

## Appendix A: Test Results of Wi-Fi 802.11 b/g/n

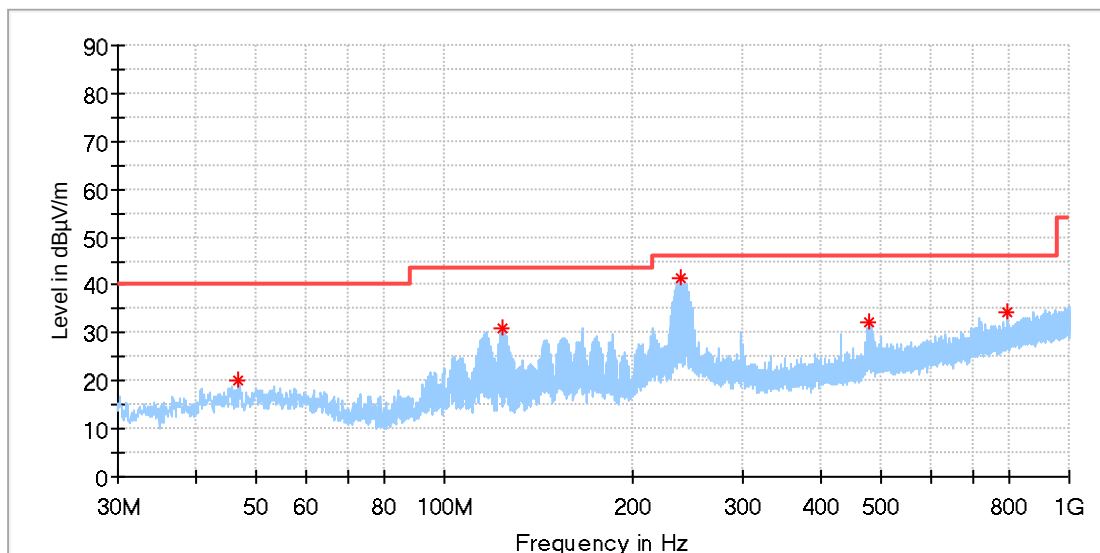
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Note: 1. Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported. 2. This testing was carried out on different modulations, but only the worst case was presented in this report.

## Appendix A5: Test Results of Radiated Spurious Emissions 30MHz - 1GHz (Worst case)

### EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT module           |
| Model:              | DCT2VM2511               |
| TestMode:           | WIFI 2.4G_11b_Ch1        |
| Order No/Sample No: | 168365112/A003224451-001 |
| Test Voltage::      | DC 5V From USB           |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |

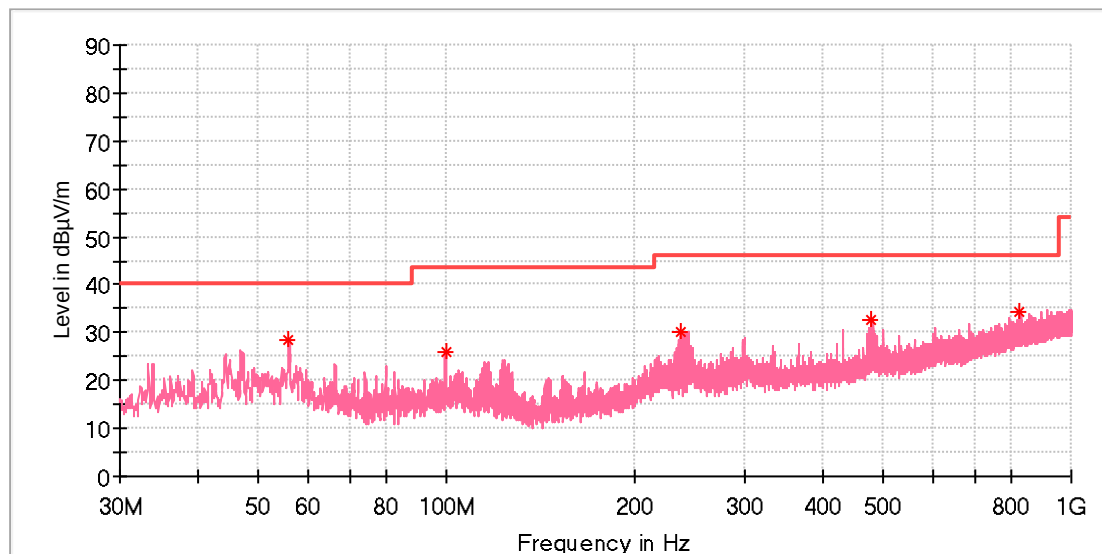


### Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 46.878000       | 20.07            | 40.00          | 19.93       | 100.0       | H   | 212.0         | -18.5        |
| 124.090000      | 30.91            | 43.50          | 12.59       | 100.0       | H   | 163.0         | -21.2        |
| 239.277500      | 41.30            | 46.00          | 4.70        | 100.0       | H   | 11.0          | -17.7        |
| 478.916000      | 32.04            | 46.00          | 13.96       | 100.0       | H   | 142.0         | -12.2        |
| 798.288500      | 34.12            | 46.00          | 11.88       | 100.0       | H   | 244.0         | -6.4         |

## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11b\_Ch1  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

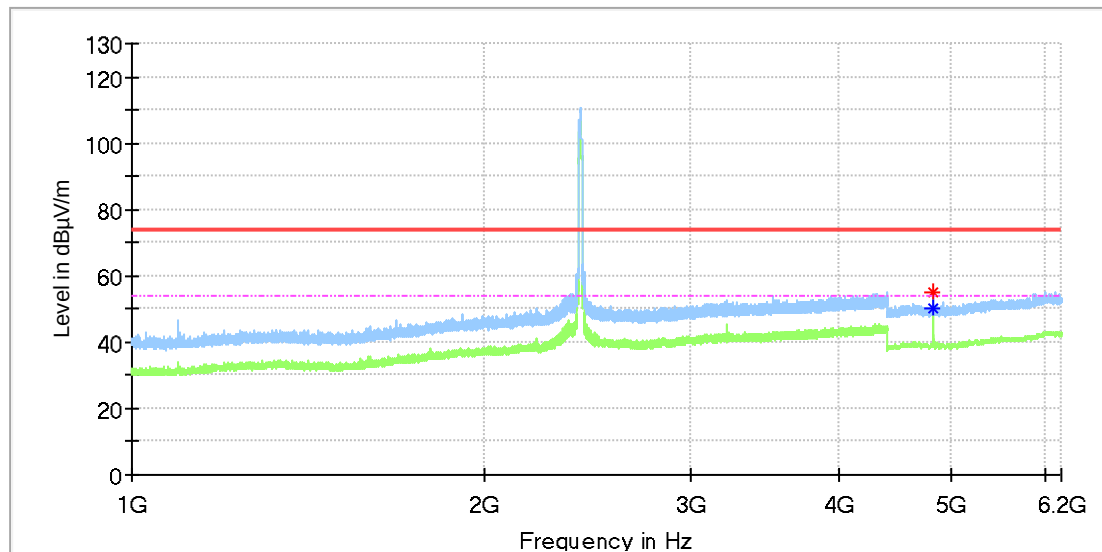
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 55.947500       | 28.35            | 40.00          | 11.65       | 100.0       | V   | 67.0          | -18.5        |
| 99.597500       | 25.93            | 43.50          | 17.57       | 100.0       | V   | 237.0         | -19.1        |
| 236.707000      | 30.30            | 46.00          | 15.70       | 100.0       | V   | 98.0          | -17.8        |
| 479.643500      | 32.77            | 46.00          | 13.23       | 100.0       | V   | 83.0          | -12.2        |
| 825.060500      | 34.40            | 46.00          | 11.60       | 100.0       | V   | 113.0         | -5.9         |

## 1GHz - 18GHz

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT module           |
| Model:              | DCT2VM2511               |
| Test Mode:          | WIFI 2.4G_11b_Ch1        |
| Order No/Sample No: | 168365112/A003224451-001 |
| Test Voltage::      | DC 5V From USB           |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

