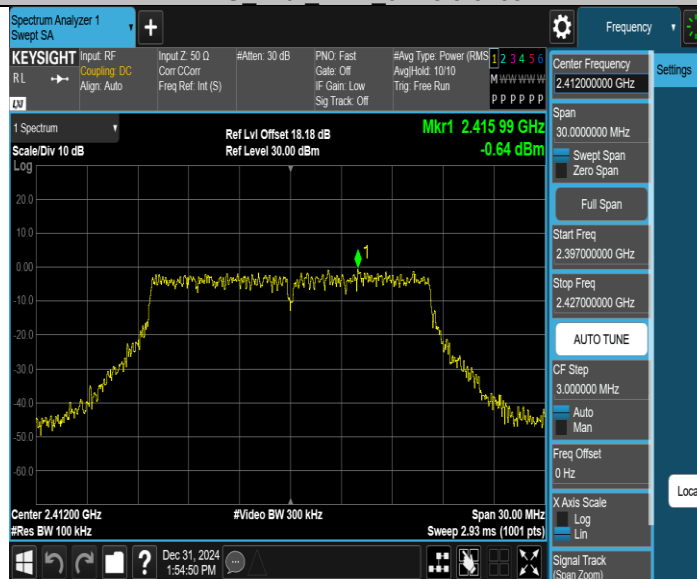


11G Ant1 2412 0-Reference



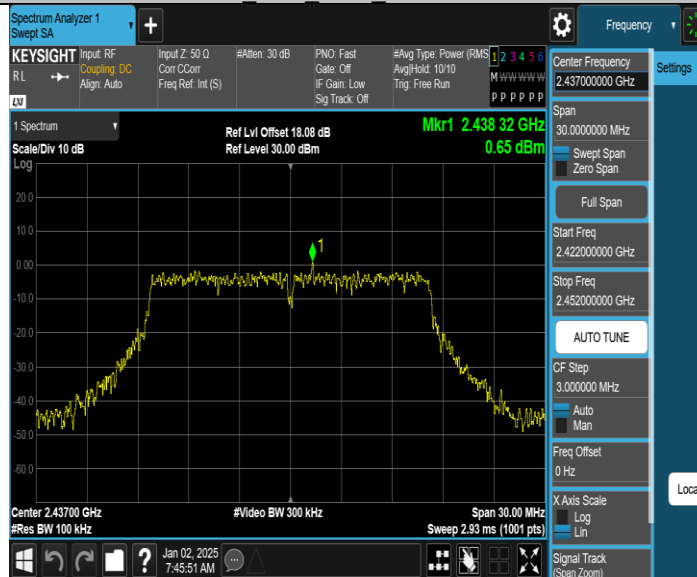
11G Ant1 2412 30-1000



11G Ant1 2412 1000-26500



11G Ant1 2437 0-Reference



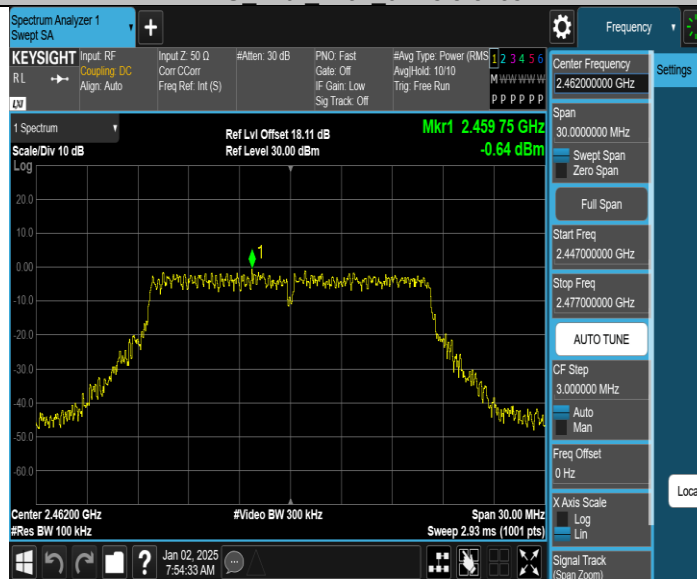
11G Ant1 2437 30-1000



11G Ant1 2437 1000-26500



11G Ant1 2462 0-Reference



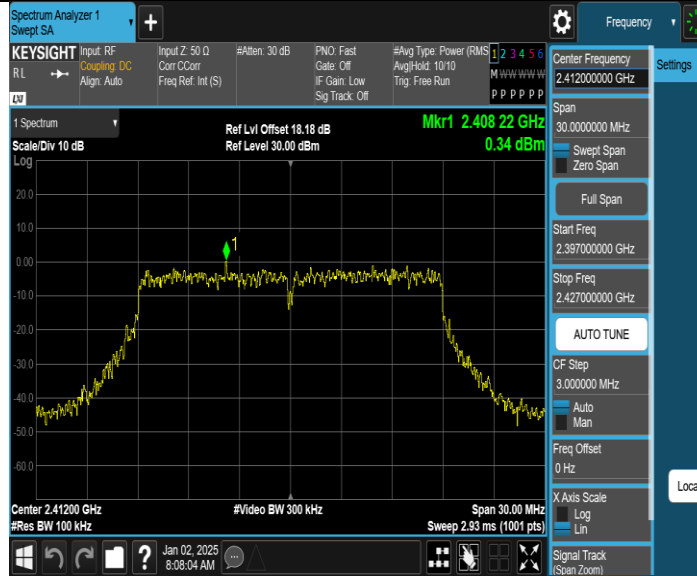
11G Ant1 2462 30-1000



11G Ant1 2462 1000-26500



11N20SISO Ant1 2412 0~Reference

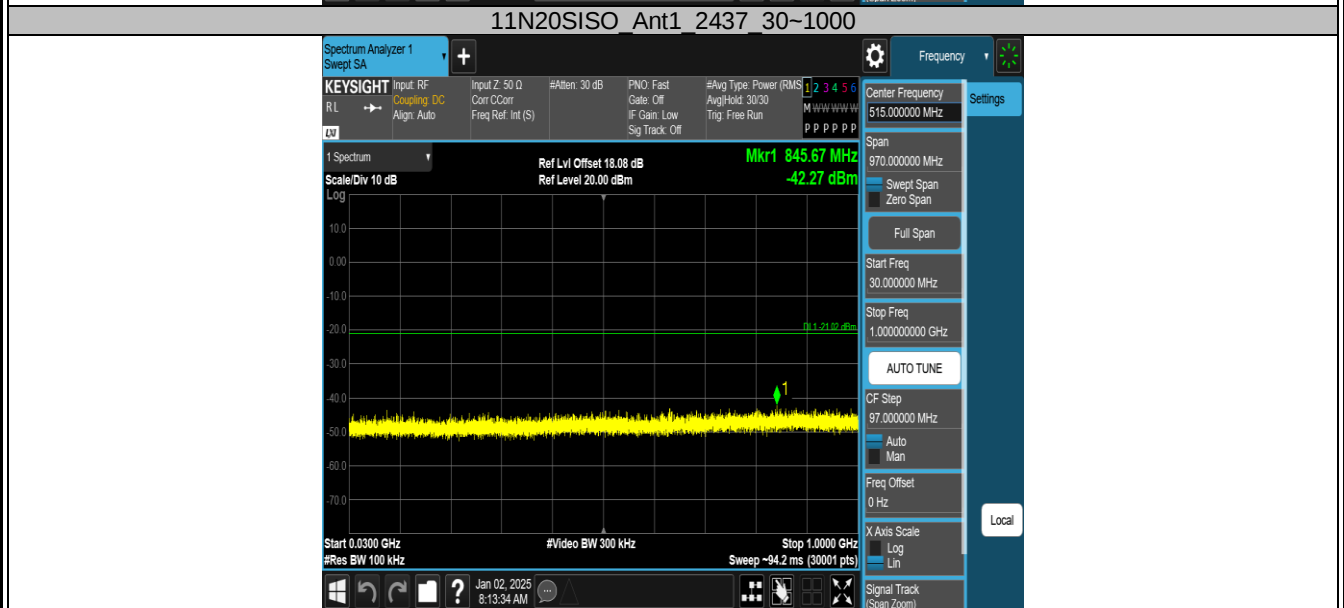
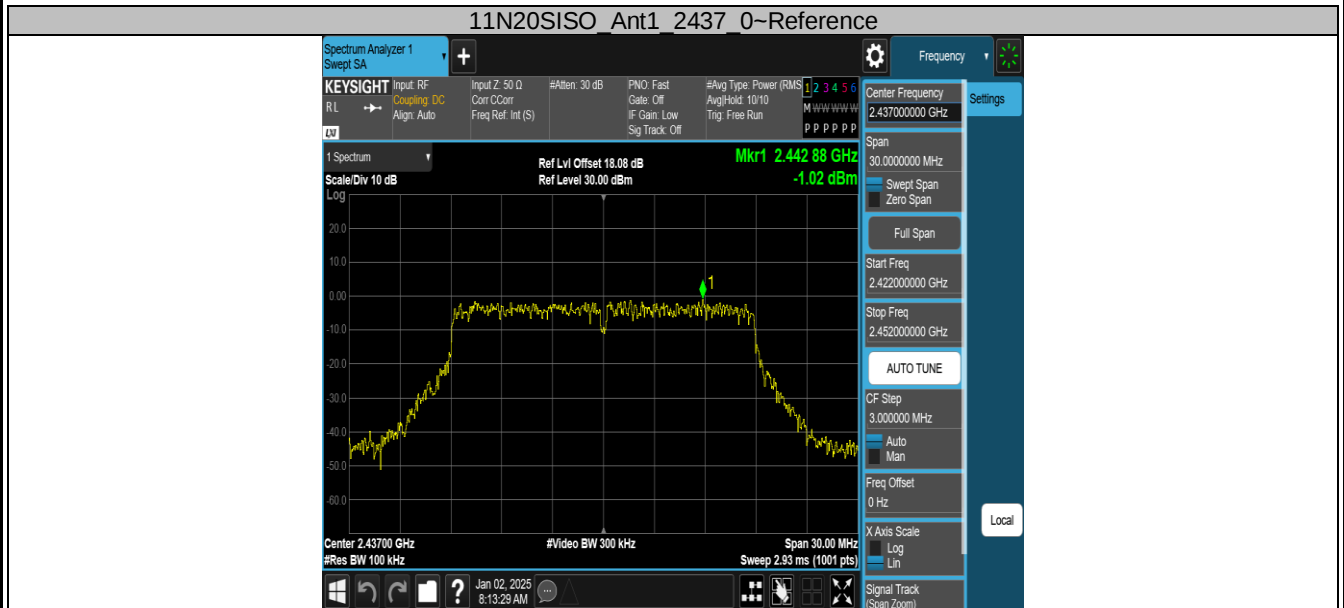


