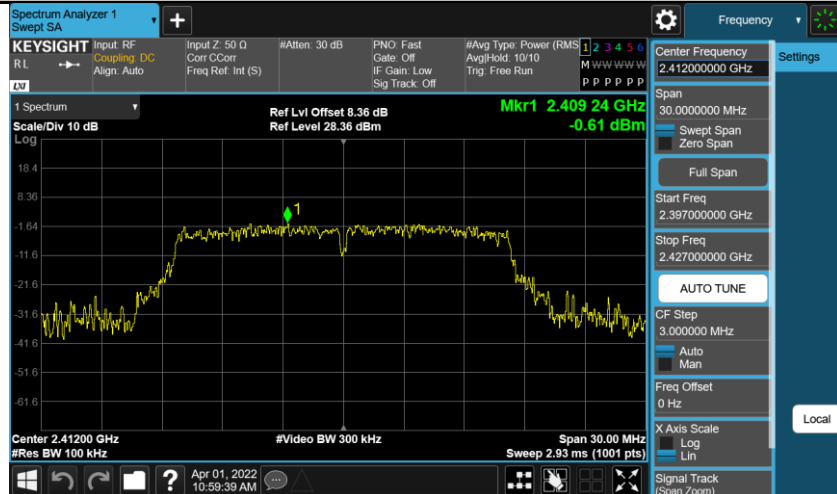
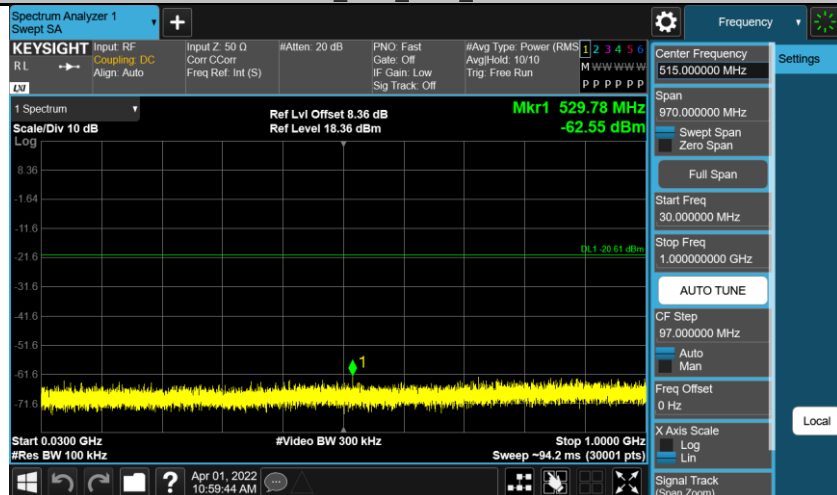


