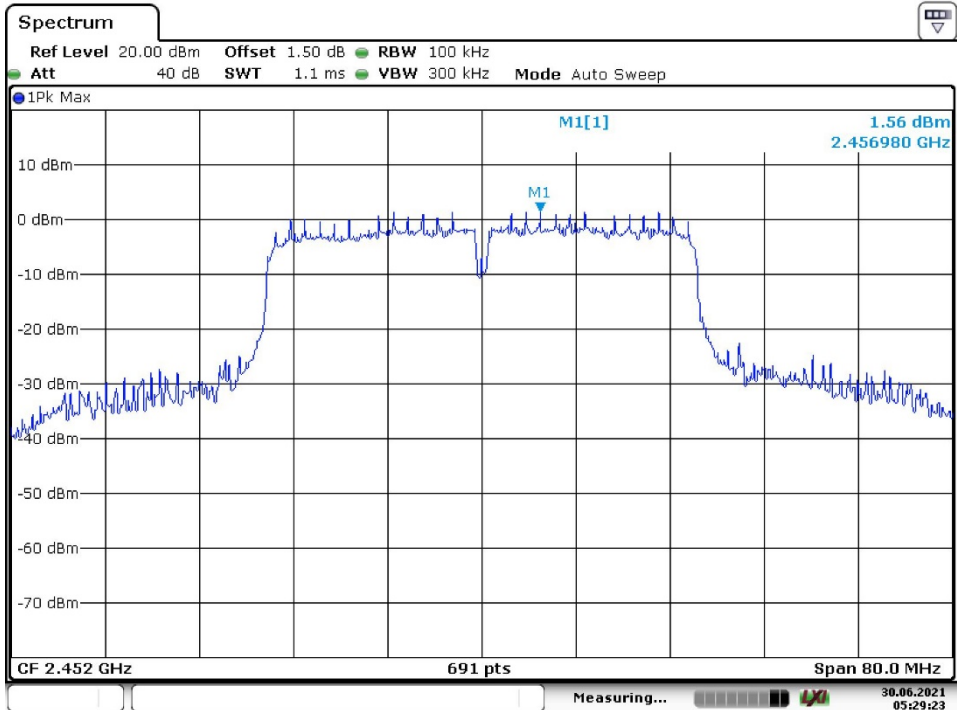


Date: 30.JUN.2021 05:25:05

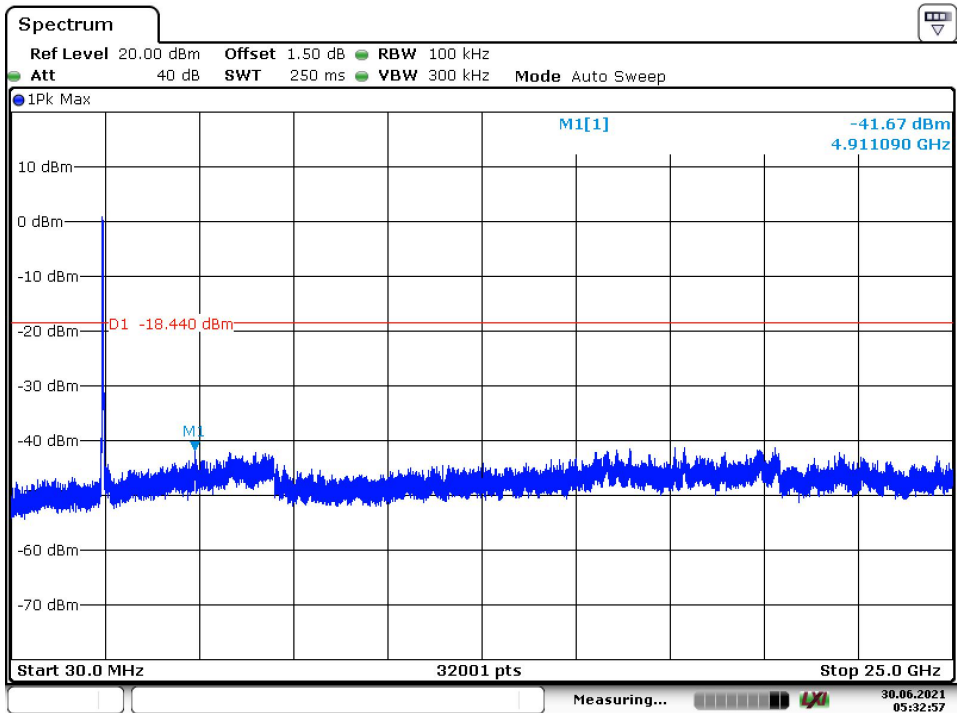


Date: 30.JUN.2021 05:26:48

### High Channel

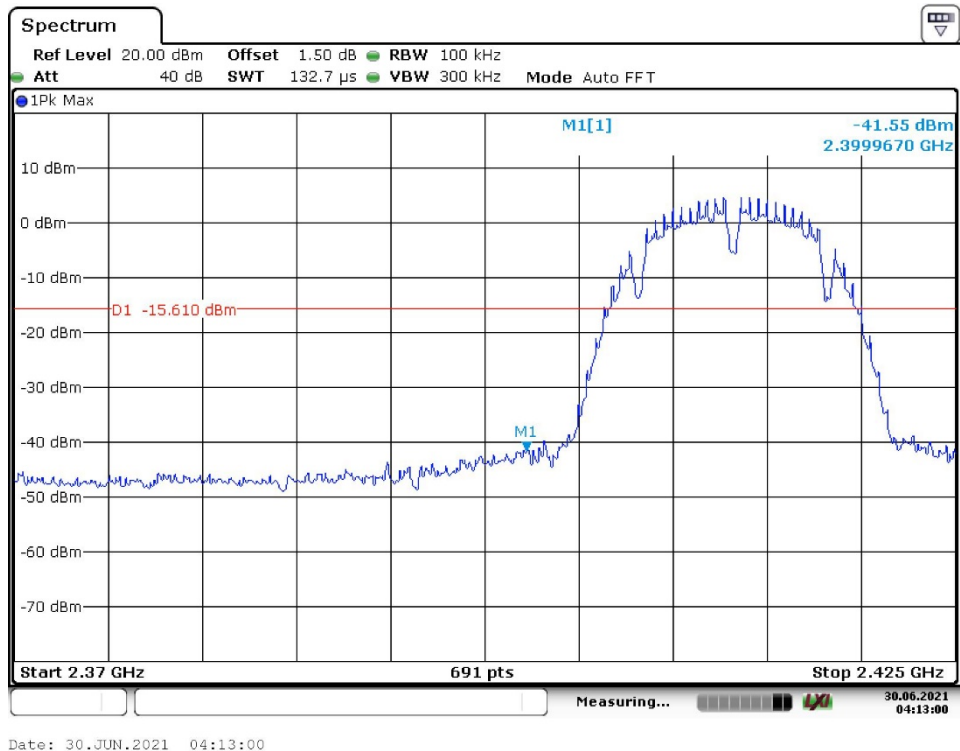


Date: 30.JUN.2021 05:29:23

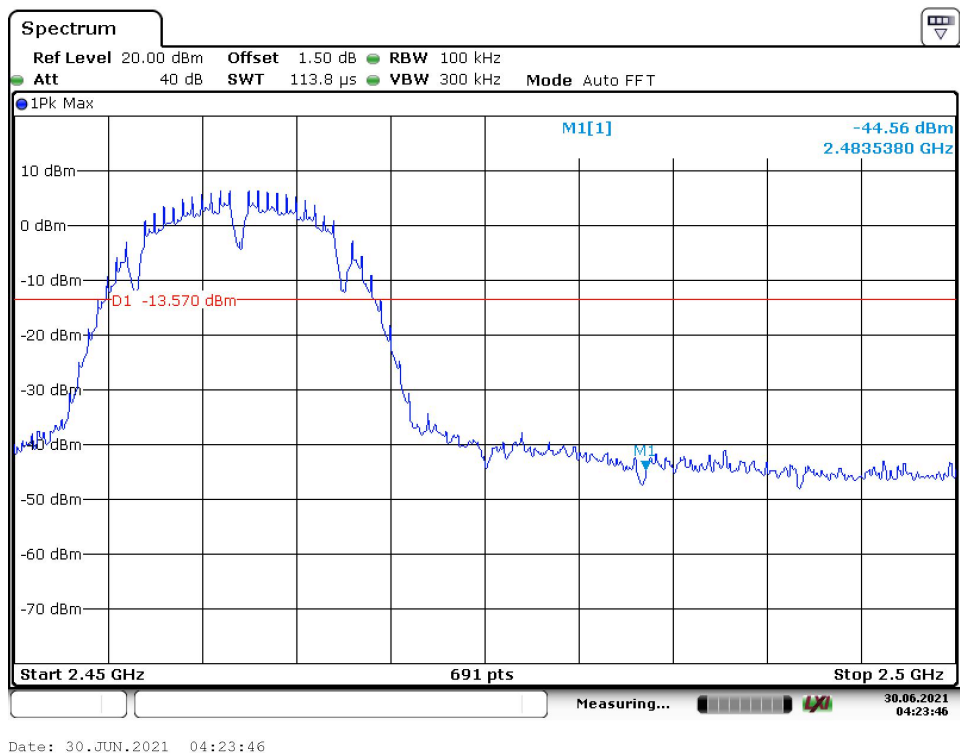


Date: 30.JUN.2021 05:32:57

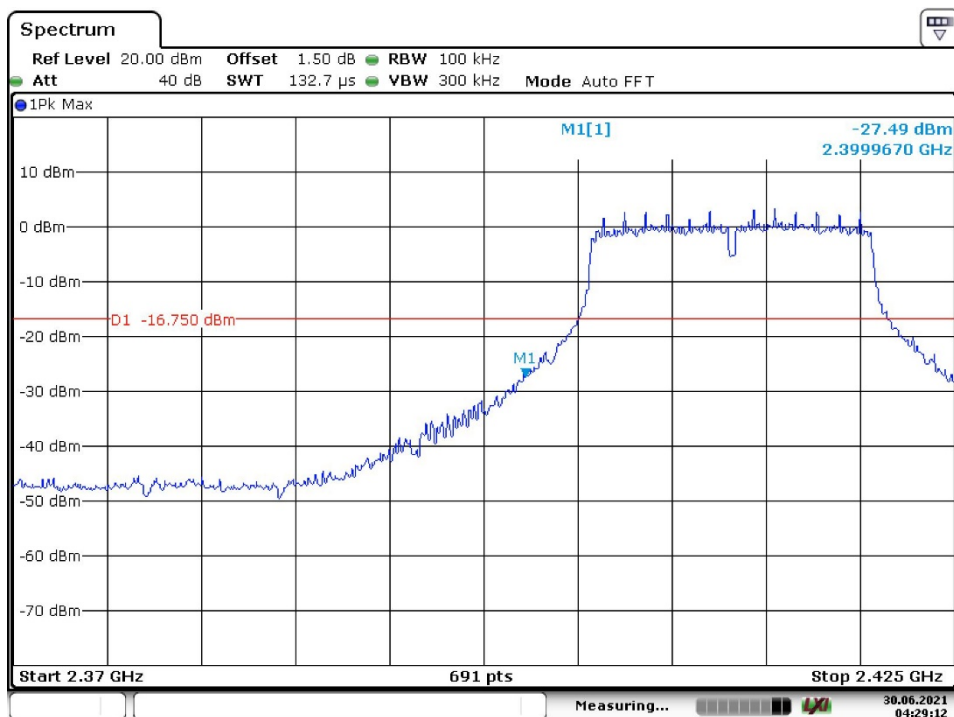
**Wi-Fi 802.11 b mode, Band Edge**  
*Low Channel*