11N20SISO Ant1 2412 30~1000



11N20SISO Ant1 2412 1000~26500

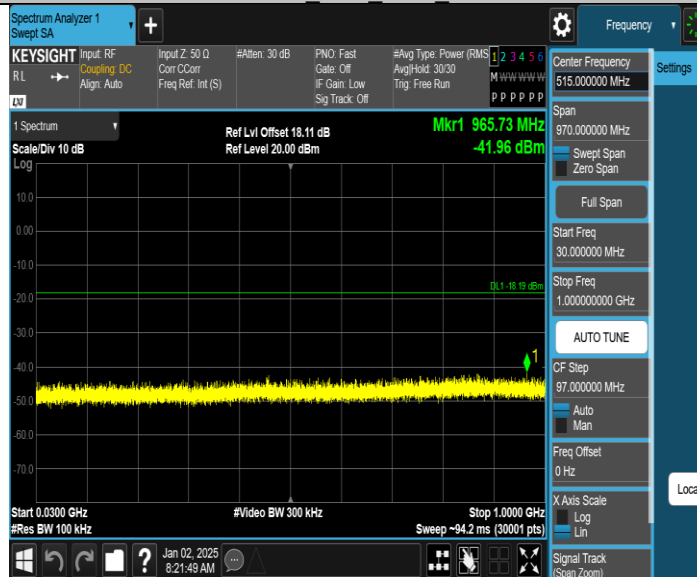




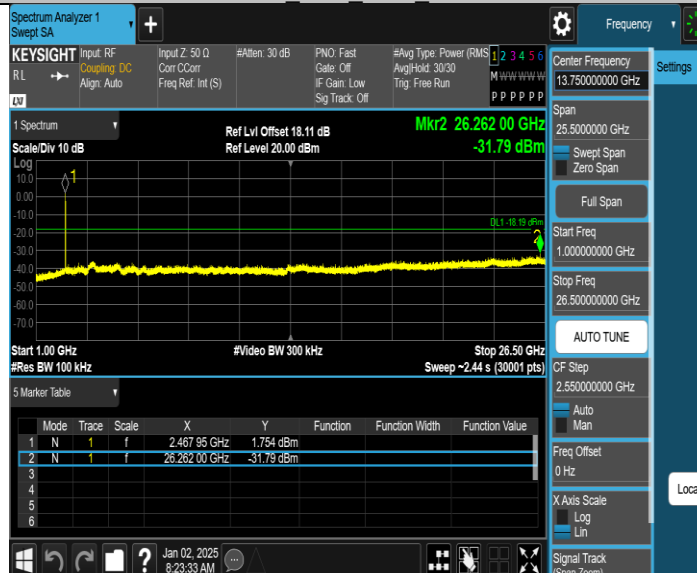
11N20SISO Ant1 2462 0~Reference



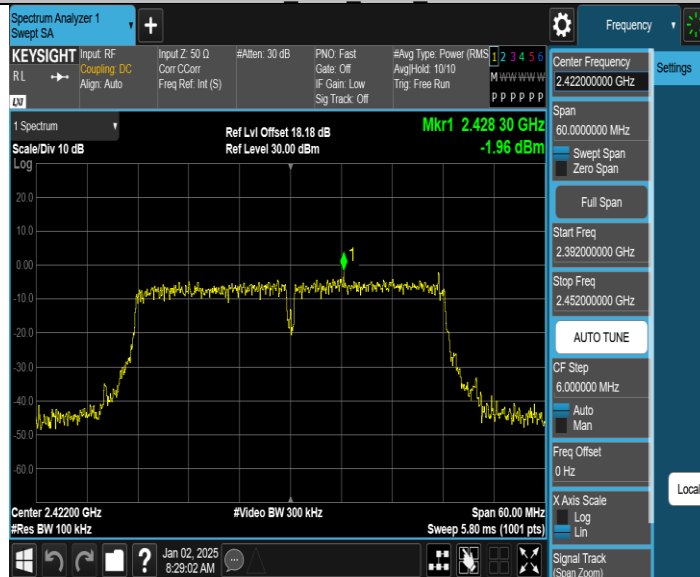
11N20SISO Ant1 2462 30~1000



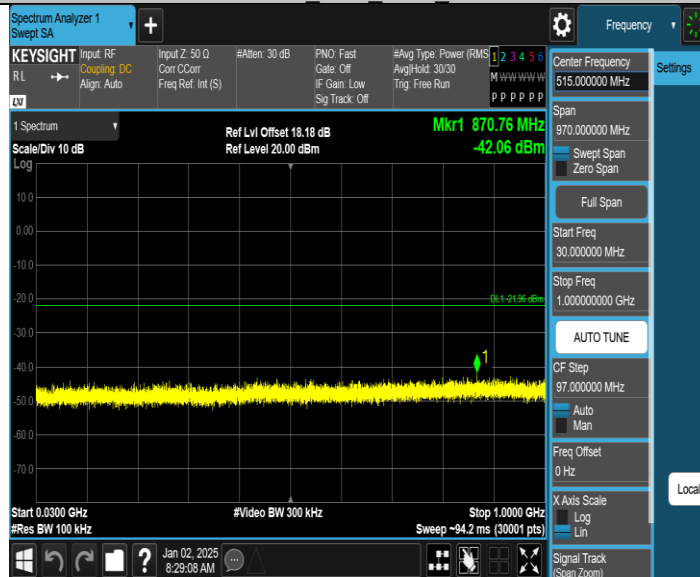
11N20SISO Ant1 2462 1000~26500



11N40SISO Ant1 2422 0~Reference



11N40SISO Ant1 2422 30~1000



11N40SISO Ant1 2422 1000~26500



11N40SISO Ant1 2437 0~Reference



11N40SISO Ant1 2437 30~1000



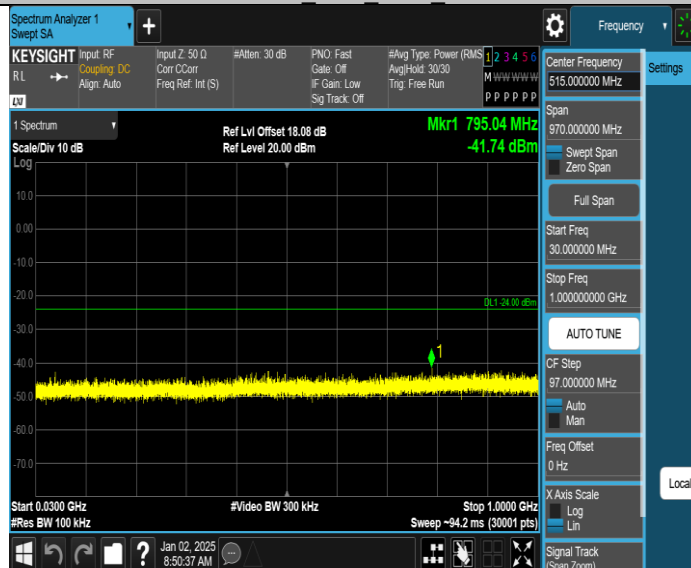
11N40SISO Ant1 2437 1000~26500



11N40SISO Ant1 2452 0-Reference



11N40SISO Ant1 2452 30-1000



11N40SISO Ant1 2452 1000-26500



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

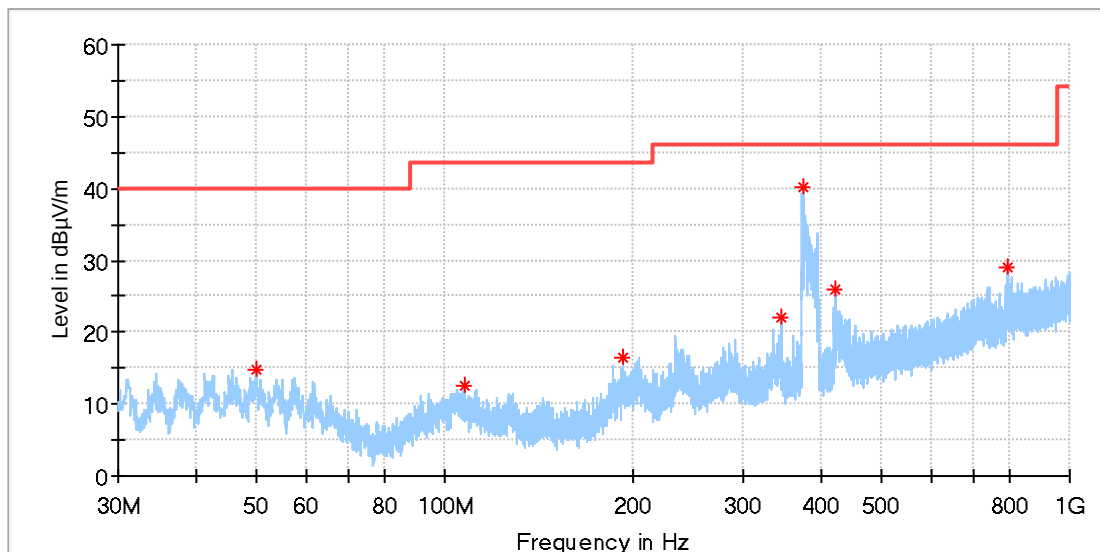
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) 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:           | Robotic Vacuum Cleaner   |
| Model:              | RRA0TAL                  |
| Test Mode:          | WIFI 2.4G_11b_Ch6        |
| Order No/Sample No: | 168509527/A003898237-011 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

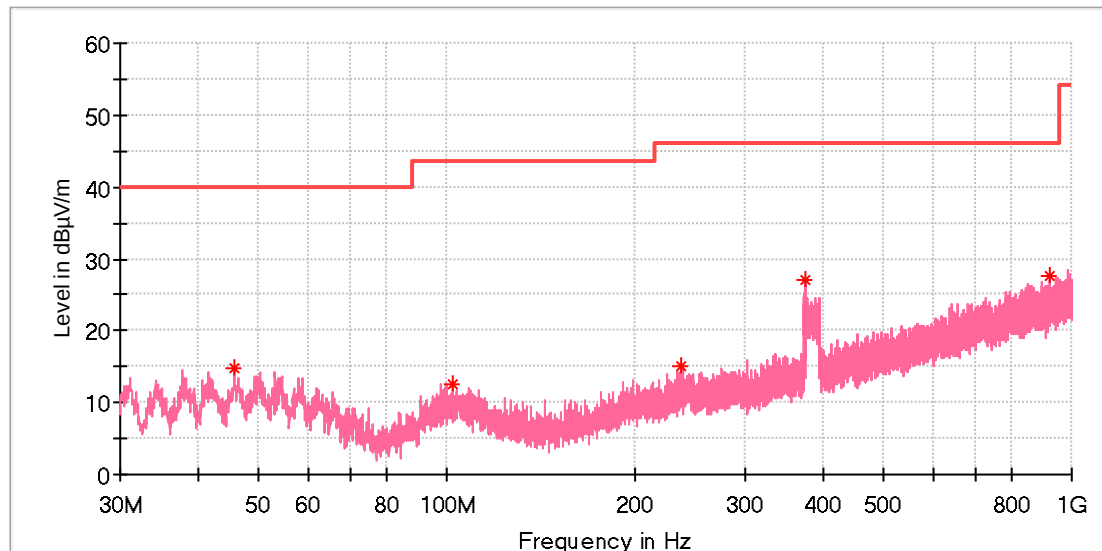
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 49.996923       | 14.91            | 40.00          | 25.09       | 100.0       | H   | 339.0         | -18.4        |
| 107.637308      | 12.58            | 43.50          | 30.92       | 100.0       | H   | 108.0         | -19.1        |
| 192.213846      | 16.41            | 43.50          | 27.09       | 100.0       | H   | 221.0         | -19.5        |
| 345.996154      | 21.96            | 46.00          | 24.04       | 100.0       | H   | 306.0         | -14.9        |
| 373.827692      | 40.17            | 46.00          | 5.83        | 100.0       | H   | 299.0         | -14.4        |
| 420.835385      | 26.04            | 46.00          | 19.96       | 100.0       | H   | 75.0          | -13.2        |
| 795.292692      | 29.12            | 46.00          | 16.88       | 100.0       | H   | 50.0          | -6.3         |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | RRA0TAL                  |
| Test Mode:          | WIFI 2.4G_11b_Ch6        |
| Order No/Sample No: | 168509527/A003898237-011 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| 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) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 45.669231       | 14.89            | 40.00          | 25.11       | 100.0       | V   | 316.0         | -18.8        |
| 102.451539      | 12.67            | 43.50          | 30.83       | 100.0       | V   | 232.0         | -19.0        |
| 236.572692      | 15.11            | 46.00          | 30.89       | 100.0       | V   | 125.0         | -17.9        |
| 373.827692      | 27.06            | 46.00          | 18.94       | 100.0       | V   | 149.0         | -14.4        |
| 922.176154      | 27.62            | 46.00          | 18.38       | 100.0       | V   | 325.0         | -4.6         |

## Final Result

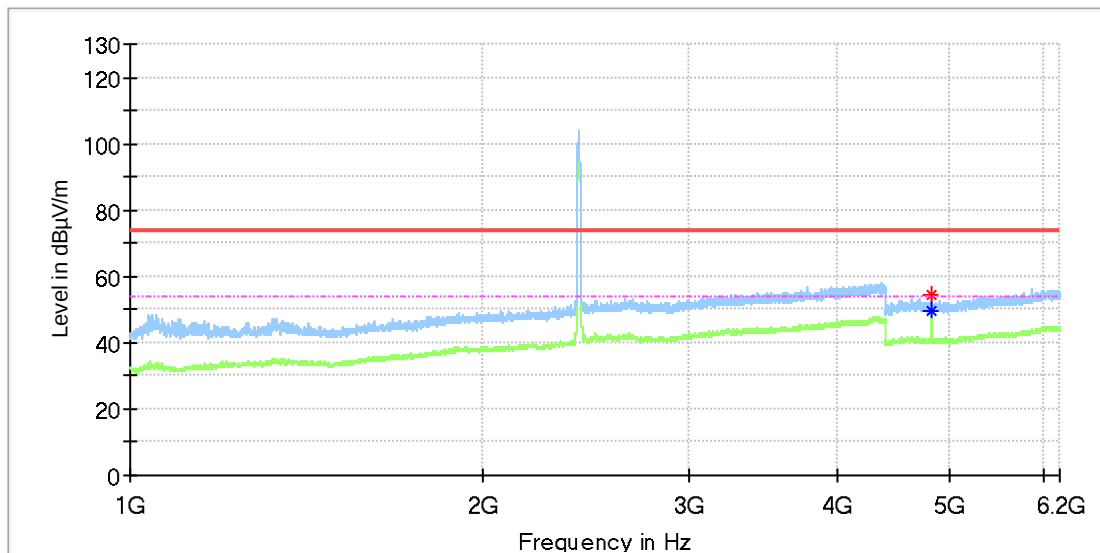
| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---          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

## 1GHz - 18GHz

Note: The highest waveform in the figure is Wi-Fi Fundamental.

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | RRA0TAL                  |
| Test Mode:          | WIFI 2.4G_11b_Ch1        |
| Order No/Sample No: | 168509527/A003898237-011 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

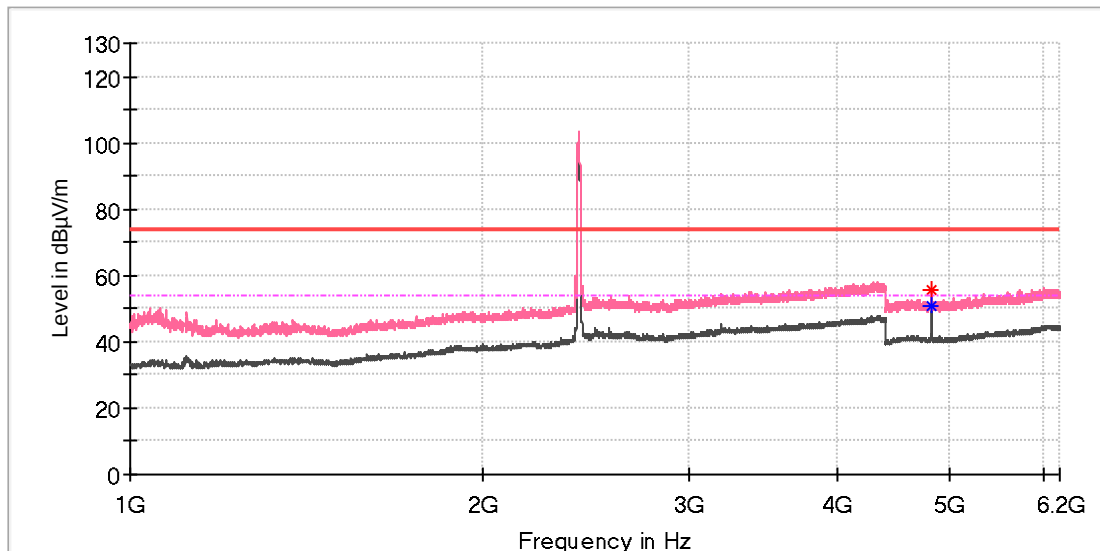
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4824.000000     | 54.65            | ---              | 74.00          | 19.35       | 150.0       | H   | 342.0         | 13.3         |
| 4824.000000     | ---              | 49.69            | 54.00          | 4.31        | 150.0       | H   | 342.0         | 13.3         |

## Final\_Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11b\_Ch1  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

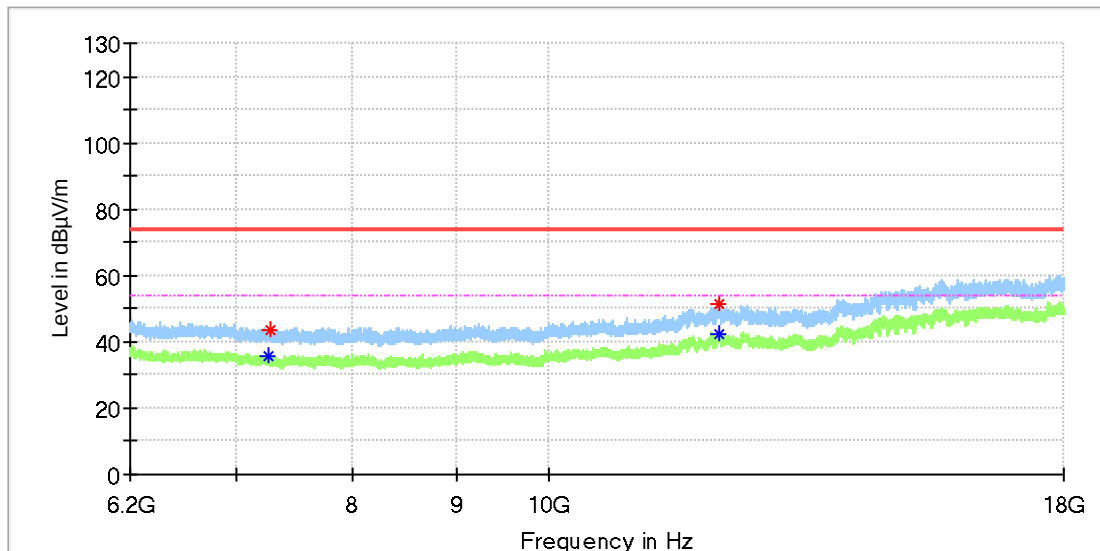
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4823.500000     | 55.59            | ---              | 74.00          | 18.41       | 150.0       | V   | 74.0          | 13.3         |
| 4824.000000     | ---              | 50.63            | 54.00          | 3.37        | 150.0       | V   | 123.0         | 13.3         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11b\_Ch1  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

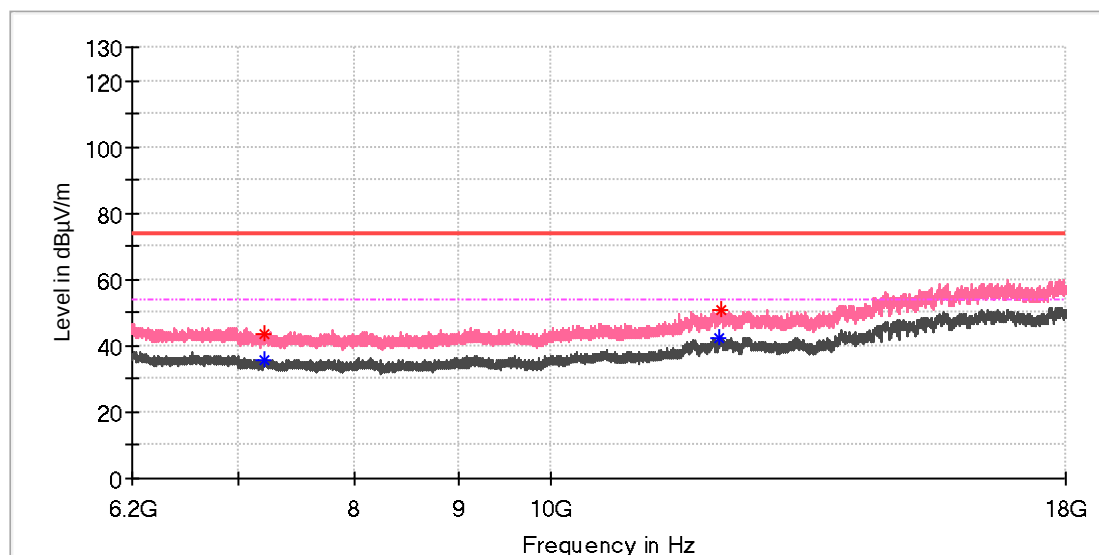
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7260.525000     | ---              | 35.57            | 54.00          | 18.43       | 150.0       | H   | 343.0         | 8.5          |
| 7279.700000     | 43.79            | ---              | 74.00          | 30.21       | 150.0       | H   | 107.0         | 8.4          |
| 12147.200000    | ---              | 42.53            | 54.00          | 11.47       | 150.0       | H   | 232.0         | 16.7         |
| 12152.116667    | 51.45            | ---              | 74.00          | 22.55       | 150.0       | H   | 198.0         | 16.6         |