### 11G\_Ant1\_2412\_0-Reference



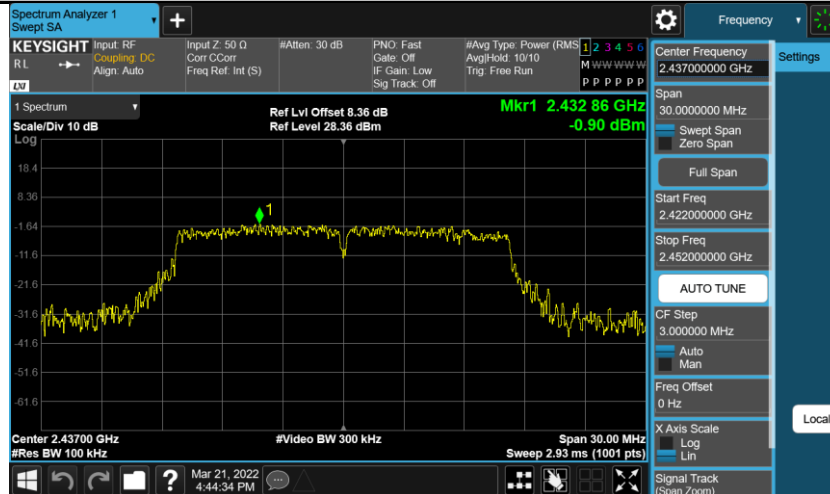
### 11G\_Ant1\_2412\_30-1000



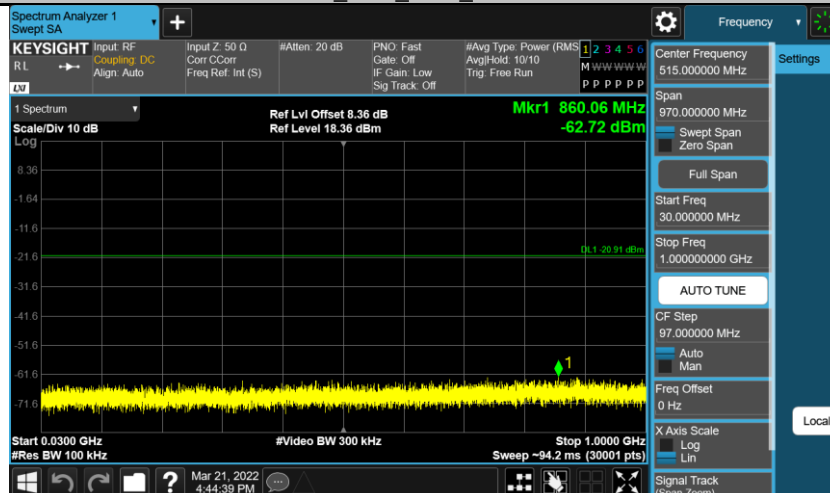
### 11G\_Ant1\_2412\_1000-26500



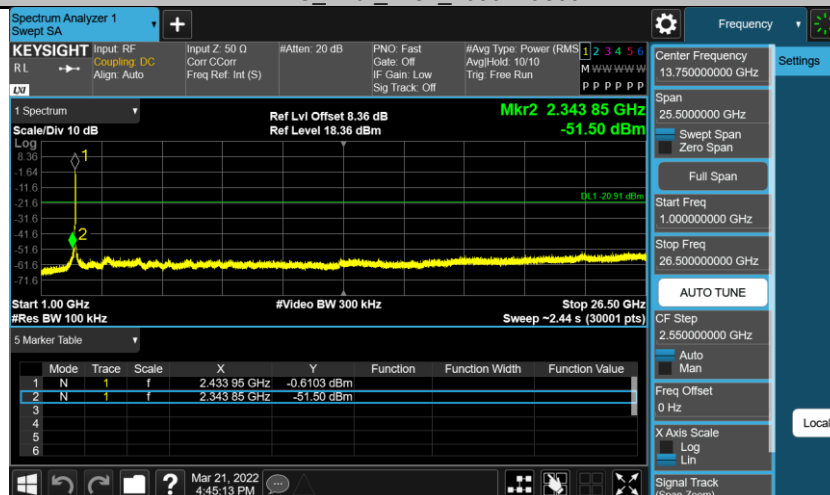
### 11G\_Ant1\_2437\_0-Reference



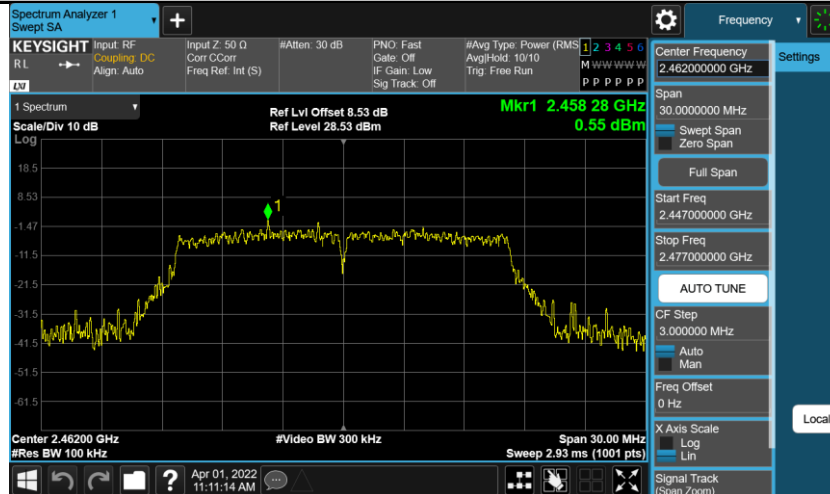
### 11G\_Ant1\_2437\_30-1000



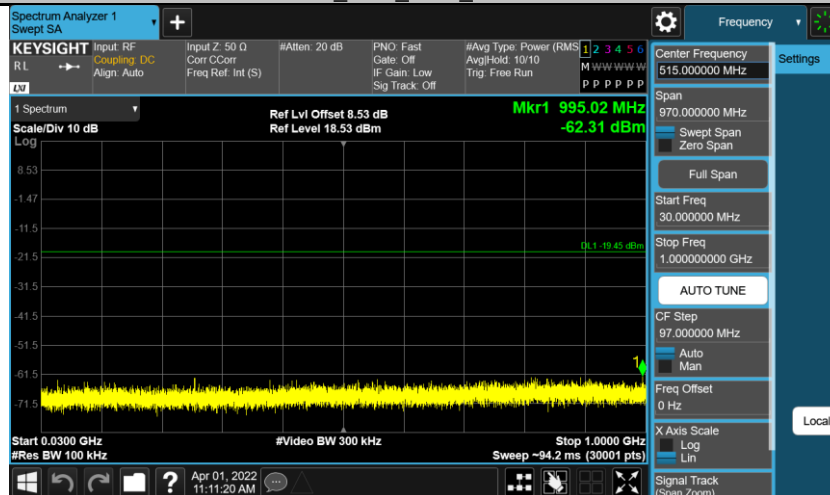
### 11G\_Ant1\_2437\_1000-26500



### 11G\_Ant1\_2462\_0-Reference

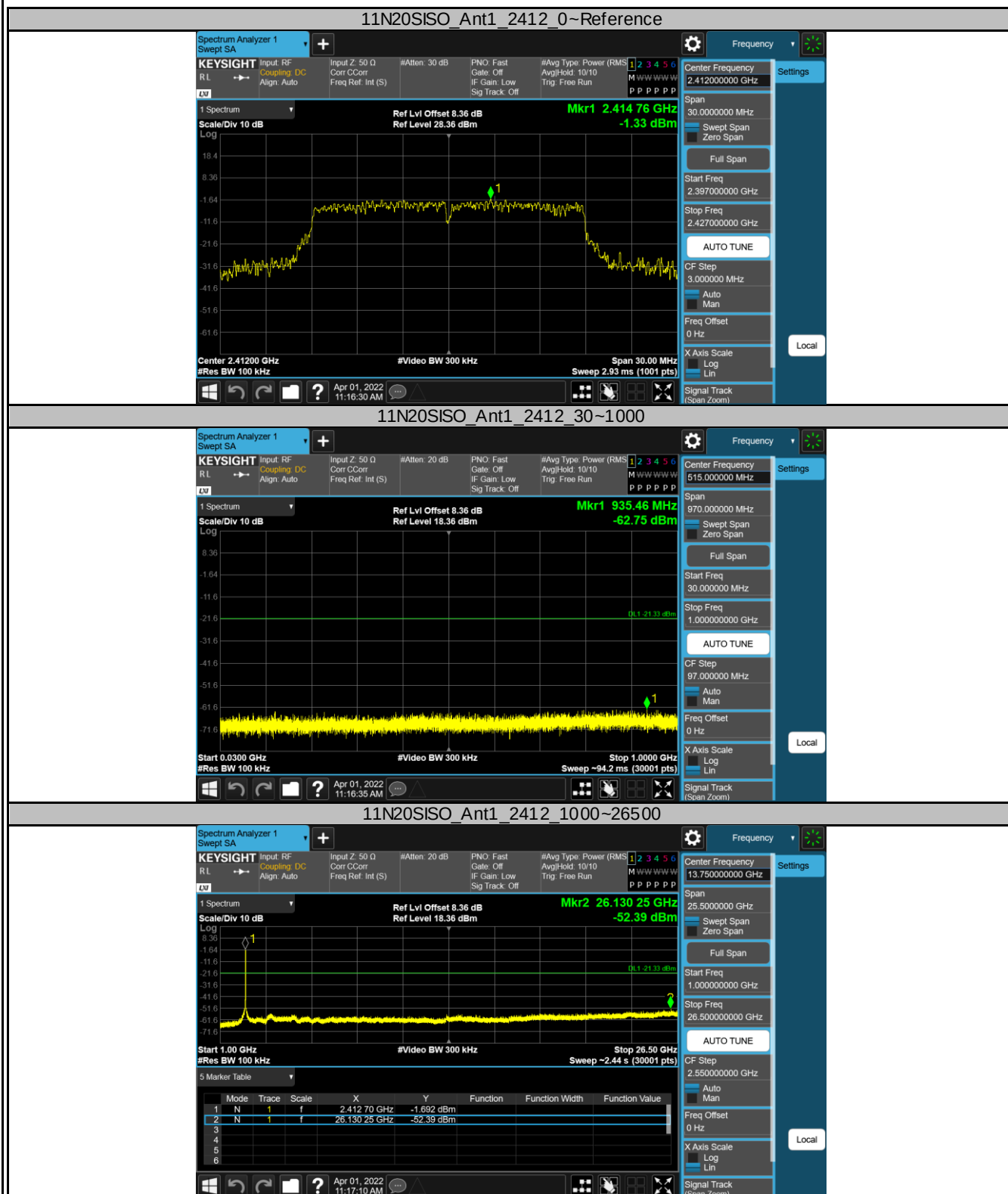


### 11G\_Ant1\_2462\_30-1000



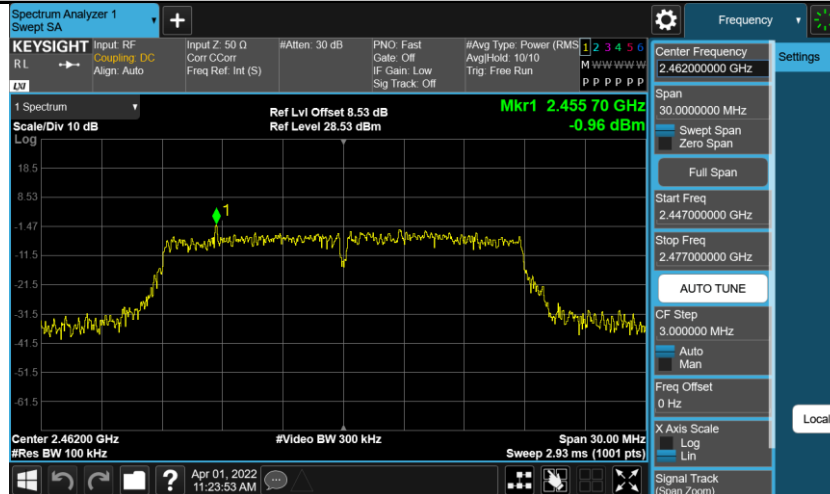
### 11G\_Ant1\_2462\_1000-26500



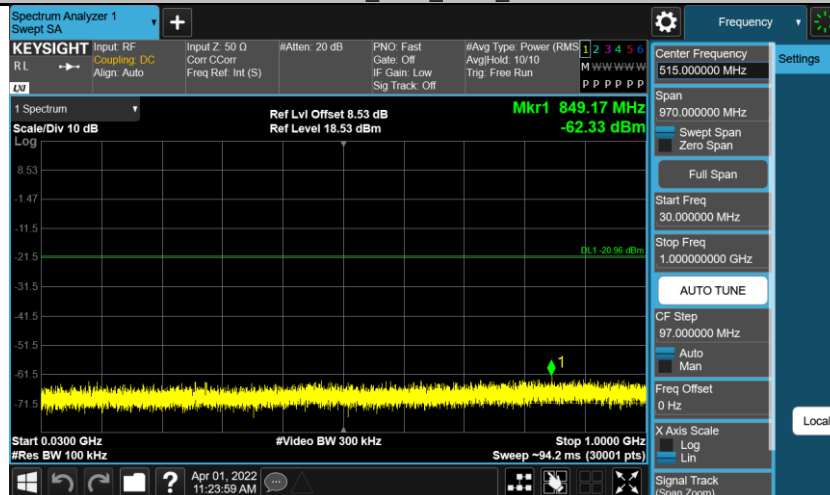




### 11N20SISO\_Ant1\_2462\_0~Reference



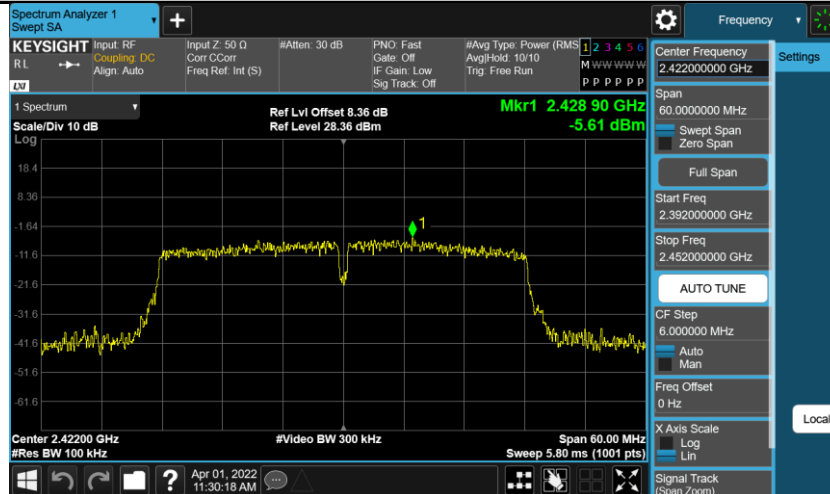
### 11N20SISO\_Ant1\_2462\_30~1000



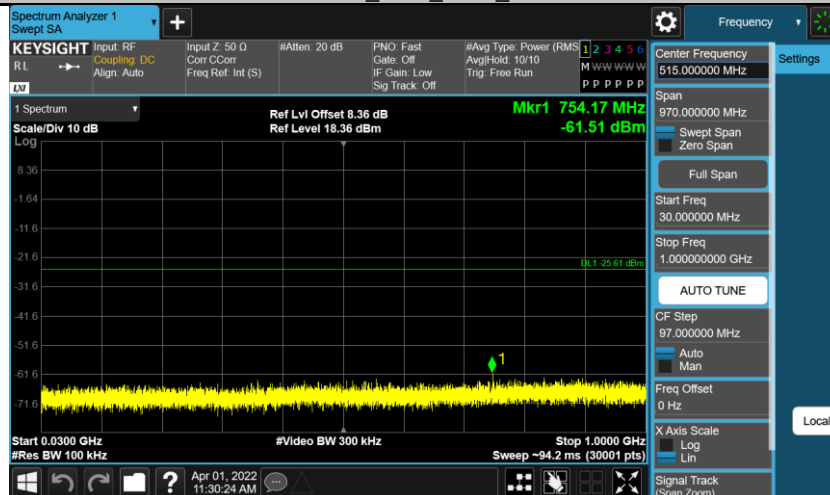
### 11N20SISO\_Ant1\_2462\_1000~26500



### 11N40SISO\_Ant1\_2422\_0~Reference



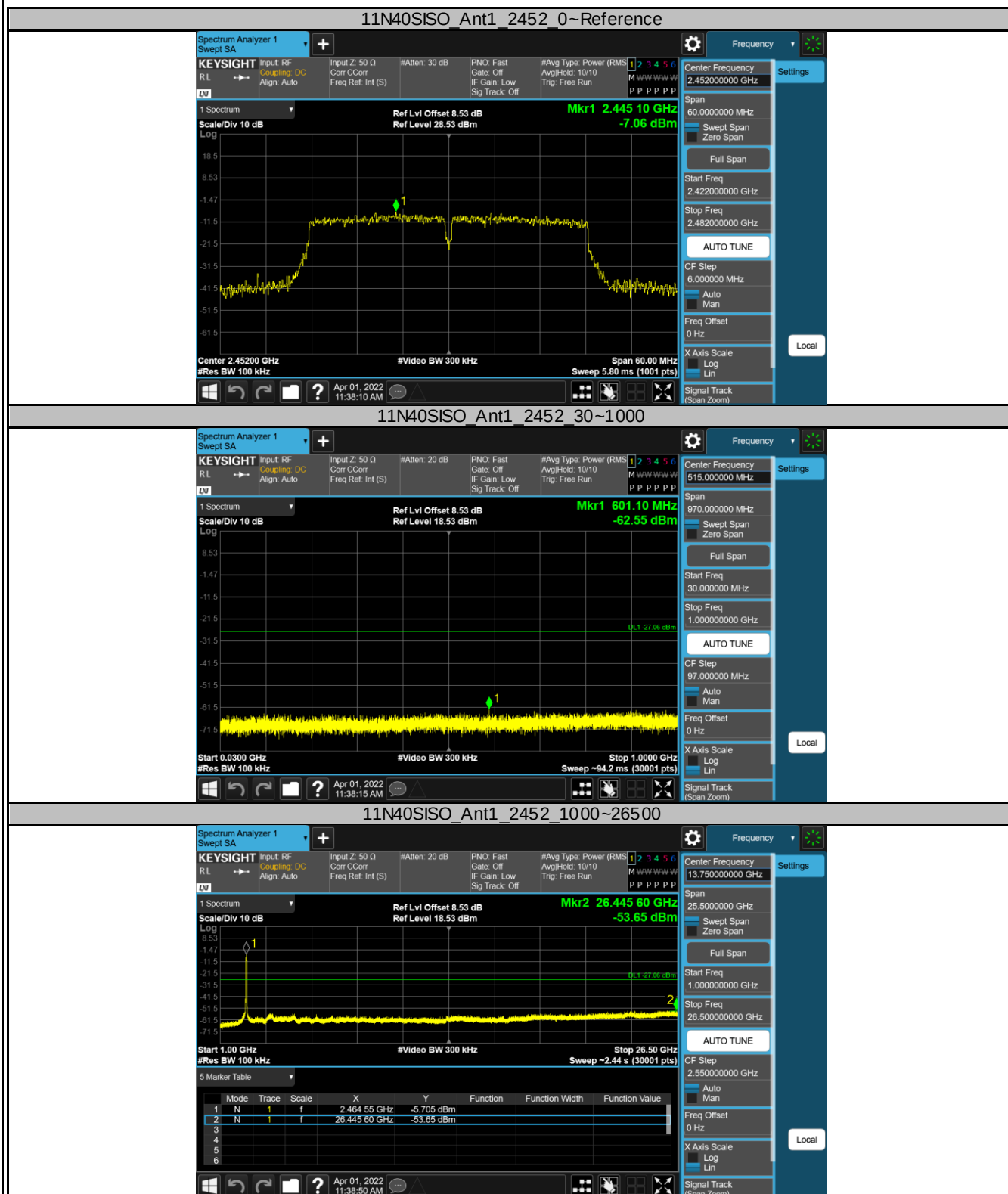
### 11N40SISO\_Ant1\_2422\_30~1000



### 11N40SISO\_Ant1\_2422\_1000~26500







## Band Edge

| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low    | 2412    | 5.18          | -28.84      | ≤-14.83    | PASS    |
|           |         | High   | 2462    | 4.28          | -43.19      | ≤-15.72    | PASS    |
| 11G       | Ant1    | Low    | 2412    | 3.09          | -24.9       | ≤-16.91    | PASS    |
|           |         | High   | 2462    | 1.72          | -40.07      | ≤-18.28    | PASS    |
| 11N20SISO | Ant1    | Low    | 2412    | -0.64         | -27.06      | ≤-20.64    | PASS    |
|           |         | High   | 2462    | 1.02          | -38.68      | ≤-18.98    | PASS    |
| 11N40SISO | Ant1    | Low    | 2422    | -2.22         | -34.94      | ≤-22.22    | PASS    |
|           |         | High   | 2452    | -3.99         | -36.25      | ≤-23.99    | PASS    |

11B\_Ant1\_Low\_2412



11B\_Ant1\_High\_2462



### 11G\_Ant1\_Low\_2412



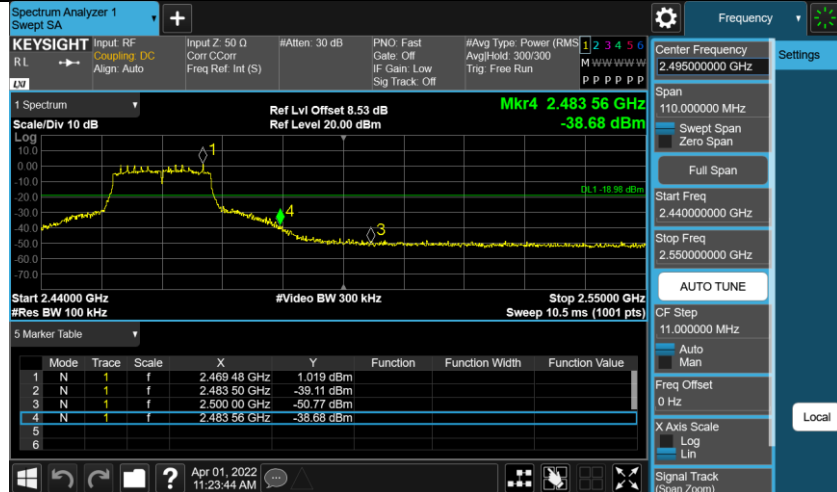
### 11G\_Ant1\_High\_2462



### 11N20SISO\_Ant1\_Low\_2412



### 11N20SISO\_Ant1\_High\_2462



### 11N40SISO\_Ant1\_Low\_2422



### 11N40SISO\_Ant1\_High\_2452

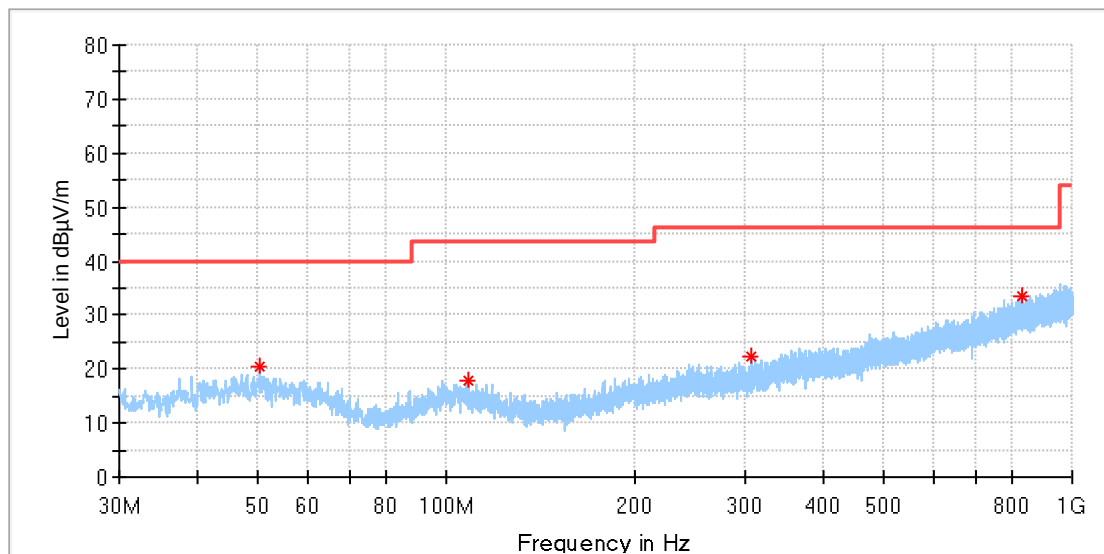


Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

## Appendix B.5: Test Results of Radiated Spurious Emissions 30MHz - 1GHz (Worst case)

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11b_Ch1        |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical Freqs

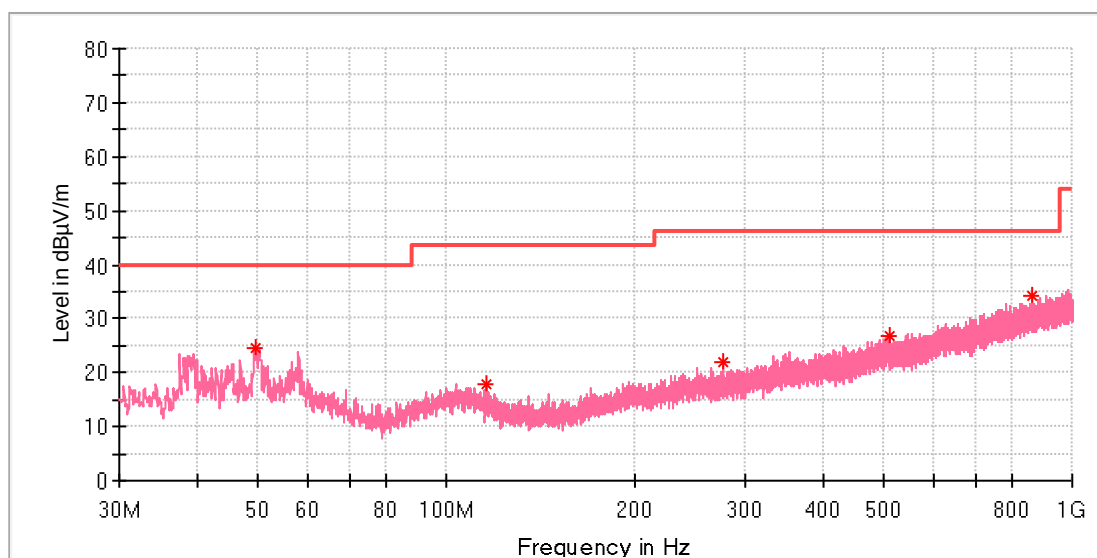
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 50.224500       | 20.53            | 40.00          | 19.47       | 100.0       | H   | 290.0         | -18.3        |
| 108.036500      | 17.82            | 43.50          | 25.68       | 100.0       | H   | 68.0          | -18.9        |
| 307.614000      | 22.28            | 46.00          | 23.72       | 100.0       | H   | 6.0           | -16.0        |
| 828.455500      | 33.60            | 46.00          | 12.40       | 100.0       | H   | 178.0         | -5.8         |

### 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:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11b_Ch1        |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

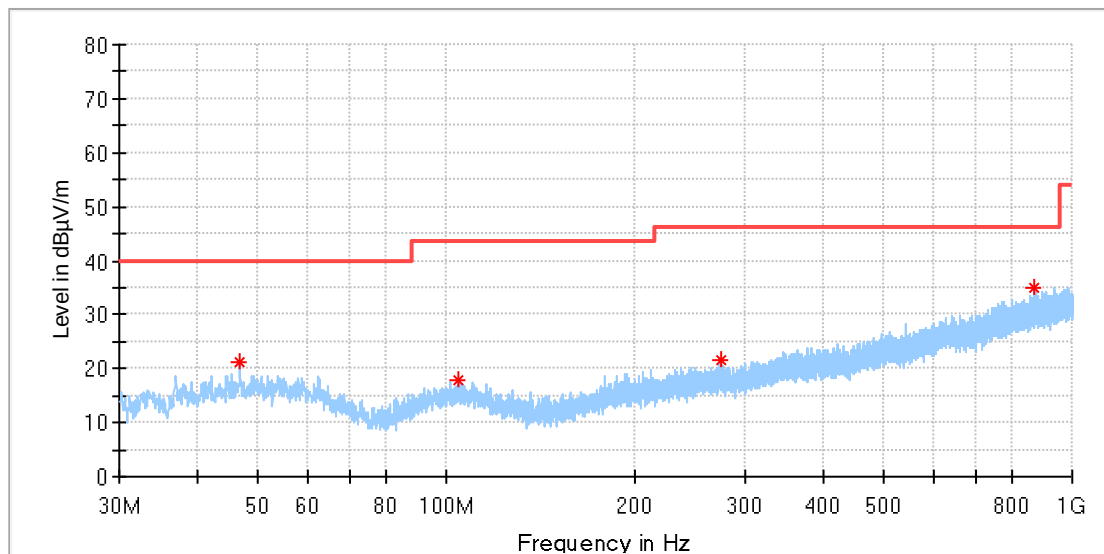
| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 49.400000       | 24.55            | 40.00          | 15.45       | 100.0       | V   | 150.0         | -18.3        |
| 115.699500      | 17.80            | 43.50          | 25.70       | 100.0       | V   | 125.0         | -19.9        |
| 276.477000      | 21.87            | 46.00          | 24.13       | 100.0       | V   | 117.0         | -16.8        |
| 510.198500      | 26.96            | 46.00          | 19.04       | 100.0       | V   | 244.0         | -11.6        |
| 860.950500      | 34.13            | 46.00          | 11.87       | 100.0       | V   | 172.0         | -5.3         |

## 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: Q380RR  
Test Mode: WiFi 2.4G\_11b\_Ch11  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