*High Channel*

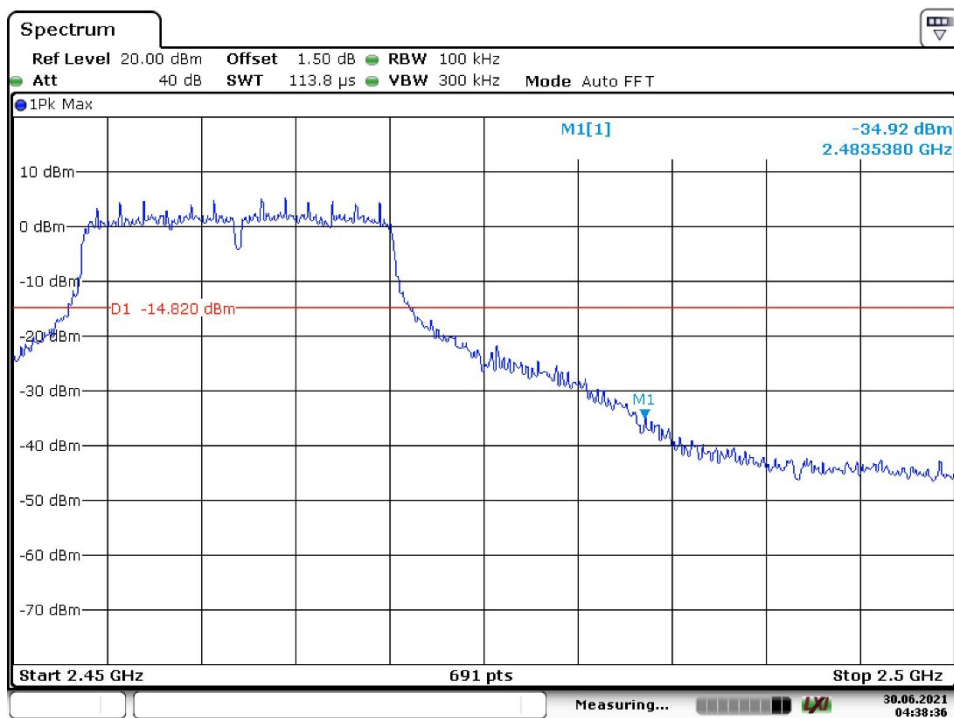


**Wi-Fi 802.11 g mode, Band Edge**  
*Low Channel*



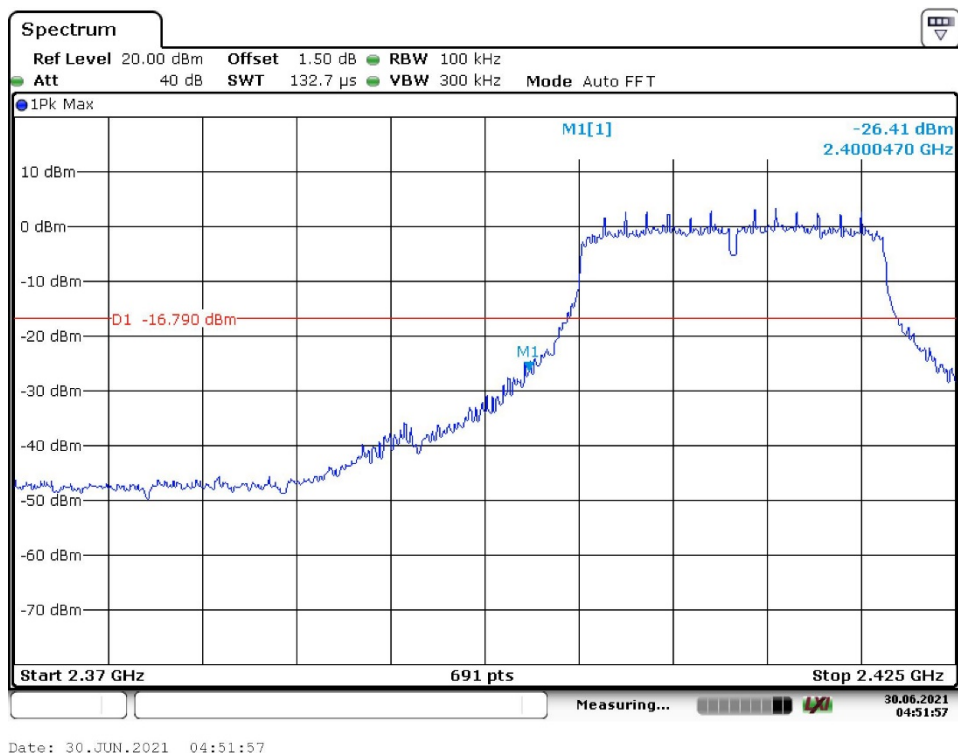
Date: 30.JUN.2021 04:29:13

*High Channel*

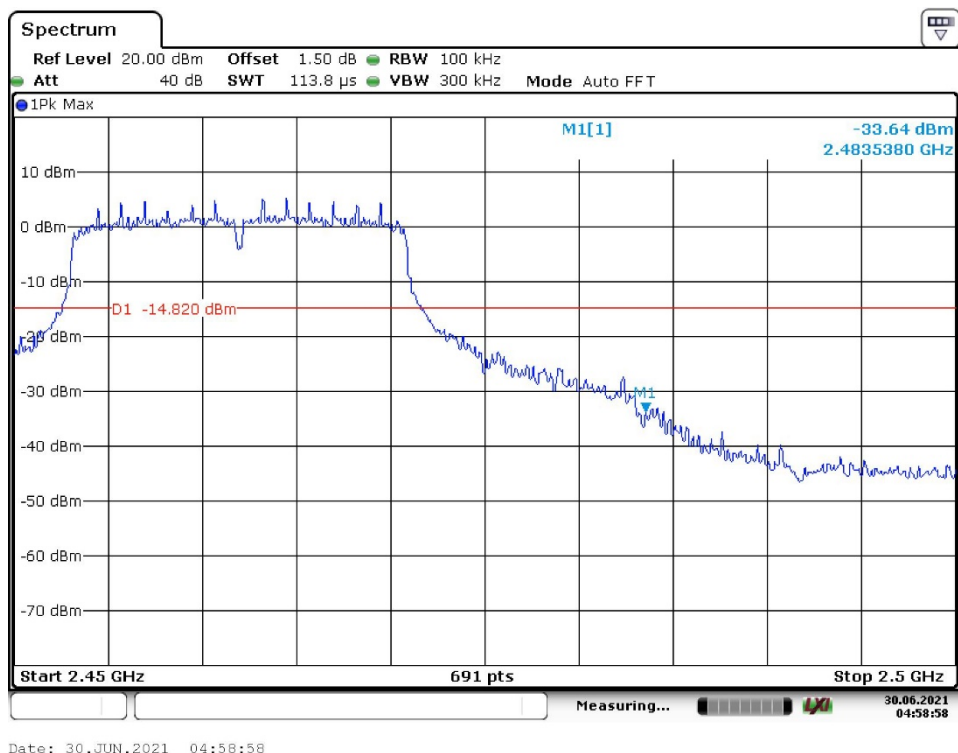


Date: 30.JUN.2021 04:38:36

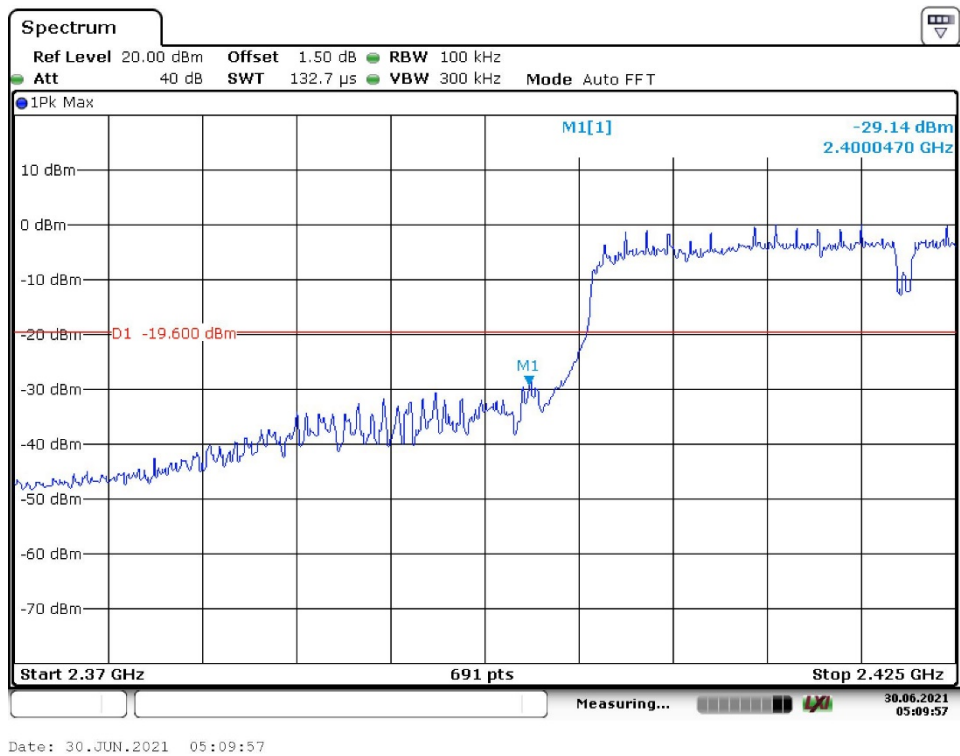
**Wi-Fi 802.11 n(HT20) mode, Band Edge**  
*Low Channel*



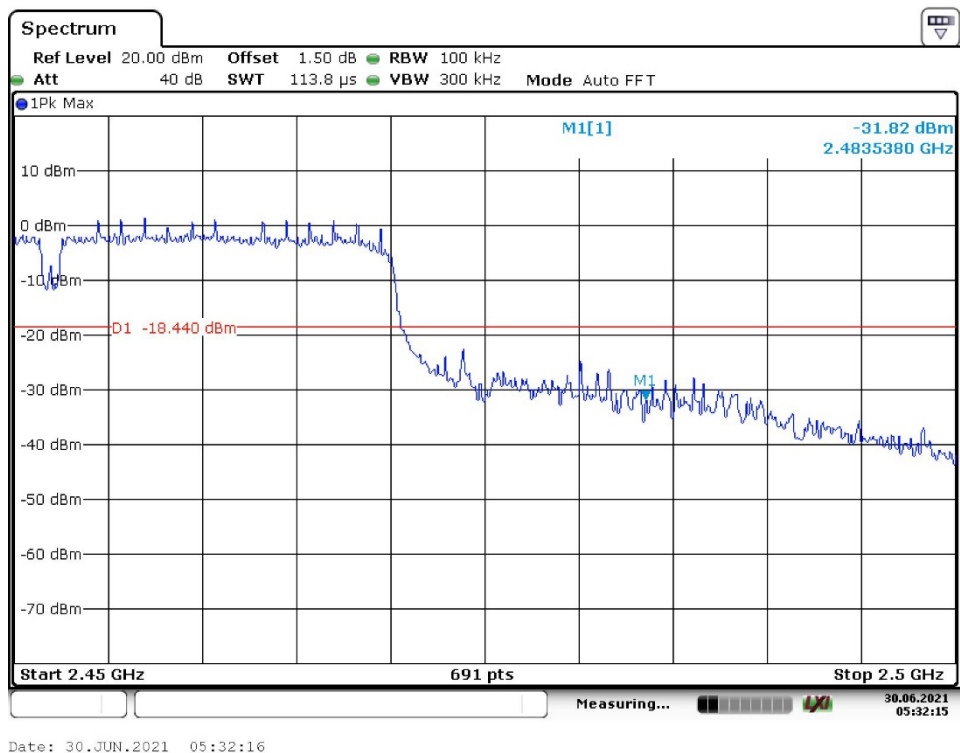
*High Channel*



**Wi-Fi 802.11 n(HT40) mode, Band Edge**  
*Low Channel*



*High Channel*



## Appendix C: Test Results of Radiated Testing

|                                                                                   |           |
|-----------------------------------------------------------------------------------|-----------|
| <b>APPENDIX C: TEST RESULTS OF RADIATED TESTING .....</b>                         | <b>1</b>  |
| <b>APPENDIX C.1: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS .....</b>            | <b>2</b>  |
| <i>Wi-Fi 802.11 b mode, 1 Mbps</i> .....                                          | 2         |
| <b>APPENDIX C.2: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS .....</b> | <b>18</b> |
| <i>Wi-Fi 802.11 b mode, 1 Mbps</i> .....                                          | 18        |
| <i>Wi-Fi 802.11 g mode, 6 Mbps</i> .....                                          | 22        |
| <i>Wi-Fi 802.11 n(HT20) mode, MCS0</i> .....                                      | 26        |
| <i>Wi-Fi 802.11 n(HT40) mode, MCS0</i> .....                                      | 30        |
| <b>APPENDIX C.3: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS .....</b>         | <b>34</b> |

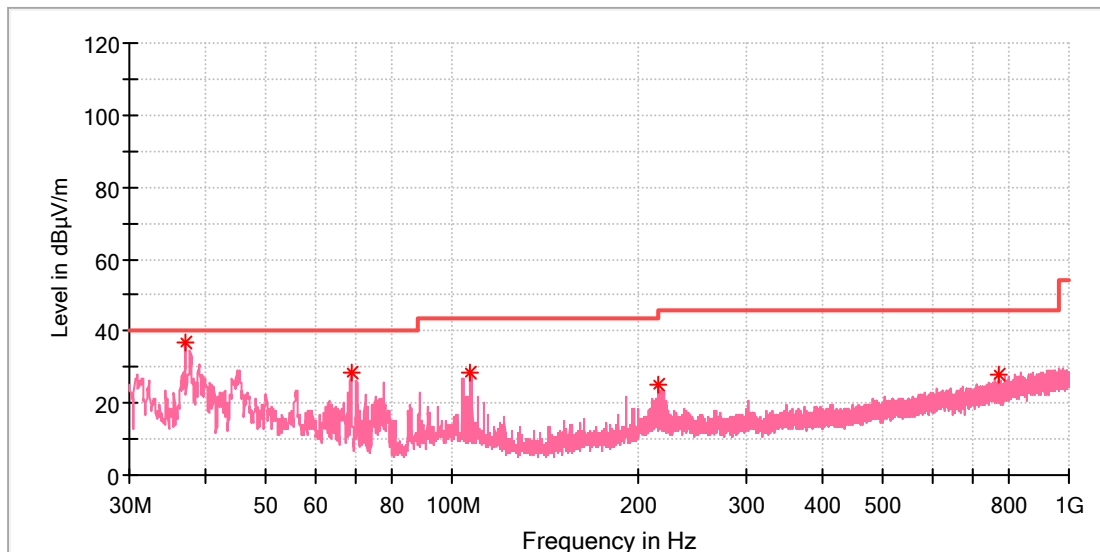
Note 1: Testing was carried out within frequency range 9 kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

## Appendix C.1: Test Results of Radiated Spurious Emissions

Wi-Fi 802.11 b mode, 1 Mbps  
30MHz - 18GHz

### EUT Information

|                |                                |
|----------------|--------------------------------|
| EUT Name:      | Smart Air Purifying Humidifier |
| Model:         | LAH302                         |
| Test Mode:     | WIFI 2.4G_11b_Low channel      |
| Test Voltage:: | AC 120V, 60Hz                  |
| Remark:        | Temp 23 Humi:51%               |
| Test Standard: | FCC 15.247                     |
| Tested By:     | Kei Zhang                      |
| Reviewed By:   | Terry Yin                      |