## Final\_Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11b\_Ch1  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

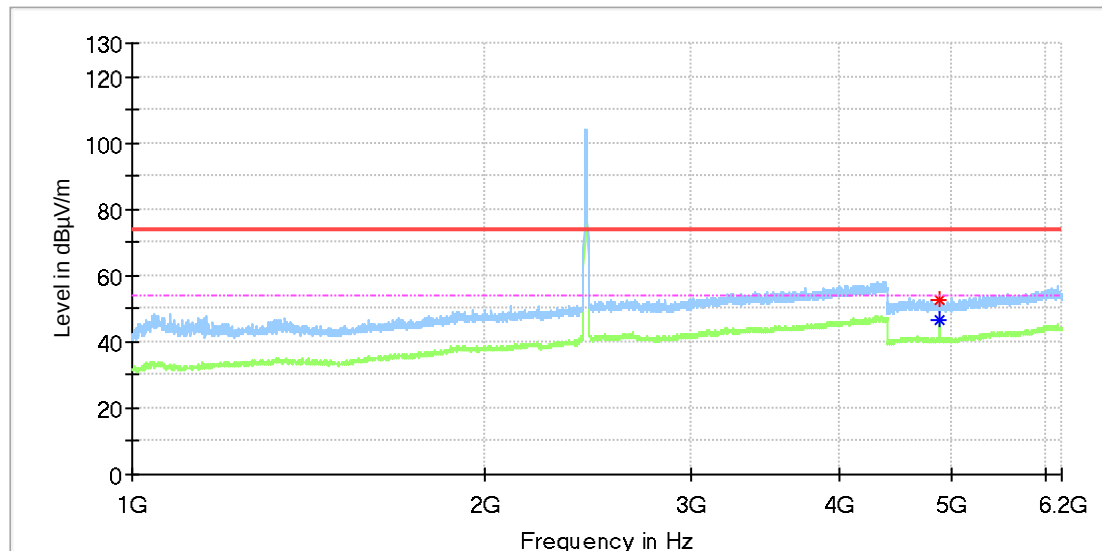
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7214.308333     | ---              | 35.56            | 54.00          | 18.44       | 150.0       | V   | 203.0         | 8.7          |
| 7216.275000     | 43.75            | ---              | 74.00          | 30.25       | 150.0       | V   | 125.0         | 8.7          |
| 12127.533333    | ---              | 42.53            | 54.00          | 11.47       | 150.0       | V   | 0.0           | 16.1         |
| 12133.433333    | 50.54            | ---              | 74.00          | 23.46       | 150.0       | V   | 0.0           | 16.3         |

## Final\_Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11b\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

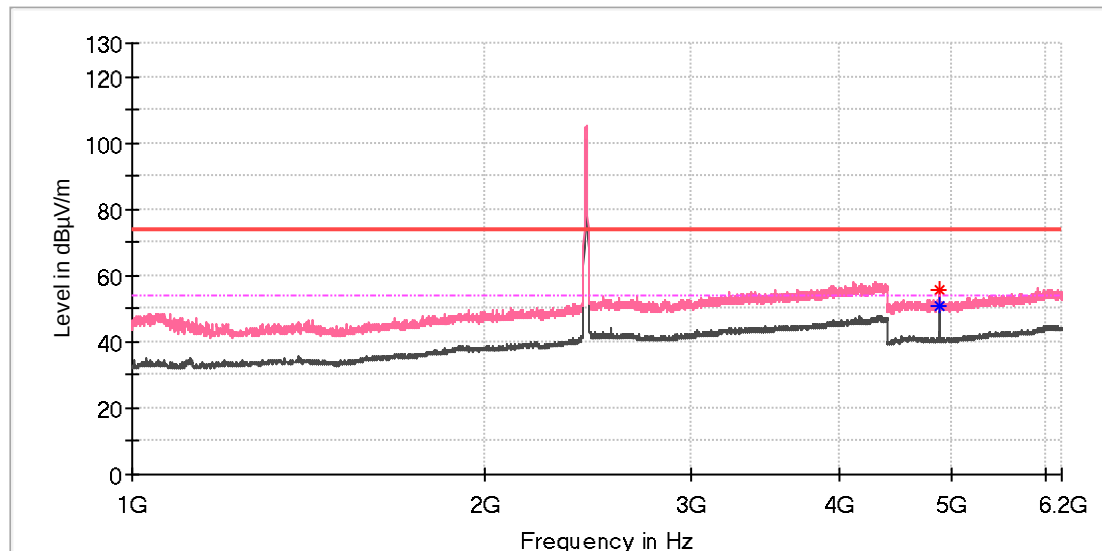
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4874.000000     | 52.66            | ---              | 74.00          | 21.34       | 150.0       | H   | 338.0         | 13.3         |
| 4874.000000     | ---              | 46.83            | 54.00          | 7.17        | 150.0       | H   | 338.0         | 13.3         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11b\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

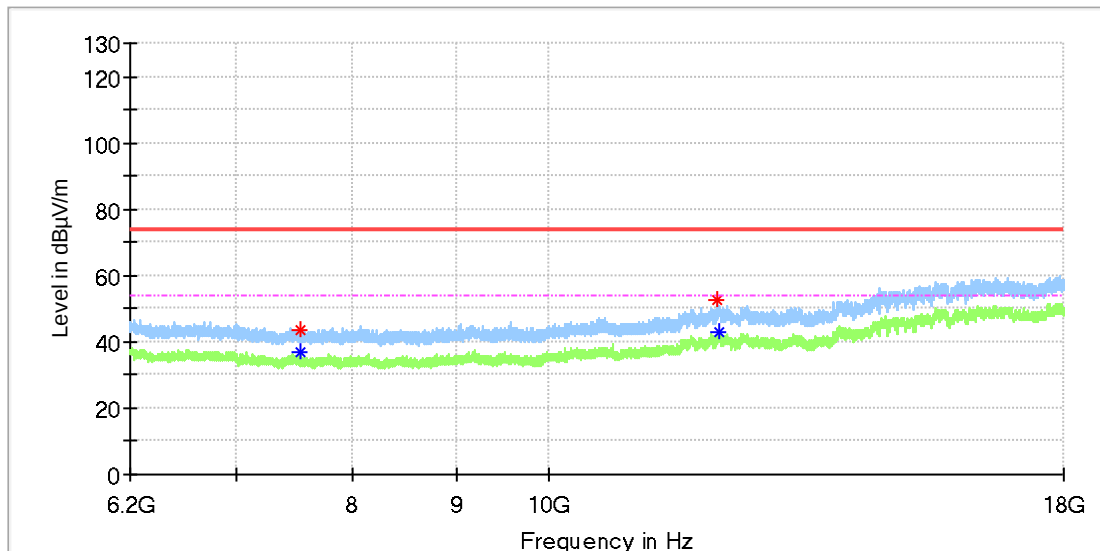
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4874.000000     | ---              | 50.97            | 54.00          | 3.03        | 150.0       | V   | 71.0          | 13.3         |
| 4874.000000     | 55.43            | ---              | 74.00          | 18.57       | 150.0       | V   | 71.0          | 13.3         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11b\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

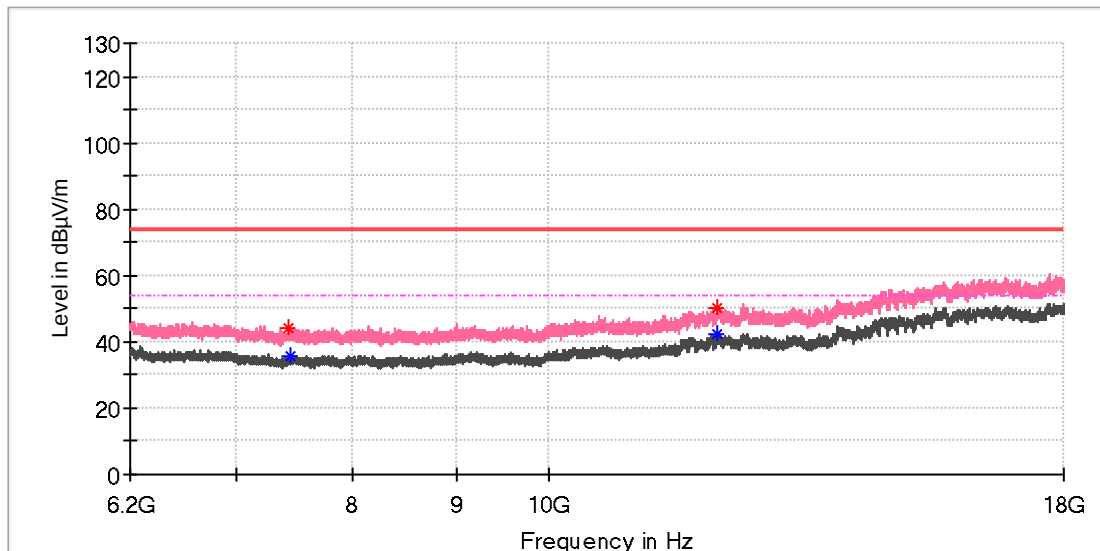
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7523.075000     | 43.83            | ---              | 74.00          | 30.17       | 150.0       | H   | 254.0         | 8.7          |
| 7524.058333     | ---              | 36.69            | 54.00          | 17.31       | 150.0       | H   | 331.0         | 8.7          |
| 12127.041667    | 52.66            | ---              | 74.00          | 21.34       | 150.0       | H   | 352.0         | 16.1         |
| 12146.708333    | ---              | 43.04            | 54.00          | 10.96       | 150.0       | H   | 0.0           | 16.6         |

## Final\_Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11b\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

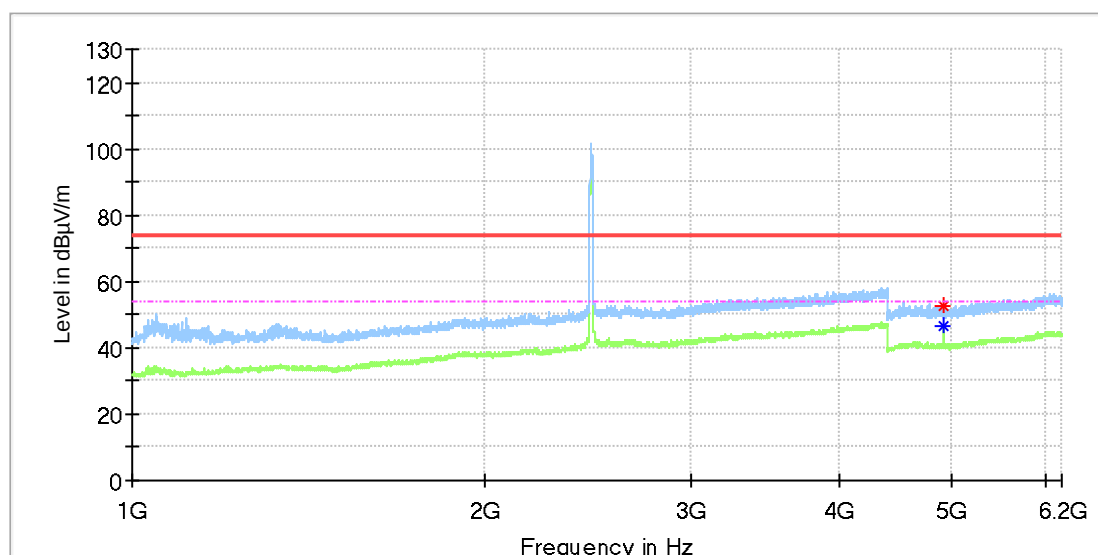
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7434.083333     | 44.09            | ---              | 74.00          | 29.91       | 150.0       | V   | 179.0         | 8.4          |
| 7437.033333     | ---              | 35.80            | 54.00          | 18.20       | 150.0       | V   | 207.0         | 8.4          |
| 12121.141667    | 50.32            | ---              | 74.00          | 23.68       | 150.0       | V   | 207.0         | 16.0         |
| 12122.125000    | ---              | 42.33            | 54.00          | 11.67       | 150.0       | V   | 157.0         | 16.0         |

## Final\_Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11b\_Ch11  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

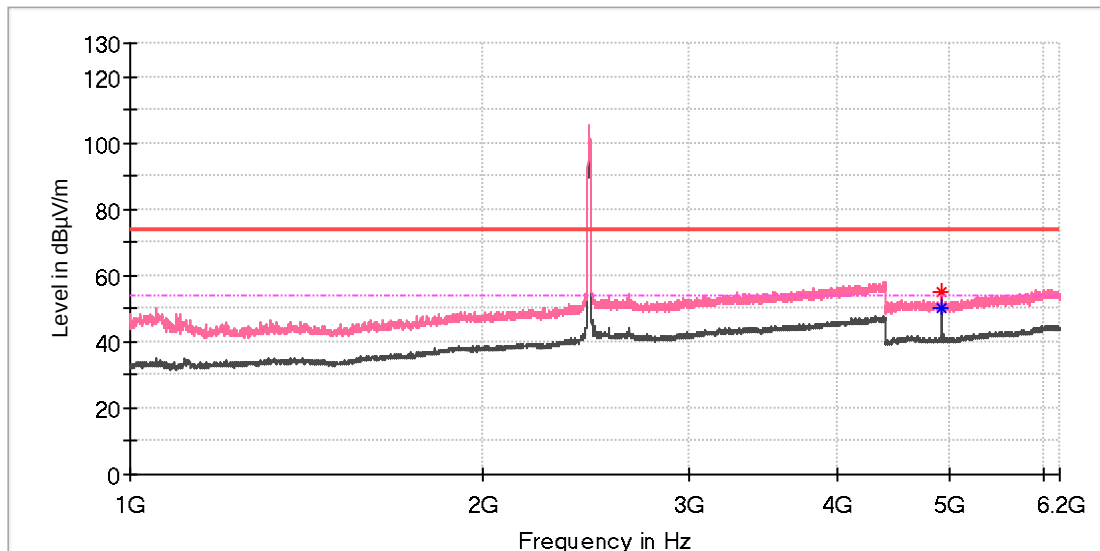
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4924.000000     | 52.56            | ---              | 74.00          | 21.44       | 150.0       | H   | 325.0         | 13.3         |
| 4924.000000     | ---              | 46.43            | 54.00          | 7.57        | 150.0       | H   | 325.0         | 13.3         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11b\_Ch11  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