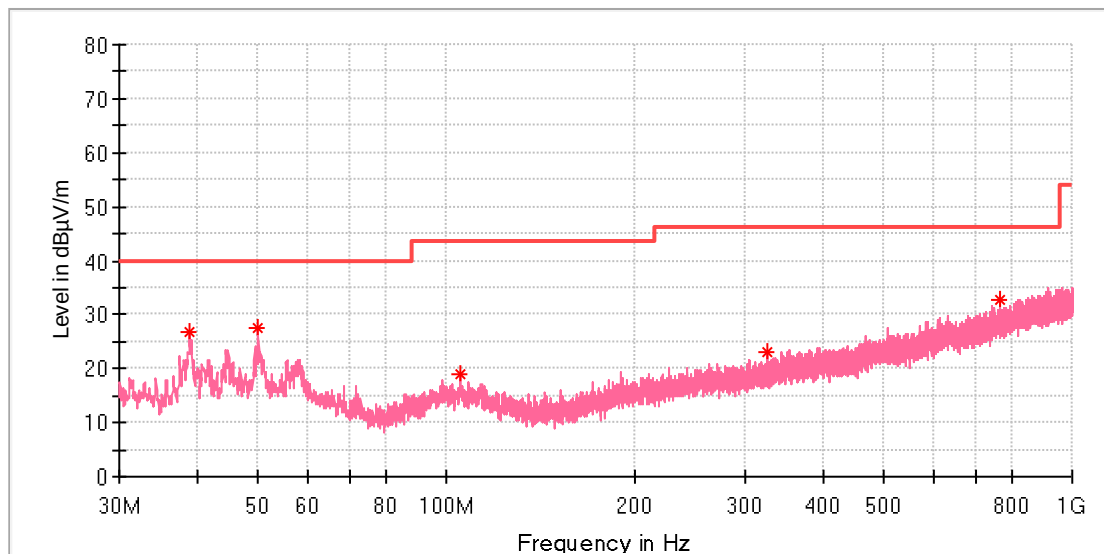
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 46.781000       | 21.09            | 40.00          | 18.91       | 100.0       | H   | 81.0          | -18.5        |
| 104.205000      | 17.79            | 43.50          | 25.71       | 100.0       | H   | 295.0         | -18.8        |
| 275.507000      | 21.51            | 46.00          | 24.49       | 100.0       | H   | 325.0         | -16.8        |
| 870.699000      | 34.93            | 46.00          | 11.07       | 100.0       | H   | 161.0         | -5.2         |

## 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: Q380RR  
 Test Mode: WiFi 2.4G\_11b\_Ch11  
 Order No/Sample No: 168361509/A003218991-005  
 Test Voltage: Battery  
 Remark: Temp 22 Humi:55%  
 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) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 38.875500       | 26.79            | 40.00          | 13.21       | 100.0       | V   | 68.0          | -20.5        |
| 50.030500       | 27.46            | 40.00          | 12.54       | 100.0       | V   | 150.0         | -18.3        |
| 105.514500      | 18.95            | 43.50          | 24.55       | 100.0       | V   | 356.0         | -18.8        |
| 326.383500      | 22.88            | 46.00          | 23.12       | 100.0       | V   | 68.0          | -15.6        |
| 766.084500      | 32.82            | 46.00          | 13.18       | 100.0       | V   | 156.0         | -6.9         |

## Final Result

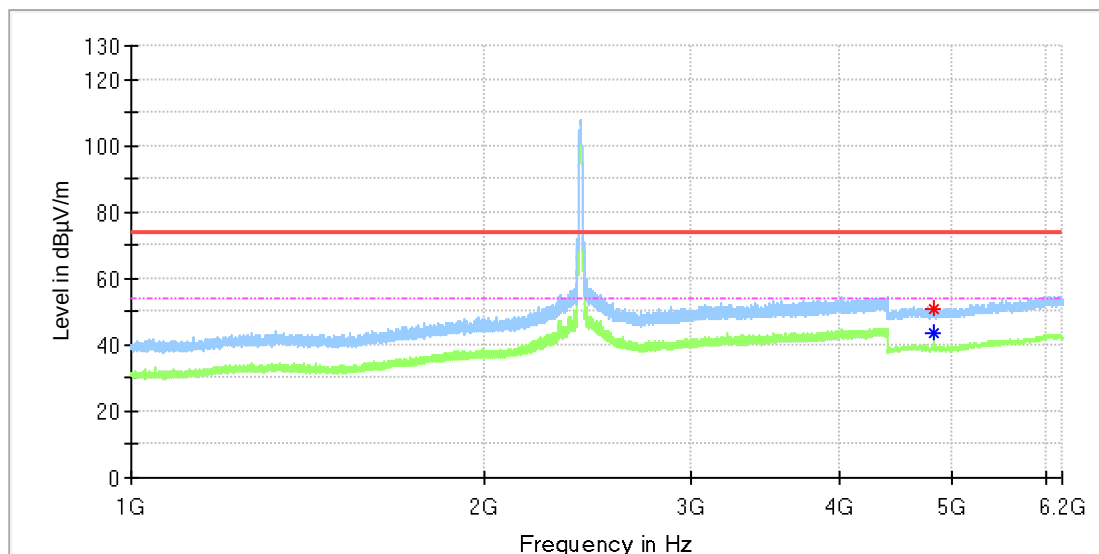
| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---                | ---          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

## 1GHz - 18GHz

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11b_Ch1        |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

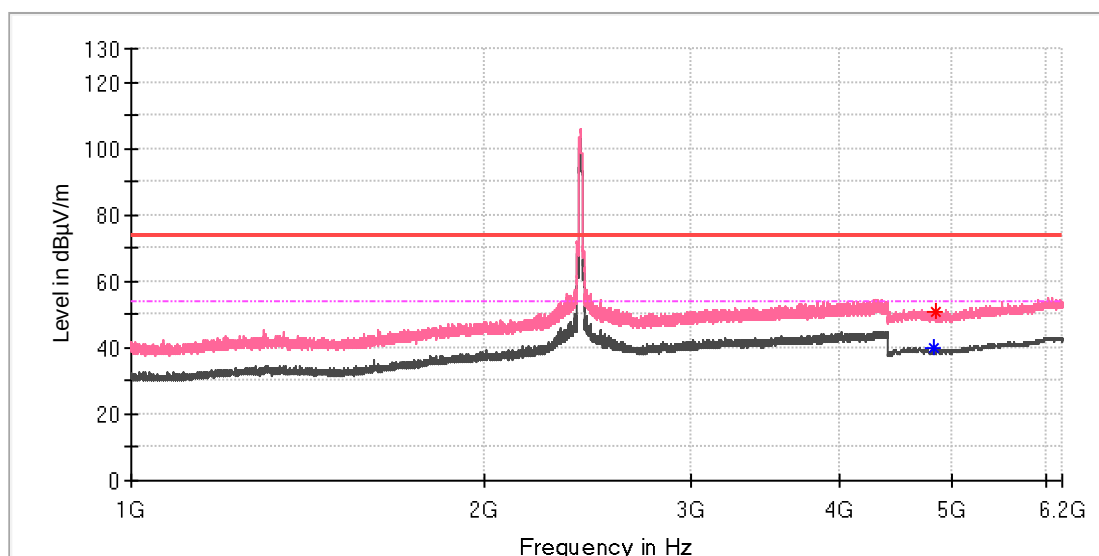
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4823.000000     | 50.95            | ---              | 74.00          | 23.05       | 100.0       | H   | 203.0         | 11.8         |
| 4824.000000     | ---              | 43.35            | 54.00          | 10.65       | 100.0       | H   | 195.0         | 11.8         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11b\_Ch1  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

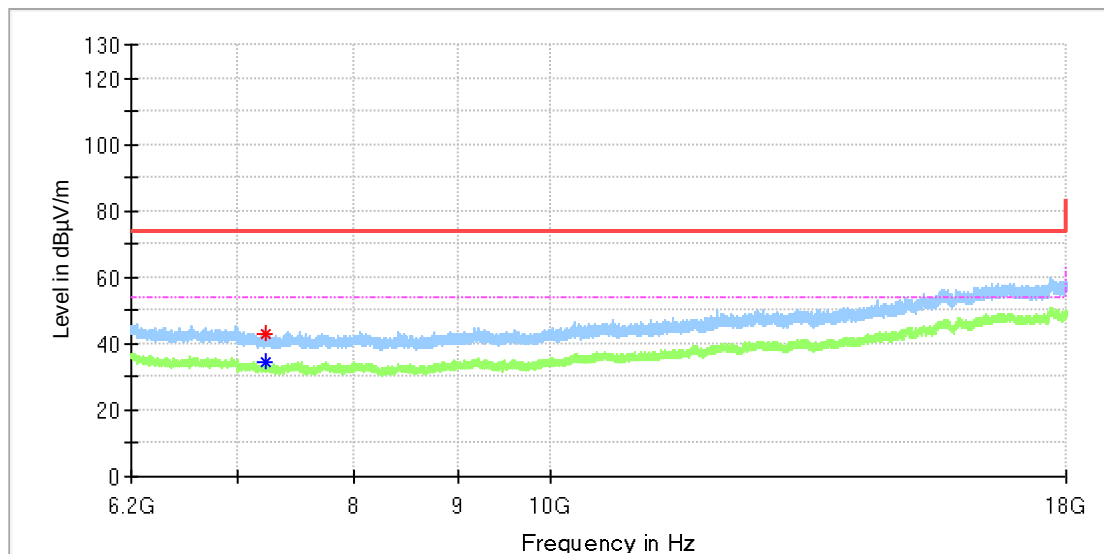
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4823.500000     | ---              | 40.21            | 54.00          | 13.79       | 100.0       | V   | 225.0         | 11.8         |
| 4842.500000     | 51.01            | ---              | 74.00          | 22.99       | 100.0       | V   | 145.0         | 11.8         |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11b_Ch1        |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

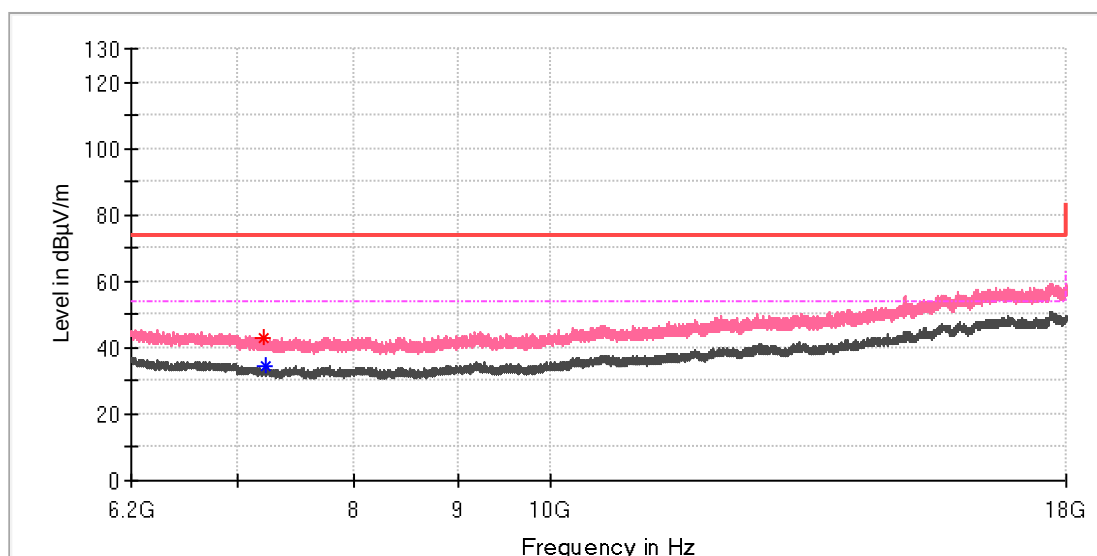
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7228.075000     | 42.87            | ---              | 74.00          | 31.13       | 100.0       | H   | 5.0           | 8.7          |
| 7234.466667     | ---              | 34.68            | 54.00          | 19.32       | 100.0       | H   | 29.0          | 8.6          |

## 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:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11b_Ch1        |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

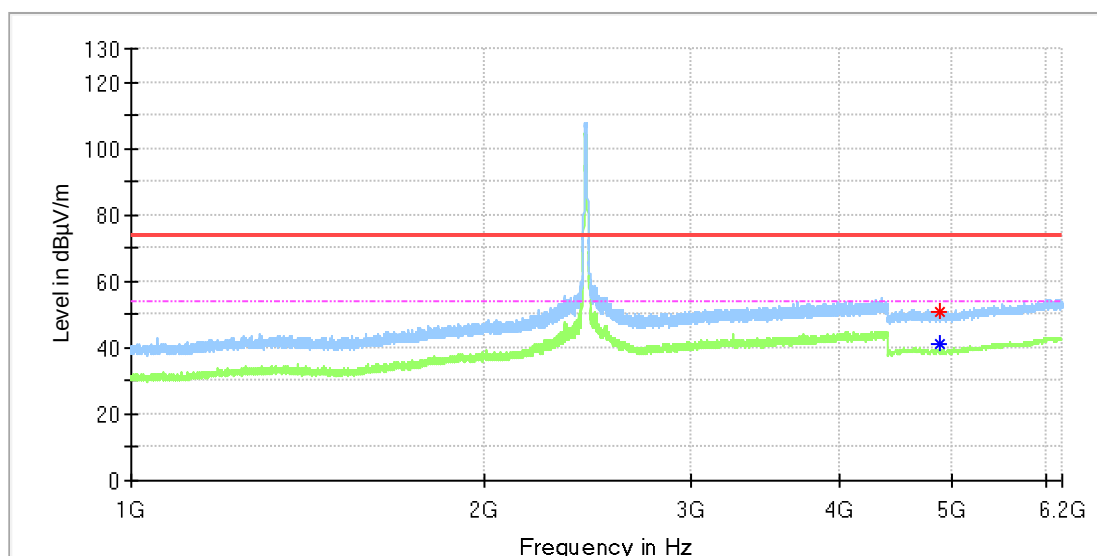
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7215.291667     | 42.66            | ---              | 74.00          | 31.34       | 100.0       | V   | 282.0         | 8.7          |
| 7231.025000     | ---              | 34.48            | 54.00          | 19.52       | 100.0       | V   | 143.0         | 8.6          |

## 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: Q380RR  
Test Mode: WiFi 2.4G\_11b\_Ch6  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

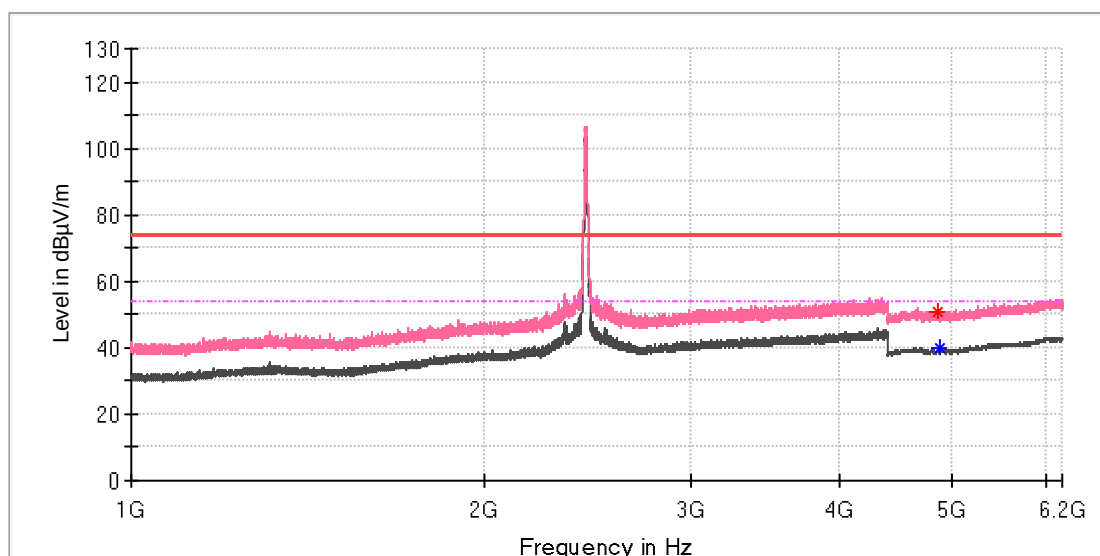
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4874.000000     | 50.87            | ---              | 74.00          | 23.13       | 100.0       | H   | 206.0         | 11.8         |
| 4874.000000     | ---              | 41.38            | 54.00          | 12.62       | 100.0       | H   | 206.0         | 11.8         |