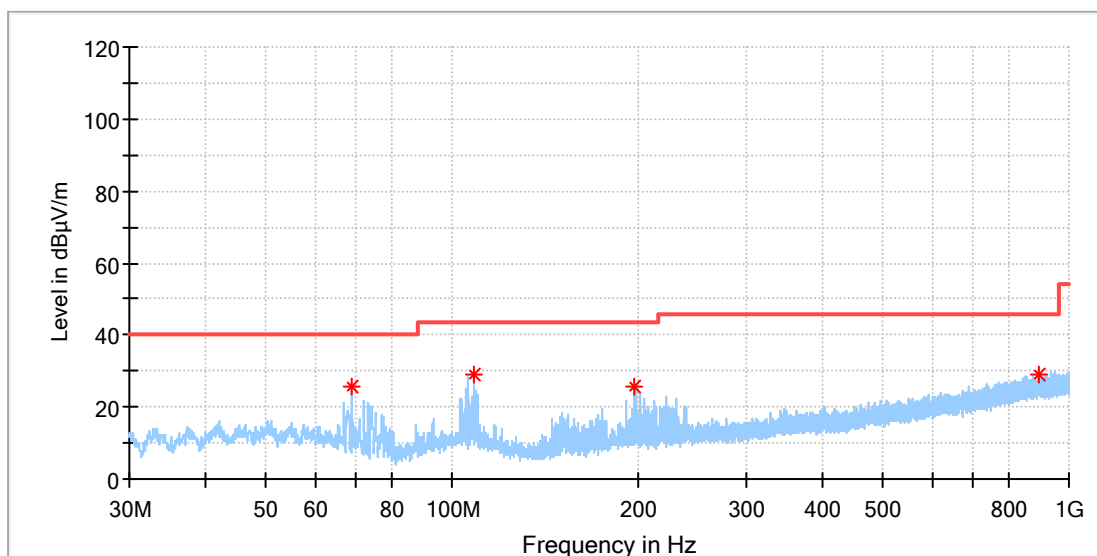


### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 36.984000       | 36.86            | 40.00          | 3.14        | 100.0       | V   | 209.0         | -21.2        |
| 68.606000       | 28.38            | 40.00          | 11.62       | 100.0       | V   | 0.0           | -21.3        |
| 107.163500      | 28.33            | 43.50          | 15.17       | 100.0       | V   | 177.0         | -18.9        |
| 215.512500      | 24.86            | 43.50          | 18.64       | 100.0       | V   | 75.0          | -18.7        |
| 769.285500      | 27.84            | 46.00          | 18.16       | 100.0       | V   | 6.0           | -6.9         |

## EUT Information

EUT Name: Smart Air Purifying Humidifier  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_Low channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin

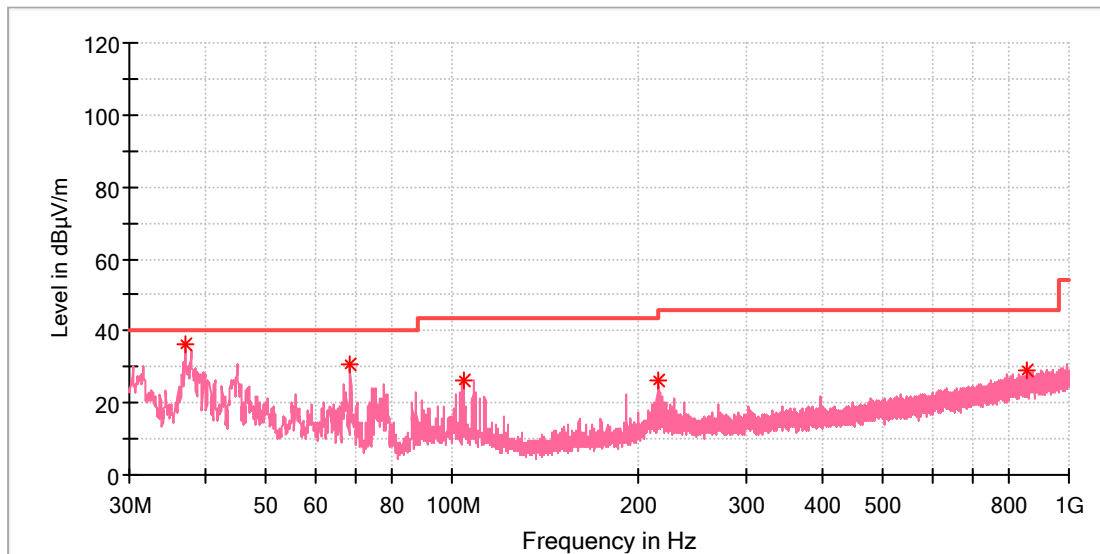


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 68.897000       | 25.65            | 40.00          | 14.35       | 100.0       | H   | 82.0          | -21.4        |
| 108.376000      | 28.80            | 43.50          | 14.70       | 100.0       | H   | 65.0          | -19.0        |
| 197.325000      | 25.93            | 43.50          | 17.57       | 100.0       | H   | 289.0         | -19.1        |
| 892.233000      | 29.21            | 46.00          | 16.79       | 100.0       | H   | 185.0         | -5.0         |

## EUT Information

EUT Name: Smart Air Purifying Humidifie  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_High channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin

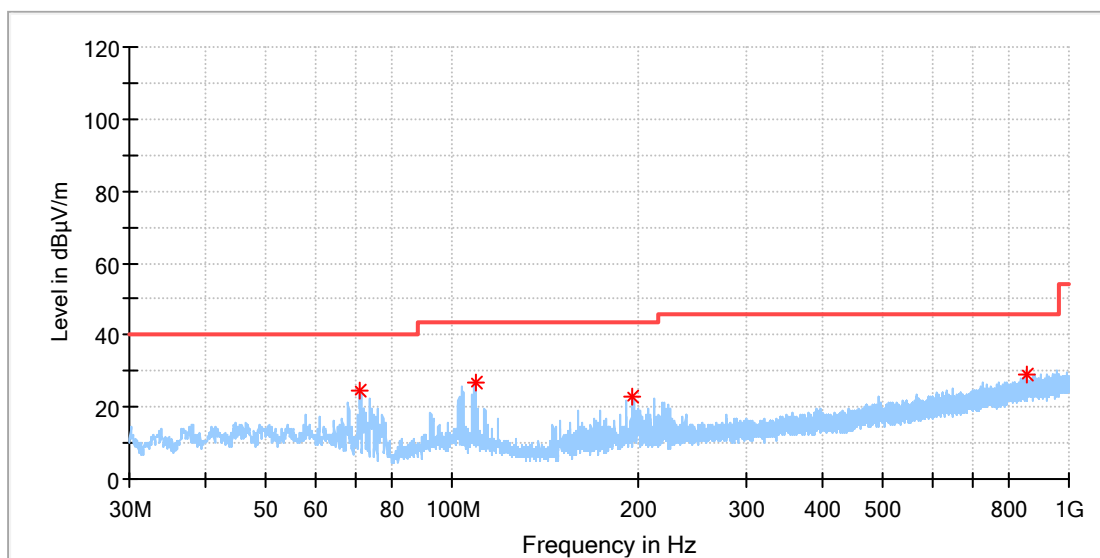


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 36.935500       | 36.51            | 40.00          | 3.49        | 100.0       | V   | 115.0         | -21.2        |
| 68.412000       | 30.89            | 40.00          | 9.11        | 100.0       | V   | 122.0         | -21.3        |
| 104.399000      | 26.37            | 43.50          | 17.13       | 100.0       | V   | 336.0         | -18.8        |
| 216.143000      | 26.13            | 46.00          | 19.87       | 100.0       | V   | 31.0          | -18.7        |
| 855.906500      | 28.88            | 46.00          | 17.12       | 100.0       | V   | 61.0          | -5.4         |

## EUT Information

EUT Name: Smart Air Purifying Humidifie  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_High channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



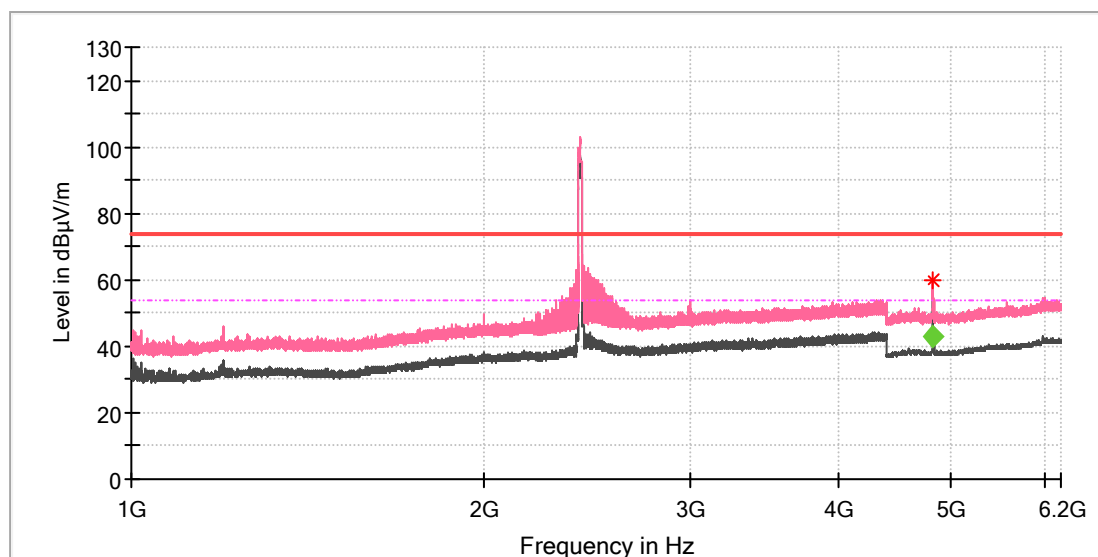
## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 70.837000       | 24.47            | 40.00          | 15.53       | 100.0       | H   | 302.0         | -22.1        |
| 109.249000      | 26.73            | 43.50          | 16.77       | 100.0       | H   | 292.0         | -19.0        |
| 195.918500      | 22.79            | 43.50          | 20.71       | 100.0       | H   | 121.0         | -19.1        |
| 852.899500      | 29.21            | 46.00          | 16.79       | 100.0       | H   | 163.0         | -5.5         |

## 1GHz - 6.2GHz

### EUT Information

EUT Name: Smart Air Purifying Humidifie  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_Low channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



### Critical\_Freqs

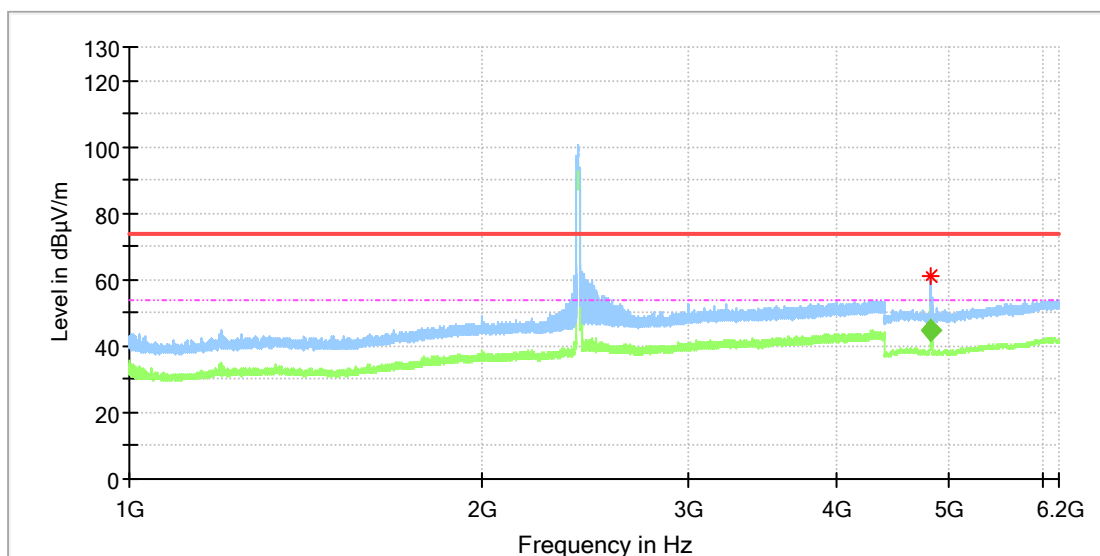
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4824.000000     | 59.92            | ---              | 74.00          | 14.08       | 150.0       | V   | 38.0          | 11.8         |

### Final\_Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4824.069444     | 43.09            | 54.00          | 10.91       | 151.0       | V   | 33.0          | 11.8         |

## EUT Information

EUT Name: Smart Air Purifying Humidifier  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_Low channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

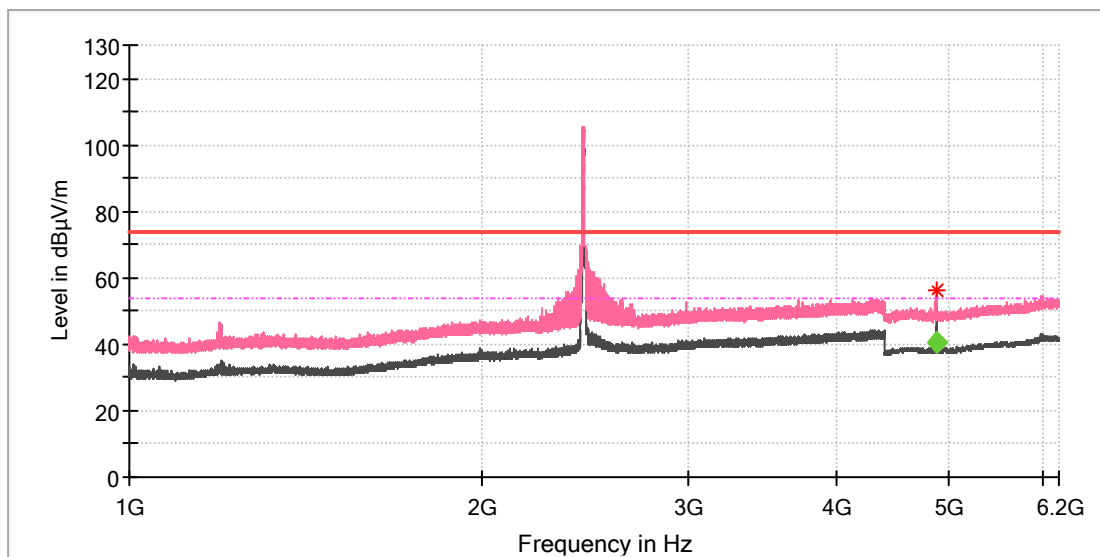
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4824.000000     | 60.98            | ---              | 74.00          | 13.02       | 150.0       | H   | 322.0         | 11.8         |