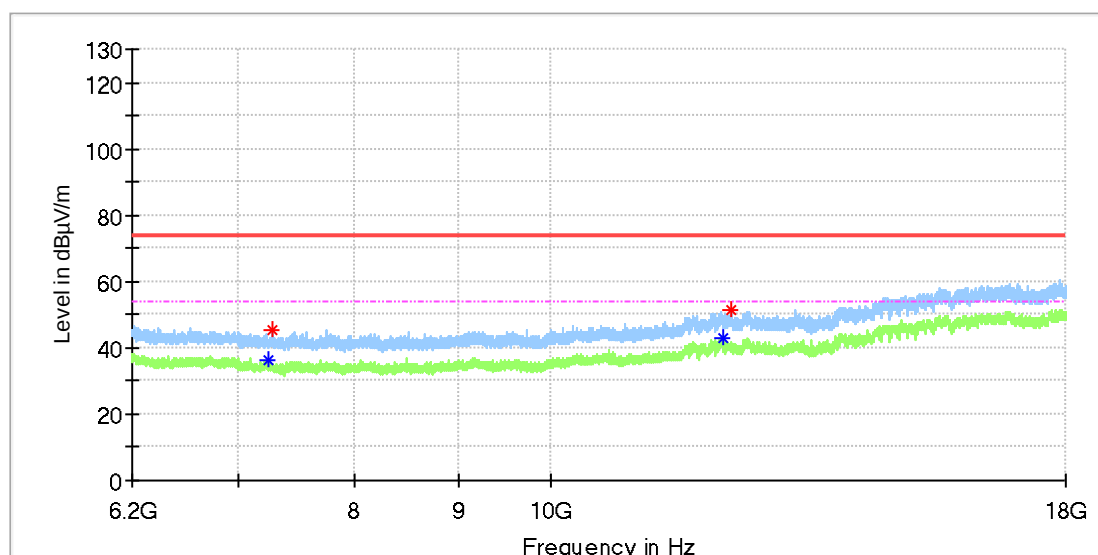
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4924.000000     | ---              | 50.37            | 54.00          | 3.63        | 150.0       | V   | 72.0          | 13.3         |
| 4924.000000     | 54.85            | ---              | 74.00          | 19.15       | 150.0       | V   | 72.0          | 13.3         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11b\_Ch11  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

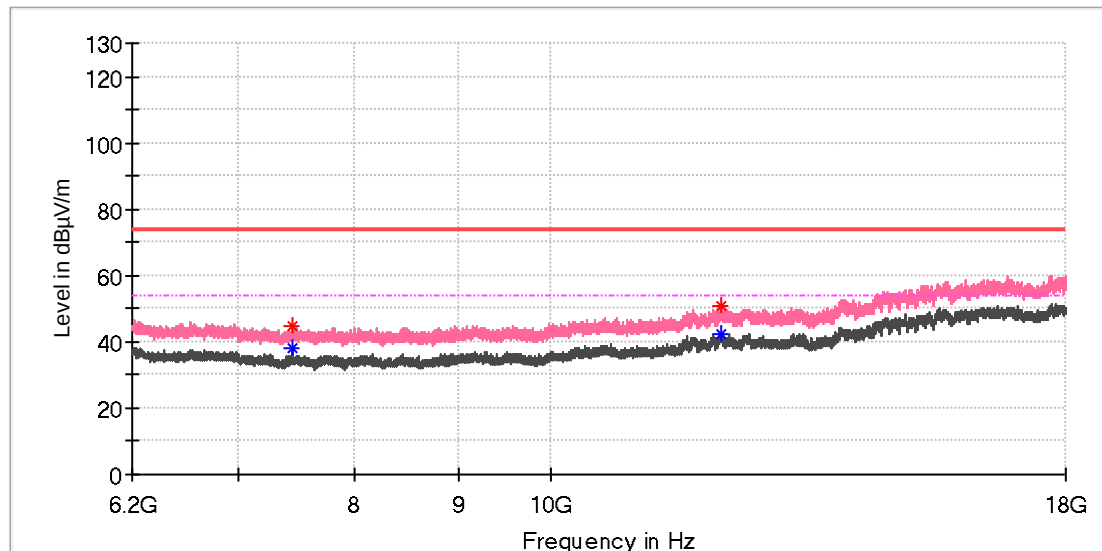
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7235.450000     | ---              | 35.99            | 54.00          | 18.01       | 150.0       | H   | 61.0          | 8.6          |
| 7272.325000     | 45.19            | ---              | 74.00          | 28.81       | 150.0       | H   | 0.0           | 8.4          |
| 12161.458333    | ---              | 42.92            | 54.00          | 11.08       | 150.0       | H   | 0.0           | 16.1         |
| 12288.800000    | 51.41            | ---              | 74.00          | 22.59       | 150.0       | H   | 232.0         | 16.0         |

## Final\_Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11b\_Ch11  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

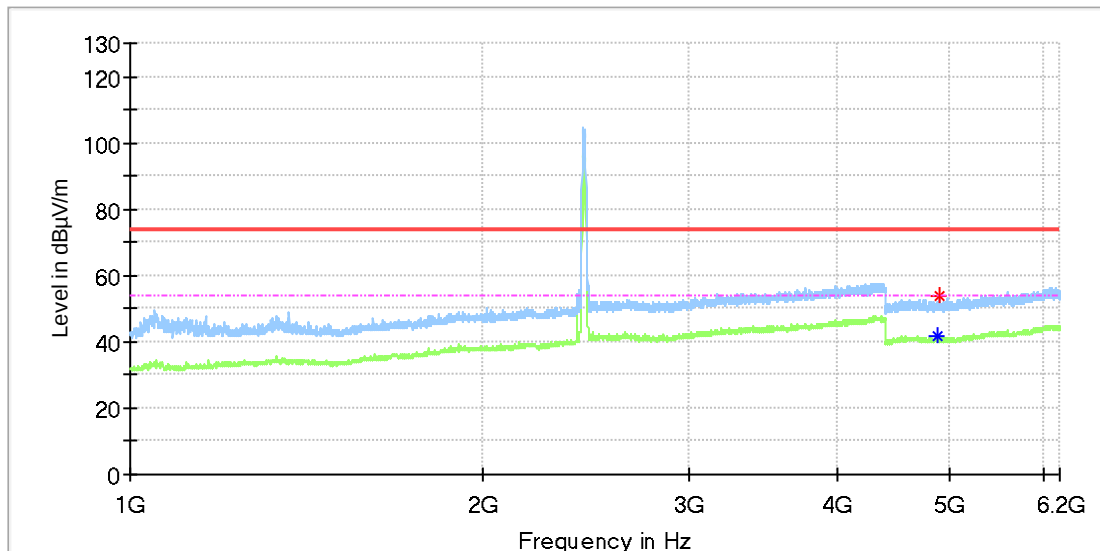
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7449.325000     | 44.71            | ---              | 74.00          | 29.29       | 150.0       | V   | 235.0         | 8.5          |
| 7449.325000     | ---              | 37.84            | 54.00          | 16.16       | 150.0       | V   | 235.0         | 8.5          |
| 12135.400000    | 51.00            | ---              | 74.00          | 23.00       | 150.0       | V   | 268.0         | 16.3         |
| 12145.233333    | ---              | 42.29            | 54.00          | 11.71       | 150.0       | V   | 148.0         | 16.6         |

## Final\_Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11g\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

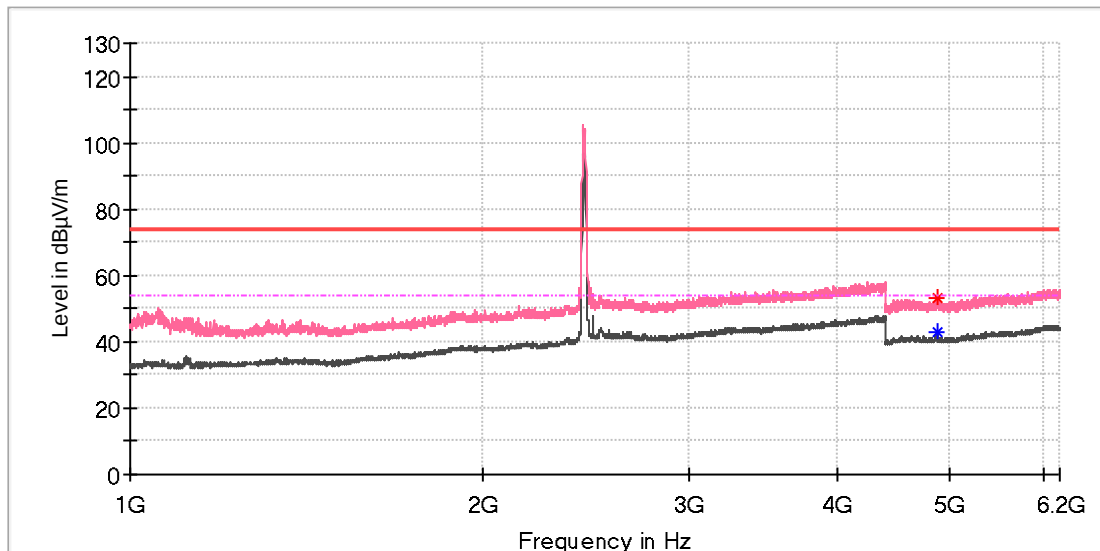
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4874.500000     | ---              | 41.58            | 54.00          | 12.42       | 150.0       | H   | 322.0         | 13.3         |
| 4902.000000     | 53.67            | ---              | 74.00          | 20.33       | 150.0       | H   | 298.0         | 13.3         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11g\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

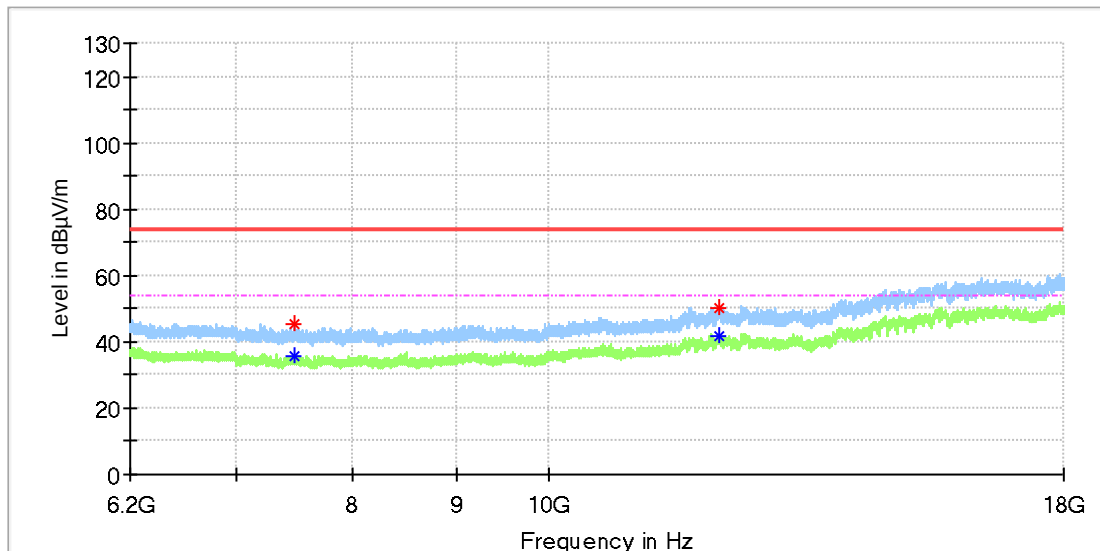
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4877.000000     | ---              | 43.18            | 54.00          | 10.82       | 150.0       | V   | 128.0         | 13.3         |
| 4877.500000     | 53.19            | ---              | 74.00          | 20.81       | 150.0       | V   | 72.0          | 13.3         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11g\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

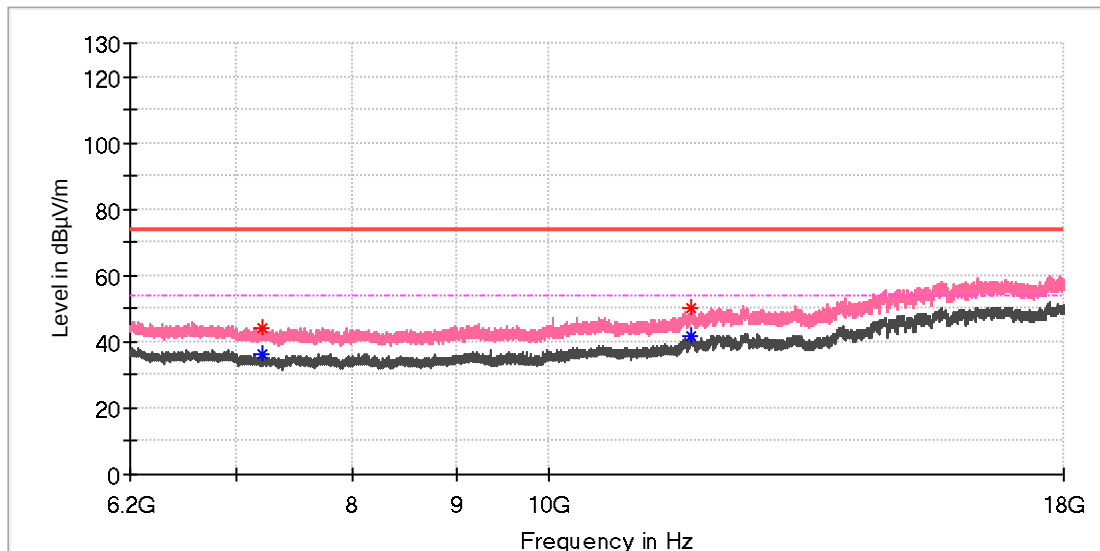
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7470.958333     | ---              | 35.69            | 54.00          | 18.31       | 150.0       | H   | 94.0          | 8.6          |
| 7478.825000     | 45.22            | ---              | 74.00          | 28.78       | 150.0       | H   | 282.0         | 8.7          |
| 12138.350000    | ---              | 41.89            | 54.00          | 12.11       | 150.0       | H   | 353.0         | 16.4         |
| 12152.116667    | 50.43            | ---              | 74.00          | 23.57       | 150.0       | H   | 69.0          | 16.6         |

## Final\_Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11g\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

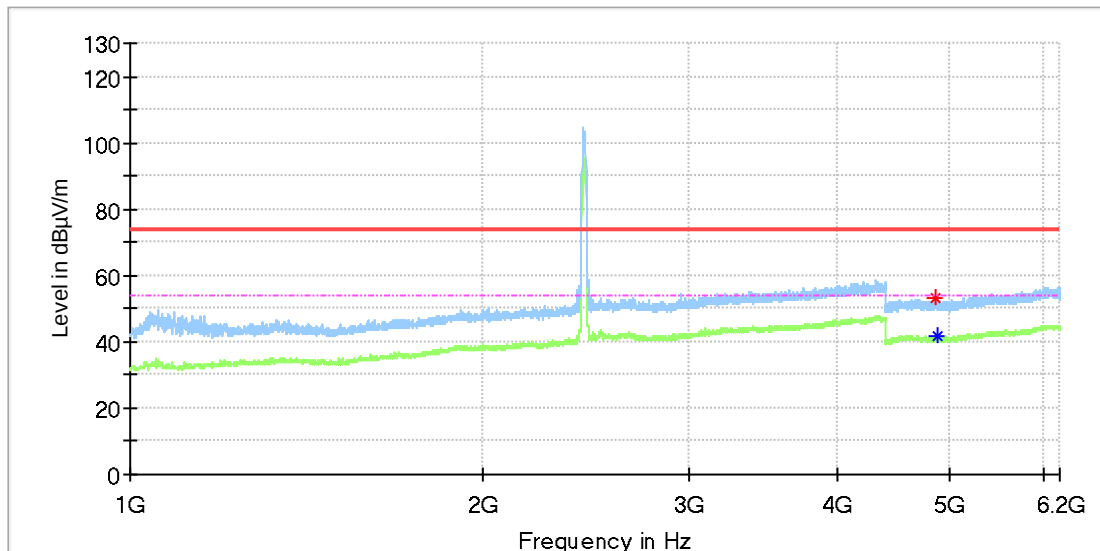
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7210.866667     | 44.44            | ---              | 74.00          | 29.56       | 150.0       | V   | 260.0         | 8.7          |
| 7217.750000     | ---              | 36.02            | 54.00          | 17.98       | 150.0       | V   | 295.0         | 8.7          |
| 11758.783333    | ---              | 41.77            | 54.00          | 12.23       | 150.0       | V   | 36.0          | 15.4         |
| 11759.275000    | 50.27            | ---              | 74.00          | 23.73       | 150.0       | V   | 0.0           | 15.4         |