## Final\_Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11b\_Ch6  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

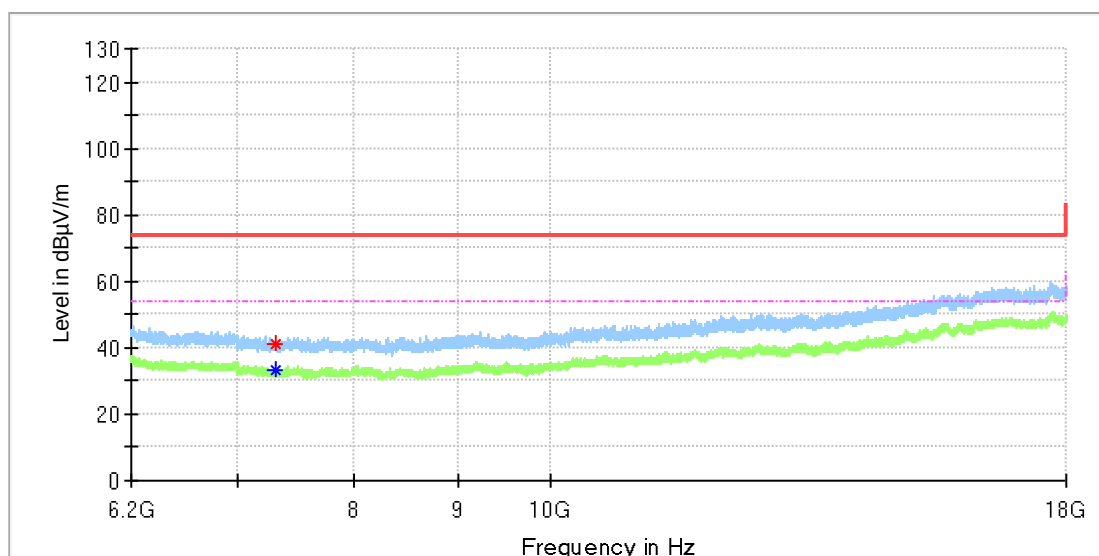
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4864.500000     | 50.97            | ---              | 74.00          | 23.03       | 100.0       | V   | 201.0         | 11.8         |
| 4874.000000     | ---              | 39.93            | 54.00          | 14.07       | 100.0       | V   | 116.0         | 11.8         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11b\_Ch6  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

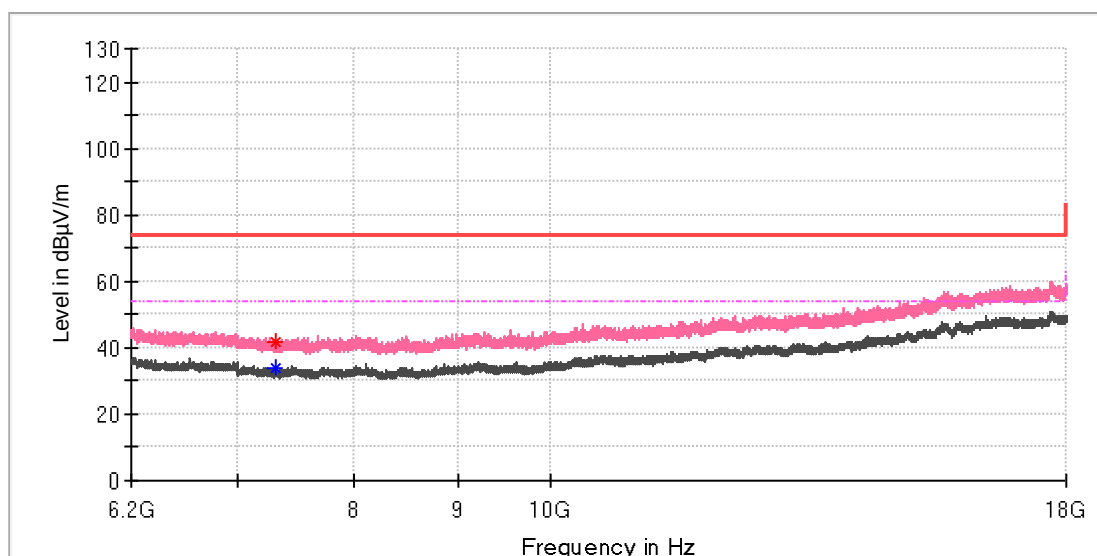
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7307.233333     | ---              | 33.40            | 54.00          | 20.60       | 100.0       | H   | 258.0         | 8.3          |
| 7310.675000     | 41.38            | ---              | 74.00          | 32.62       | 100.0       | H   | 346.0         | 8.2          |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11b\_Ch6  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

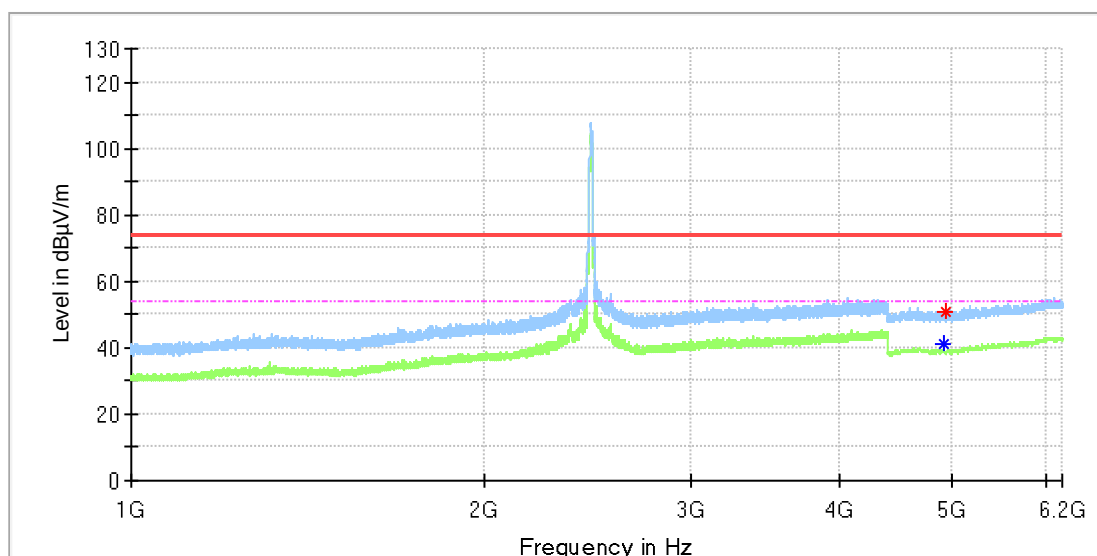
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7308.708333     | 41.92            | ---              | 74.00          | 32.08       | 100.0       | V   | 66.0          | 8.2          |
| 7309.200000     | ---              | 33.89            | 54.00          | 20.11       | 100.0       | V   | 138.0         | 8.2          |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11b\_Ch11  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

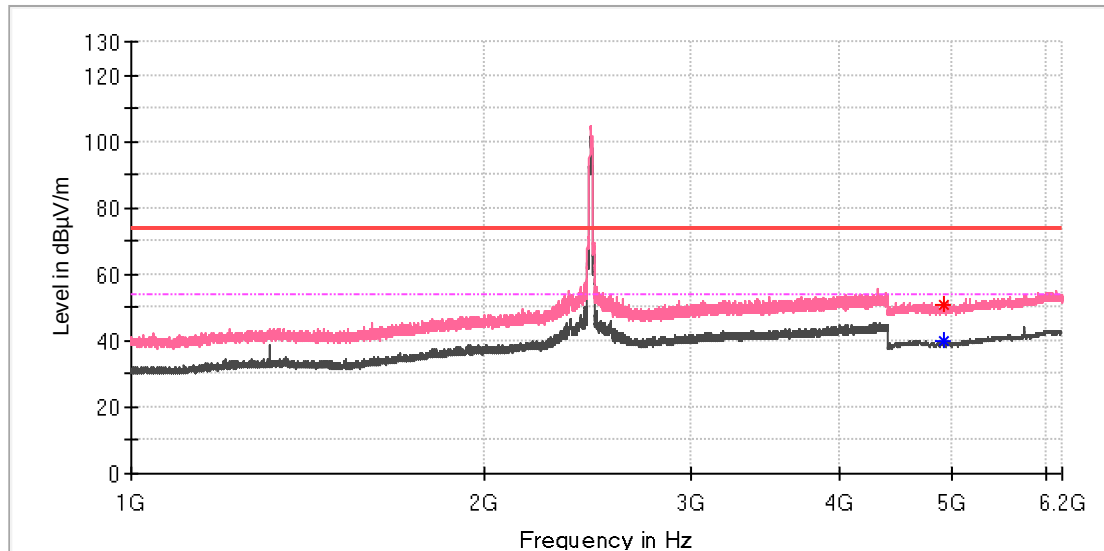
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4924.000000     | ---              | 40.97            | 54.00          | 13.03       | 100.0       | H   | 214.0         | 11.8         |
| 4928.000000     | 50.63            | ---              | 74.00          | 23.37       | 100.0       | H   | 271.0         | 11.8         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11b\_Ch11  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

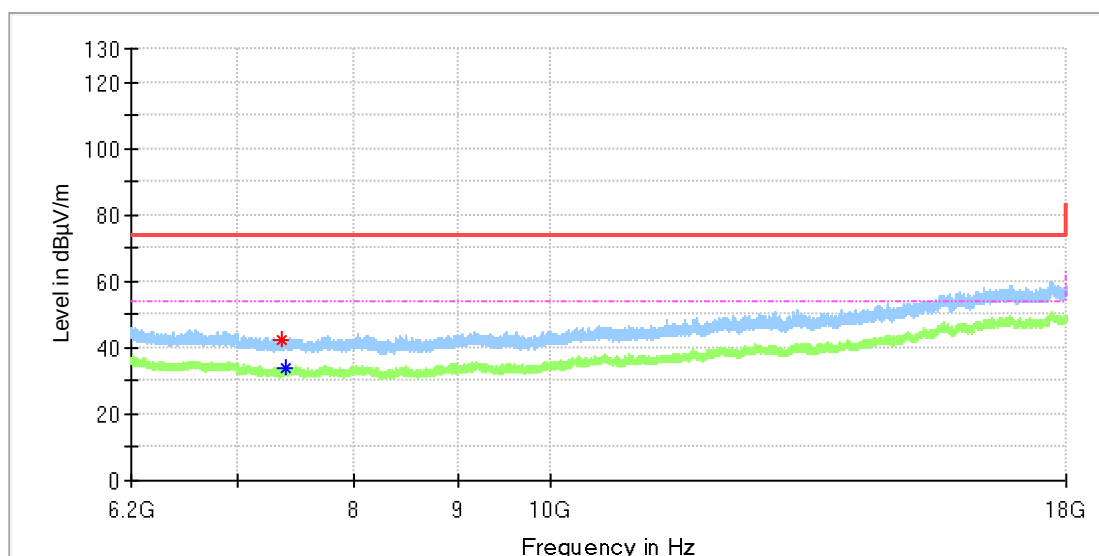
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4917.000000     | 50.59            | ---              | 74.00          | 23.41       | 100.0       | V   | 234.0         | 11.8         |
| 4923.500000     | ---              | 39.96            | 54.00          | 14.04       | 100.0       | V   | 354.0         | 11.8         |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11b_Ch11       |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

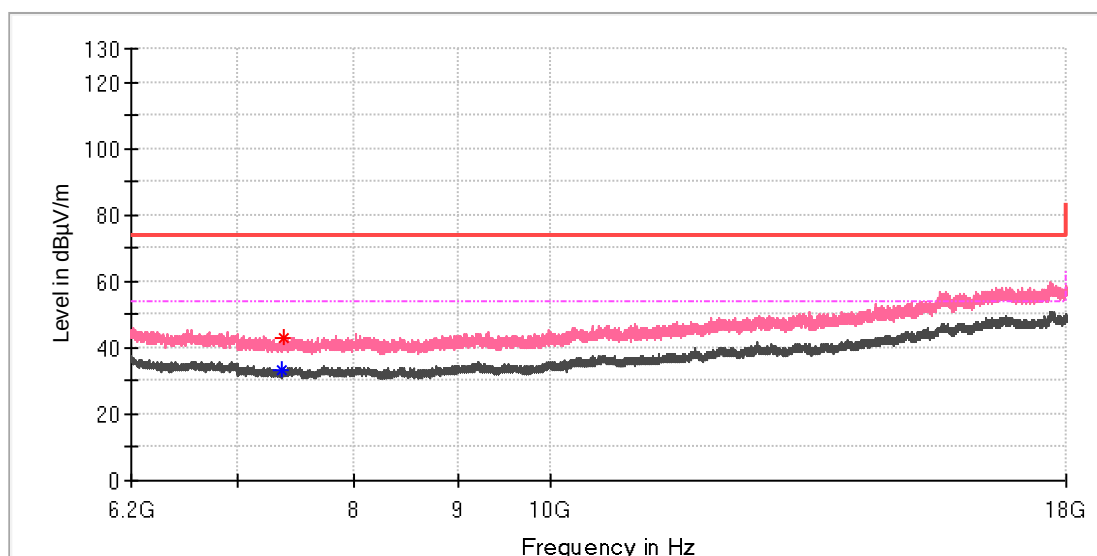
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7362.300000     | 42.58            | ---              | 74.00          | 31.42       | 100.0       | H   | 238.0         | 8.2          |
| 7391.800000     | ---              | 33.83            | 54.00          | 20.17       | 100.0       | H   | 215.0         | 8.3          |

## 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: Q380RR  
 Test Mode: WiFi 2.4G\_11b\_Ch11  
 Order No/Sample No: 168361509/A003218991-005  
 Test Voltage: Battery  
 Remark: Temp 22 Humi:55%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



## Critical\_Freqs

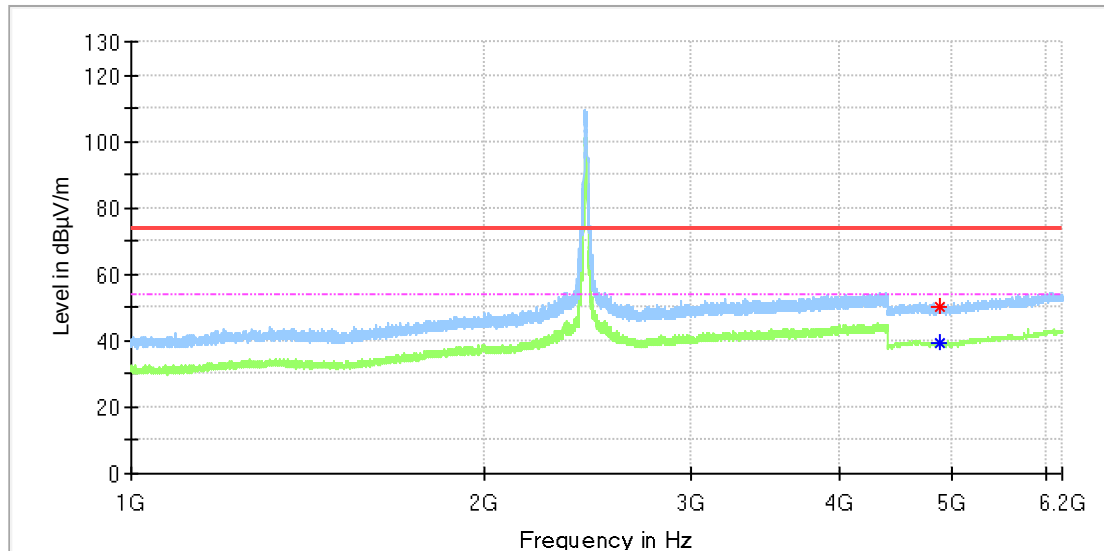
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7366.725000     | ---              | 33.40            | 54.00          | 20.60       | 100.0       | V   | 10.0          | 8.2          |
| 7378.033333     | 42.99            | ---              | 74.00          | 31.01       | 100.0       | V   | 0.0           | 8.2          |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11g\_Ch6  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