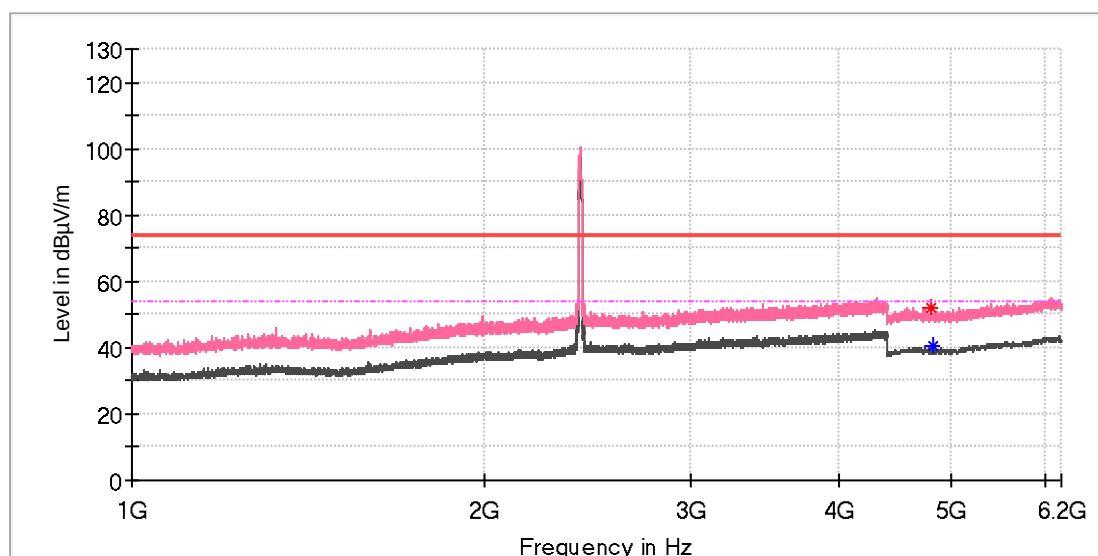
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4823.500000     | 55.10            | ---              | 74.00          | 18.90       | 100.0       | H   | 136.0         | 11.8         |
| 4824.000000     | ---              | 50.12            | 54.00          | 3.88        | 100.0       | H   | 136.0         | 11.8         |

## Final\_Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT module           |
| Model:              | DCT2VM2511               |
| Test Mode:          | WIFI 2.4G_11b_Ch1        |
| Order No/Sample No: | 168365112/A003224451-001 |
| Test Voltage::      | DC 5V From USB           |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

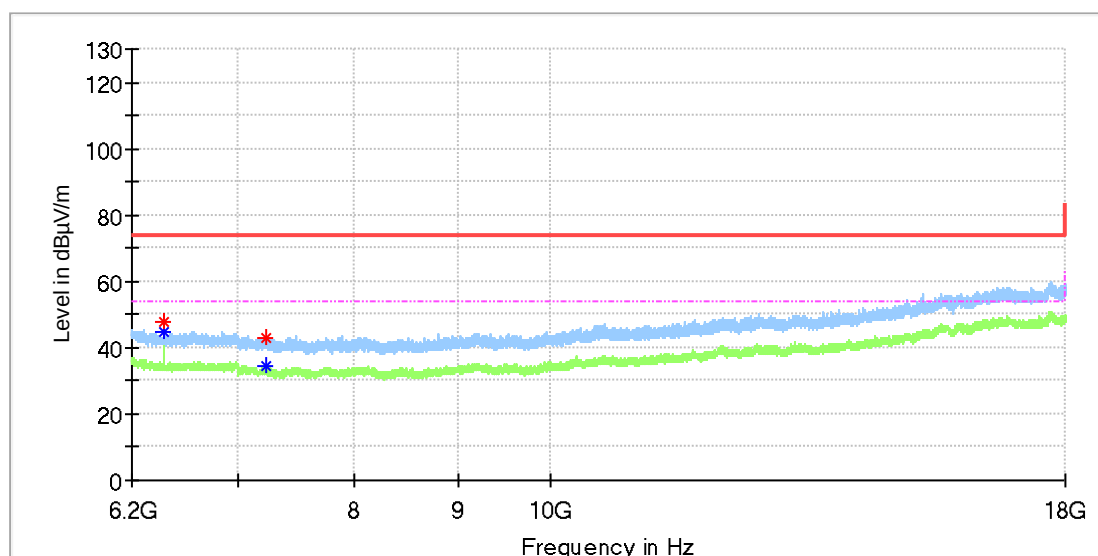
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4807.000000     | 52.17            | ---              | 74.00          | 21.83       | 100.0       | V   | 61.0          | 11.8         |
| 4823.500000     | ---              | 40.36            | 54.00          | 13.64       | 100.0       | V   | 33.0          | 11.8         |

## Final Result

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

## EUT Information

EUT Name: WIFI+BT module  
 Model: DCT2VM2511  
 Test Mode: WIFI 2.4G\_11b\_Ch1  
 Order No/Sample No: 168365112/A003224451-001  
 Test Voltage:: DC 5V From USB  
 Remark: Temp 22 Humi:55%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



## Critical\_Freqs

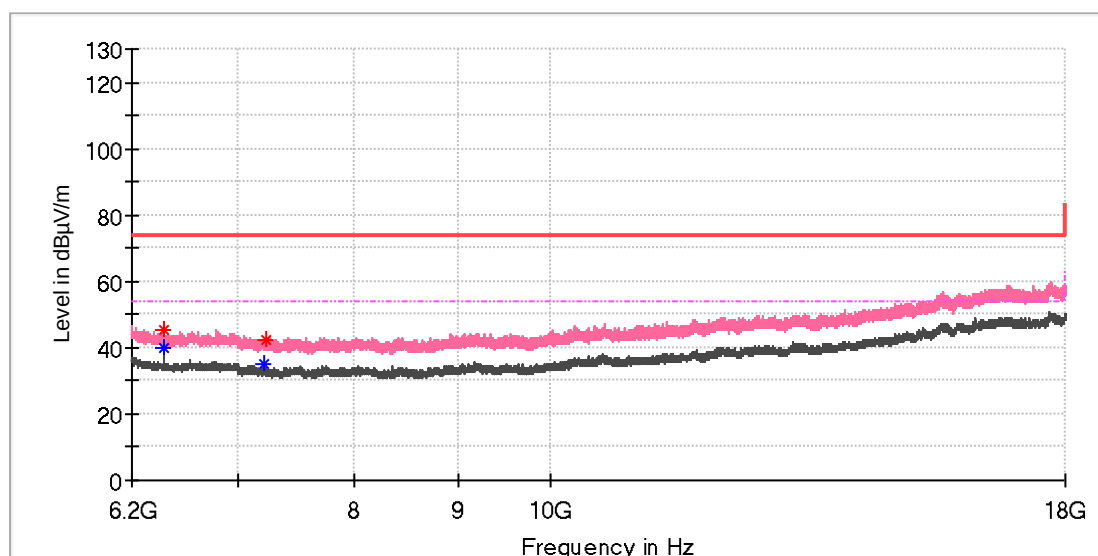
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 6431.575000     | ---              | 44.78            | 54.00          | 9.22        | 100.0       | H   | 148.0         | 8.8          |
| 6432.066667     | 47.94            | ---              | 74.00          | 26.06       | 100.0       | H   | 112.0         | 8.7          |
| 7218.733333     | ---              | 34.25            | 54.00          | 19.75       | 100.0       | H   | 23.0          | 8.7          |
| 7234.958333     | 42.63            | ---              | 74.00          | 31.37       | 100.0       | H   | 210.0         | 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:           | WIFI+BT module           |
| Model:              | DCT2VM2511               |
| Test Mode:          | WIFI 2.4G_11b_Ch1        |
| Order No/Sample No: | 168365112/A003224451-001 |
| Test Voltage::      | DC 5V From USB           |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

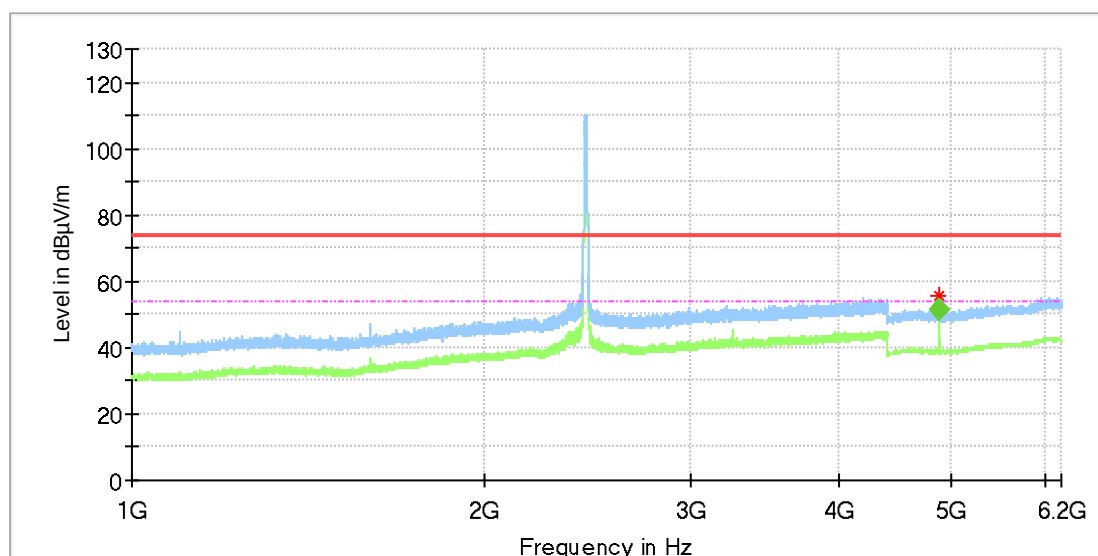
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 6431.575000     | ---              | 40.07            | 54.00          | 13.93       | 100.0       | V   | 126.0         | 8.8          |
| 6431.575000     | 45.26            | ---              | 74.00          | 28.74       | 100.0       | V   | 126.0         | 8.8          |
| 7212.341667     | ---              | 35.01            | 54.00          | 18.99       | 100.0       | V   | 291.0         | 8.7          |
| 7220.208333     | 42.55            | ---              | 74.00          | 31.45       | 100.0       | V   | 205.0         | 8.7          |