## Final\_Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11n20\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

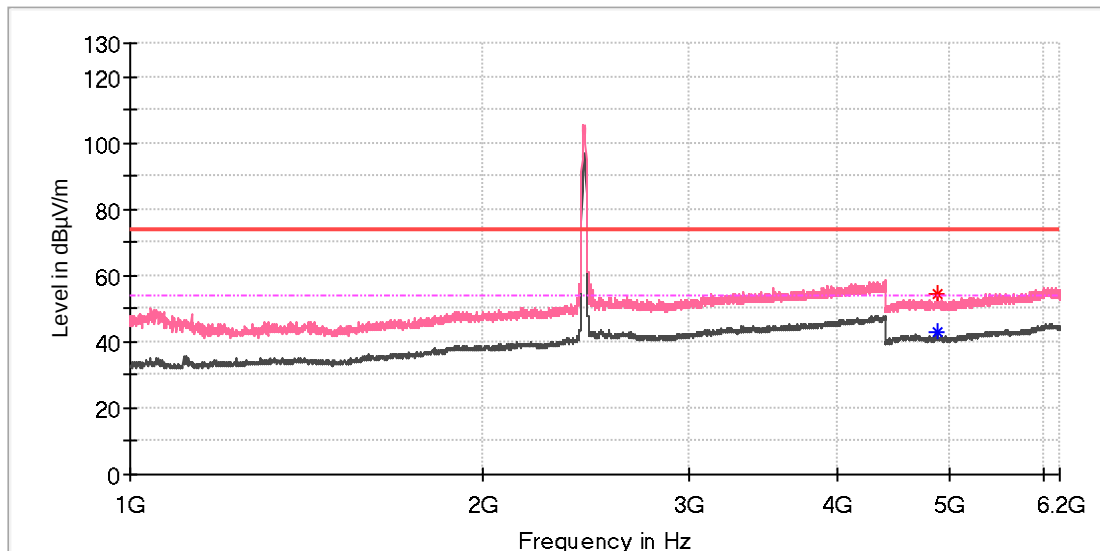
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4855.500000     | 53.17            | ---              | 74.00          | 20.83       | 150.0       | H   | 132.0         | 13.3         |
| 4870.500000     | ---              | 41.87            | 54.00          | 12.13       | 150.0       | H   | 321.0         | 13.3         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11n20\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

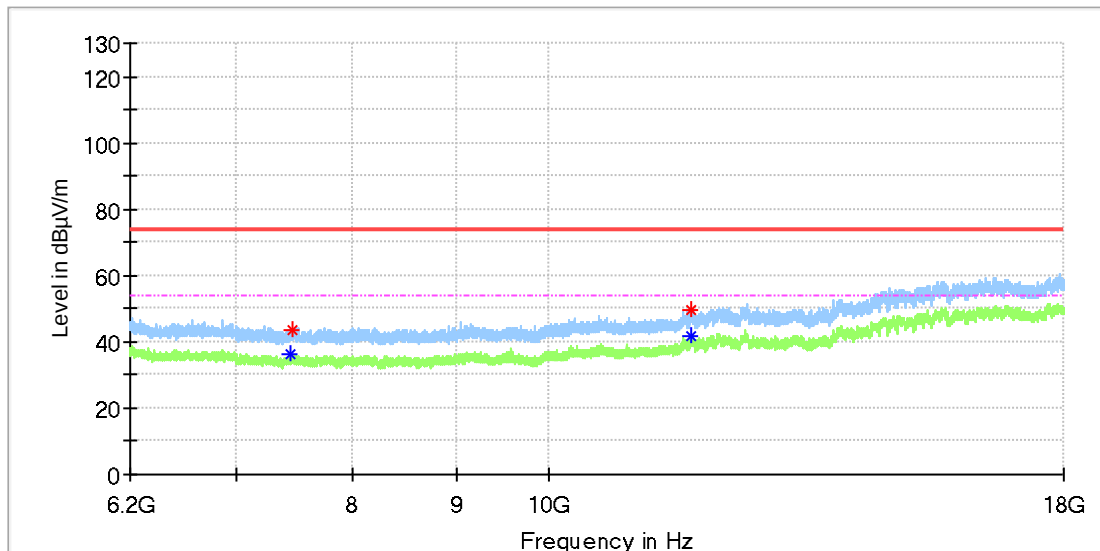
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4876.500000     | ---              | 43.09            | 54.00          | 10.91       | 150.0       | V   | 70.0          | 13.3         |
| 4879.000000     | 54.39            | ---              | 74.00          | 19.61       | 150.0       | V   | 70.0          | 13.3         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11n20\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

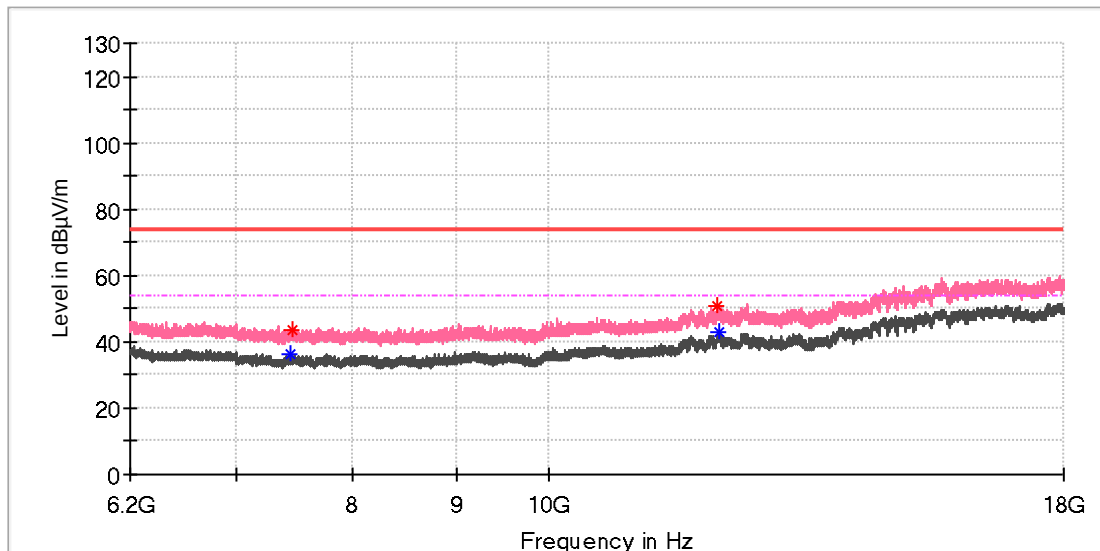
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7446.866667     | ---              | 36.08            | 54.00          | 17.92       | 150.0       | H   | 183.0         | 8.5          |
| 7461.125000     | 43.76            | ---              | 74.00          | 30.24       | 150.0       | H   | 149.0         | 8.5          |
| 11756.325000    | ---              | 41.86            | 54.00          | 12.14       | 150.0       | H   | 33.0          | 15.4         |
| 11763.700000    | 49.81            | ---              | 74.00          | 24.19       | 150.0       | H   | 66.0          | 15.3         |

## Final\_Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11n20\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

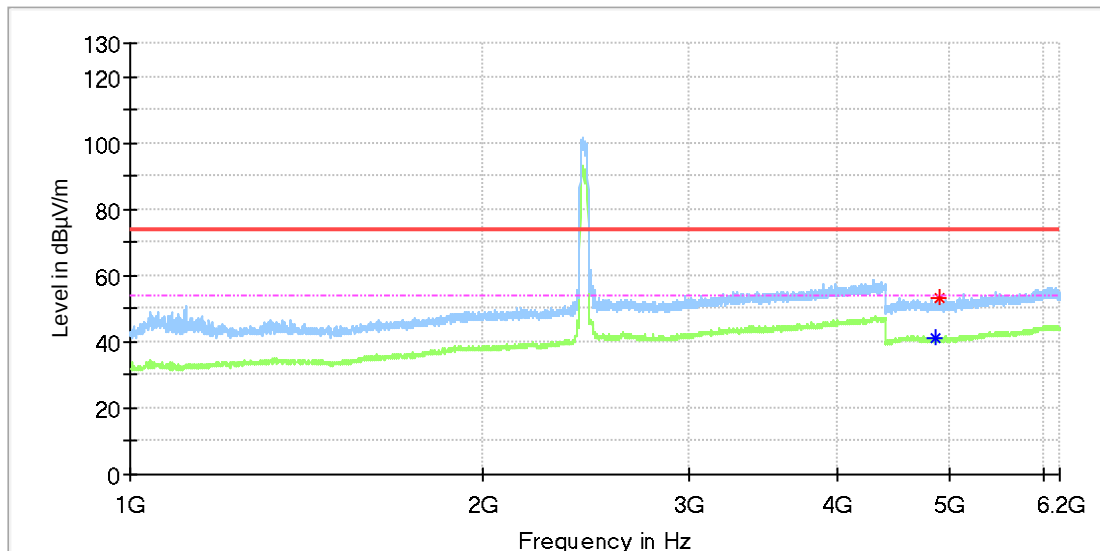
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7450.308333     | ---              | 36.21            | 54.00          | 17.79       | 150.0       | V   | 276.0         | 8.5          |
| 7455.716667     | 43.72            | ---              | 74.00          | 30.28       | 150.0       | V   | 297.0         | 8.5          |
| 12110.325000    | 50.89            | ---              | 74.00          | 23.11       | 150.0       | V   | 243.0         | 15.7         |
| 12146.216667    | ---              | 42.64            | 54.00          | 11.36       | 150.0       | V   | 297.0         | 16.6         |

## Final\_Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11n40\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

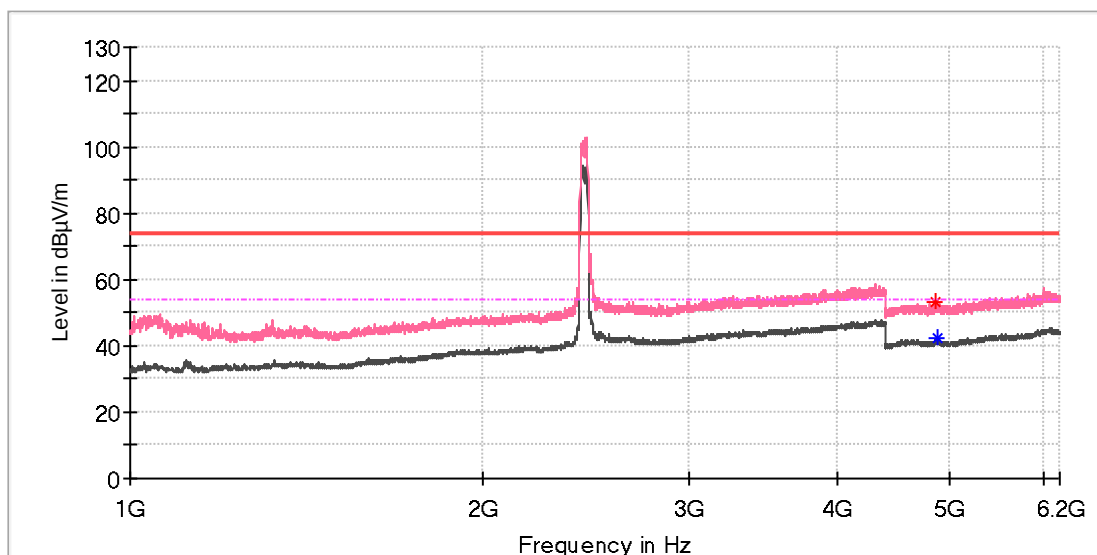
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4862.000000     | ---              | 41.22            | 54.00          | 12.78       | 150.0       | H   | 252.0         | 13.3         |
| 4901.000000     | 53.15            | ---              | 74.00          | 20.85       | 150.0       | H   | 202.0         | 13.3         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11n40\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

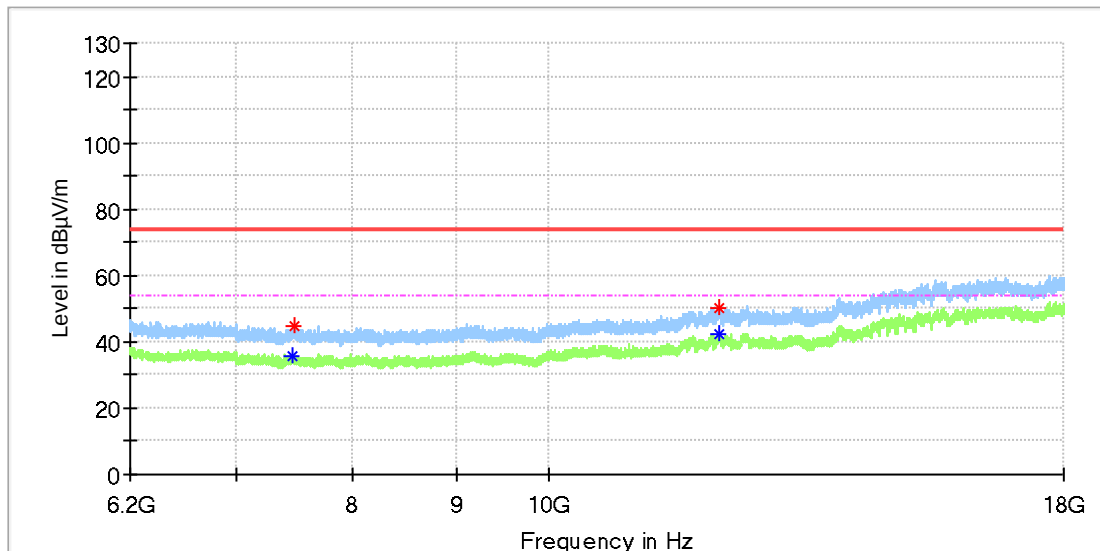
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4858.000000     | 52.96            | ---              | 74.00          | 21.04       | 150.0       | V   | 144.0         | 13.3         |
| 4877.000000     | ---              | 42.07            | 54.00          | 11.93       | 150.0       | V   | 69.0          | 13.3         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11n40\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

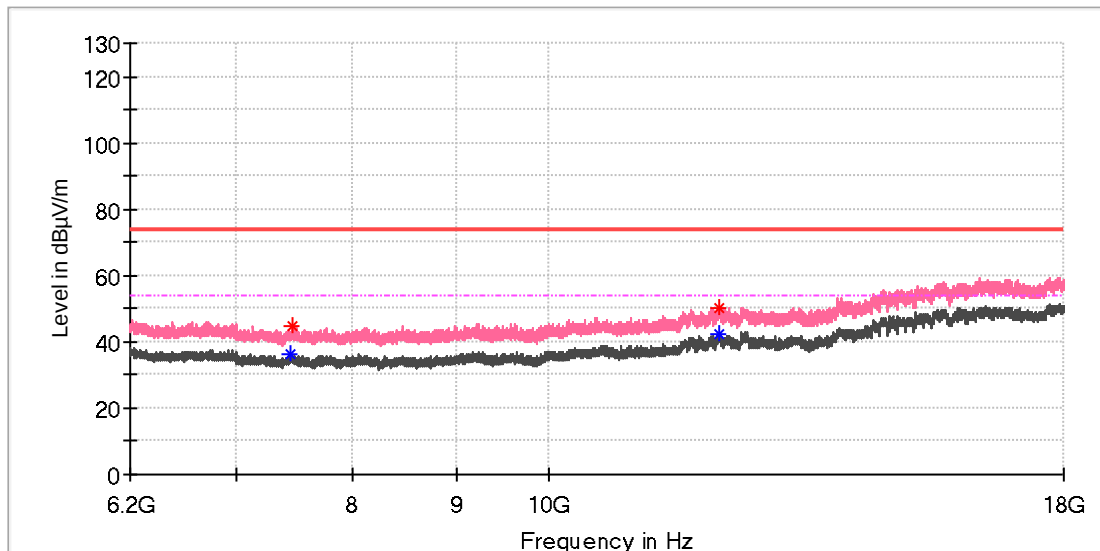
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7457.191667     | ---              | 35.69            | 54.00          | 18.31       | 150.0       | H   | 109.0         | 8.5          |
| 7487.183333     | 44.78            | ---              | 74.00          | 29.22       | 150.0       | H   | 109.0         | 8.7          |
| 12144.741667    | ---              | 42.55            | 54.00          | 11.45       | 150.0       | H   | 217.0         | 16.6         |
| 12147.200000    | 50.35            | ---              | 74.00          | 23.65       | 150.0       | H   | 257.0         | 16.7         |