## Final Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4824.083333     | 44.72            | 54.00          | 9.28        | 148.0       | H   | 91.0          | 11.8         |

## EUT Information

EUT Name: Smart Air Purifying Humidifie  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_Mid channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

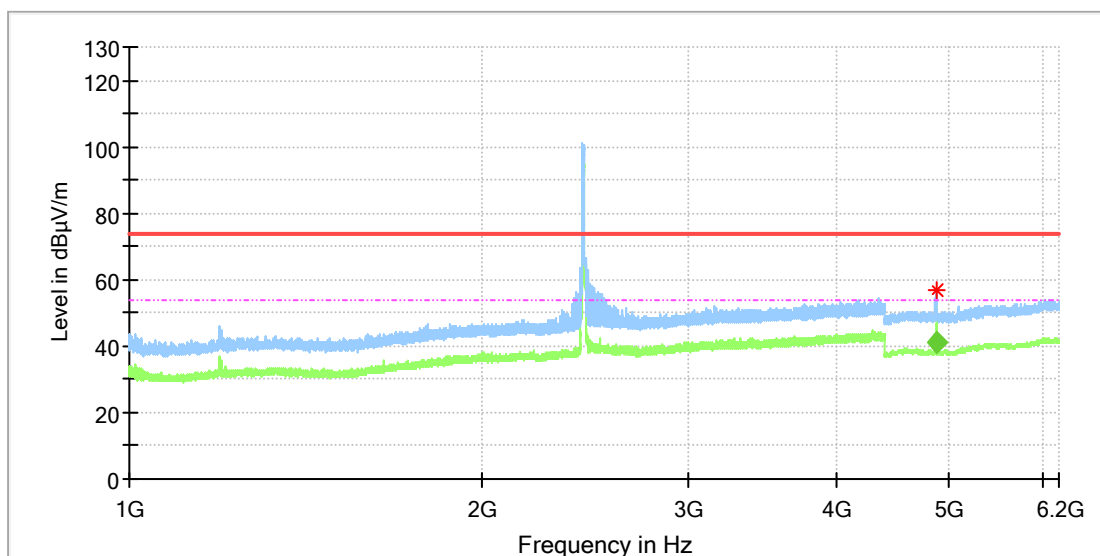
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4874.000000     | 56.22            | ---              | 74.00          | 17.78       | 150.0       | V   | 9.0           | 11.8         |

## Final\_Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4874.119444     | 40.42            | 54.00          | 13.58       | 145.0       | V   | 4.0           | 11.8         |

## EUT Information

EUT Name: Smart Air Purifying Humidifier  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_Mid channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

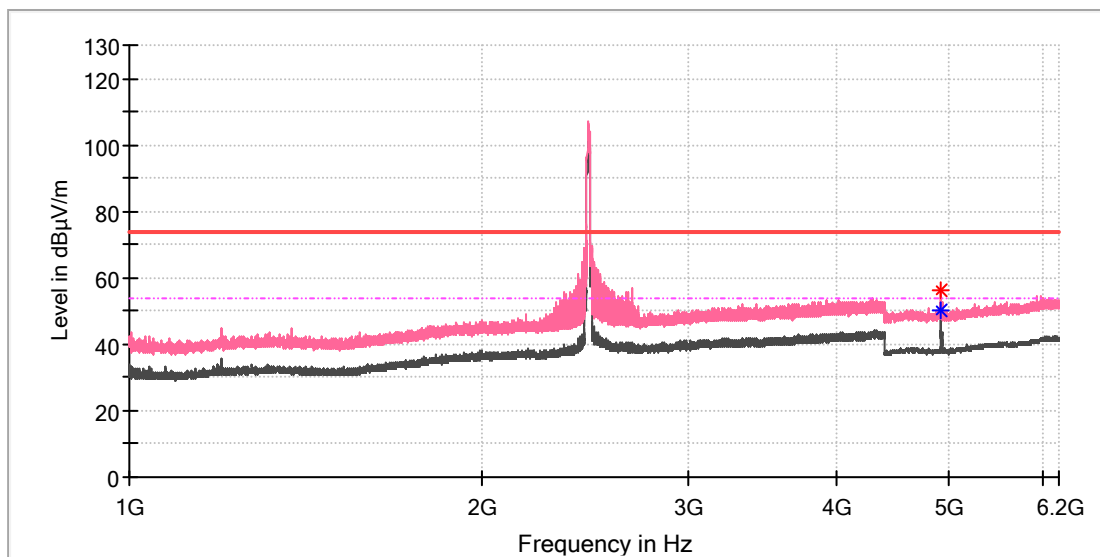
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4874.000000     | 56.56            | ---              | 74.00          | 17.44       | 150.0       | H   | 1.0           | 11.8         |

## Final\_Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4874.063889     | 41.38            | 54.00          | 12.62       | 150.0       | H   | -1.0          | 11.8         |

## EUT Information

EUT Name: Smart Air Purifying Humidifie  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_High channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin

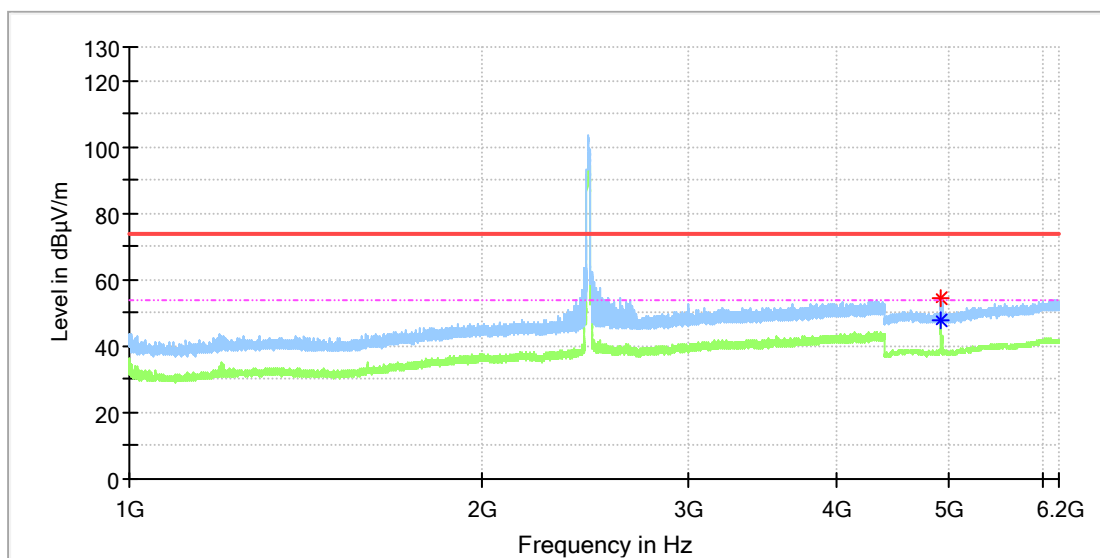


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4923.500000     | ---              | 50.14            | 54.00          | 3.86        | 150.0       | V   | 167.0         | 11.8         |
| 4924.000000     | 56.25            | ---              | 74.00          | 17.75       | 150.0       | V   | 81.0          | 11.8         |

## EUT Information

EUT Name: Smart Air Purifying Humidifier  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_High channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



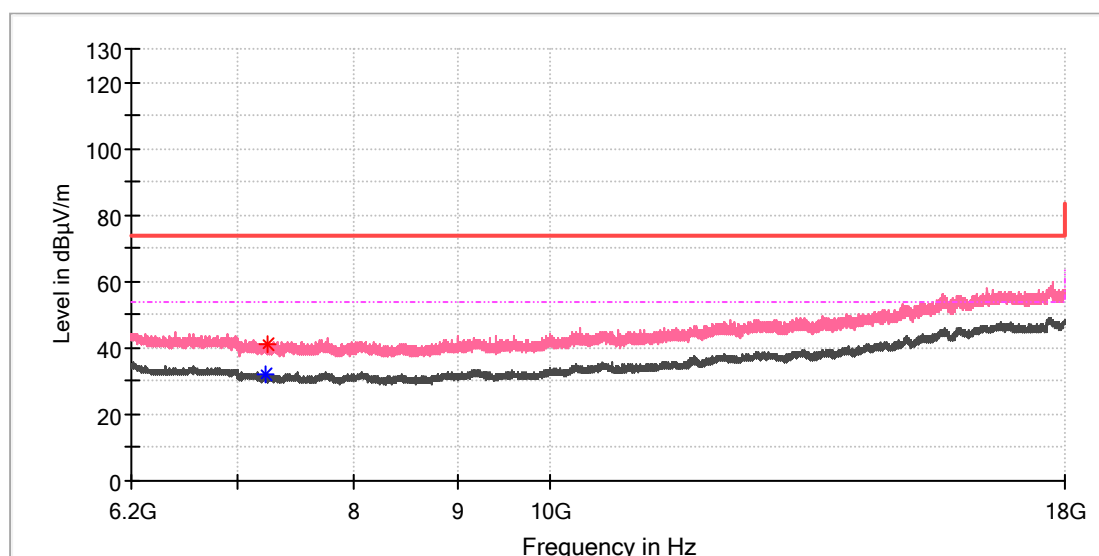
## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4924.500000     | ---              | 48.02            | 54.00          | 5.98        | 150.0       | H   | 16.0          | 11.8         |
| 4925.000000     | 54.36            | ---              | 74.00          | 19.64       | 150.0       | H   | 16.0          | 11.8         |

## 6.2GHz - 18GHz

### EUT Information

EUT Name: Smart Air Purifying Humidifie  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_Low channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin

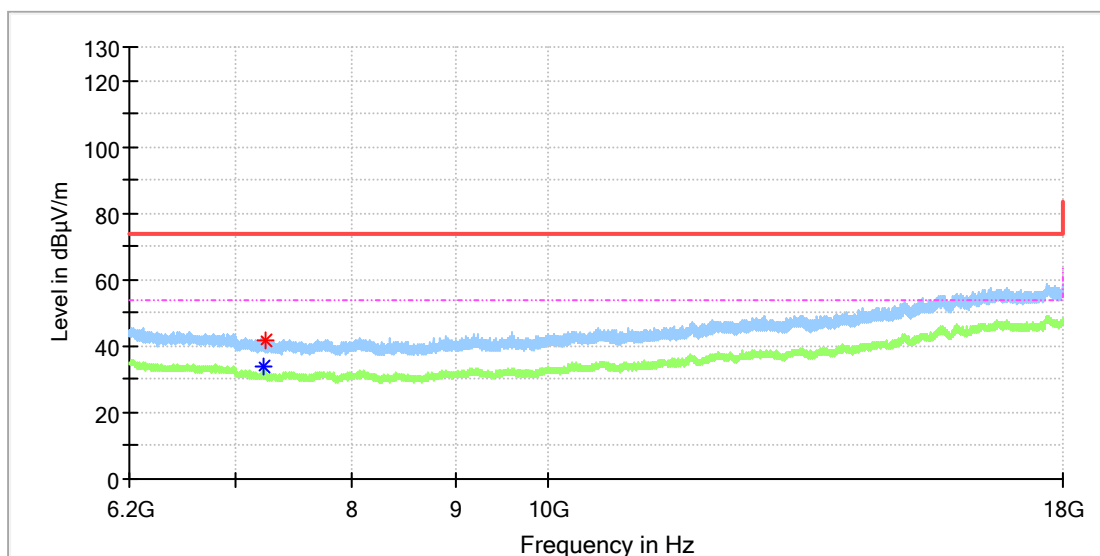


### Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7232.991667     | ---              | 32.34            | 54.00          | 21.66       | 150.0       | V   | 46.0          | 8.6          |
| 7235.450000     | 41.18            | ---              | 74.00          | 32.82       | 150.0       | V   | 46.0          | 8.6          |

## EUT Information

EUT Name: Smart Air Purifying Humidifie  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_Low channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin

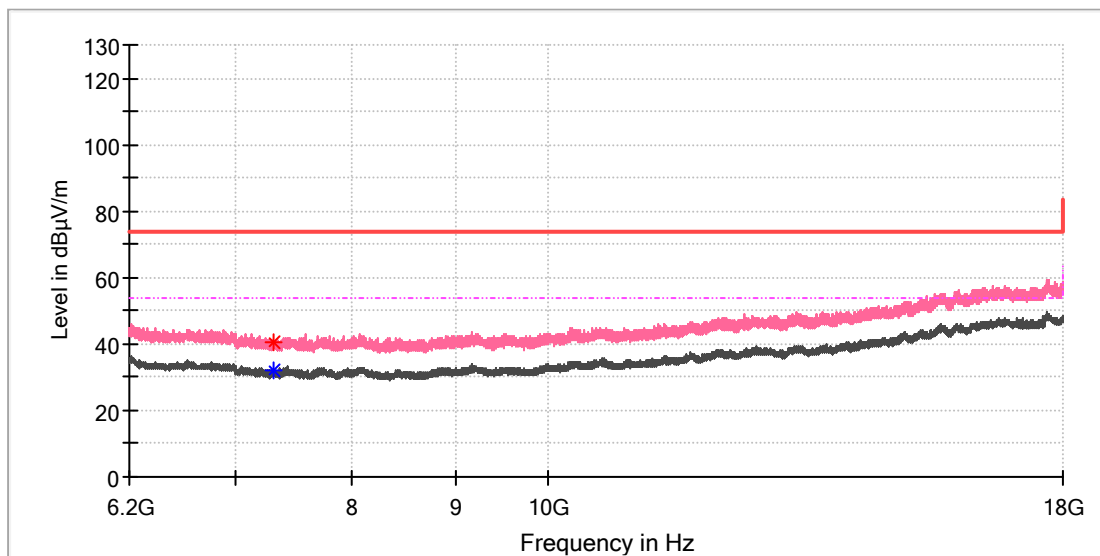


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7234.958333     | ---              | 33.75            | 54.00          | 20.25       | 150.0       | H   | 245.0         | 8.6          |
| 7235.941667     | 42.02            | ---              | 74.00          | 31.98       | 150.0       | H   | 177.0         | 8.6          |