## Final\_Result

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

## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11b\_Ch6  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
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     | 55.80            | ---              | 74.00          | 18.20       | 100.0       | H   | 137.0         | 11.8         |

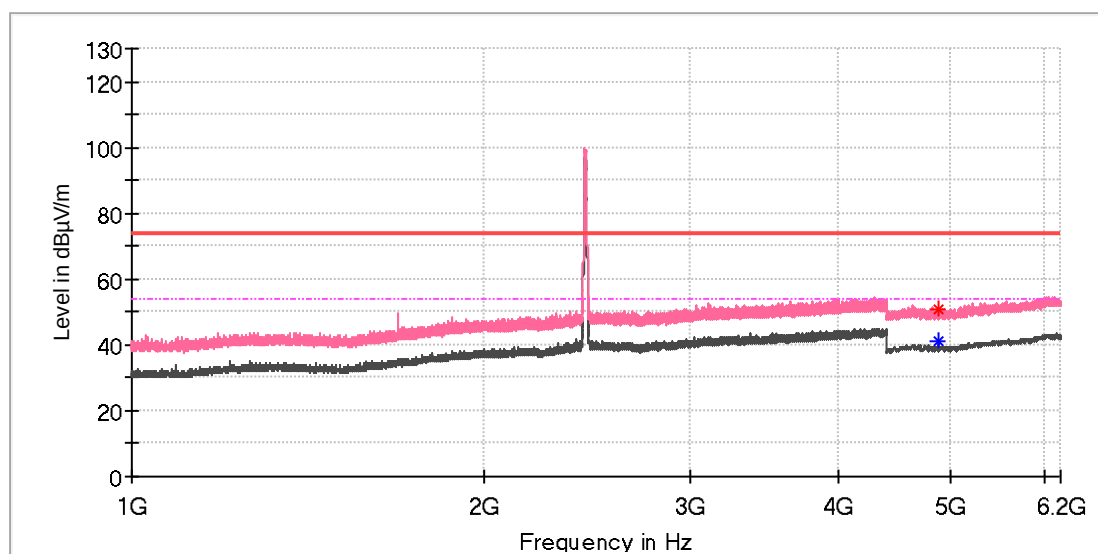
## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4873.938889     | 50.94            | 54.00          | 3.06        | 100.0       | H   | 132.0         | 11.8         |



## EUT Information

EUT Name: WIFI+BT module  
 Model: DCT2VM2511  
 Test Mode: WIFI 2.4G\_11b\_Ch6  
 Order No/Sample No: 168365112/A003224451-001  
 Test Voltage:: DC 5V From USB  
 Remark: Temp 22 Humi:55%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



## Critical\_Freqs

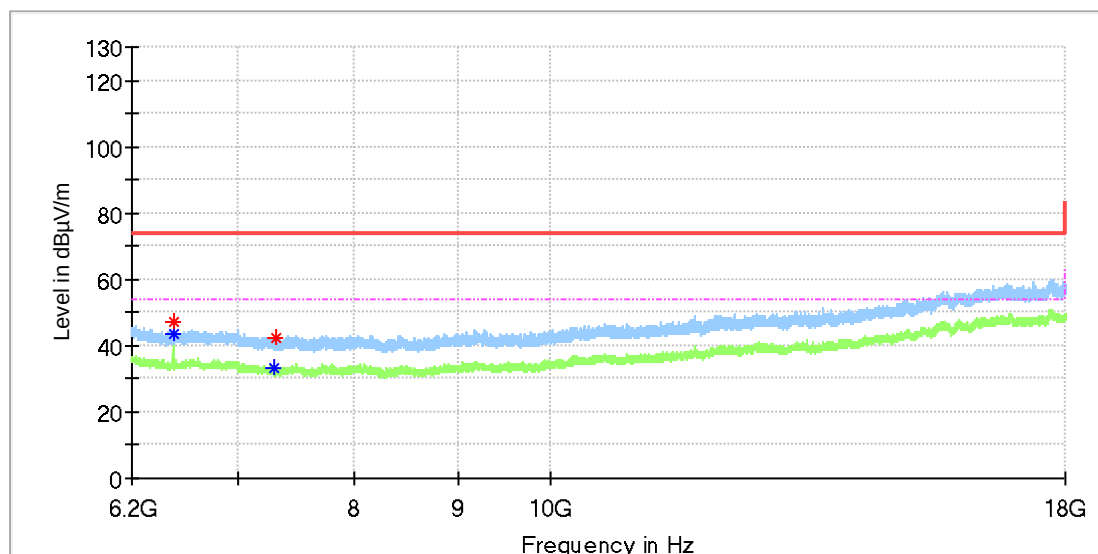
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4873.500000     | 50.52            | ---              | 74.00          | 23.48       | 100.0       | V   | 39.0          | 11.8         |
| 4874.000000     | ---              | 41.24            | 54.00          | 12.76       | 100.0       | V   | 88.0          | 11.8         |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT module           |
| Model:              | DCT2VM2511               |
| Test Mode:          | WIFI 2.4G_11b_Ch6        |
| Order No/Sample No: | 168365112/A003224451-001 |
| Test Voltage::      | DC 5V From USB           |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

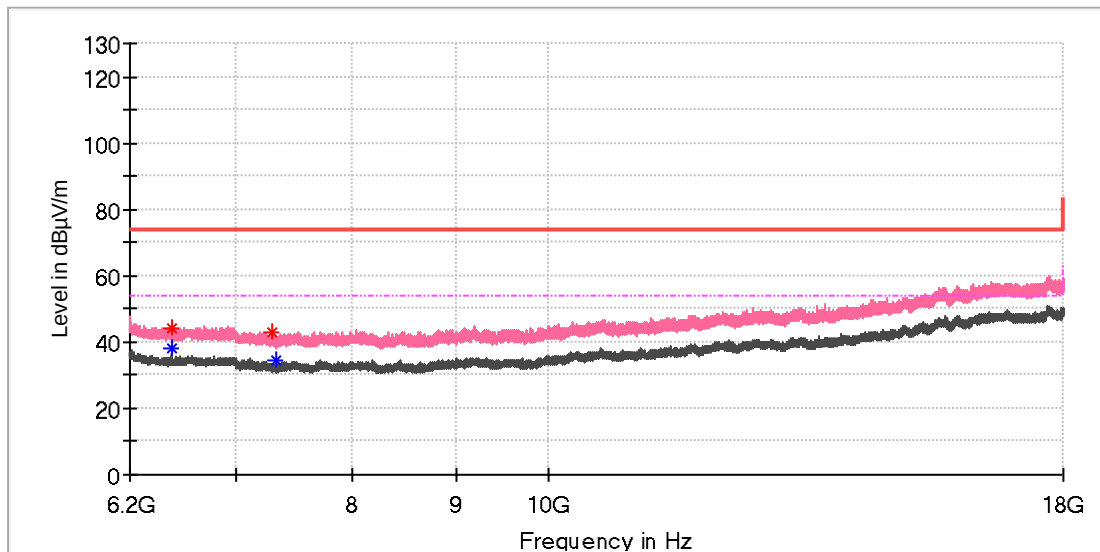
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 6498.441667     | 47.01            | ---              | 74.00          | 26.99       | 100.0       | H   | 124.0         | 8.8          |
| 6498.441667     | ---              | 43.51            | 54.00          | 10.49       | 100.0       | H   | 124.0         | 8.8          |
| 7291.500000     | ---              | 33.14            | 54.00          | 20.86       | 100.0       | H   | 354.0         | 8.3          |
| 7309.200000     | 42.35            | ---              | 74.00          | 31.65       | 100.0       | H   | 283.0         | 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: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11b\_Ch6  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