## Final\_Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11n40\_Ch6  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7446.375000     | ---              | 36.35            | 54.00          | 17.65       | 150.0       | V   | 156.0         | 8.5          |
| 7459.158333     | 44.90            | ---              | 74.00          | 29.10       | 150.0       | V   | 266.0         | 8.5          |
| 12150.150000    | 50.43            | ---              | 74.00          | 23.57       | 150.0       | V   | 166.0         | 16.7         |
| 12154.083333    | ---              | 42.42            | 54.00          | 11.58       | 150.0       | V   | 111.0         | 16.5         |

## Final\_Result

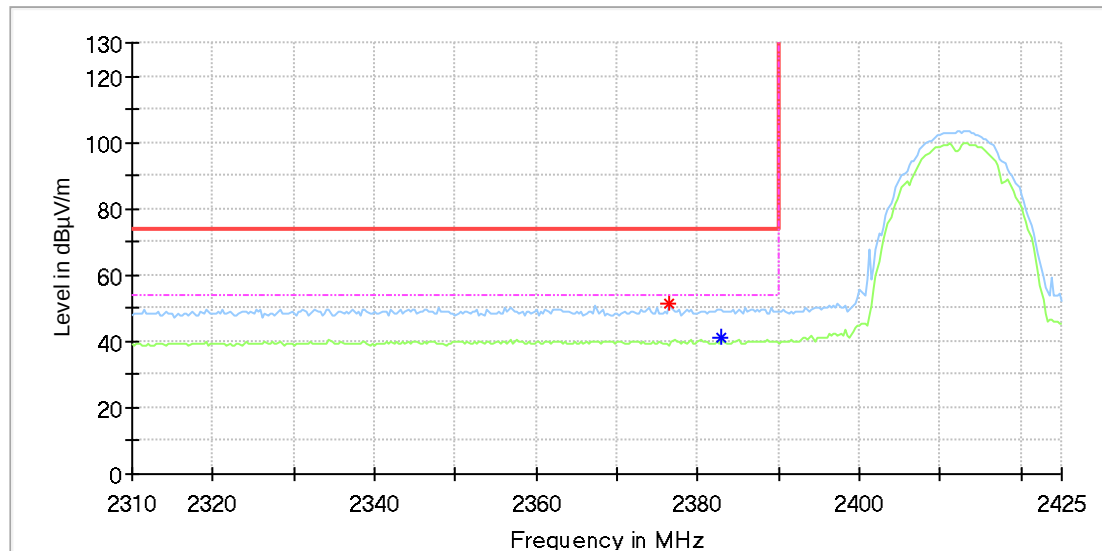
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---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

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

### Wi-Fi 802.11 b mode

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | RRA0TAL                  |
| Test Mode:          | WIFI 2.4G_11b_Ch1        |
| Order No/Sample No: | 168509527/A003898237-011 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

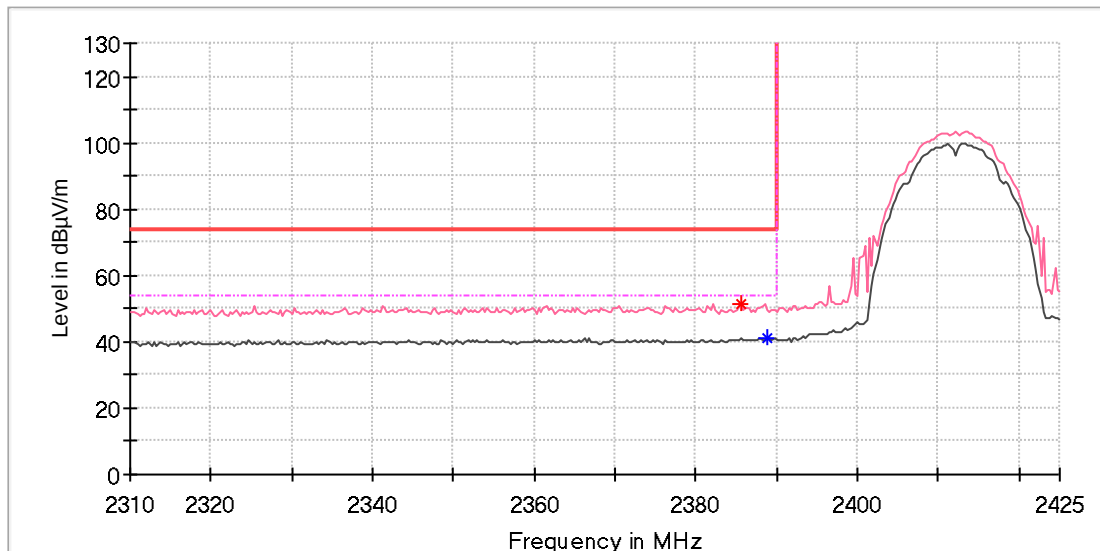
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2376.470588     | 51.48            | ---              | 74.00          | 22.52       | 150.0       | H   | 352.0         | 8.5          |
| 2382.941177     | ---              | 41.08            | 54.00          | 12.92       | 150.0       | H   | 261.0         | 8.5          |

### Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11b\_Ch1  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

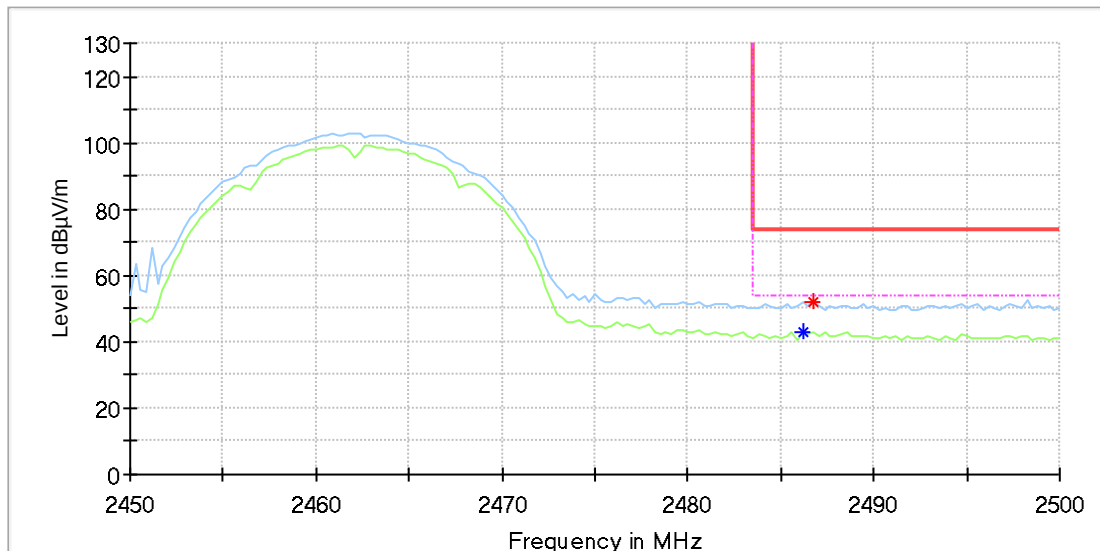
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2385.588235     | 51.35            | ---              | 74.00          | 22.65       | 150.0       | V   | 116.0         | 8.5          |
| 2388.823529     | ---              | 41.06            | 54.00          | 12.94       | 150.0       | V   | 14.0          | 8.5          |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | RRA0TAL                  |
| Test Mode:          | WIFI 2.4G_11b_Ch11       |
| Order No/Sample No: | 168509527/A003898237-011 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

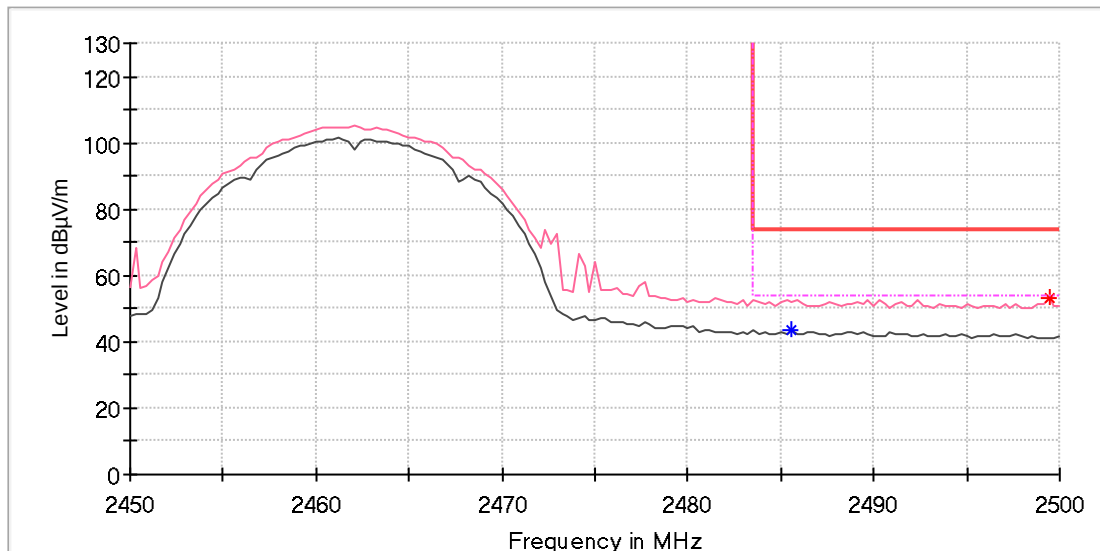
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2486.176471     | ---              | 42.91            | 54.00          | 11.09       | 150.0       | H   | 248.0         | 9.0          |
| 2486.764706     | 52.22            | ---              | 74.00          | 21.78       | 150.0       | H   | 248.0         | 9.0          |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | RRA0TAL                  |
| Test Mode:          | WIFI 2.4G_11b_Ch11       |
| Order No/Sample No: | 168509527/A003898237-011 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| 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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2485.588235     | ---              | 43.37            | 54.00          | 10.63       | 150.0       | V   | 83.0          | 9.0          |
| 2499.411765     | 53.25            | ---              | 74.00          | 20.75       | 150.0       | V   | 292.0         | 9.0          |

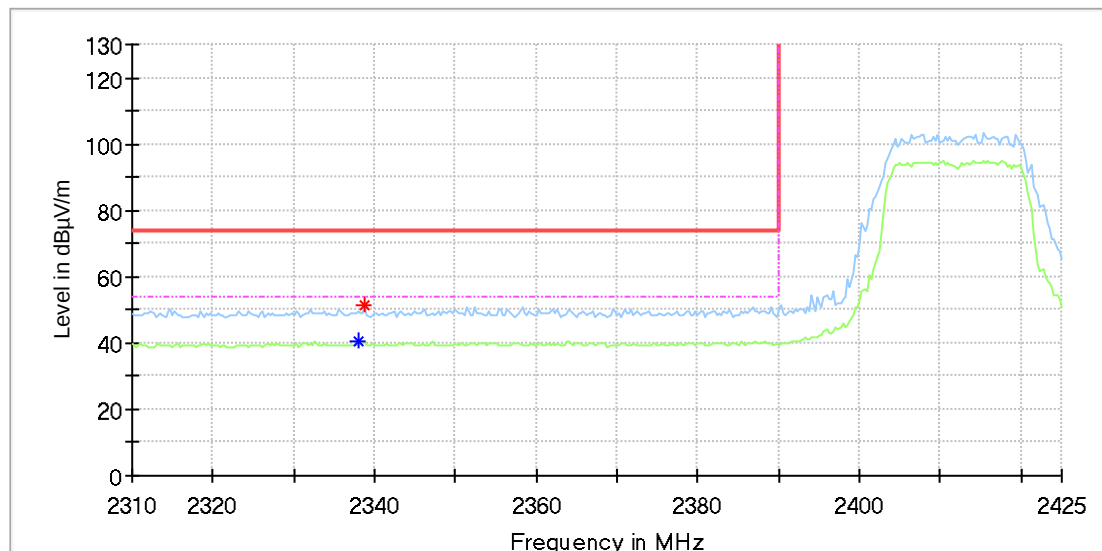
## Final Result

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

## Wi-Fi 802.11 g mode

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | RRA0TAL                  |
| Test Mode:          | WIFI 2.4G_11g_Ch1        |
| Order No/Sample No: | 168509527/A003898237-011 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

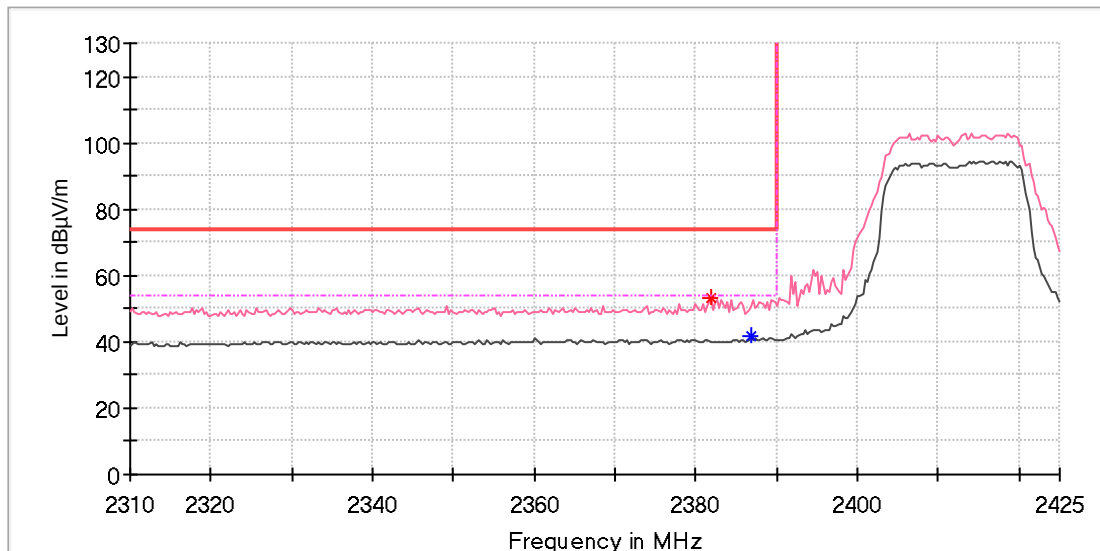
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2337.941177     | ---              | 40.43            | 54.00          | 13.57       | 150.0       | H   | 249.0         | 8.4          |
| 2338.823529     | 51.22            | ---              | 74.00          | 22.78       | 150.0       | H   | 157.0         | 8.4          |

### Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11g\_Ch1  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