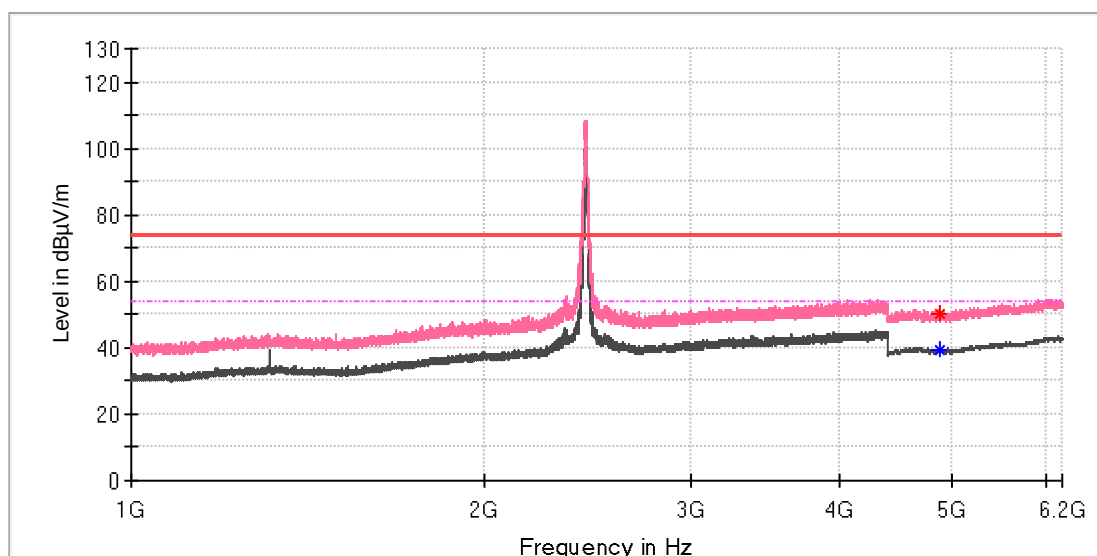
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4869.000000     | ---              | 39.29            | 54.00          | 14.71       | 100.0       | H   | 4.0           | 11.8         |
| 4873.500000     | 50.35            | ---              | 74.00          | 23.65       | 100.0       | H   | 237.0         | 11.8         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11g\_Ch6  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

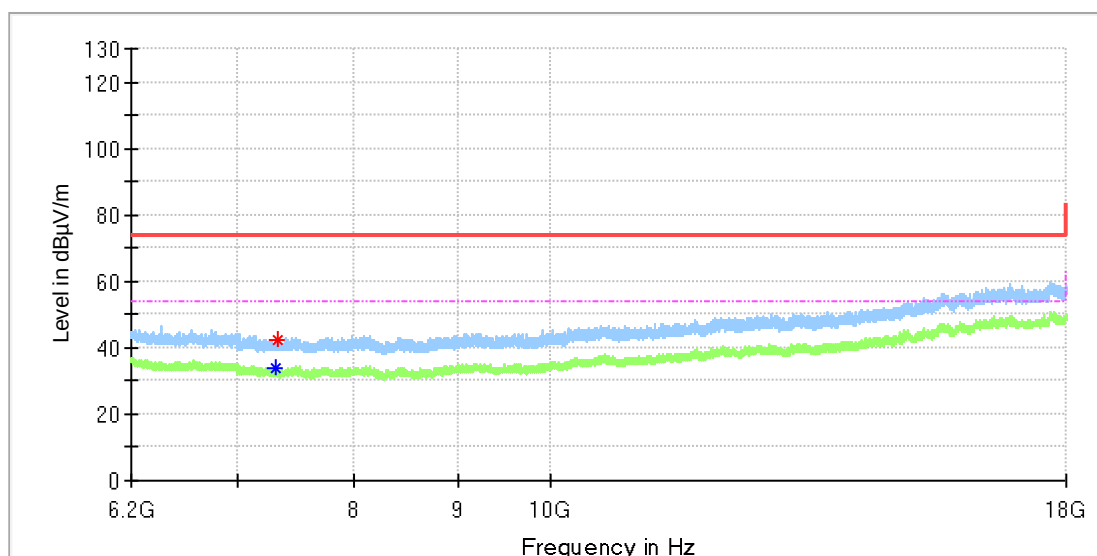
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4872.500000     | ---              | 39.14            | 54.00          | 14.86       | 100.0       | V   | 12.0          | 11.8         |
| 4874.500000     | 50.02            | ---              | 74.00          | 23.98       | 100.0       | V   | 341.0         | 11.8         |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11g_Ch6        |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

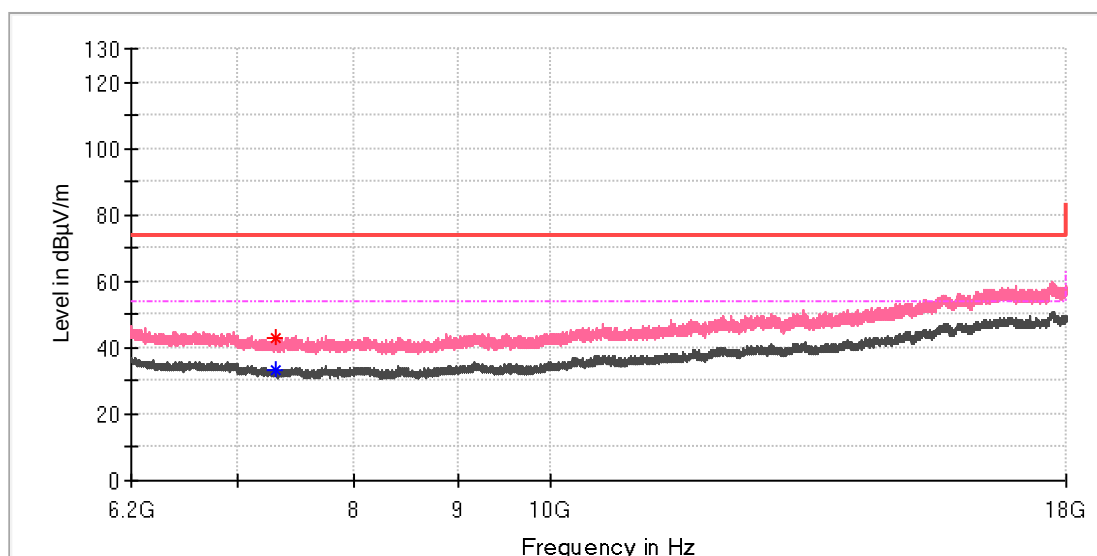
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7307.725000     | ---              | 33.95            | 54.00          | 20.05       | 100.0       | H   | 250.0         | 8.3          |
| 7319.033333     | 42.32            | ---              | 74.00          | 31.68       | 100.0       | H   | 0.0           | 8.2          |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11g\_Ch6  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

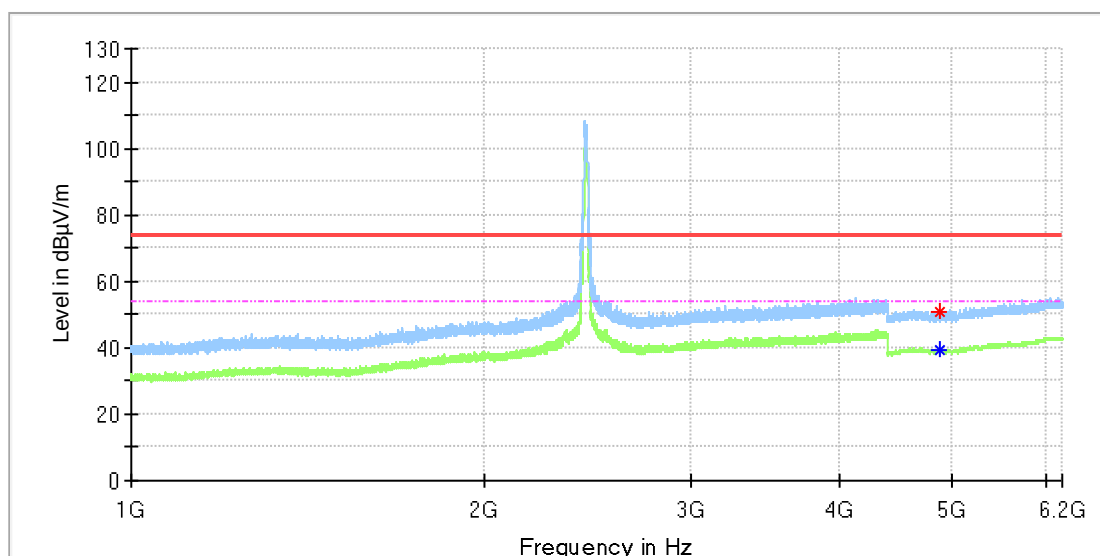
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7303.300000     | ---              | 33.37            | 54.00          | 20.63       | 100.0       | V   | 358.0         | 8.3          |
| 7310.675000     | 42.75            | ---              | 74.00          | 31.25       | 100.0       | V   | 162.0         | 8.2          |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11n20\_Ch6  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

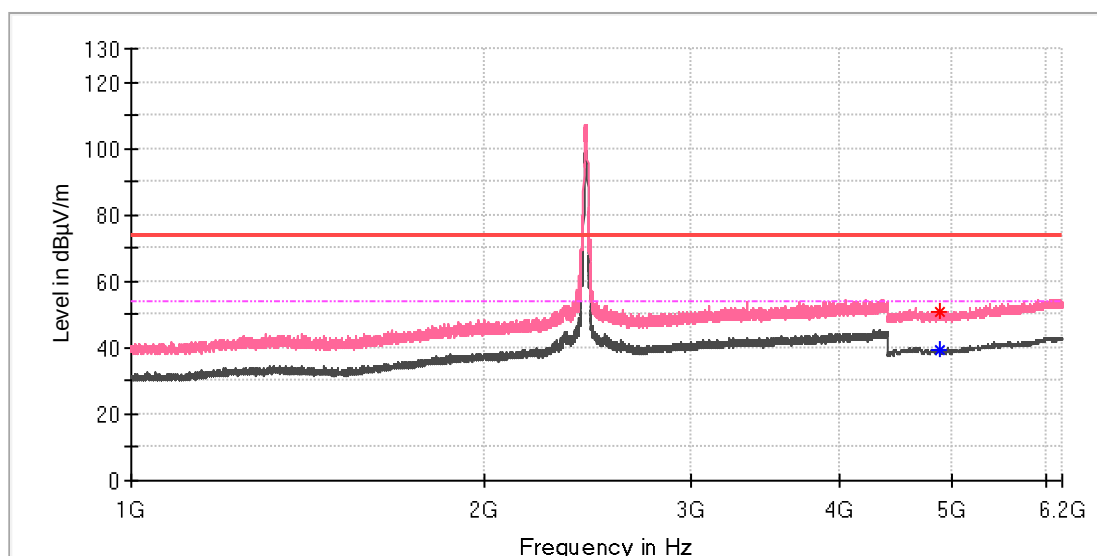
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4871.000000     | ---              | 39.31            | 54.00          | 14.69       | 100.0       | H   | 261.0         | 11.8         |
| 4871.500000     | 51.08            | ---              | 74.00          | 22.92       | 100.0       | H   | 311.0         | 11.8         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11n20\_Ch6  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

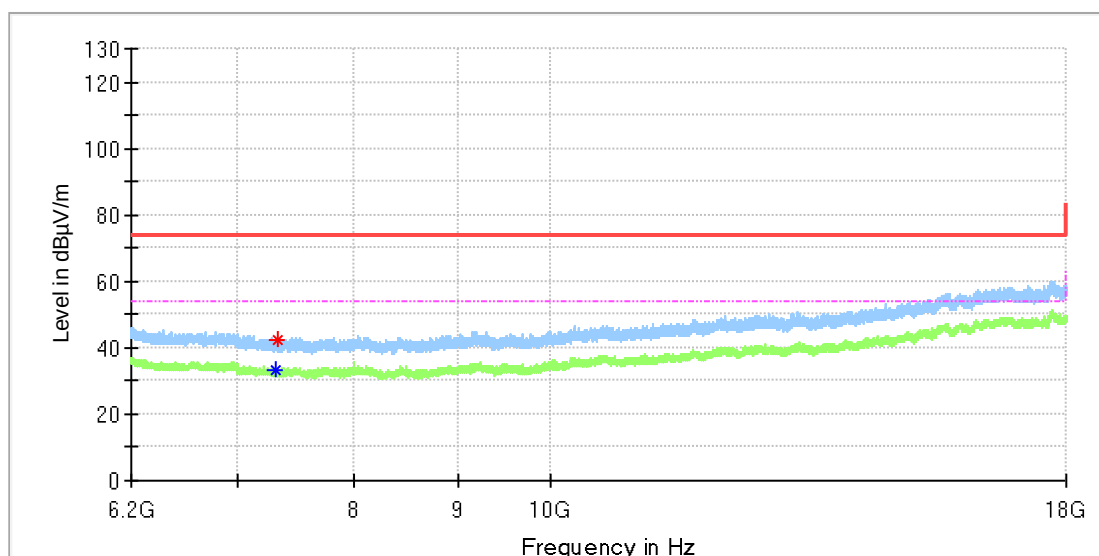
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4869.000000     | ---              | 39.27            | 54.00          | 14.73       | 100.0       | V   | 326.0         | 11.8         |
| 4870.000000     | 50.84            | ---              | 74.00          | 23.16       | 100.0       | V   | 348.0         | 11.8         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11n20\_Ch6  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

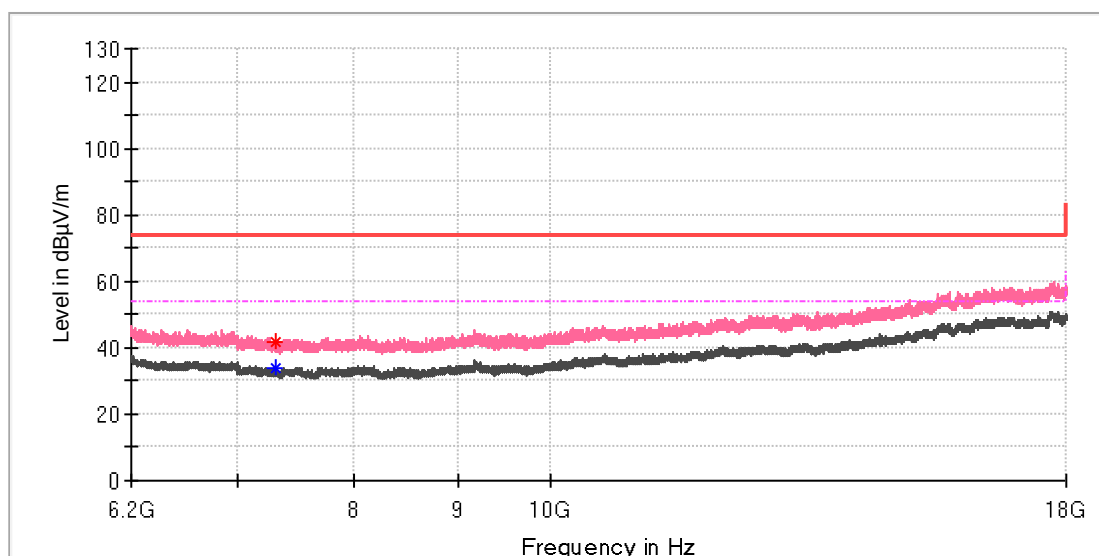
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7312.150000     | ---              | 33.08            | 54.00          | 20.92       | 100.0       | H   | 98.0          | 8.2          |
| 7333.291667     | 42.38            | ---              | 74.00          | 31.62       | 100.0       | H   | 324.0         | 8.1          |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11n20_Ch6      |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

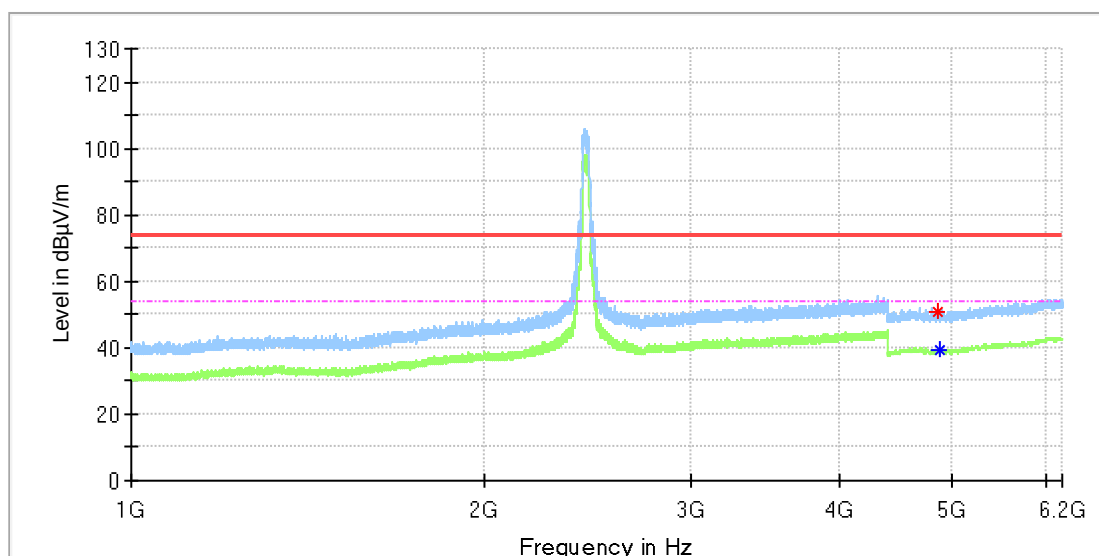
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7307.233333     | ---              | 33.99            | 54.00          | 20.01       | 100.0       | V   | 213.0         | 8.3          |
| 7313.625000     | 41.94            | ---              | 74.00          | 32.06       | 100.0       | V   | 342.0         | 8.2          |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11n40_Ch6      |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