## EUT Information

EUT Name: Smart Air Purifying Humidifier  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_Mid channel  
Test Voltage: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin

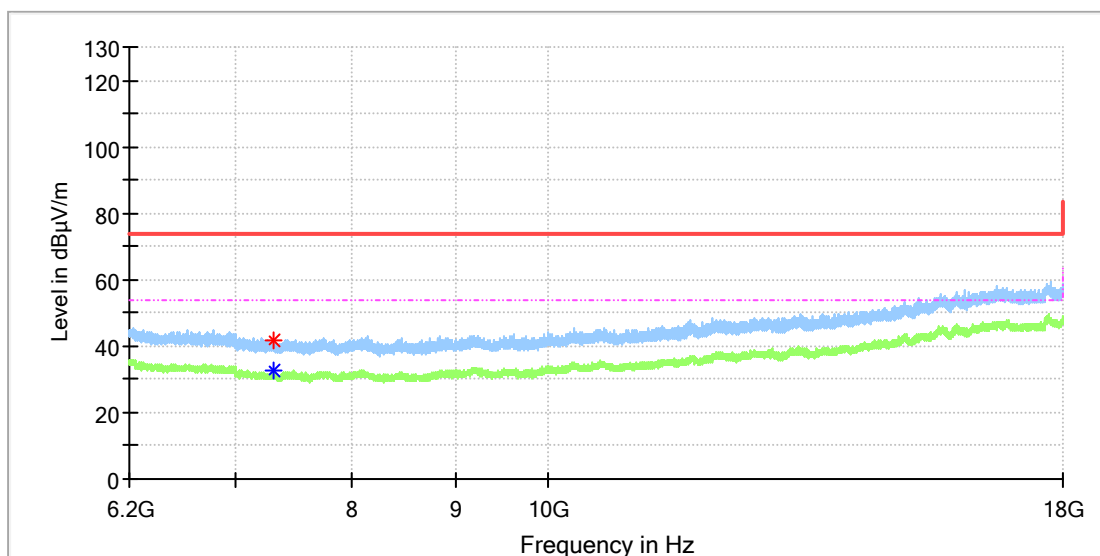


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7312.150000     | 40.62            | ---              | 74.00          | 33.38       | 150.0       | V   | 264.0         | 8.2          |
| 7312.150000     | ---              | 32.09            | 54.00          | 21.91       | 150.0       | V   | 264.0         | 8.2          |

## EUT Information

EUT Name: Smart Air Purifying Humidifier  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_Mid channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin

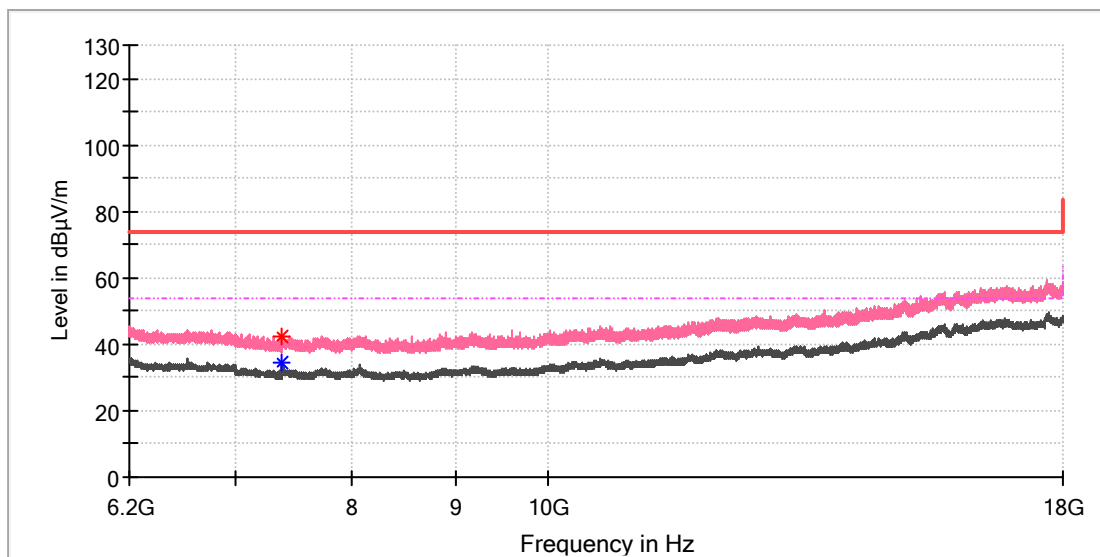


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7309.691667     | 41.60            | ---              | 74.00          | 32.40       | 150.0       | H   | 57.0          | 8.2          |
| 7314.608333     | ---              | 32.84            | 54.00          | 21.16       | 150.0       | H   | 44.0          | 8.2          |

## EUT Information

EUT Name: Smart Air Purifying Humidifie  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_High channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin

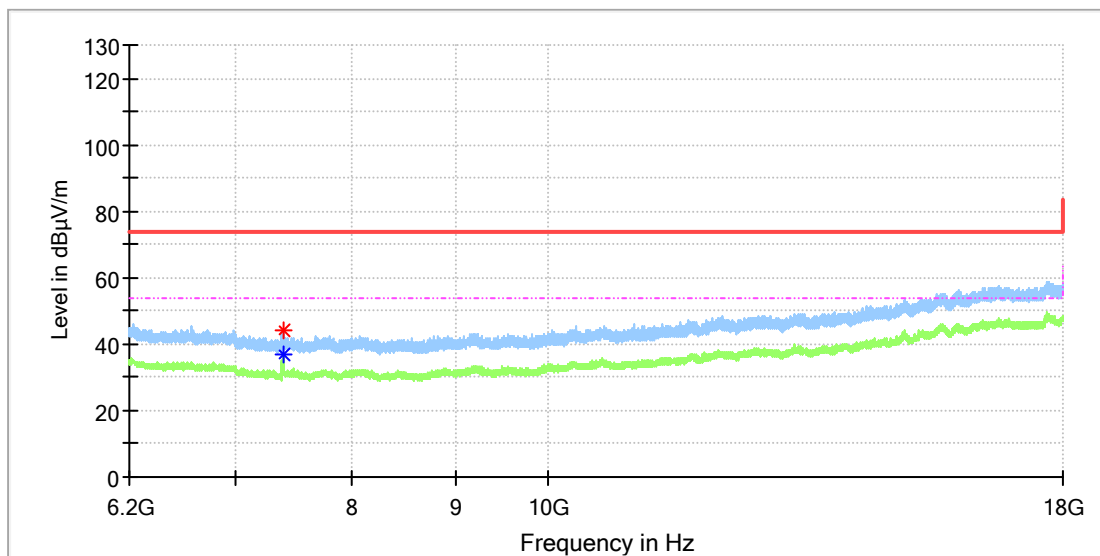


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7382.458333     | 42.58            | ---              | 74.00          | 31.42       | 150.0       | V   | 193.0         | 8.2          |
| 7382.950000     | ---              | 34.43            | 54.00          | 19.57       | 150.0       | V   | 22.0          | 8.2          |

## EUT Information

EUT Name: Smart Air Purifying Humidifie  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_High channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

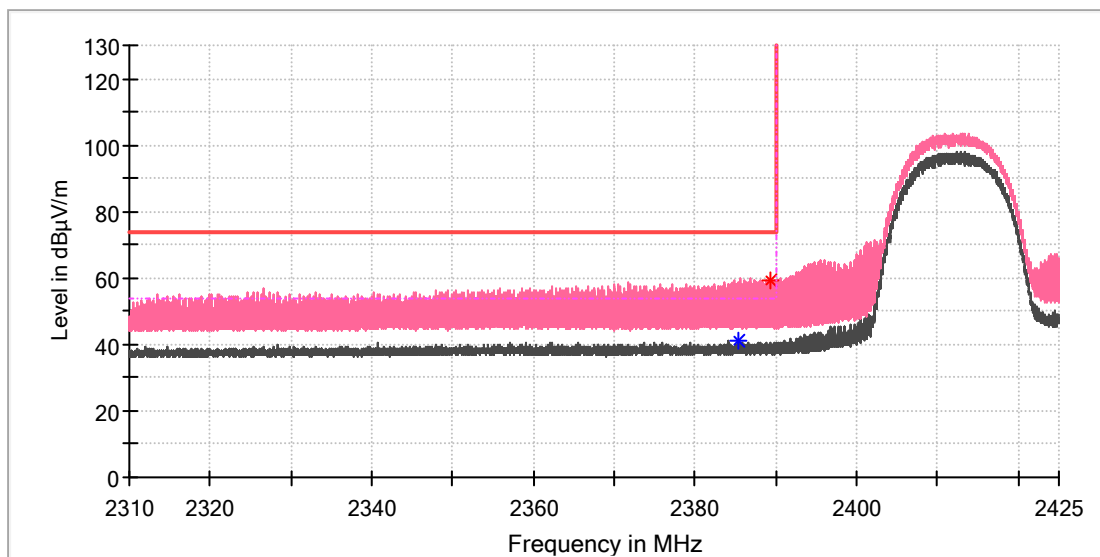
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7388.358333     | ---              | 36.88            | 54.00          | 17.12       | 150.0       | H   | 50.0          | 8.2          |
| 7388.850000     | 44.00            | ---              | 74.00          | 30.00       | 150.0       | H   | 50.0          | 8.2          |

## Appendix C.2: Test Results of Radiated Emissions in Restricted Bands

Wi-Fi 802.11 b mode, 1 Mbps  
Low channel

### EUT Information

|                |                                |
|----------------|--------------------------------|
| EUT Name:      | Smart Air Purifying Humidifier |
| Model:         | LAH302                         |
| Test Mode:     | WIFI 2.4G_11b_Low channel      |
| Test Voltage:: | AC 120V, 60Hz                  |
| Remark:        | Temp 23 Humi:51%               |
| Test Standard: | FCC 15.247                     |
| Tested By:     | Kei Zhang                      |
| Reviewed By:   | Terry Yin                      |

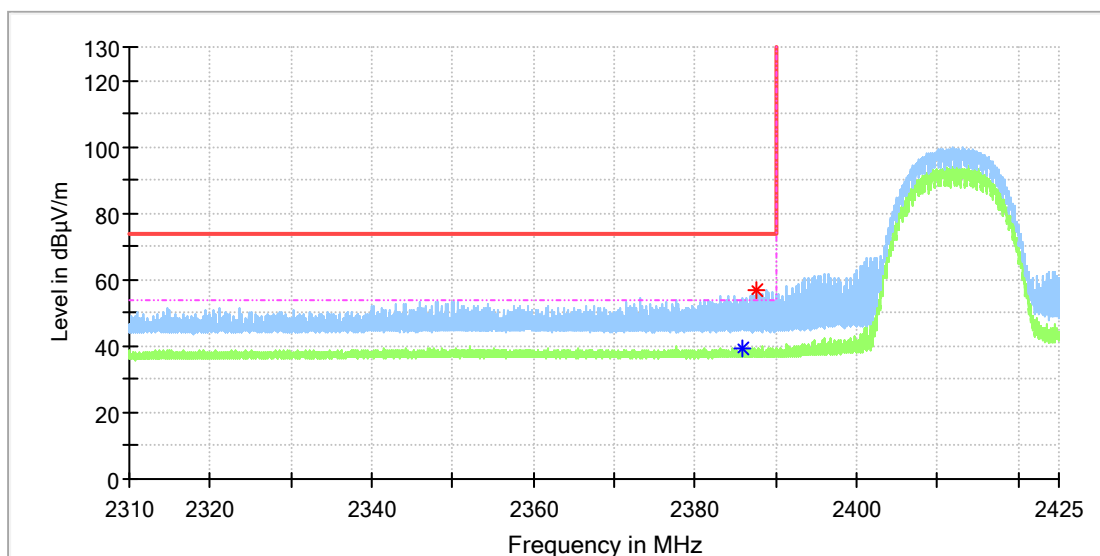


### Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2385.290500     | ---              | 41.00            | 54.00          | 13.00       | 150.0       | V   | 146.0         | 7.0          |
| 2389.321250     | 59.31            | ---              | 74.00          | 14.69       | 150.0       | V   | 146.0         | 7.0          |

## EUT Information

EUT Name: Smart Air Purifying Humidifier  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_Low channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



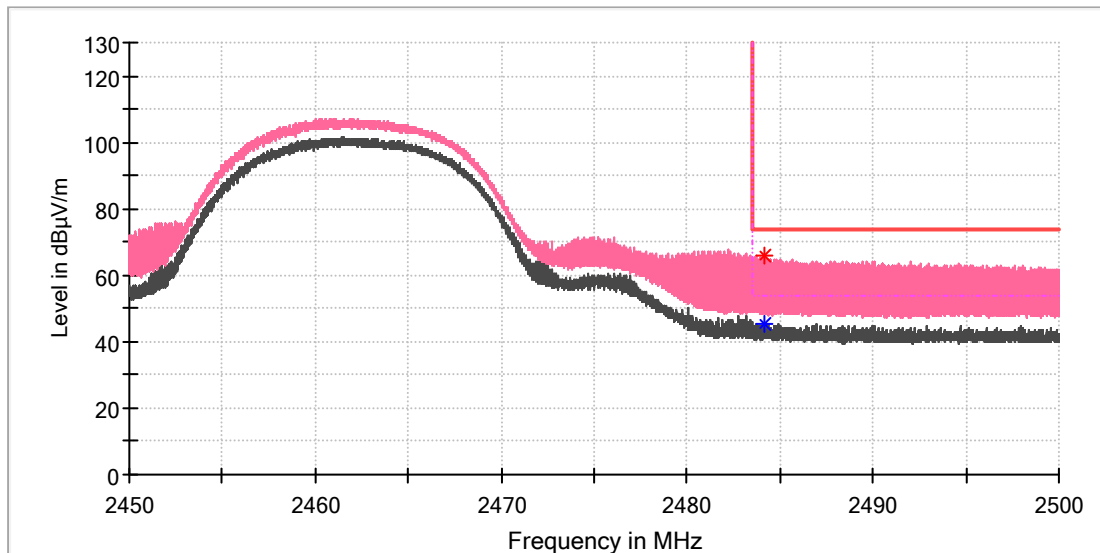
## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2385.951750     | ---              | 39.49            | 54.00          | 14.51       | 150.0       | H   | 224.0         | 7.0          |
| 2387.556000     | 56.57            | ---              | 74.00          | 17.43       | 150.0       | H   | 224.0         | 7.0          |