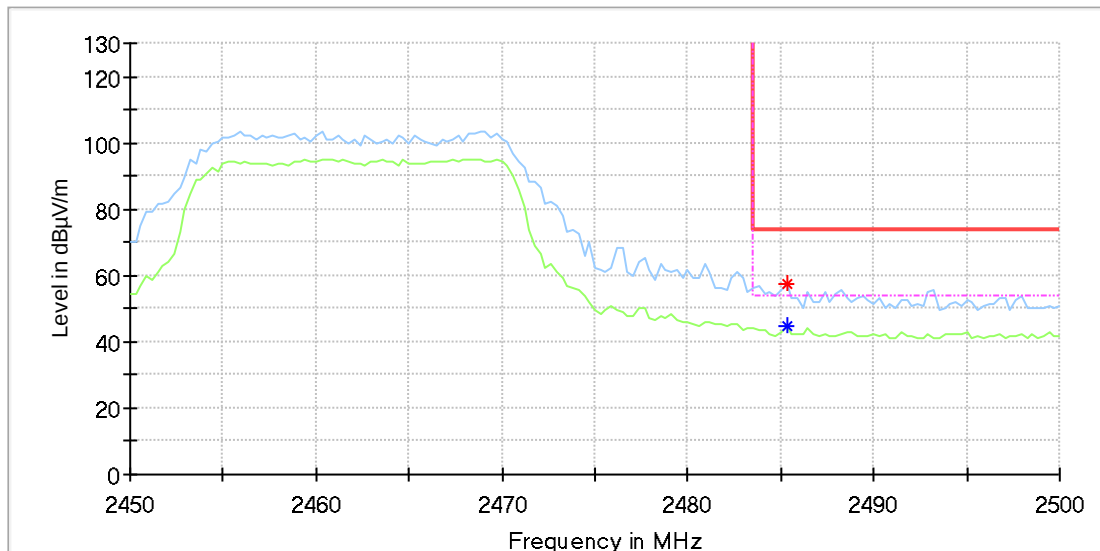
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2381.764706     | 52.93            | ---              | 74.00          | 21.07       | 150.0       | V   | 62.0          | 8.5          |
| 2386.764706     | ---              | 41.78            | 54.00          | 12.22       | 150.0       | V   | 187.0         | 8.5          |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11g\_Ch11  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

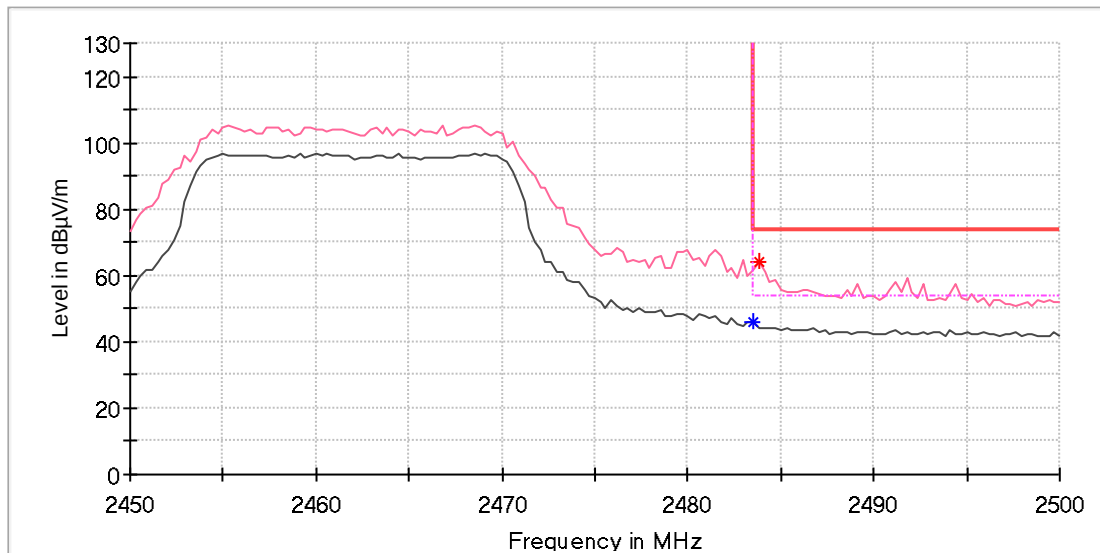
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2485.294118     | 57.54            | ---              | 74.00          | 16.46       | 150.0       | H   | 253.0         | 9.0          |
| 2485.294118     | ---              | 44.93            | 54.00          | 9.07        | 150.0       | H   | 253.0         | 9.0          |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | RRA0TAL                  |
| Test Mode:          | WIFI 2.4G_11g_Ch11       |
| Order No/Sample No: | 168509527/A003898237-011 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| 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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.529412     | ---              | 46.13            | 54.00          | 7.87        | 150.0       | V   | 86.0          | 9.0          |
| 2483.823529     | 64.29            | ---              | 74.00          | 9.71        | 150.0       | V   | 327.0         | 9.0          |

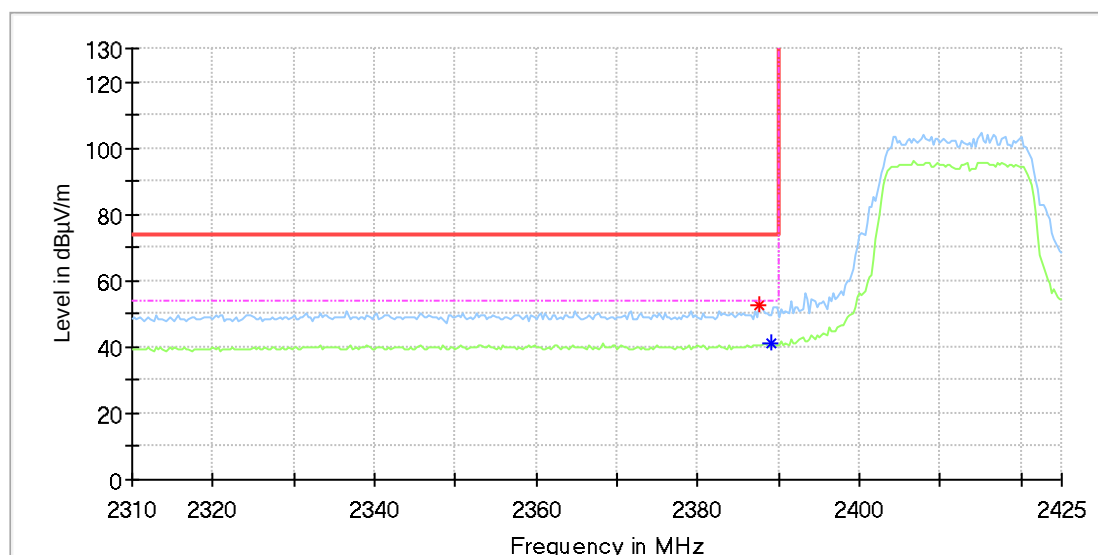
## Final Result

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

## Wi-Fi 802.11 n(HT20) mode

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | RRA0TAL                  |
| Test Mode:          | WIFI 2.4G_11n20_Ch1      |
| Order No/Sample No: | 168509527/A003898237-011 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

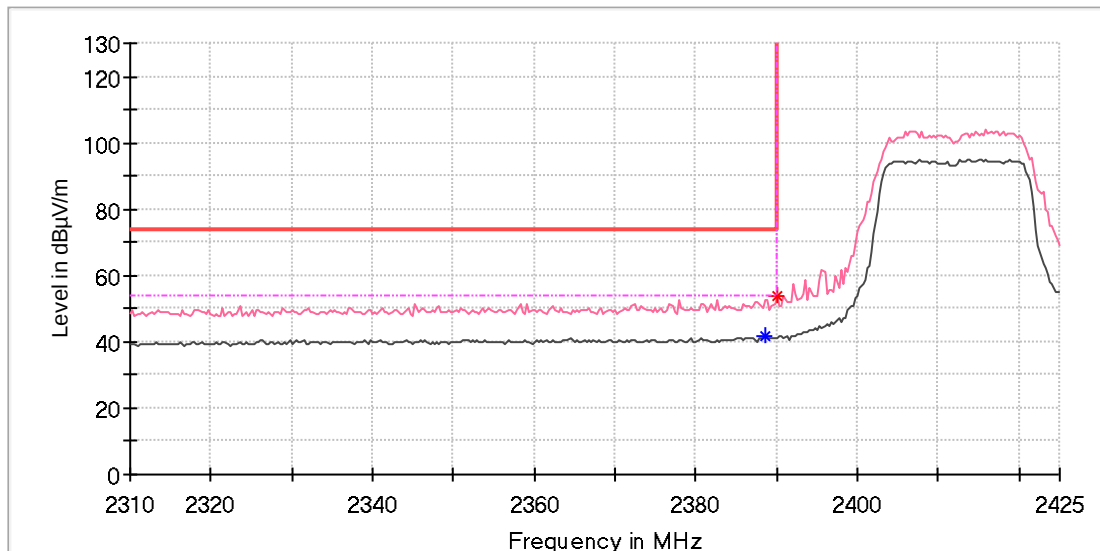
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2387.647059     | 52.77            | ---              | 74.00          | 21.23       | 150.0       | H   | 251.0         | 8.5          |
| 2389.117647     | ---              | 41.12            | 54.00          | 12.88       | 150.0       | H   | 251.0         | 8.5          |

### Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11n20\_Ch1  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

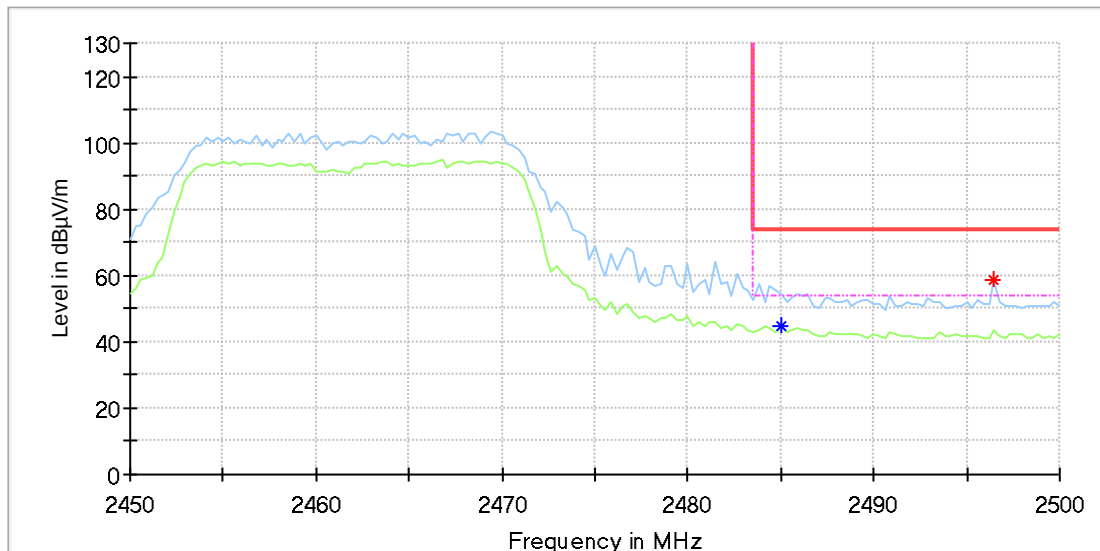
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2388.529412     | ---              | 41.64            | 54.00          | 12.36       | 150.0       | V   | 80.0          | 8.5          |
| 2390.000000     | 53.81            | ---              | 74.00          | 20.19       | 150.0       | V   | 329.0         | 8.5          |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | RRA0TAL                  |
| Test Mode:          | WIFI 2.4G_11n20_Ch11     |
| Order No/Sample No: | 168509527/A003898237-011 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

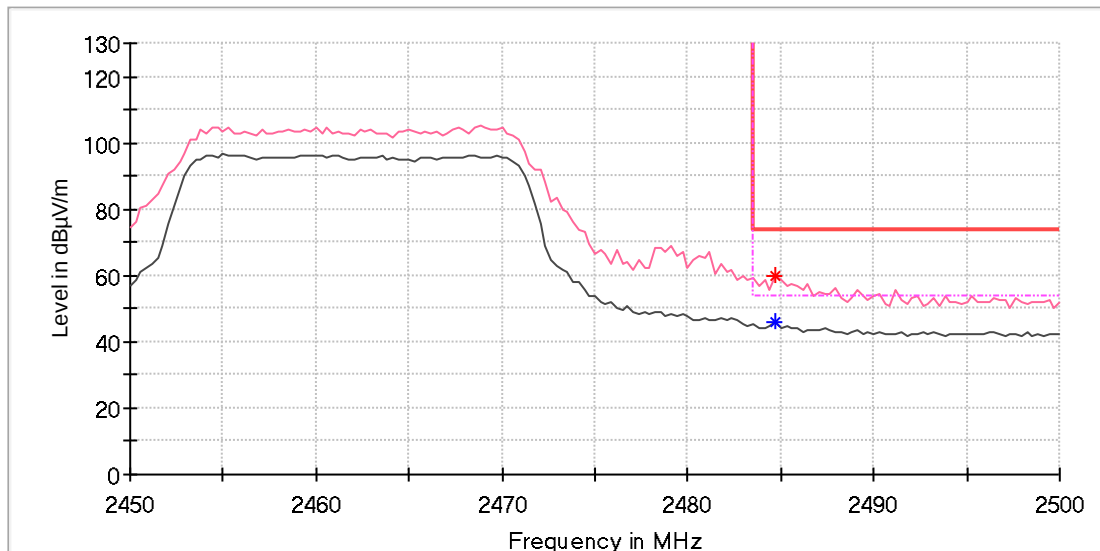
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2485.000000     | ---              | 44.87            | 54.00          | 9.13        | 150.0       | H   | 359.0         | 9.0          |
| 2496.470588     | 58.50            | ---              | 74.00          | 15.50       | 150.0       | H   | 248.0         | 9.0          |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11n20\_Ch11  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.705882     | 59.78            | ---              | 74.00          | 14.22       | 150.0       | V   | 333.0         | 9.0          |
| 2484.705882     | ---              | 45.67            | 54.00          | 8.33        | 150.0       | V   | 333.0         | 9.0          |

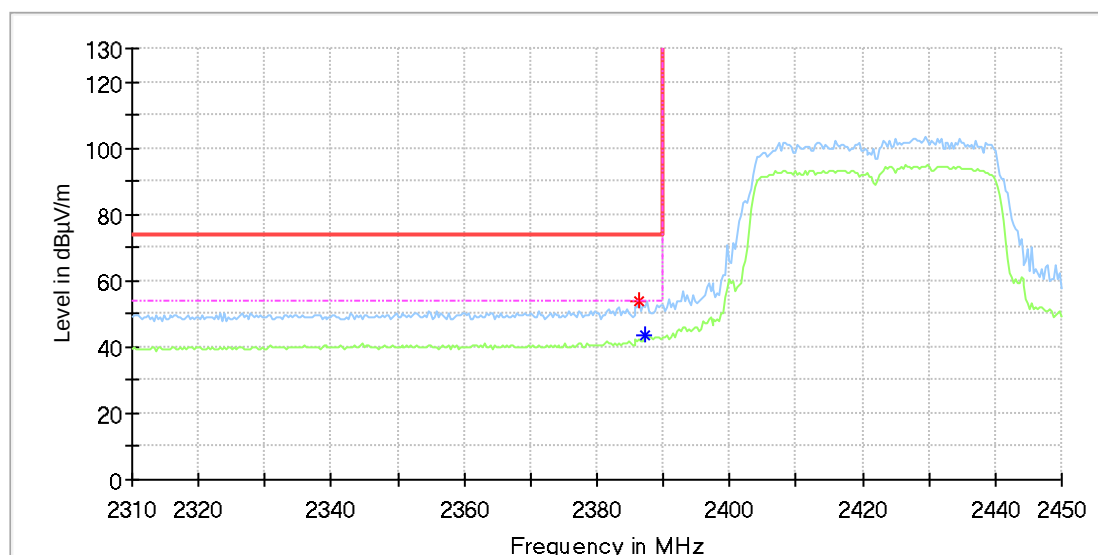
## Final Result

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

## Wi-Fi 802.11 n(HT40) mode

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | RRA0TAL                  |
| Test Mode:          | WIFI 2.4G_11n40_Ch3      |
| Order No/Sample No: | 168509527/A003898237-011 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