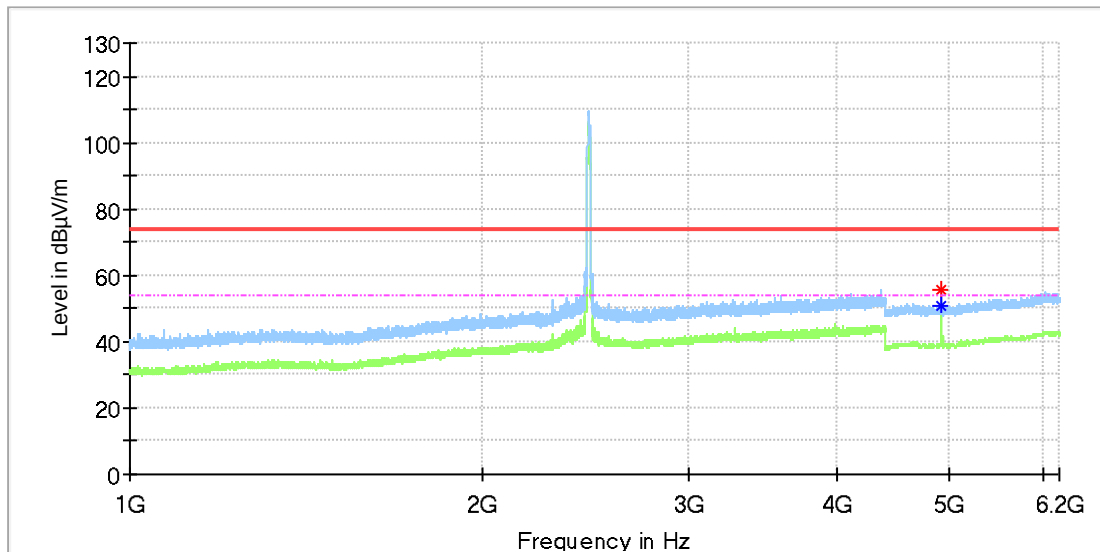
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 6498.441667     | 43.96            | ---              | 74.00          | 30.04       | 100.0       | V   | 60.0          | 8.8          |
| 6498.441667     | ---              | 38.29            | 54.00          | 15.71       | 100.0       | V   | 60.0          | 8.8          |
| 7298.875000     | 42.74            | ---              | 74.00          | 31.26       | 100.0       | V   | 46.0          | 8.3          |
| 7334.275000     | ---              | 34.38            | 54.00          | 19.62       | 100.0       | V   | 109.0         | 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: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11b\_Ch11  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

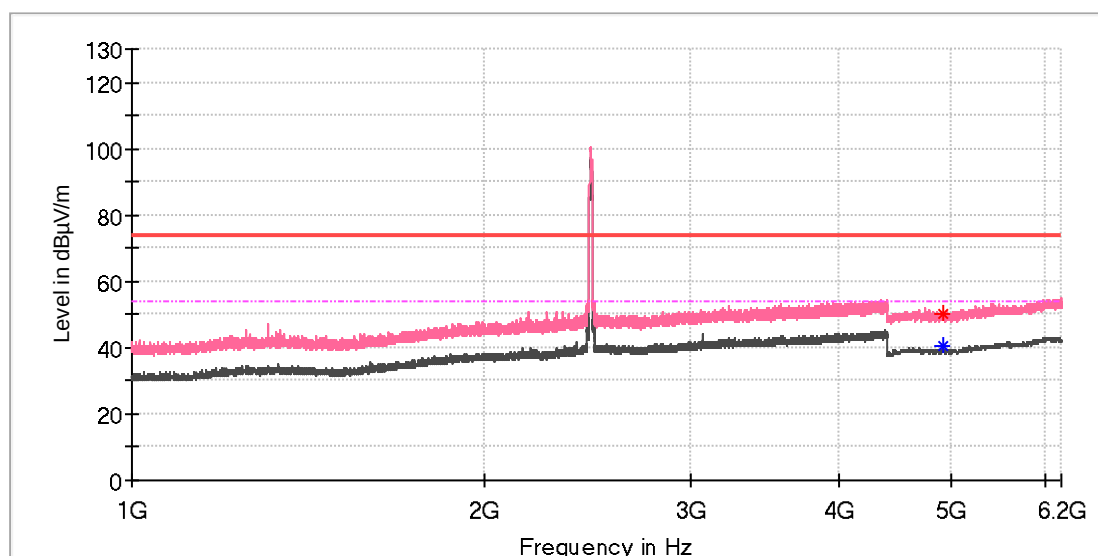
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4923.500000     | ---              | 50.88            | 54.00          | 3.12        | 100.0       | H   | 138.0         | 11.8         |
| 4924.000000     | 55.92            | ---              | 74.00          | 18.08       | 100.0       | H   | 138.0         | 11.8         |

## Final Result

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

## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11b\_Ch11  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

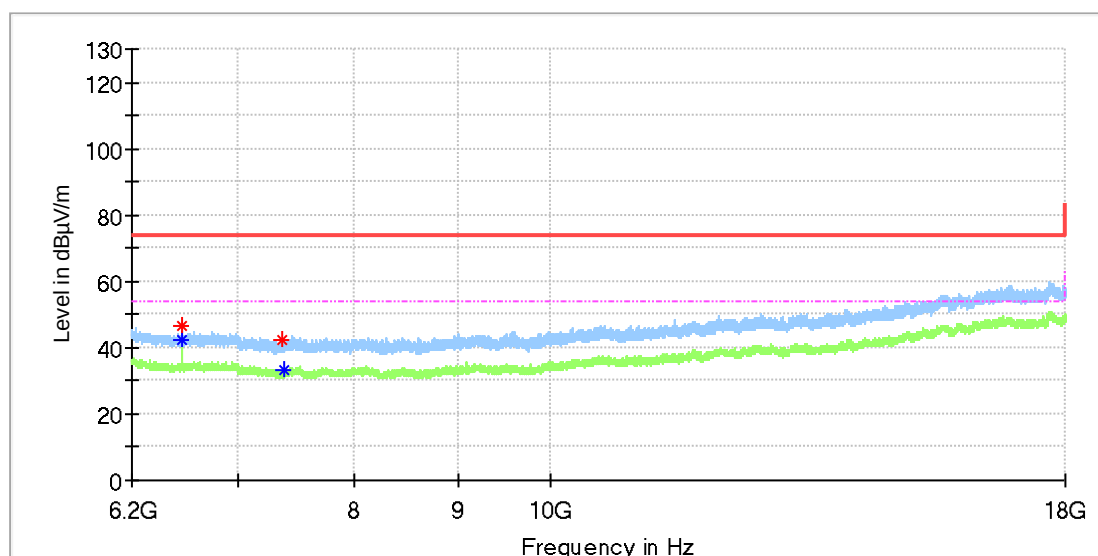
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 4915.500000     | 50.25            | ---              | 74.00          | 23.75       | 100.0       | V   | 46.0          | 11.8         |
| 4924.000000     | ---              | 40.54            | 54.00          | 13.46       | 100.0       | V   | 24.0          | 11.8         |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT module           |
| Model:              | DCT2VM2511               |
| Test Mode:          | WIFI 2.4G_11b_Ch11       |
| Order No/Sample No: | 168365112/A003224451-001 |
| Test Voltage::      | DC 5V From USB           |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical\_Freqs