## High channel

### EUT Information

|                |                               |
|----------------|-------------------------------|
| EUT Name:      | Smart Air Purifying Humidifie |
| Model:         | LAH302                        |
| Test Mode:     | WIFI 2.4G_11b_High channel    |
| Test Voltage:: | AC 120V, 60Hz                 |
| Remark:        | Temp 23 Humi:51%              |
| Test Standard: | FCC 15.247                    |
| Tested By:     | Kei Zhang                     |
| Reviewed By:   | Terry Yin                     |

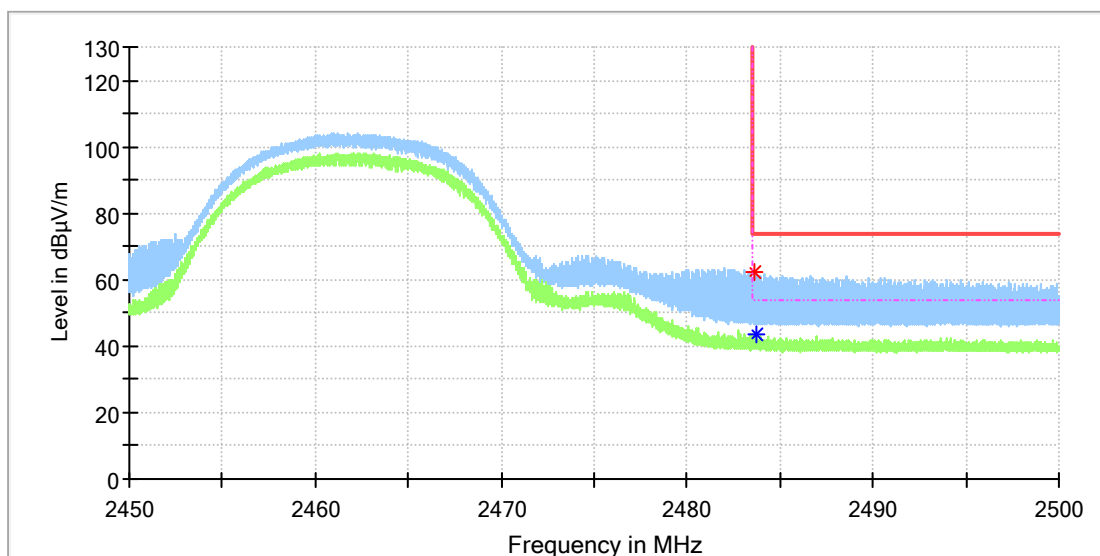


### Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.120000     | ---              | 45.47            | 54.00          | 8.53        | 150.0       | V   | 88.0          | 7.4          |
| 2484.120000     | 65.62            | ---              | 74.00          | 8.38        | 150.0       | V   | 88.0          | 7.4          |

## EUT Information

EUT Name: Smart Air Purifying Humidifier  
Model: LAH302  
Test Mode: WIFI 2.4G\_11b\_High channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



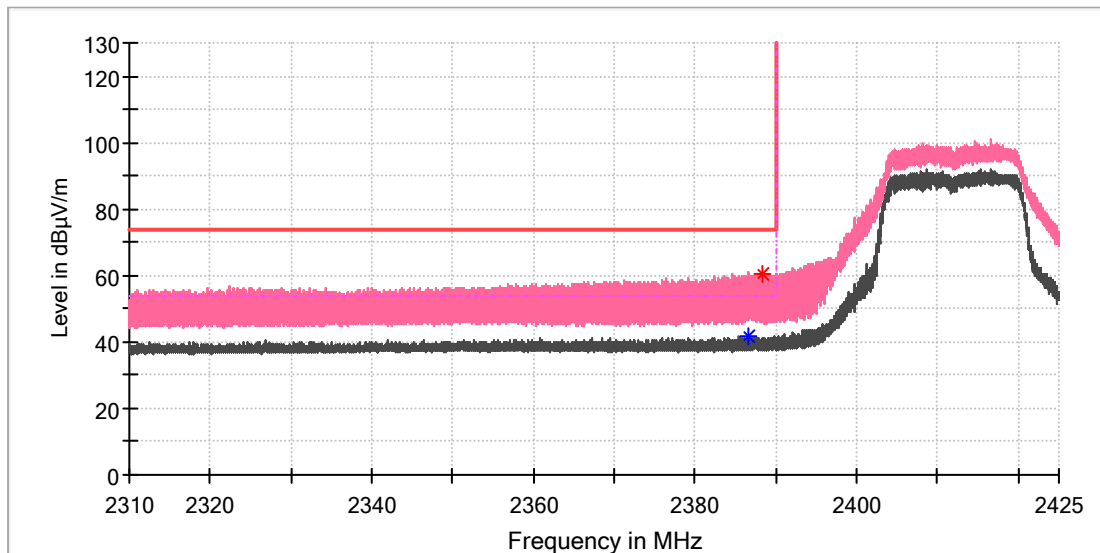
## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.617500     | 62.31            | ---              | 74.00          | 11.69       | 150.0       | H   | 214.0         | 7.4          |
| 2483.760000     | ---              | 43.27            | 54.00          | 10.73       | 150.0       | H   | 164.0         | 7.4          |

**Wi-Fi 802.11 g mode, 6 Mbps  
Low channel**

**EUT Information**

|                |                               |
|----------------|-------------------------------|
| EUT Name:      | Smart Air Purifying Humidifie |
| Model:         | LAH302                        |
| Test Mode:     | WIFI 2.4G_11g_Low channel     |
| Test Voltage:: | AC 120V, 60Hz                 |
| Remark:        | Temp 23 Humi:51%              |
| Test Standard: | FCC 15.247                    |
| Tested By:     | Kei Zhang                     |
| Reviewed By:   | Terry Yin                     |

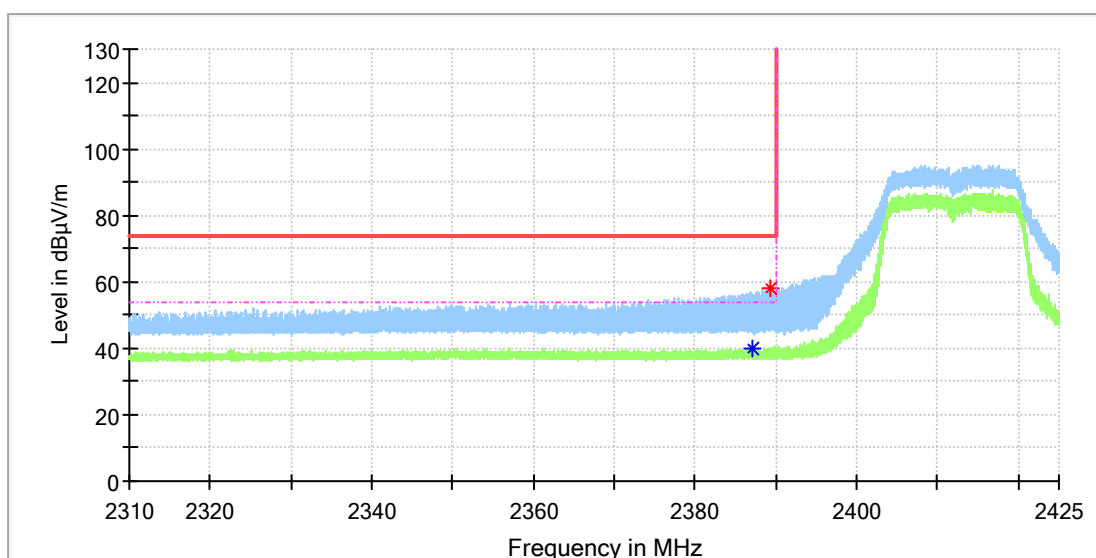


**Critical Freqs**

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2386.498000     | ---              | 41.93            | 54.00          | 12.07       | 150.0       | V   | 154.0         | 7.0          |
| 2388.274750     | 60.74            | ---              | 74.00          | 13.26       | 150.0       | V   | 154.0         | 7.0          |

## EUT Information

EUT Name: Smart Air Purifying Humidifie  
Model: LAH302  
Test Mode: WIFI 2.4G\_11g\_Low channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



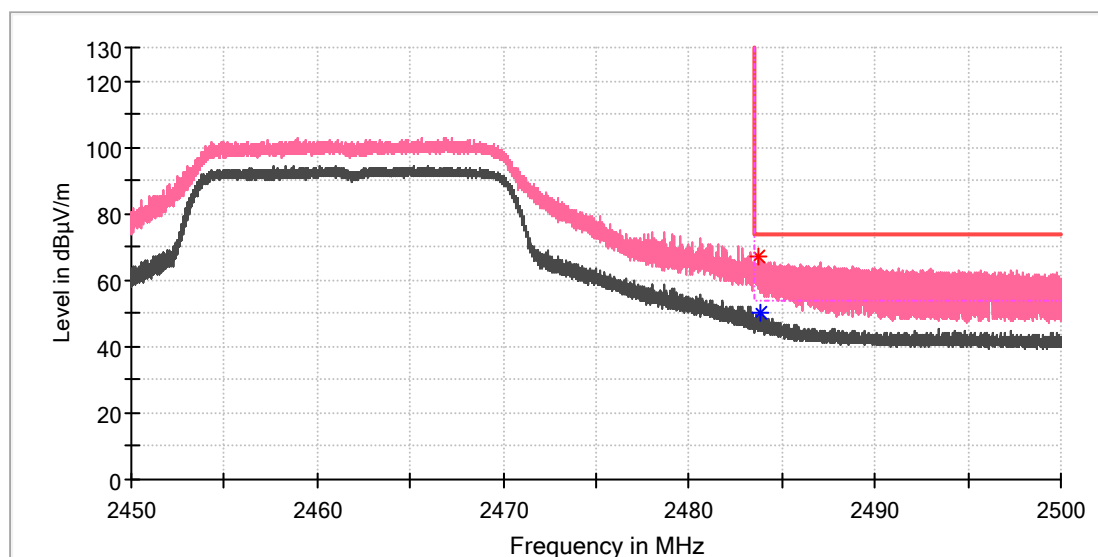
## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2386.975250     | ---              | 39.88            | 54.00          | 14.12       | 150.0       | H   | 89.0          | 7.0          |
| 2389.350000     | 58.21            | ---              | 74.00          | 15.79       | 150.0       | H   | 208.0         | 7.0          |

## High channel

## EUT Information

EUT Name: Smart Air Purifying Humidifie  
Model: LAH302  
Test Mode: WIFI 2.4G\_11g\_High channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin

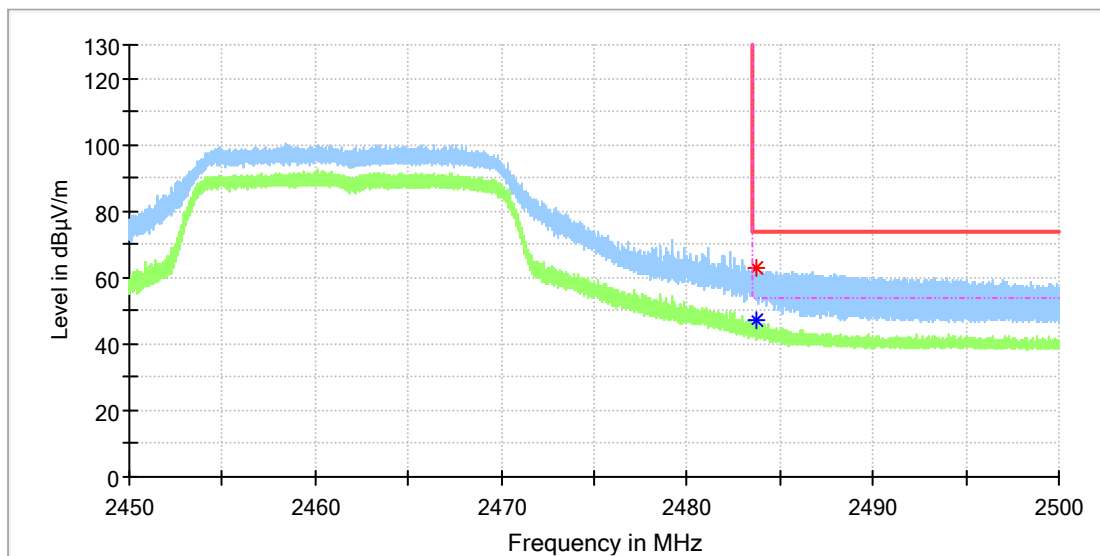


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.745000     | 66.85            | ---              | 74.00          | 7.15        | 150.0       | V   | 261.0         | 7.4          |
| 2483.800000     | ---              | 50.00            | 54.00          | 4.00        | 150.0       | V   | 77.0          | 7.4          |

## EUT Information

EUT Name: Smart Air Purifying Humidifier  
Model: LAH302  
Test Mode: WIFI 2.4G\_11g\_High channel  
Test Voltage: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