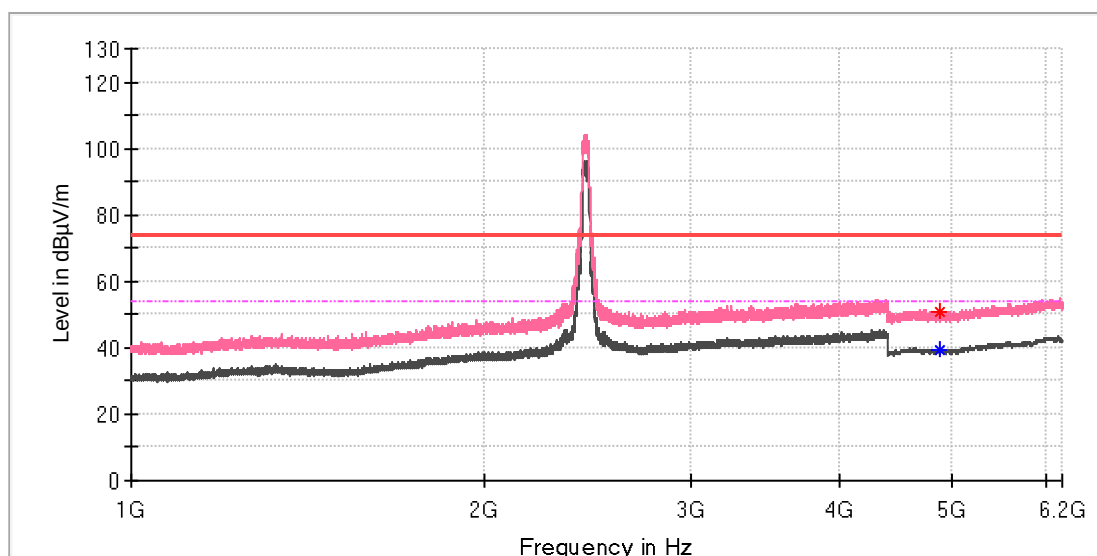
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4861.000000     | 50.79            | ---              | 74.00          | 23.21       | 100.0       | H   | 147.0         | 11.8         |
| 4872.000000     | ---              | 39.18            | 54.00          | 14.82       | 100.0       | H   | 116.0         | 11.8         |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11n40\_Ch6  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

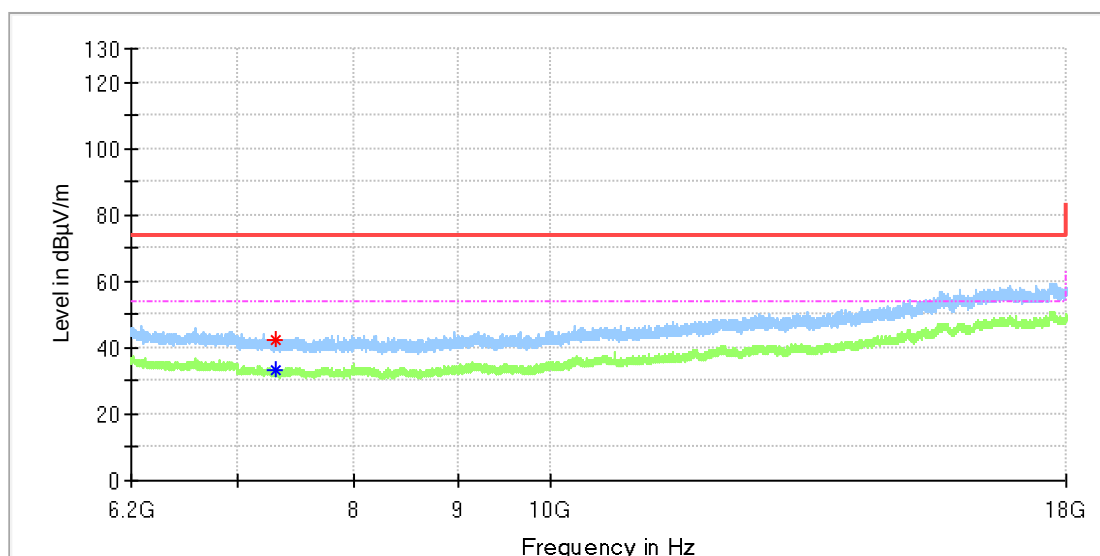
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4871.000000     | 51.00            | ---              | 74.00          | 23.00       | 100.0       | V   | 78.0          | 11.8         |
| 4878.500000     | ---              | 39.42            | 54.00          | 14.58       | 100.0       | V   | 41.0          | 11.8         |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11n40_Ch6      |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

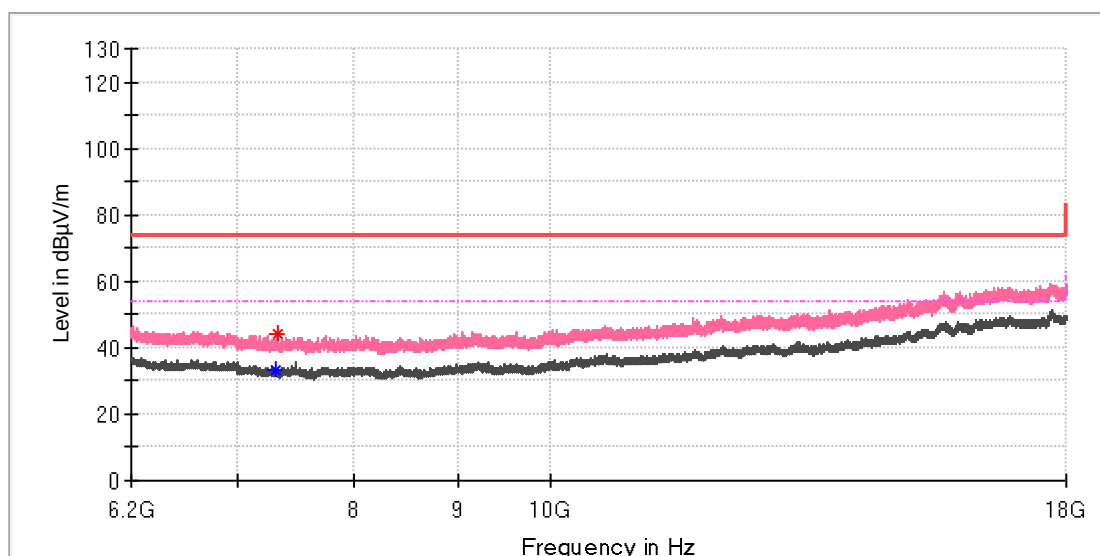
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7310.183333     | 42.34            | ---              | 74.00          | 31.66       | 100.0       | H   | 0.0           | 8.2          |
| 7313.133333     | ---              | 33.38            | 54.00          | 20.62       | 100.0       | H   | 314.0         | 8.2          |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11n40\_Ch6  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 7313.133333     | ---              | 33.52            | 54.00          | 20.48       | 100.0       | V   | 359.0         | 8.2          |
| 7318.541667     | 43.86            | ---              | 74.00          | 30.14       | 100.0       | V   | 0.0           | 8.2          |

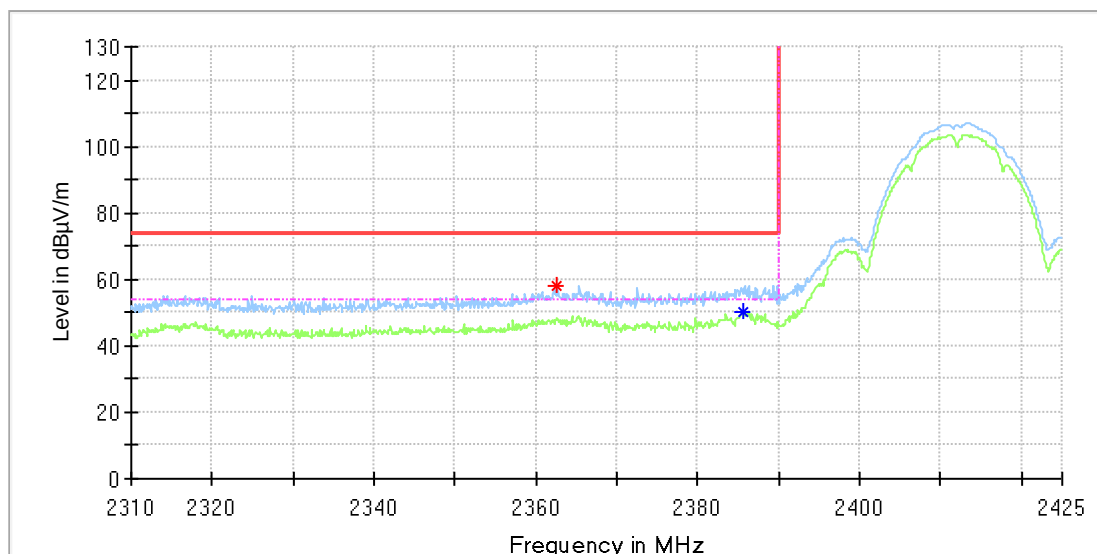
## Final Result

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

## Appendix B.6: Test Results of Radiated Emissions in Restricted Bands Wi-Fi 802.11 b mode, 1 Mbps

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11b_Ch1        |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



### Critical\_Freqs

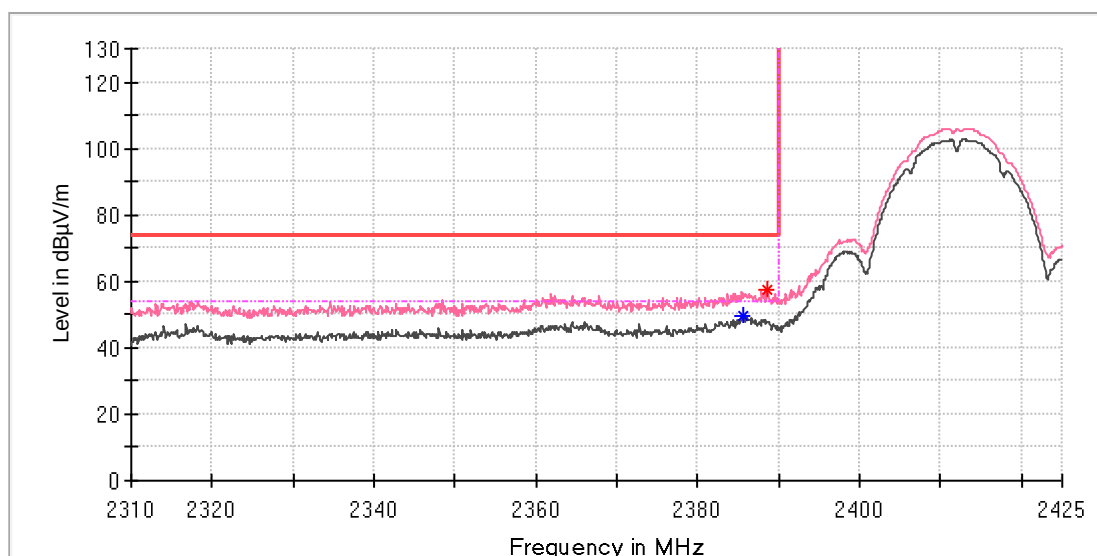
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2362.600000     | 58.23            | ---              | 74.00          | 15.77       | 100.0       | H   | 191.0         | 6.9          |
| 2385.600000     | ---              | 50.37            | 54.00          | 3.63        | 100.0       | H   | 191.0         | 7.0          |

### Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11b\_Ch1  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

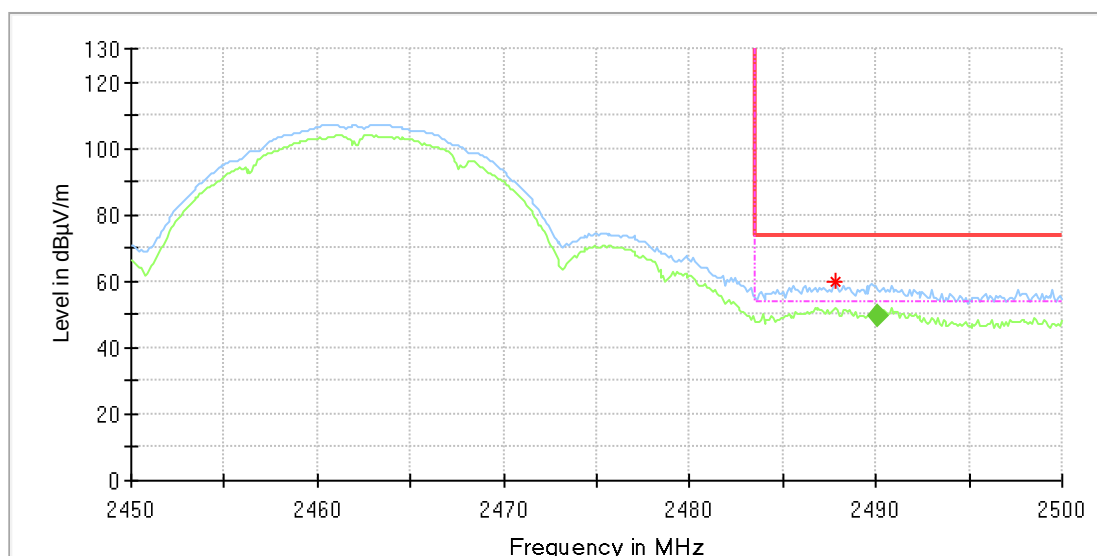
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2385.700000     | ---              | 49.76            | 54.00          | 4.24        | 100.0       | V   | 291.0         | 7.0          |
| 2388.600000     | 57.29            | ---              | 74.00          | 16.71       | 100.0       | V   | 231.0         | 7.0          |

## Final Result

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

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11b\_Ch11  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

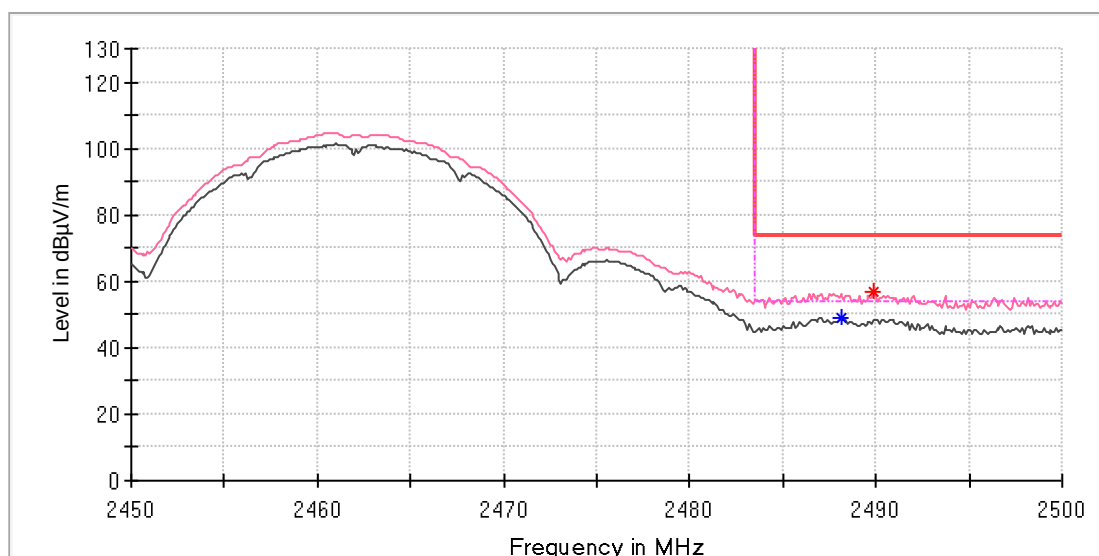
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2487.800000     | 59.82            | ---              | 74.00          | 14.18       | 100.0       | H   | 149.0         | 7.4          |