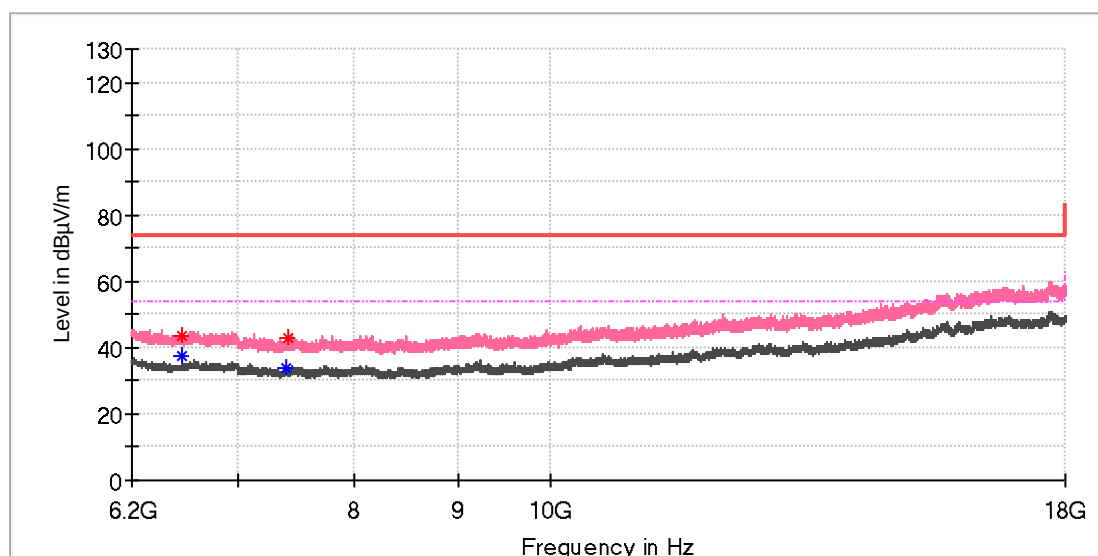
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 6564.816667     | 46.70            | ---              | 74.00          | 27.30       | 100.0       | H   | 125.0         | 8.7          |
| 6565.308333     | ---              | 42.33            | 54.00          | 11.67       | 100.0       | H   | 99.0          | 8.7          |
| 7364.266667     | 42.13            | ---              | 74.00          | 31.87       | 100.0       | H   | 239.0         | 8.2          |
| 7370.658333     | ---              | 33.21            | 54.00          | 20.79       | 100.0       | H   | 227.0         | 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: WIFI+BT module  
 Model: DCT2VM2511  
 Test Mode: WIFI 2.4G\_11b\_Ch11  
 Order No/Sample No: 168365112/A003224451-001  
 Test Voltage:: DC 5V From USB  
 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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 6565.308333     | 43.69            | ---              | 74.00          | 30.31       | 100.0       | V   | 6.0           | 8.7          |
| 6565.308333     | ---              | 37.51            | 54.00          | 16.49       | 100.0       | V   | 6.0           | 8.7          |
| 7400.650000     | ---              | 33.61            | 54.00          | 20.39       | 100.0       | V   | 302.0         | 8.3          |
| 7406.058333     | 42.83            | ---              | 74.00          | 31.17       | 100.0       | V   | 0.0           | 8.3          |

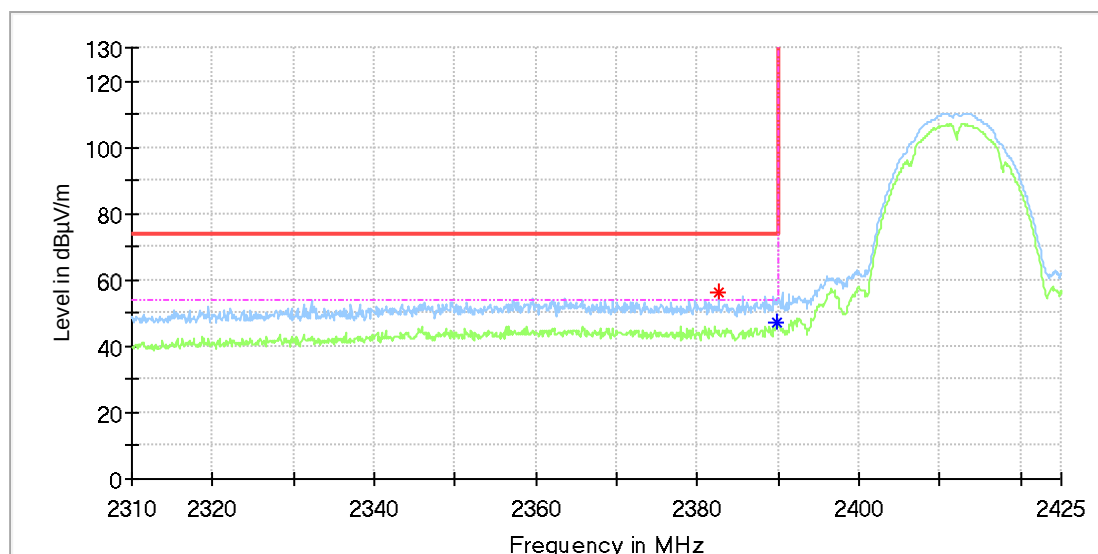
## Final\_Result

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

## Appendix A6: Test Results of Radiated Emissions in Restricted Bands

### EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11b\_Ch1  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage: DC 5V From USB  
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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2382.600000     | 56.12            | ---              | 74.00          | 17.88       | 100.0       | H   | 115.0         | 7.0          |
| 2389.800000     | ---              | 47.00            | 54.00          | 7.00        | 100.0       | H   | 115.0         | 7.0          |

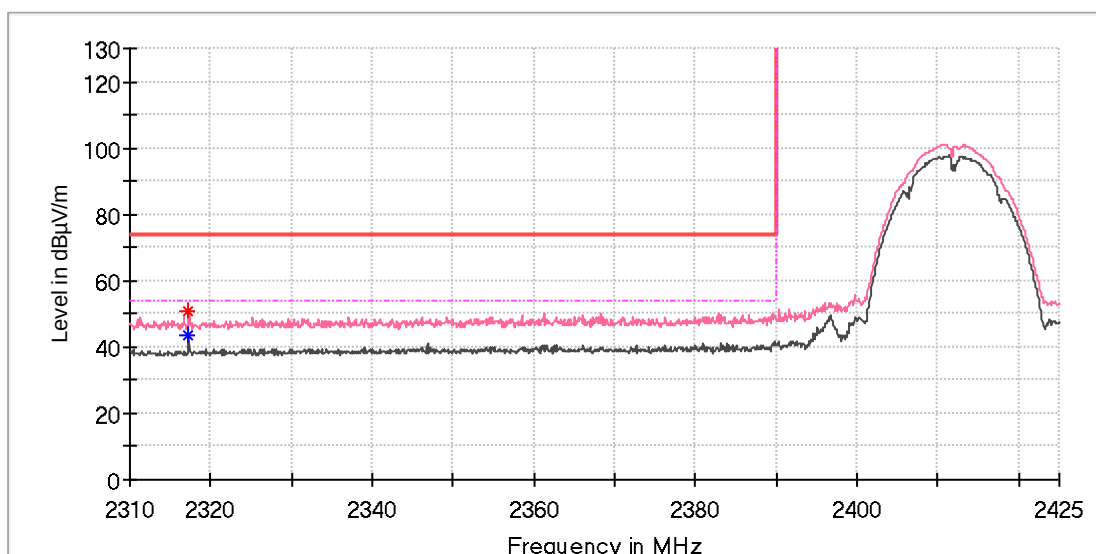
### Final\_Result

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



## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11b\_Ch1  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage: DC 5V From USB  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

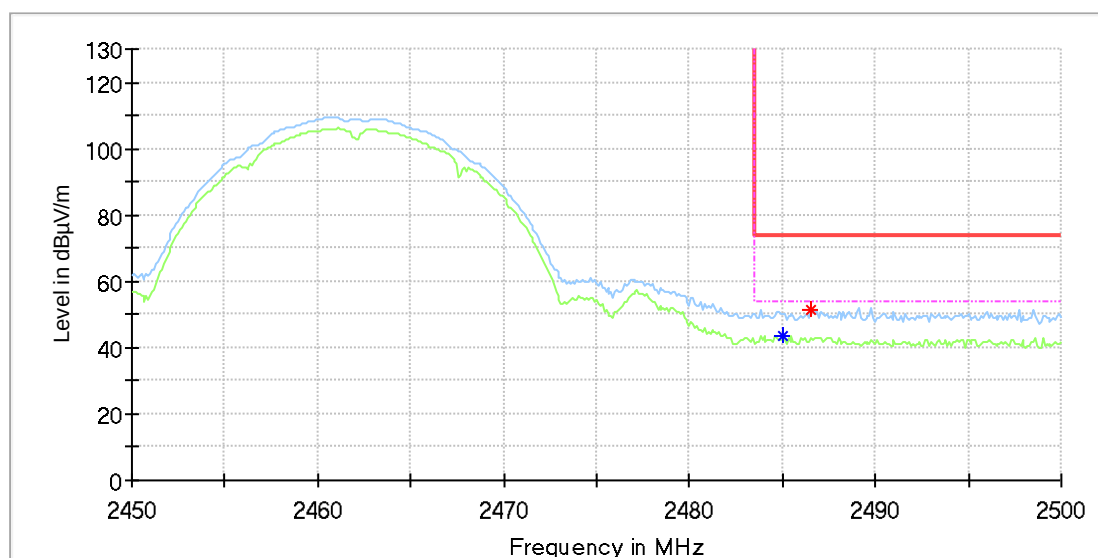
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2317.300000     | ---              | 43.73            | 54.00          | 10.27       | 100.0       | V   | 301.0         | 6.6          |
| 2317.300000     | 50.63            | ---              | 74.00          | 23.37       | 100.0       | V   | 301.0         | 6.6          |