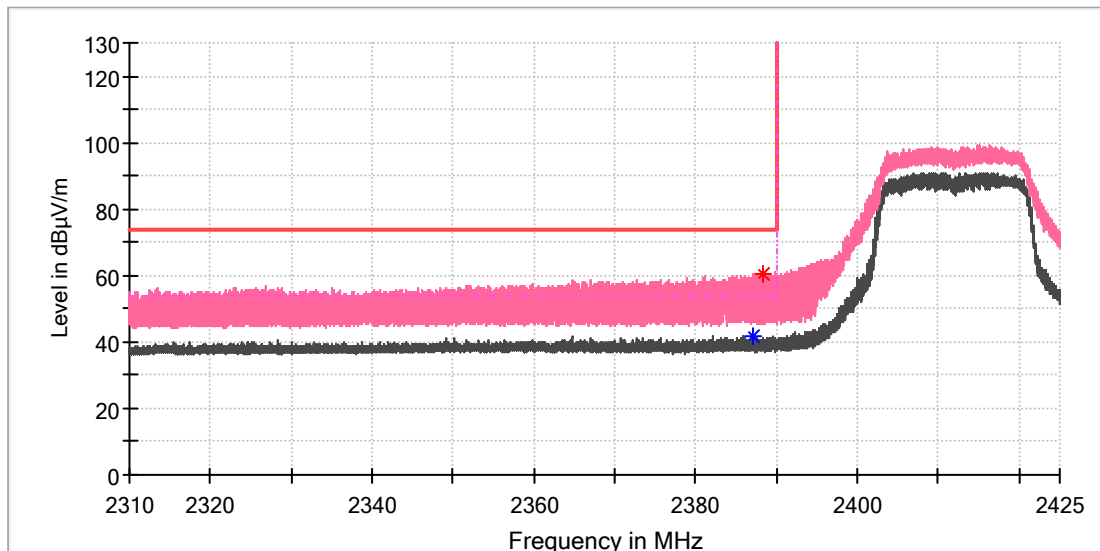
## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.715000     | 62.83            | ---              | 74.00          | 11.17       | 150.0       | H   | 195.0         | 7.4          |
| 2483.770000     | ---              | 46.88            | 54.00          | 7.12        | 150.0       | H   | 195.0         | 7.4          |

**Wi-Fi 802.11 n(HT20) mode, MCS0**  
**Low channel**

## EUT Information

|                |                               |
|----------------|-------------------------------|
| EUT Name:      | Smart Air Purifying Humidifie |
| Model:         | LAH302                        |
| Test Mode:     | WIFI 2.4G_11n20_Low channel   |
| Test Voltage:: | AC 120V, 60Hz                 |
| Remark:        | Temp 23 Humi:51%              |
| Test Standard: | FCC 15.247                    |
| Tested By:     | Kei Zhang                     |
| Reviewed By:   | Terry Yin                     |

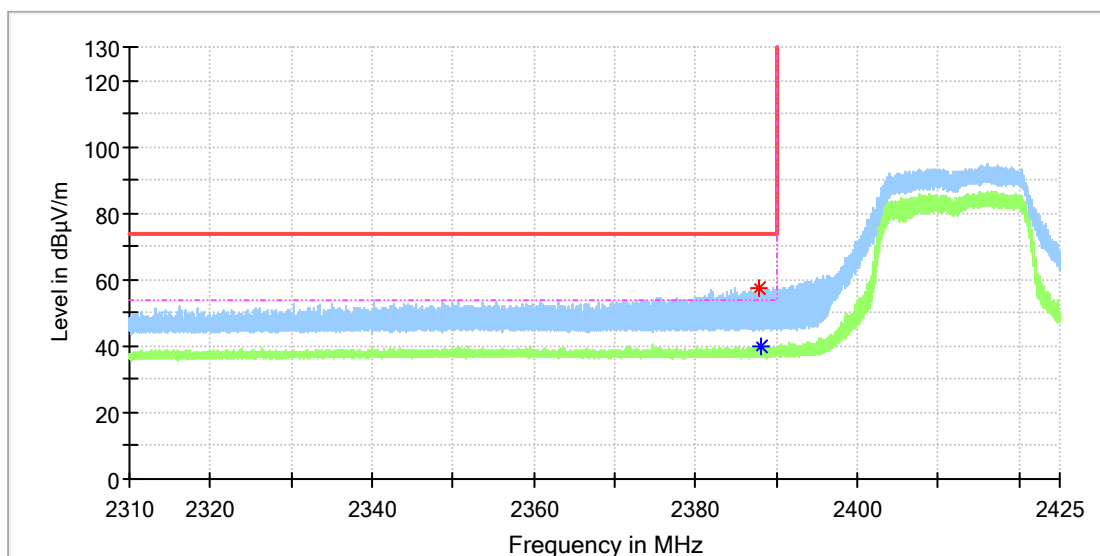


## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2386.998250     | ---              | 41.49            | 54.00          | 12.51       | 150.0       | V   | 153.0         | 7.0          |
| 2388.338000     | 60.73            | ---              | 74.00          | 13.27       | 150.0       | V   | 153.0         | 7.0          |

## EUT Information

EUT Name: Smart Air Purifying Humidifier  
Model: LAH302  
Test Mode: WIFI 2.4G\_11n20\_Low channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



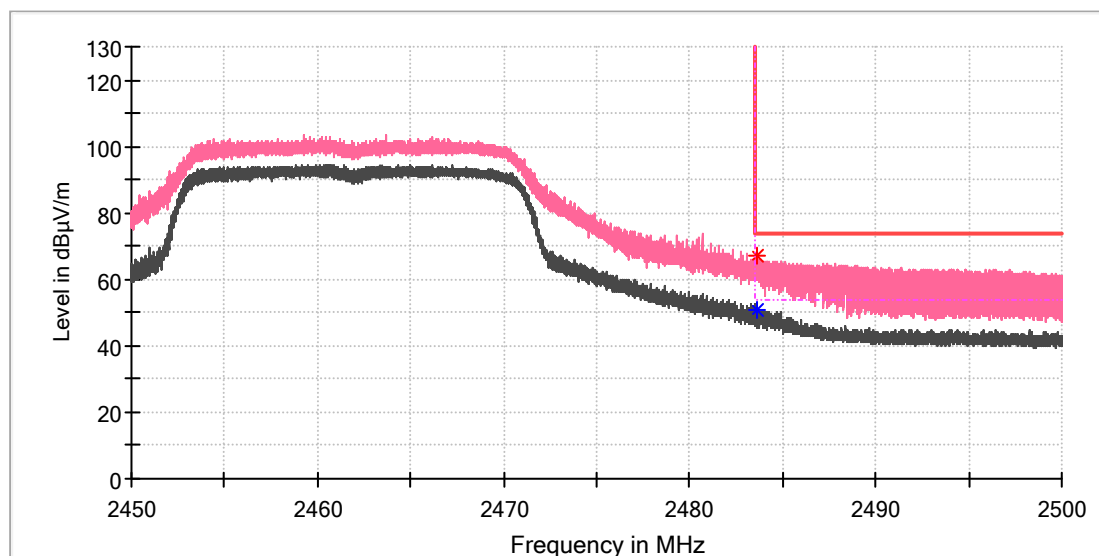
## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2387.734250     | 57.51            | ---              | 74.00          | 16.49       | 150.0       | H   | 289.0         | 7.0          |
| 2388.096500     | ---              | 39.73            | 54.00          | 14.27       | 150.0       | H   | 289.0         | 7.0          |

## High channel

## EUT Information

|                |                               |
|----------------|-------------------------------|
| EUT Name:      | Smart Air Purifying Humidifie |
| Model:         | LAH302                        |
| Test Mode:     | WIFI 2.4G_11n20_High channel  |
| Test Voltage:: | AC 120V, 60Hz                 |
| Remark:        | Temp 23 Humi:51%              |
| Test Standard: | FCC 15.247                    |
| Tested By:     | Kei Zhang                     |
| Reviewed By:   | Terry Yin                     |

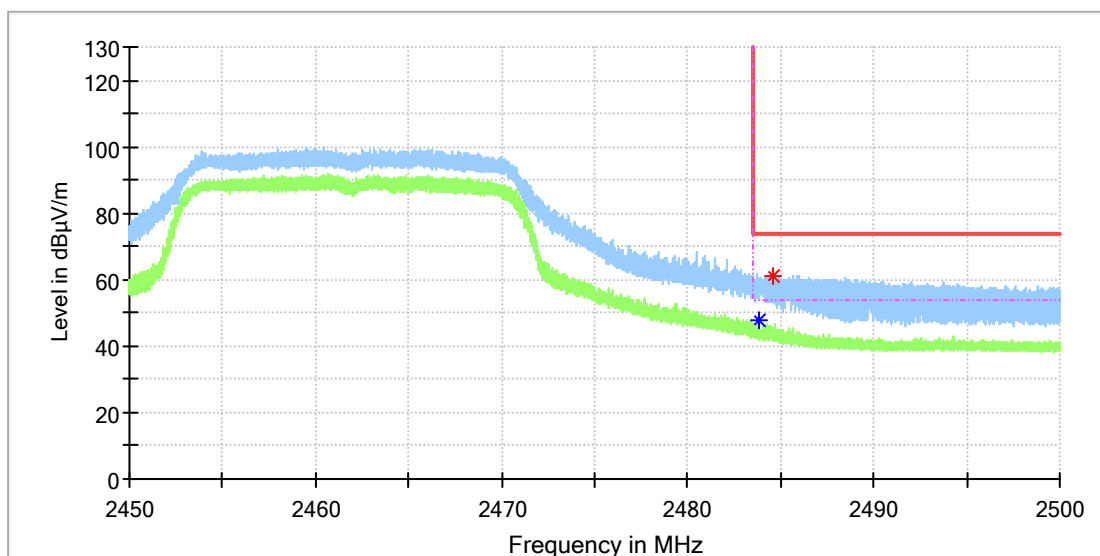


## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.585000     | 67.06            | ---              | 74.00          | 6.94        | 150.0       | V   | 257.0         | 7.4          |
| 2483.587500     | ---              | 51.06            | 54.00          | 2.94        | 150.0       | V   | 80.0          | 7.4          |

## EUT Information

EUT Name: Smart Air Purifying Humidifier  
Model: LAH302  
Test Mode: WIFI 2.4G\_11n20\_High channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



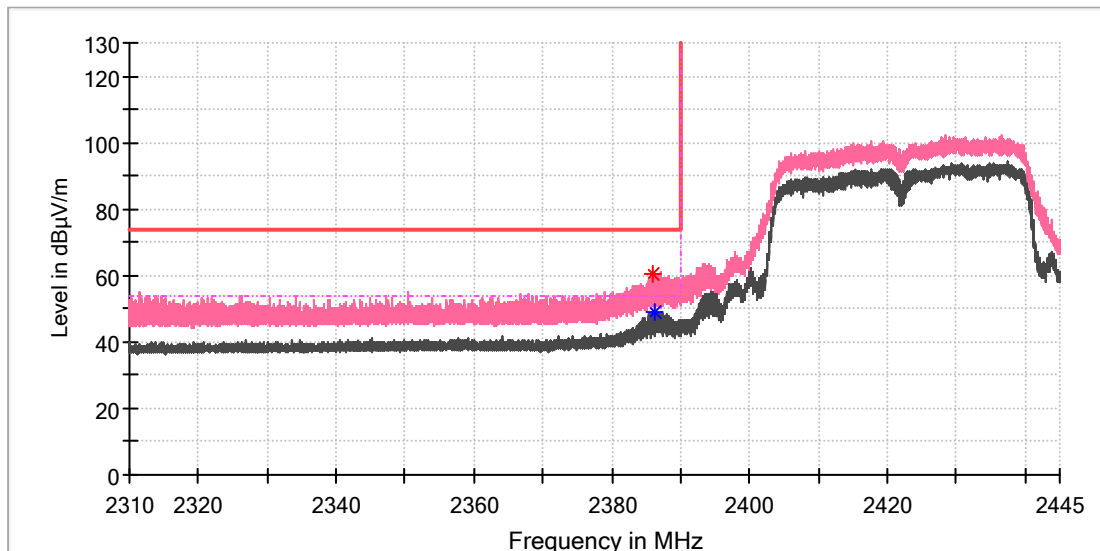
## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.847500     | ---              | 47.89            | 54.00          | 6.11        | 150.0       | H   | 243.0         | 7.4          |
| 2484.595000     | 61.05            | ---              | 74.00          | 12.95       | 150.0       | H   | 243.0         | 7.4          |

**Wi-Fi 802.11 n(HT40) mode, MCS0**  
**Low channel**

**EUT Information**

|                |                               |
|----------------|-------------------------------|
| EUT Name:      | Smart Air Purifying Humidifie |
| Model:         | LAH302                        |
| Test Mode:     | WIFI 2.4G_11n40_Low channel   |
| Test Voltage:: | AC 120V, 60Hz                 |
| Remark:        | Temp 23 Humi:51%              |
| Test Standard: | FCC 15.247                    |
| Tested By:     | Kei Zhang                     |
| Reviewed By:   | Terry Yin                     |