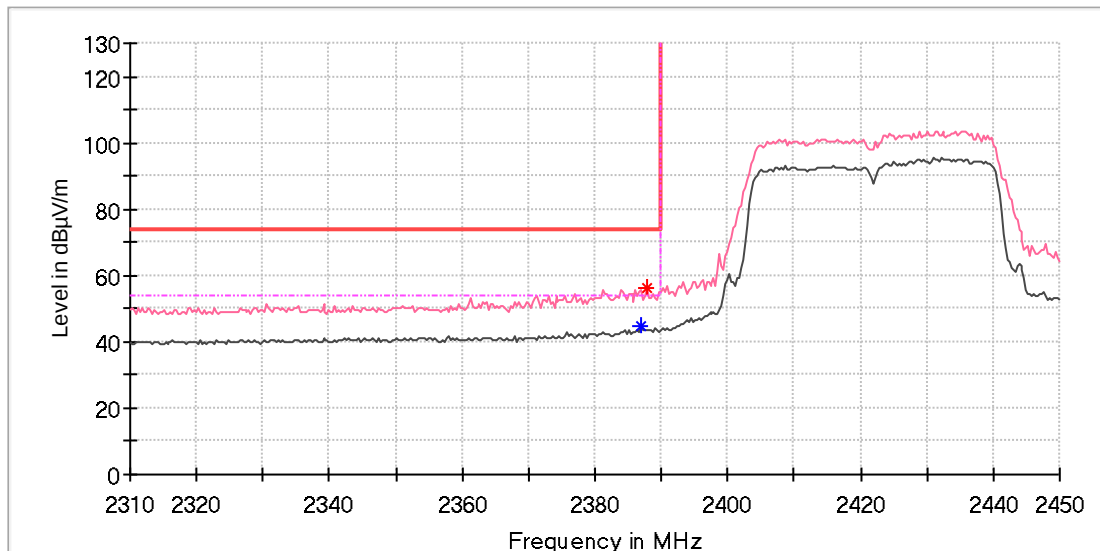
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2386.470588     | 54.08            | ---              | 74.00          | 19.92       | 150.0       | H   | 246.0         | 8.5          |
| 2387.352941     | ---              | 43.43            | 54.00          | 10.57       | 150.0       | H   | 246.0         | 8.5          |

### Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | RRA0TAL                  |
| Test Mode:          | WIFI 2.4G_11n40_Ch3      |
| Order No/Sample No: | 168509527/A003898237-011 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

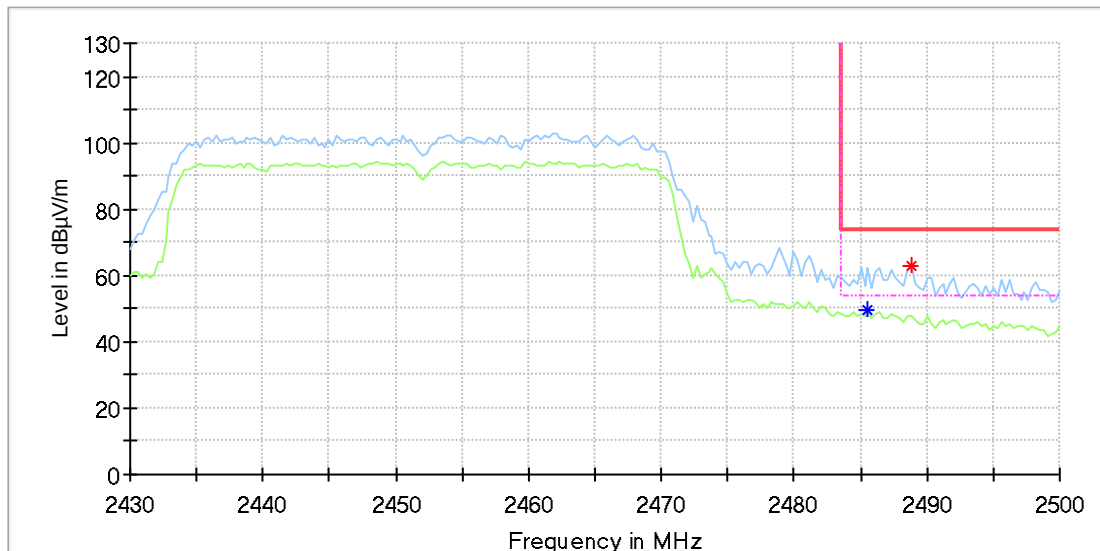
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2387.058824     | ---              | 44.50            | 54.00          | 9.50        | 150.0       | V   | 84.0          | 8.5          |
| 2387.941177     | 55.95            | ---              | 74.00          | 18.05       | 150.0       | V   | 183.0         | 8.5          |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: RRA0TAL  
Test Mode: WIFI 2.4G\_11n40\_Ch9  
Order No/Sample No: 168509527/A003898237-011  
Test Voltage: Battery  
Remark: Temp 24 Humi:50%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

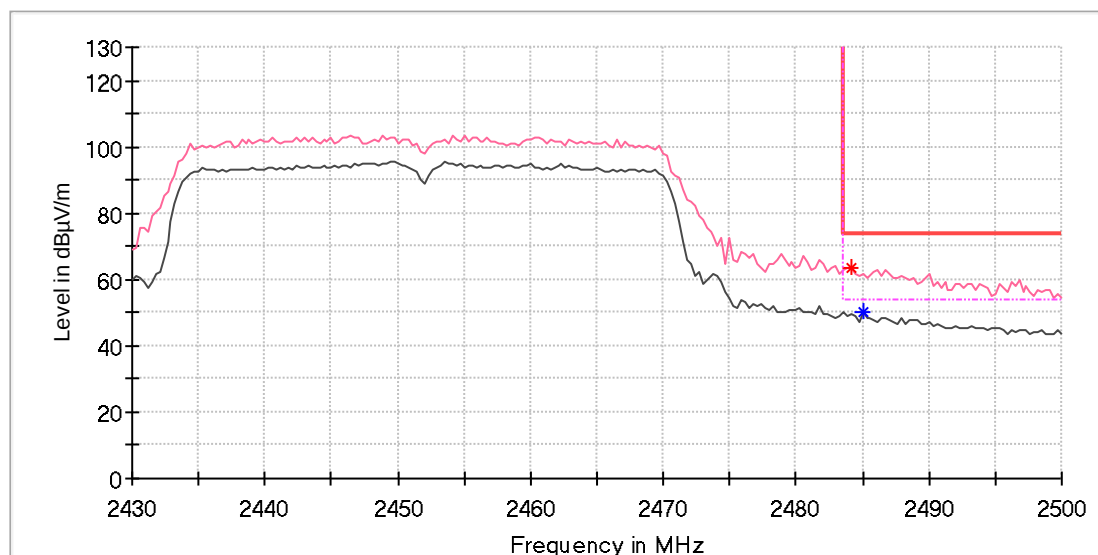
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2485.588235     | ---              | 49.69            | 54.00          | 4.31        | 150.0       | H   | 255.0         | 9.0          |
| 2488.823529     | 62.60            | ---              | 74.00          | 11.40       | 150.0       | H   | 255.0         | 9.0          |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | RRA0TAL                  |
| Test Mode:          | WIFI 2.4G_11n40_Ch9      |
| Order No/Sample No: | 168509527/A003898237-011 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 24 Humi:50%         |
| 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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.117647     | 63.30            | ---              | 74.00          | 10.70       | 150.0       | V   | 0.0           | 9.0          |
| 2485.000000     | ---              | 50.08            | 54.00          | 3.92        | 150.0       | V   | 0.0           | 9.0          |

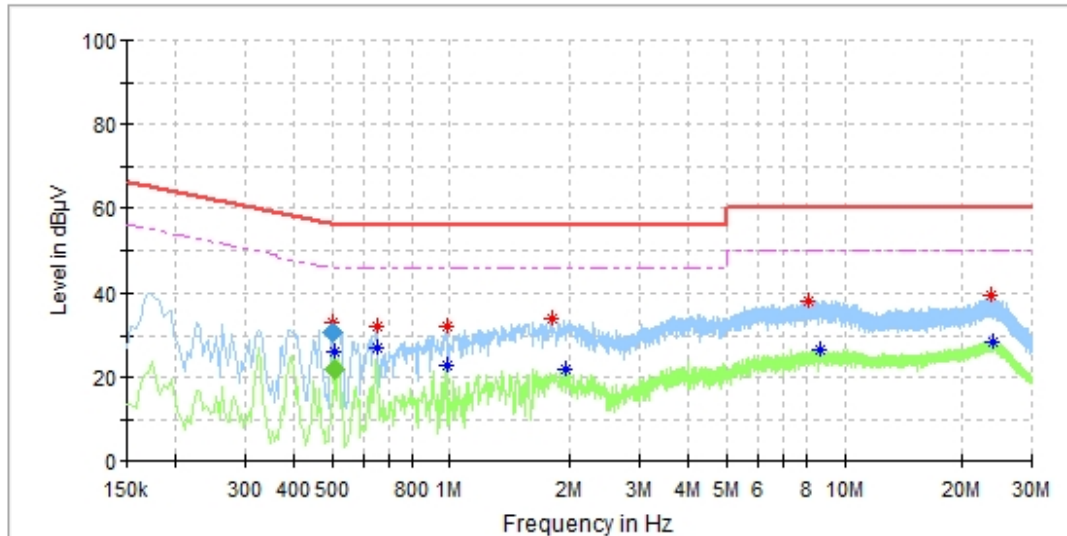
## Final Result

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

## Appendix A.7: Test Results of Conducted Emission on AC Mains

### EUT Information

|                     |                        |
|---------------------|------------------------|
| EUT Name            | Robotic Vacuum Cleaner |
| Order Number:       | 168509527              |
| Model:              | RRA0TAL                |
| Test Mode:          | WIFI Link              |
| Test Voltage:       | AC 120V/60Hz           |
| Test Standard:      | FCC Part 15C           |
| Test By:/Review By: | Birch Zhang/Shower Dai |
| Tem./Hum./Pressure: | 23.2°C/49.1%/101kPa    |
| Remark:             | SR2                    |



### Critical\_Freqs

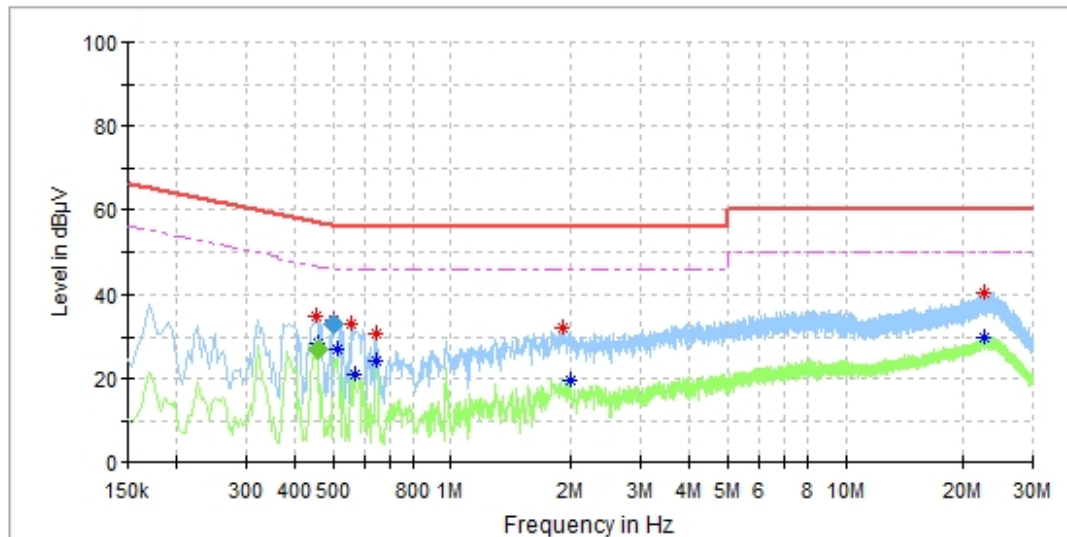
| Frequency (MHz) | MaxPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.504000        | 33.04          | ---            | 56.00        | 22.96       | L1   | 10.3       |
| 0.506500        | ---            | 26.20          | 46.00        | 19.80       | L1   | 10.3       |
| 0.652000        | ---            | 26.84          | 46.00        | 19.16       | L1   | 10.3       |
| 0.652000        | 31.93          | ---            | 56.00        | 24.07       | L1   | 10.3       |
| 0.980000        | ---            | 22.73          | 46.00        | 23.27       | L1   | 10.3       |
| 0.980000        | 32.05          | ---            | 56.00        | 23.95       | L1   | 10.3       |
| 1.804000        | 33.79          | ---            | 56.00        | 22.21       | L1   | 10.3       |
| 1.956000        | ---            | 21.79          | 46.00        | 24.21       | L1   | 10.3       |
| 8.132000        | 38.19          | ---            | 60.00        | 21.81       | L1   | 10.6       |
| 8.712000        | ---            | 26.68          | 50.00        | 23.32       | L1   | 10.6       |
| 23.632000       | 39.31          | ---            | 60.00        | 20.69       | L1   | 11.2       |
| 23.880000       | ---            | 28.54          | 50.00        | 21.46       | L1   | 11.2       |

### Final\_Result

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|-----------------|-----------------|------|------------|
| 0.504000        | 30.56            | ---            | 56.00        | 25.44       | 1000.0          | 9.000           | L1   | 10.3       |
| 0.506500        | ---              | 22.05          | 46.00        | 23.95       | 1000.0          | 9.000           | L1   | 10.3       |

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Order Number: 168509527  
Model: RRA0TAL  
Test Mode: WIFI Link  
Test Voltage: AC 120V/60Hz  
Test Standard: FCC Part 15C  
Test By./Review By: Birch Zhang/Shower Dai  
Tem./Hum./Pressure: 23.2°C/49.1%/101kPa  
Remark: SR2



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.454000        | 34.94          | ---            | 56.80        | 21.86       | N    | 10.2       |
| 0.456500        | ---            | 28.44          | 46.88        | 18.43       | N    | 10.2       |
| 0.504000        | 34.15          | ---            | 56.00        | 21.85       | N    | 10.2       |
| 0.512000        | ---            | 27.20          | 46.00        | 18.80       | N    | 10.2       |
| 0.556000        | 32.95          | ---            | 56.00        | 23.05       | N    | 10.2       |
| 0.568000        | ---            | 20.88          | 46.00        | 25.12       | N    | 10.2       |
| 0.644000        | 30.68          | ---            | 56.00        | 25.32       | N    | 10.3       |
| 0.648000        | ---            | 24.38          | 46.00        | 21.62       | N    | 10.3       |
| 1.908000        | 31.95          | ---            | 56.00        | 24.05       | N    | 10.3       |
| 1.992000        | ---            | 19.41          | 46.00        | 26.59       | N    | 10.3       |
| 22.668000       | 40.67          | ---            | 60.00        | 19.33       | N    | 10.6       |
| 22.684000       | ---            | 29.95          | 50.00        | 20.05       | N    | 10.6       |

## Final Result

| Frequency (MHz) | QuasiPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|-----------------|-----------------|------|------------|
| 0.456500        | ---              | 26.80          | 46.76        | 19.96       | 1000.0          | 9.000           | N    | 10.2       |
| 0.504000        | 33.01            | ---            | 56.00        | 22.99       | 1000.0          | 9.000           | N    | 10.2       |