## Final Result

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

## EUT Information

EUT Name: WIFI+BT module  
 Model: DCT2VM2511  
 Test Mode: WIFI 2.4G\_11b\_Ch11  
 Order No/Sample No: 168365112/A003224451-001  
 Test Voltage:: DC 5V From USB  
 Remark: Temp 22 Humi:55%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



## Critical Freqs

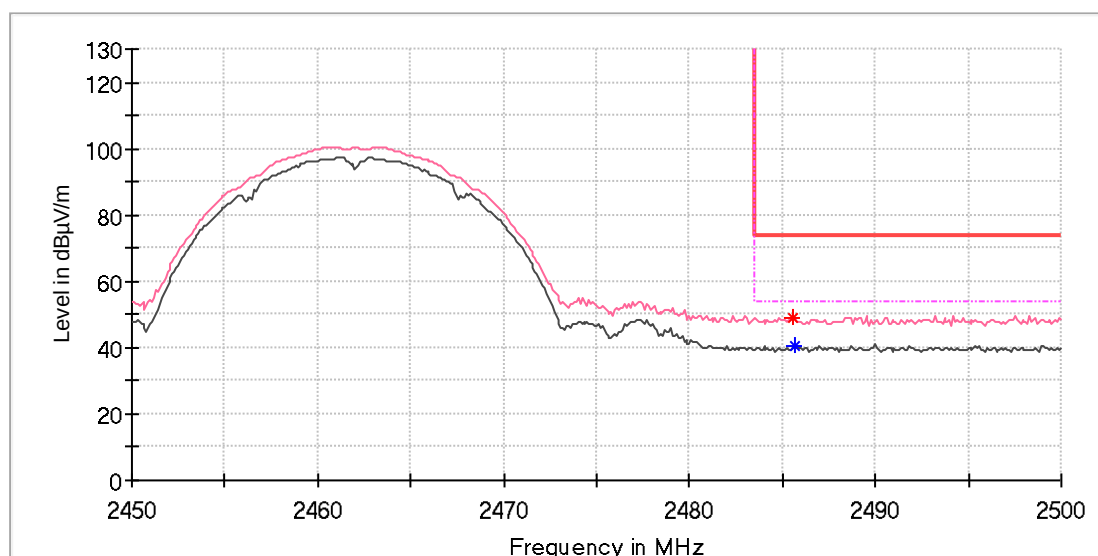
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2485.000000     | ---              | 43.61            | 54.00          | 10.39       | 100.0       | H   | 120.0         | 7.4          |
| 2486.500000     | 51.35            | ---              | 74.00          | 22.65       | 100.0       | H   | 120.0         | 7.4          |

## Final Result

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

## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT module           |
| Model:              | DCT2VM2511               |
| Test Mode:          | WIFI 2.4G_11b_Ch11       |
| Order No/Sample No: | 168365112/A003224451-001 |
| Test Voltage::      | DC 5V From USB           |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

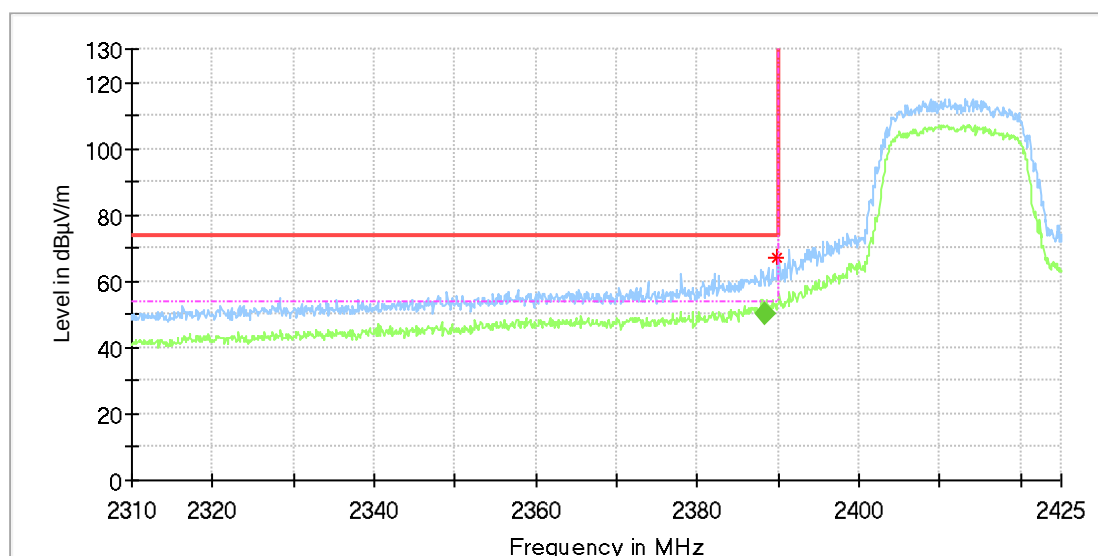
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2485.600000     | 49.05            | ---              | 74.00          | 24.95       | 100.0       | V   | 272.0         | 7.4          |
| 2485.700000     | ---              | 40.74            | 54.00          | 13.26       | 100.0       | V   | 272.0         | 7.4          |

## Final Result

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

## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11g\_Ch1  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

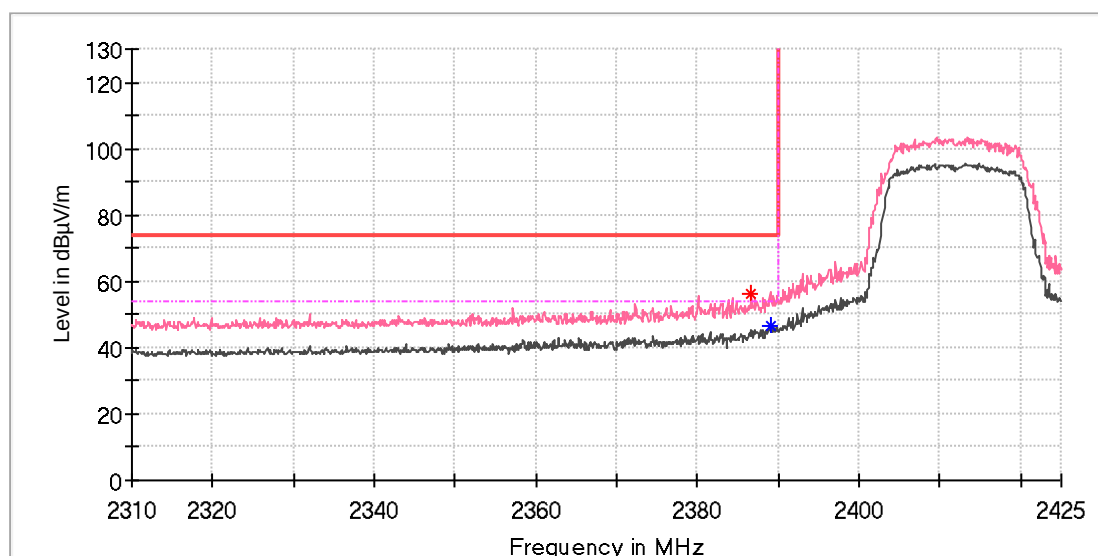
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.900000     | 66.82            | ---              | 74.00          | 7.18        | 100.0       | H   | 115.0         | 7.0          |

## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2388.420700     | 50.10            | 54.00          | 3.90        | 100.0       | H   | 120.0         | 7.0          |

## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11g\_Ch1  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

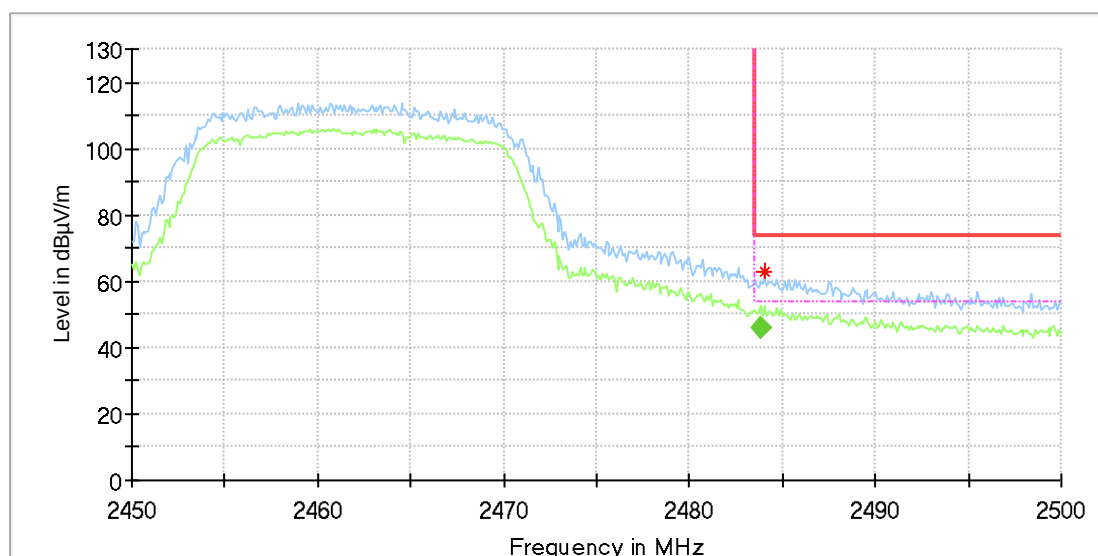
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2386.700000     | 56.36            | ---              | 74.00          | 17.64       | 100.0       | V   | 111.0         | 7.0          |
| 2389.000000     | ---              | 46.70            | 54.00          | 7.30        | 100.0       | V   | 111.0         | 7.0          |