## Final\_Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2490.060350     | 49.79            | 54.00          | 4.21        | 100.0       | H   | 147.0         | 7.4          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11b_Ch11       |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

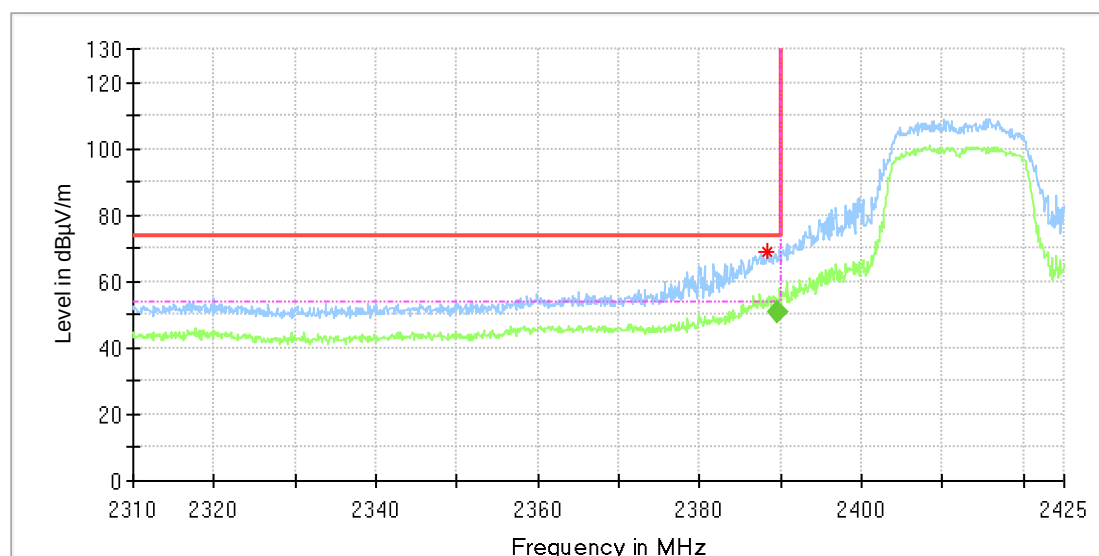
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2488.100000     | ---              | 49.13            | 54.00          | 4.87        | 100.0       | V   | 278.0         | 7.4          |
| 2489.900000     | 57.00            | ---              | 74.00          | 17.00       | 100.0       | V   | 300.0         | 7.4          |

## 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, 6 Mbps****EUT Information**

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11g_Ch1        |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |

**Critical Freqs**

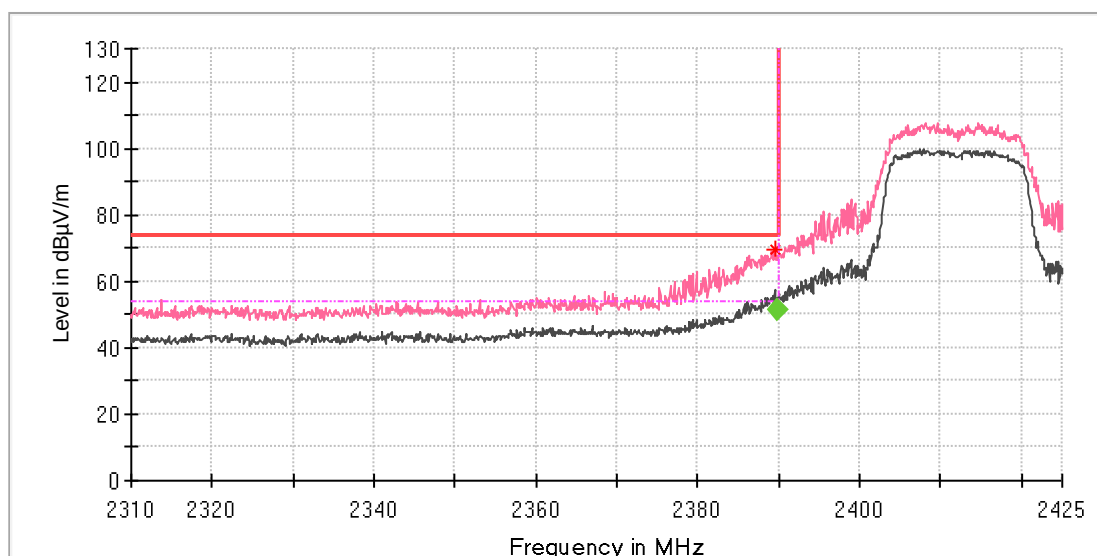
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2388.400000     | 68.65            | ---              | 74.00          | 5.35        | 100.0       | H   | 184.0         | 7.0          |

**Final Result**

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.553350     | 50.63            | 54.00          | 3.37        | 100.0       | H   | 189.0         | 7.0          |

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11g\_Ch1  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

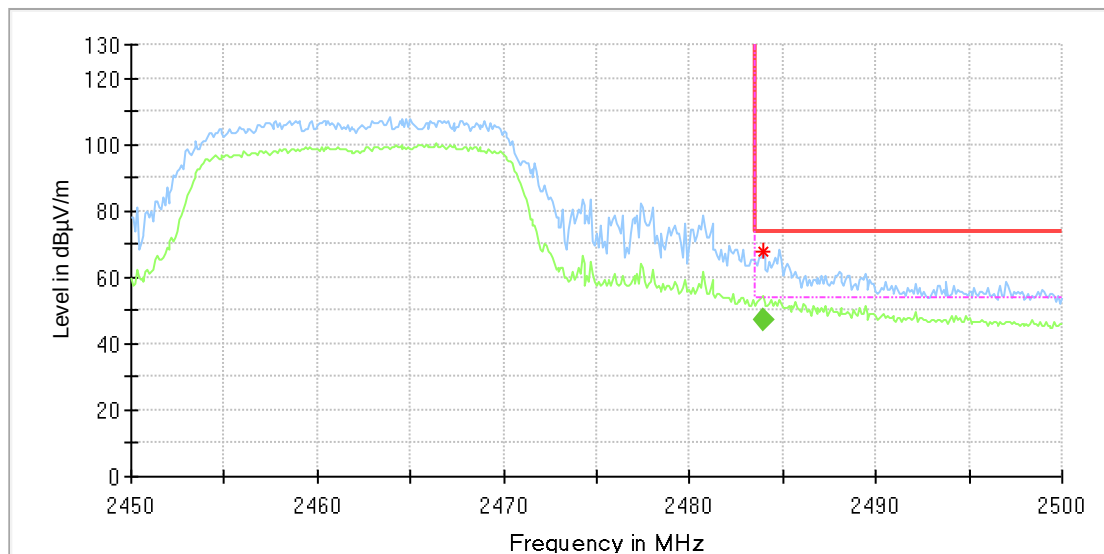
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.500000     | 69.35            | ---              | 74.00          | 4.65        | 100.0       | V   | 217.0         | 7.0          |

## Final\_Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.893450     | 50.92            | 54.00          | 3.08        | 105.0       | V   | 212.0         | 7.0          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11g_Ch11       |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

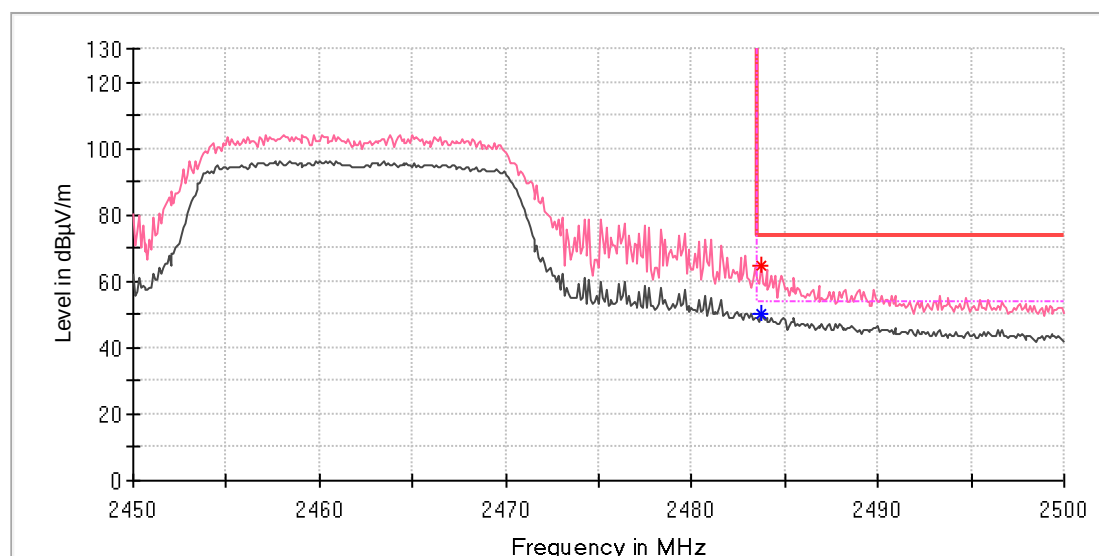
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.900000     | 67.83            | ---              | 74.00          | 6.17        | 100.0       | H   | 146.0         | 7.4          |

## Final\_Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.991150     | 47.38            | 54.00          | 6.62        | 100.0       | H   | 135.0         | 7.4          |

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
 Model: Q380RR  
 Test Mode: WiFi 2.4G\_11g\_Ch11  
 Order No/Sample No: 168361509/A003218991-005  
 Test Voltage: Battery  
 Remark: Temp 22 Humi:55%  
 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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.700000     | 64.57            | ---              | 74.00          | 9.43        | 100.0       | V   | 261.0         | 7.4          |
| 2483.700000     | ---              | 50.03            | 54.00          | 3.97        | 100.0       | V   | 261.0         | 7.4          |

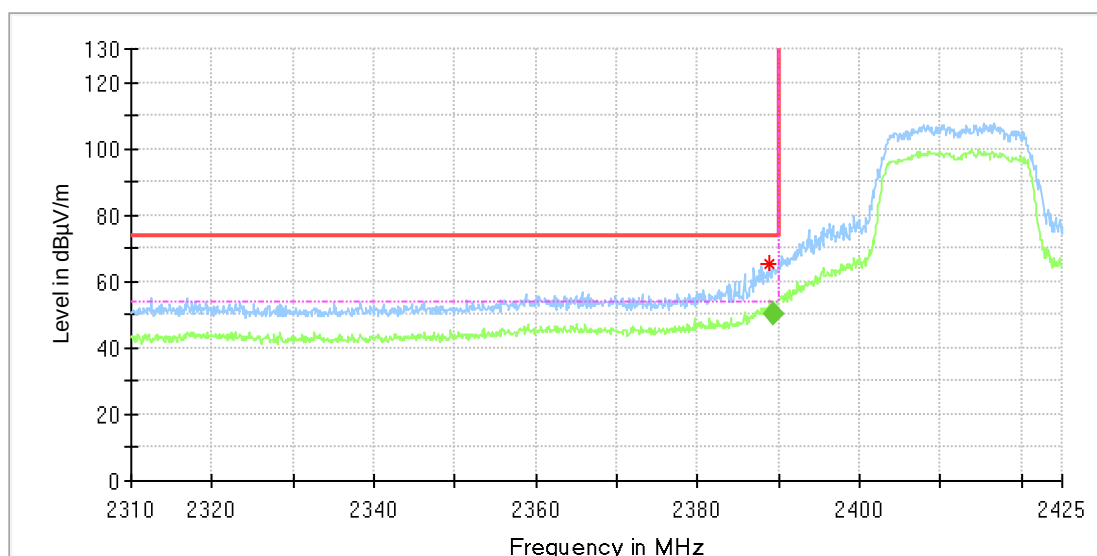
## Final Result

| 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, MCS0

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11n20_Ch1      |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

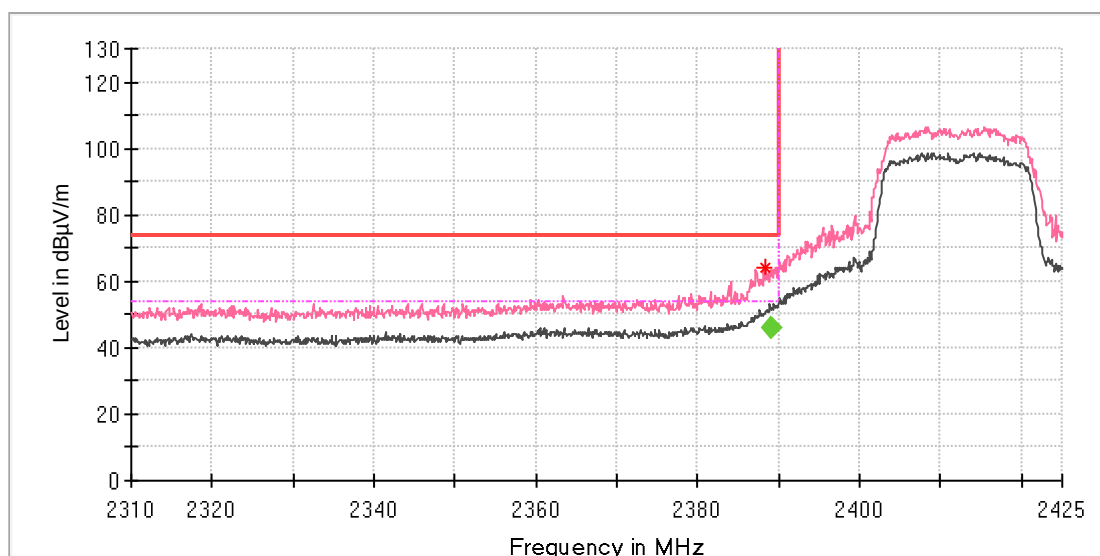
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2388.800000     | 65.41            | ---              | 74.00          | 8.59        | 100.0       | H   | 195.0         | 7.0          |

## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.388850     | 50.42            | 54.00          | 3.58        | 100.0       | H   | 190.0         | 7.0          |

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11n20\_Ch1  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

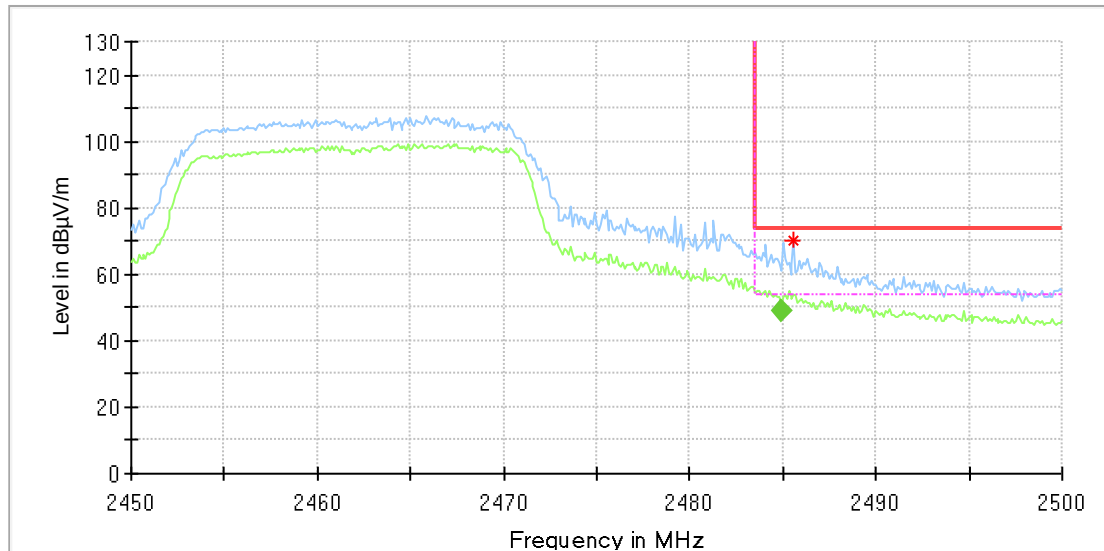
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2388.400000     | 64.23            | ---              | 74.00          | 9.77        | 100.0       | V   | 228.0         | 7.0          |

## Final\_Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.068500     | 46.20            | 54.00          | 7.80        | 100.0       | V   | 60.0          | 7.0          |