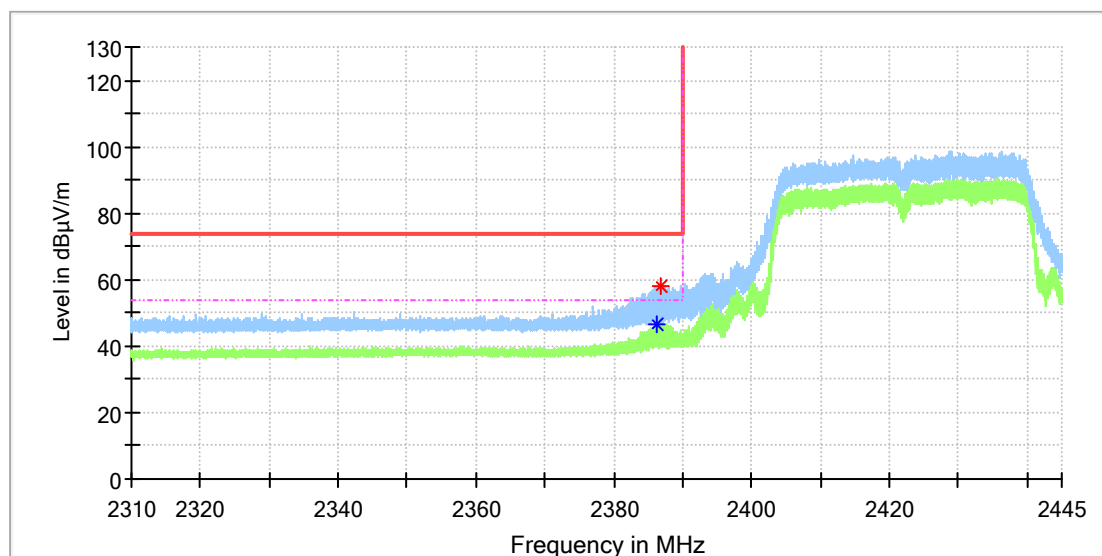


**Critical Freqs**

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2385.863250     | 60.58            | ---              | 74.00          | 13.42       | 150.0       | V   | 223.0         | 7.0          |
| 2386.167000     | ---              | 48.99            | 54.00          | 5.01        | 150.0       | V   | 223.0         | 7.0          |

## EUT Information

EUT Name: Smart Air Purifying Humidifier  
Model: LAH302  
Test Mode: WIFI 2.4G\_11n40\_Low channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



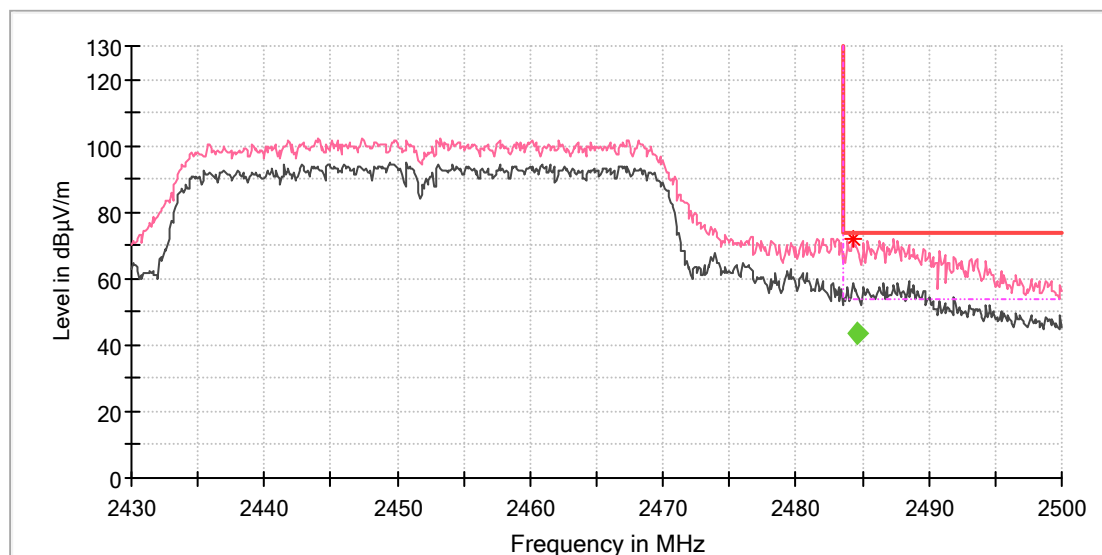
## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2386.254750     | ---              | 46.55            | 54.00          | 7.45        | 150.0       | H   | 329.0         | 7.0          |
| 2386.801500     | 58.32            | ---              | 74.00          | 15.68       | 150.0       | H   | 329.0         | 7.0          |

## High channel

## EUT Information

EUT Name: Smart Air Purifying Humidifie  
Model: LAH302  
Test Mode: WIFI 2.4G\_11n40\_High channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

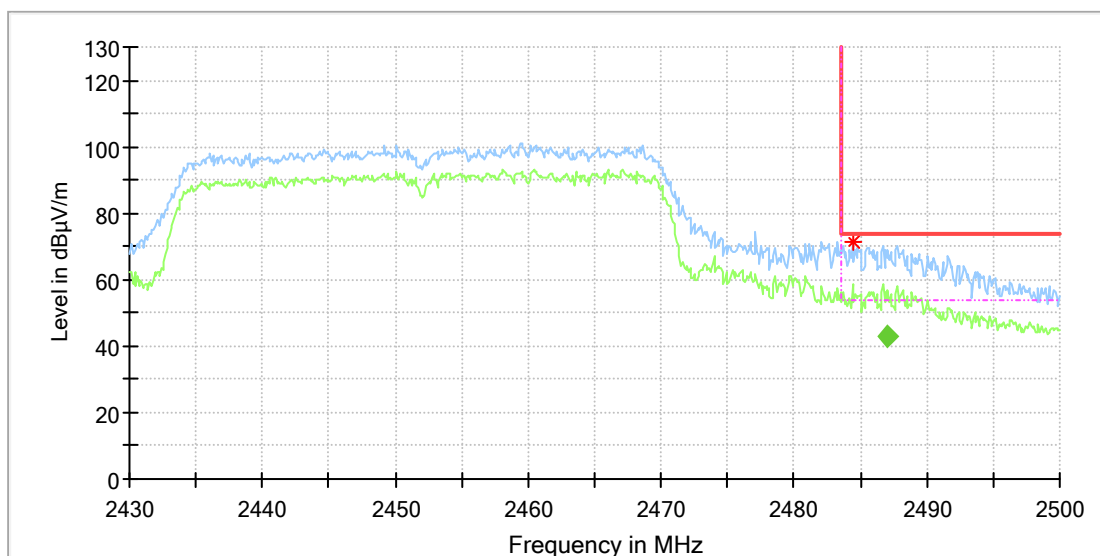
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.300000     | 71.70            | ---              | 74.00          | 2.30        | 150.0       | V   | 332.0         | 7.4          |

## Final\_Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.572700     | 43.80            | 54.00          | 10.20       | 149.0       | V   | 327.0         | 7.4          |

## EUT Information

EUT Name: Smart Air Purifying Humidifier  
Model: LAH302  
Test Mode: WIFI 2.4G\_11n40\_High channel  
Test Voltage:: AC 120V, 60Hz  
Remark: Temp 23 Humi:51%  
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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.400000     | 71.65            | ---              | 74.00          | 2.35        | 150.0       | H   | 233.0         | 7.4          |

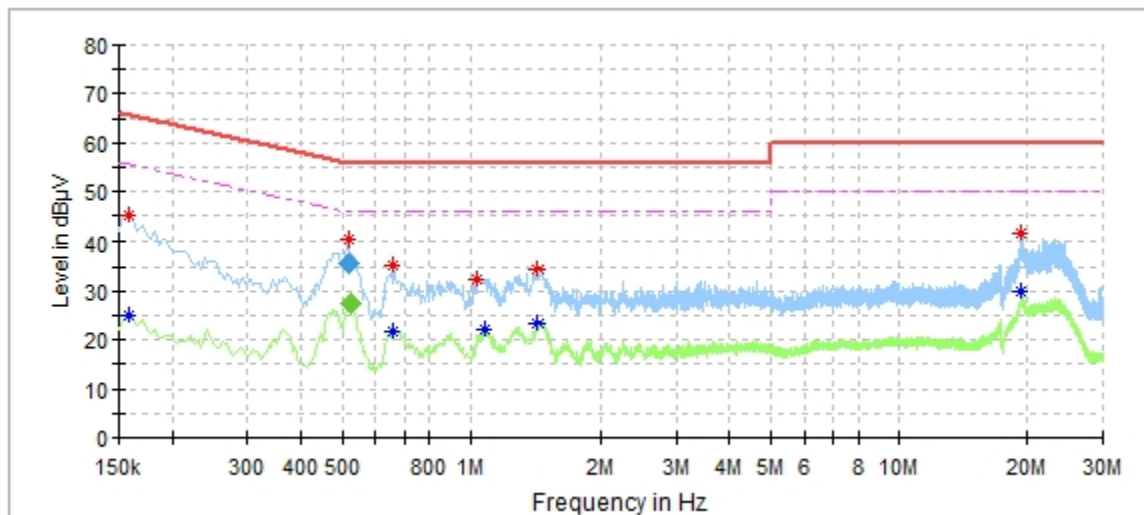
## Final Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2486.974700     | 42.92            | 54.00          | 11.08       | 150.0       | H   | 232.0         | 7.4          |

## Appendix C.3: Test Results of Conducted Emission on AC Mains

### EUT Information

EUT Name: Smart Air Purifying Humidifie  
Model: LAH302  
Test Mode: Wifi  
Test Voltage: AC 120V/60Hz  
Test By: Jianhua Lu  
Review By: Gary Chen  
Remark: SR1



### Critical\_Freqs

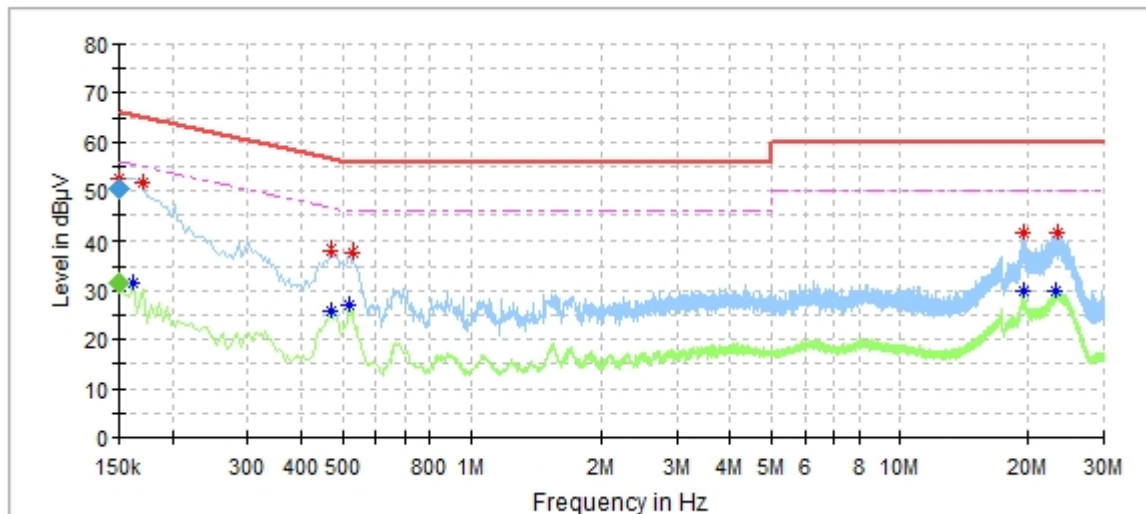
| Frequency (MHz) | MaxPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.158000        | ---            | 25.13          | 55.57        | 30.44       | L1   | 9.6        |
| 0.158000        | 45.18          | ---            | 65.57        | 20.39       | L1   | 9.6        |
| 0.518500        | 40.06          | ---            | 56.00        | 15.94       | L1   | 9.7        |
| 0.522500        | ---            | 27.19          | 46.00        | 18.81       | L1   | 9.7        |
| 0.660000        | ---            | 21.71          | 46.00        | 24.29       | L1   | 9.7        |
| 0.660000        | 35.37          | ---            | 56.00        | 20.63       | L1   | 9.7        |
| 1.040000        | 32.50          | ---            | 56.00        | 23.50       | L1   | 9.7        |
| 1.076000        | ---            | 22.09          | 46.00        | 23.91       | L1   | 9.7        |
| 1.436000        | ---            | 23.46          | 46.00        | 22.54       | L1   | 9.7        |
| 1.436000        | 34.57          | ---            | 56.00        | 21.43       | L1   | 9.7        |
| 19.256000       | ---            | 29.83          | 50.00        | 20.17       | L1   | 10.5       |
| 19.332000       | 41.45          | ---            | 60.00        | 18.55       | L1   | 10.5       |

### Final\_Result

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|-----------------|-----------------|------|------------|
| 0.518500        | 35.84            | ---            | 56.00        | 20.16       | 1000.0          | 9.000           | L1   | 9.7        |
| 0.522500        | ---              | 27.29          | 46.00        | 18.71       | 1000.0          | 9.000           | L1   | 9.7        |

## EUT Information

EUT Name: Smart Air Purifying Humidifier  
Model: LAH302  
Test Mode: Wifi  
Test Voltage: AC 120V/60Hz  
Test By: Jianhua Lu  
Review By: Gary Chen  
Remark: SR1



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.150000        | ---            | 31.77          | 55.36        | 23.59       | N    | 9.6        |
| 0.150000        | 52.68          | ---            | 65.57        | 12.89       | N    | 9.6        |
| 0.162000        | ---            | 31.77          | 55.36        | 23.59       | N    | 9.6        |
| 0.170000        | 51.54          | ---            | 64.96        | 13.42       | N    | 9.6        |
| 0.470000        | ---            | 25.68          | 46.51        | 20.84       | N    | 9.7        |
| 0.470000        | 38.10          | ---            | 56.51        | 18.41       | N    | 9.7        |
| 0.520000        | ---            | 26.92          | 46.00        | 19.08       | N    | 9.7        |
| 0.528000        | 37.94          | ---            | 56.00        | 18.06       | N    | 9.7        |
| 19.384000       | 41.62          | ---            | 60.00        | 18.38       | N    | 10.5       |
| 19.388000       | ---            | 29.83          | 50.00        | 20.17       | N    | 10.5       |
| 23.240000       | ---            | 29.93          | 50.00        | 20.07       | N    | 10.5       |
| 23.408000       | 41.46          | ---            | 60.00        | 18.54       | N    | 10.5       |

## Final Result

| Frequency (MHz) | QuasiPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|-----------------|-----------------|------|------------|
| 0.150000        | ---              | 31.49          | 56.00        | 24.51       | 1000.0          | 9.000           | N    | 10         |
| 0.150000        | 50.44            | ---            | 66.00        | 15.56       | 1000.0          | 9.000           | N    | 10         |