## Final Result

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

## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11g\_Ch11  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

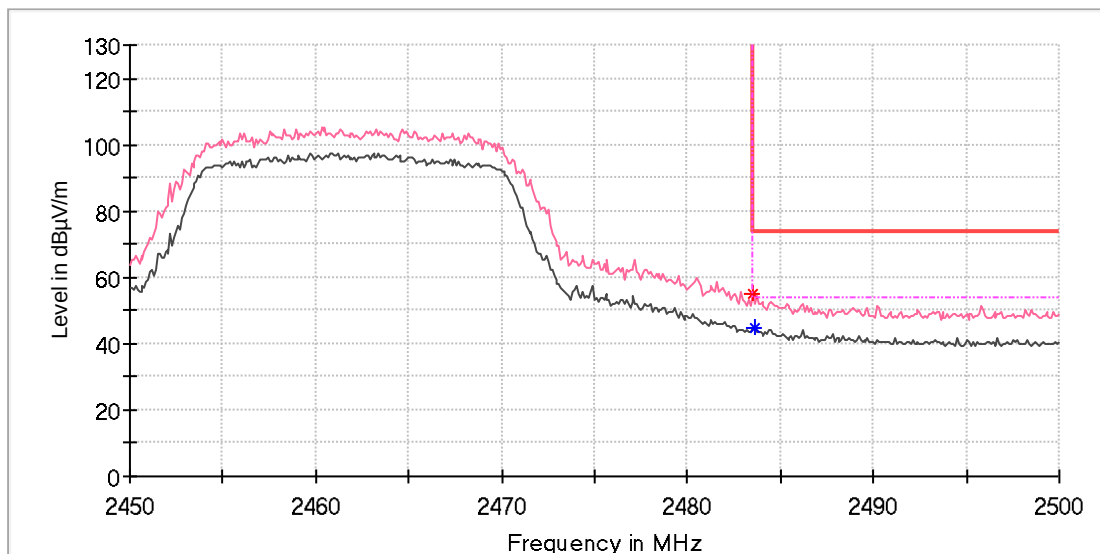
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.000000     | 62.98            | ---              | 74.00          | 11.02       | 100.0       | H   | 112.0         | 7.4          |

## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.832150     | 45.97            | 54.00          | 8.03        | 100.0       | H   | 107.0         | 7.4          |

## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11g\_Ch11  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

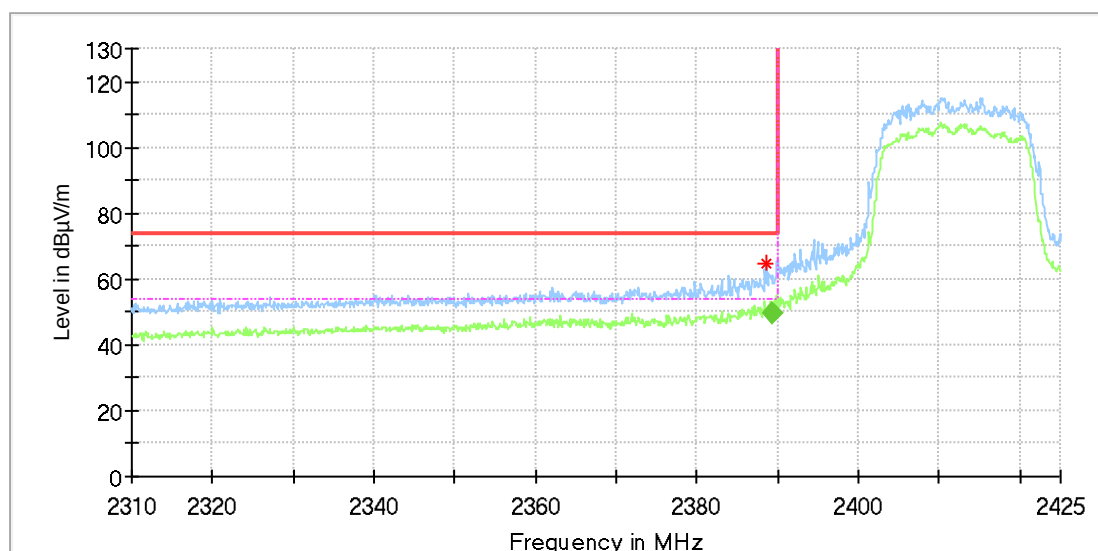
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.500000     | 55.16            | ---              | 74.00          | 18.84       | 100.0       | V   | 161.0         | 7.4          |
| 2483.600000     | ---              | 44.75            | 54.00          | 9.25        | 100.0       | V   | 161.0         | 7.4          |

## Final Result

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

## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11n20\_Ch1  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2388.600000     | 64.60            | ---              | 74.00          | 9.40        | 100.0       | H   | 133.0         | 7.0          |

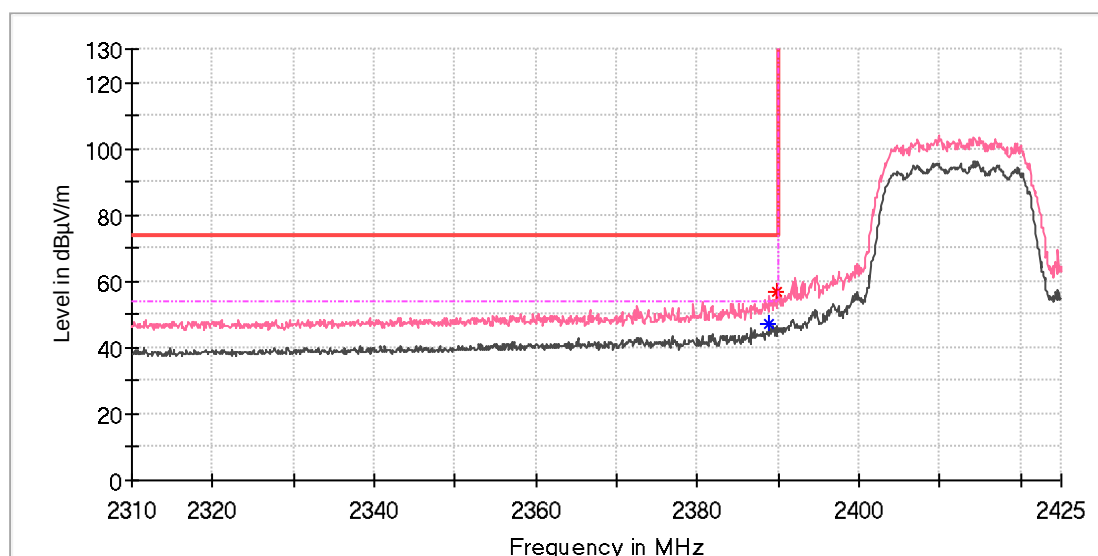
## Final Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.391150     | 49.58            | 54.00          | 4.42        | 100.0       | H   | 118.0         | 7.0          |



## EUT Information

|                     |                          |
|---------------------|--------------------------|
| EUT Name:           | WIFI+BT module           |
| Model:              | DCT2VM2511               |
| Test Mode:          | WIFI 2.4G_11n20_Ch1      |
| Order No/Sample No: | 168365112/A003224451-001 |
| Test Voltage::      | DC 5V From USB           |
| Remark:             | Temp 22 Humi:55%         |
| Test Standard:      | FCC 15.247               |
| Tested By:          | Kei Zhang                |
| Reviewed By:        | Terry Yin                |