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11n20\_Ch11  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

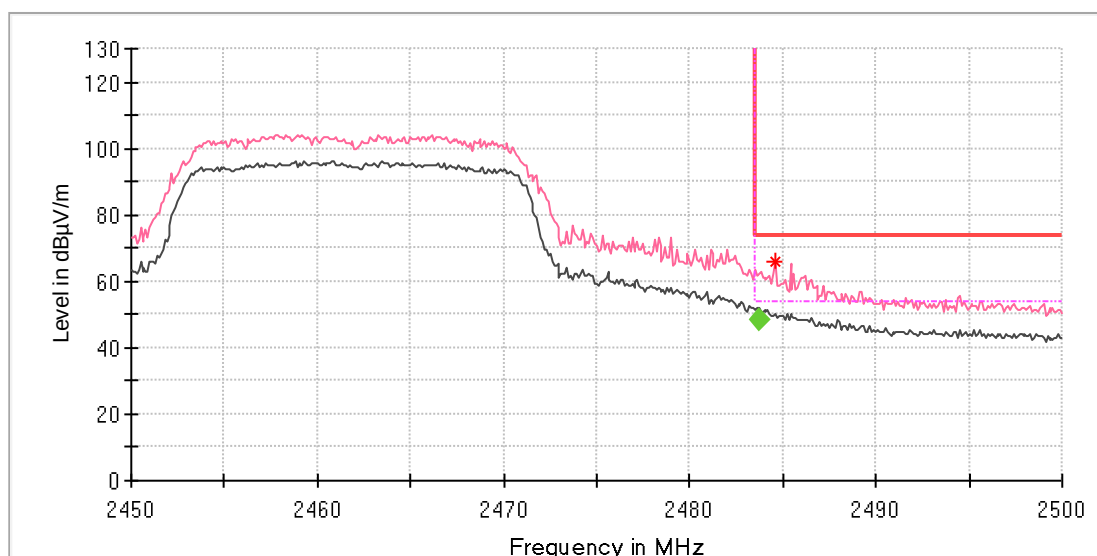
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2485.600000     | 70.26            | ---              | 74.00          | 3.74        | 100.0       | H   | 148.0         | 7.4          |

## Final\_Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.915350     | 49.28            | 54.00          | 4.72        | 100.0       | H   | 137.0         | 7.4          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11n20_Ch11     |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

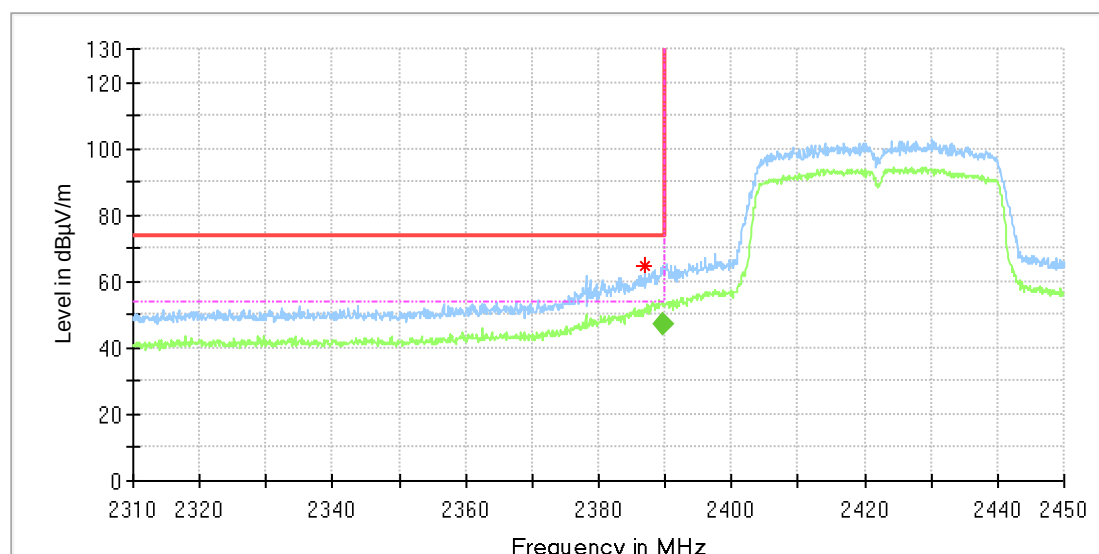
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.600000     | 66.11            | ---              | 74.00          | 7.89        | 100.0       | V   | 303.0         | 7.4          |

## Final\_Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.734950     | 48.29            | 54.00          | 5.71        | 100.0       | V   | 267.0         | 7.4          |

**Wi-Fi 802.11 n(HT40) mode, MCS0****EUT Information**

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11n40_Ch3      |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |

**Critical Freqs**

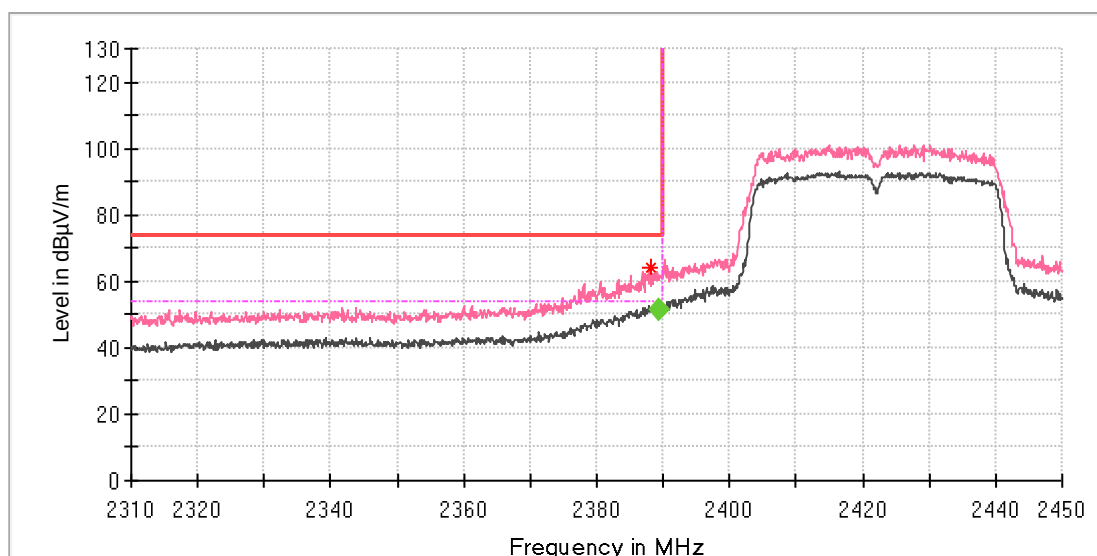
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2386.900000     | 64.67            | ---              | 74.00          | 9.33        | 100.0       | H   | 204.0         | 7.0          |

**Final Result**

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.554650     | 47.36            | 54.00          | 6.64        | 100.0       | H   | 181.0         | 7.0          |

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | Robotic Vacuum Cleaner   |
| Model:              | Q380RR                   |
| Test Mode:          | WiFi 2.4G_11n40_Ch3      |
| Order No/Sample No: | 168361509/A003218991-005 |
| Test Voltage:       | Battery                  |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

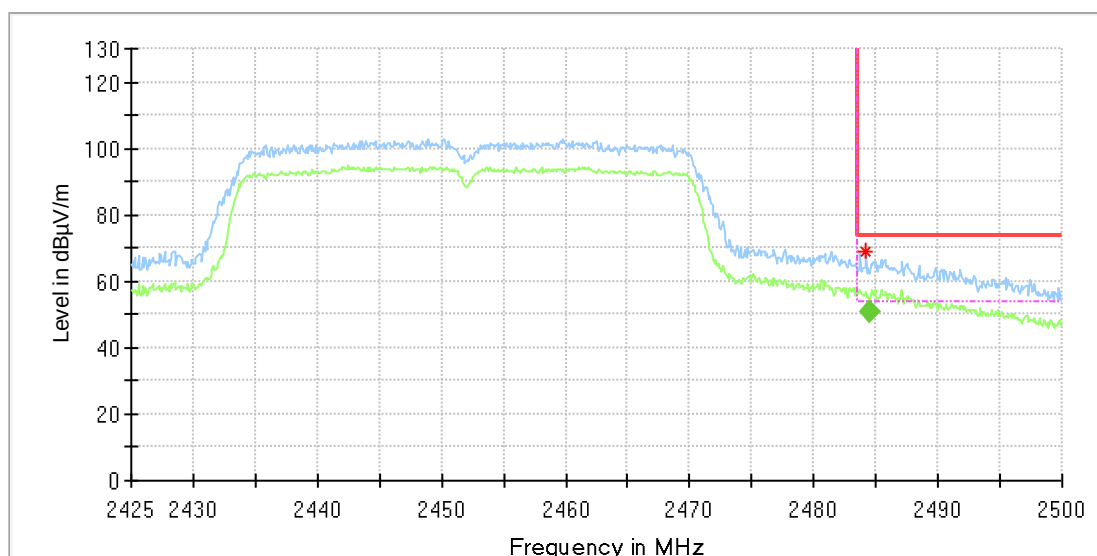
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2388.000000     | 64.27            | ---              | 74.00          | 9.73        | 100.0       | V   | 205.0         | 7.0          |

## Final\_Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.382850     | 50.97            | 54.00          | 3.03        | 105.0       | V   | 209.0         | 7.0          |

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11n40\_Ch9  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

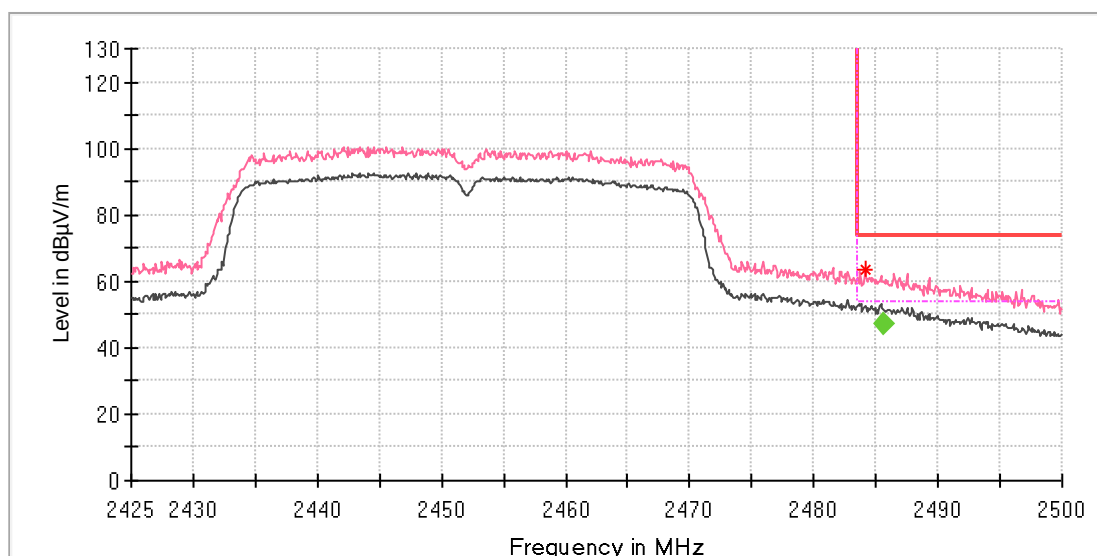
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.200000     | 68.64            | ---              | 74.00          | 5.36        | 100.0       | H   | 145.0         | 7.4          |

## Final\_Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.532750     | 50.86            | 54.00          | 3.14        | 100.0       | H   | 134.0         | 7.4          |

## EUT Information

EUT Name: Robotic Vacuum Cleaner  
Model: Q380RR  
Test Mode: WiFi 2.4G\_11n40\_Ch9  
Order No/Sample No: 168361509/A003218991-005  
Test Voltage: Battery  
Remark: Temp 22 Humi:55%  
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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.100000     | 63.79            | ---              | 74.00          | 10.21       | 100.0       | V   | 301.0         | 7.4          |

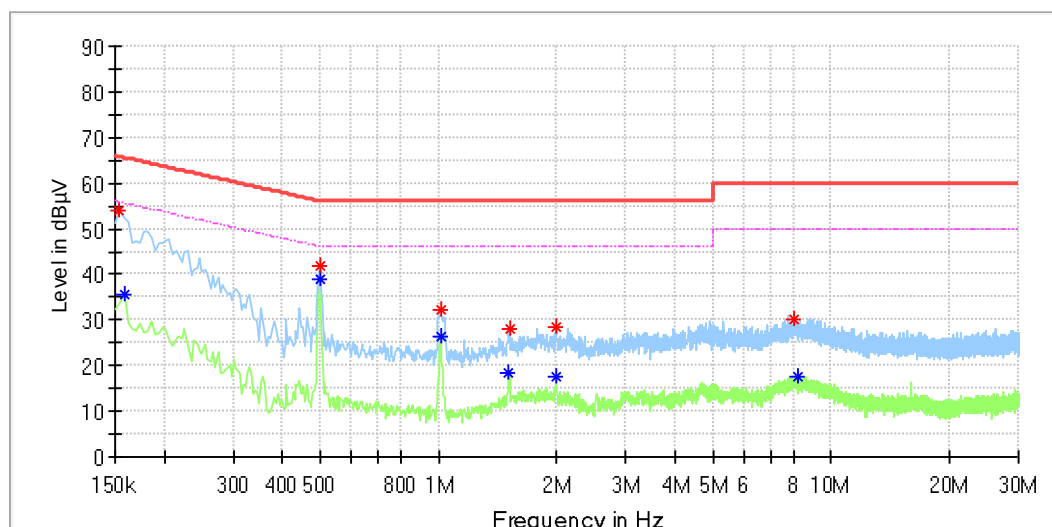
## Final\_Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2485.573450     | 47.12            | 54.00          | 6.88        | 100.0       | V   | 260.0         | 7.4          |

## Appendix B.7: Test Results of Conducted Emission

## EUT Information

|               |                        |
|---------------|------------------------|
| EUT Name:     | Robotic Vacuum Cleaner |
| Order No:     | 168361509              |
| Model:        | Q380RR                 |
| Test mode:    | Charging+ Wifi Link    |
| Test Voltage: | AC 120V/60Hz           |
| Test By:      | William Wang           |
| Review By:    | Terry Yin              |
| Test T/H:     | 23.5/56%               |
| Pressure:     | 101kPa                 |



## Critical Freqs

| Frequency<br>(MHz) | MaxPeak<br>(dBμV) | Average<br>(dBμV) | Limit<br>(dBμV) | Margin<br>(dB) | Line | Corr.<br>(dB) |
|--------------------|-------------------|-------------------|-----------------|----------------|------|---------------|
| 0.154000           | 53.99             | ---               | 65.78           | 11.79          | L1   | 9.9           |
| 0.158000           | ---               | 35.39             | 55.57           | 20.18          | L1   | 9.9           |
| 0.498000           | 41.70             | ---               | 56.03           | 14.34          | L1   | 10.0          |
| 0.498000           | ---               | 38.93             | 46.03           | 7.10           | L1   | 10.0          |
| 1.010000           | ---               | 26.38             | 46.00           | 19.62          | L1   | 10.0          |
| 1.014000           | 32.42             | ---               | 56.00           | 23.58          | L1   | 10.0          |
| 1.506000           | ---               | 18.59             | 46.00           | 27.41          | L1   | 10.1          |
| 1.514000           | 28.00             | ---               | 56.00           | 28.00          | L1   | 10.1          |
| 1.994000           | ---               | 17.72             | 46.00           | 28.28          | L1   | 10.1          |
| 1.994000           | 28.34             | ---               | 56.00           | 27.66          | L1   | 10.1          |
| 8.062000           | 30.00             | ---               | 60.00           | 30.00          | L1   | 10.3          |
| 8.226000           | ---               | 17.72             | 50.00           | 32.28          | L1   | 10.3          |

## Final Result

| Frequency<br>(MHz) | QuasiPeak<br>(dBμV) | Average<br>(dBμV) | Limit<br>(dBμV) | Margin<br>(dB) | Meas. Time<br>(ms) | Bandwidth<br>(kHz) | Line | Corr.<br>(dB) |
|--------------------|---------------------|-------------------|-----------------|----------------|--------------------|--------------------|------|---------------|
| 90.0000            | 89.0000             | 88.0000           | 87.0000         | 86.0000        | 85.0000            | 84.0000            |      |               |