## Critical Freqs

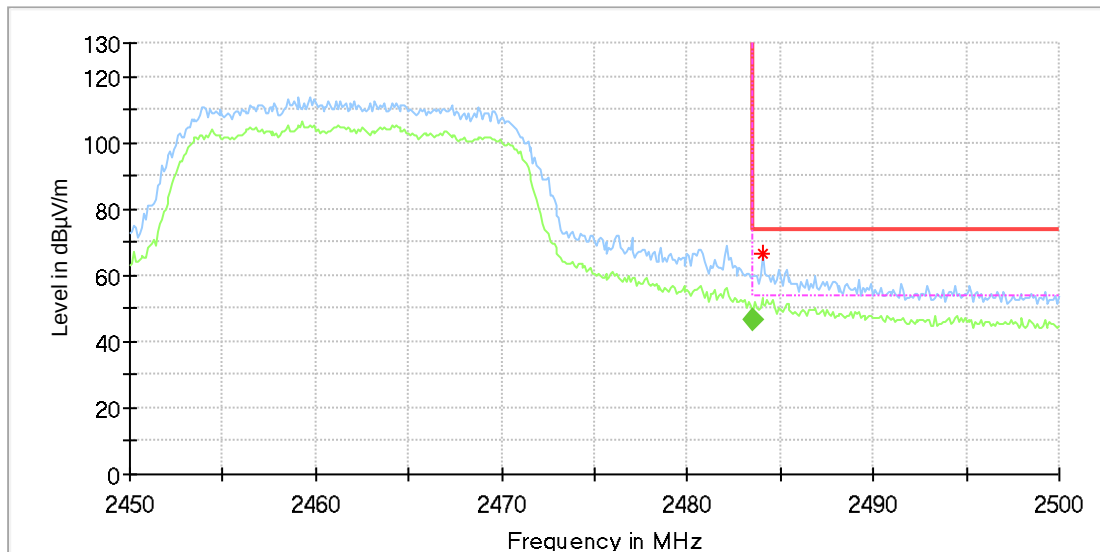
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2388.900000     | ---              | 47.02            | 54.00          | 6.98        | 100.0       | V   | 112.0         | 7.0          |
| 2389.700000     | 56.59            | ---              | 74.00          | 17.41       | 100.0       | V   | 102.0         | 7.0          |

## Final Result

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

## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11n20\_Ch11  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

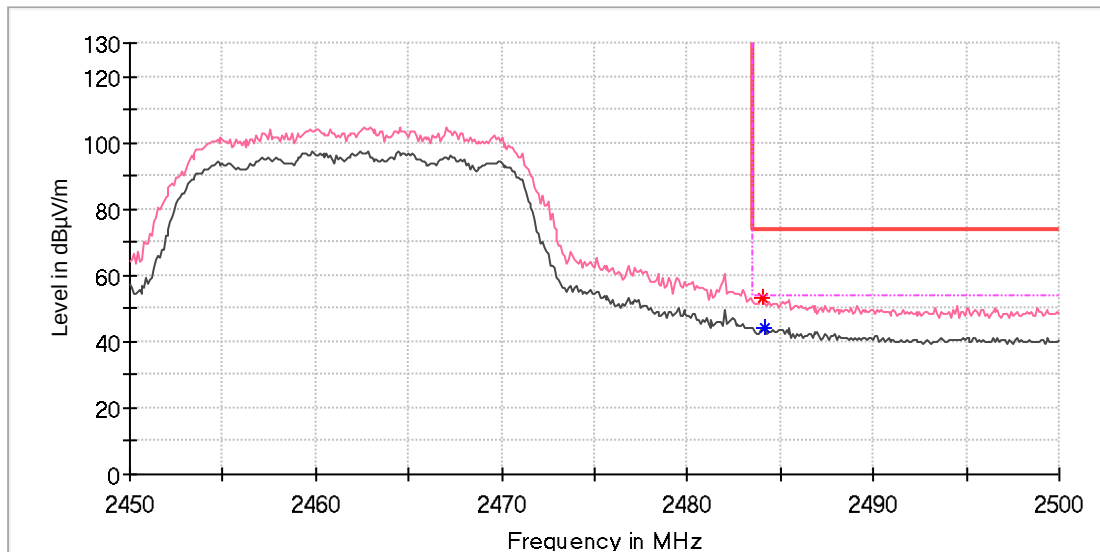
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.100000     | 66.31            | ---              | 74.00          | 7.69        | 100.0       | H   | 154.0         | 7.4          |

## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.500600     | 46.64            | 54.00          | 7.36        | 100.0       | H   | 149.0         | 7.4          |

## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11n20\_Ch11  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

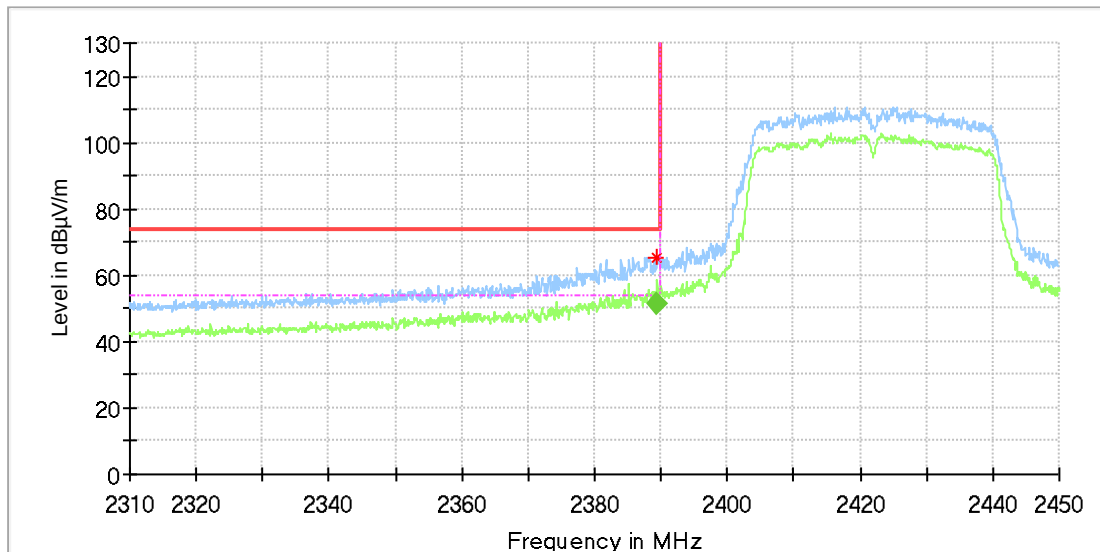
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.100000     | 53.40            | ---              | 74.00          | 20.60       | 100.0       | V   | 156.0         | 7.4          |
| 2484.200000     | ---              | 44.11            | 54.00          | 9.89        | 100.0       | V   | 116.0         | 7.4          |

## Final Result

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

## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11n40\_Ch3  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

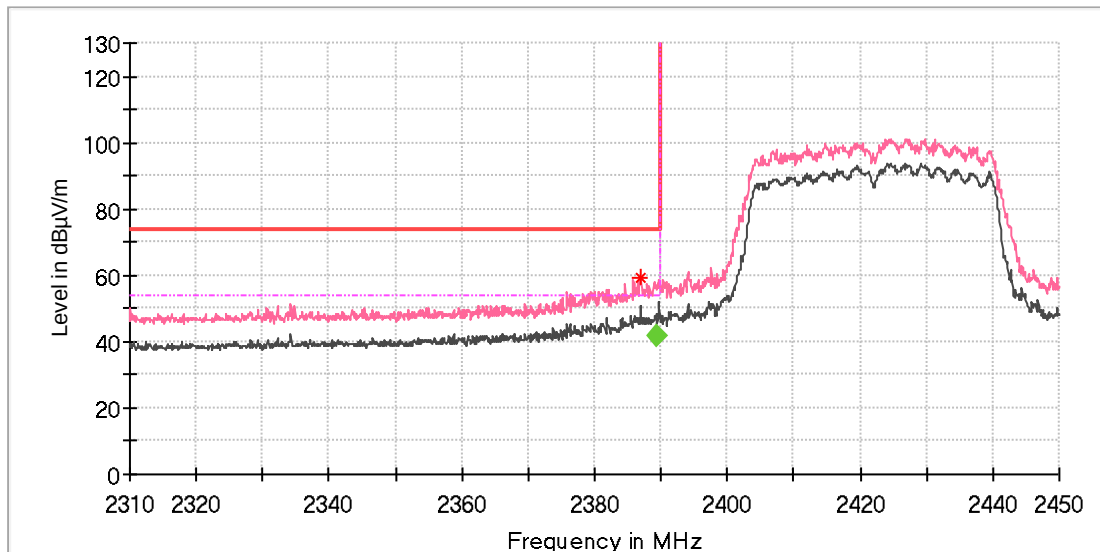
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.500000     | 65.43            | ---              | 74.00          | 8.57        | 100.0       | H   | 121.0         | 7.0          |

## Final Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.422800     | 50.84            | 54.00          | 3.16        | 105.0       | H   | 116.0         | 7.0          |

## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11n40\_Ch3  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical Freqs

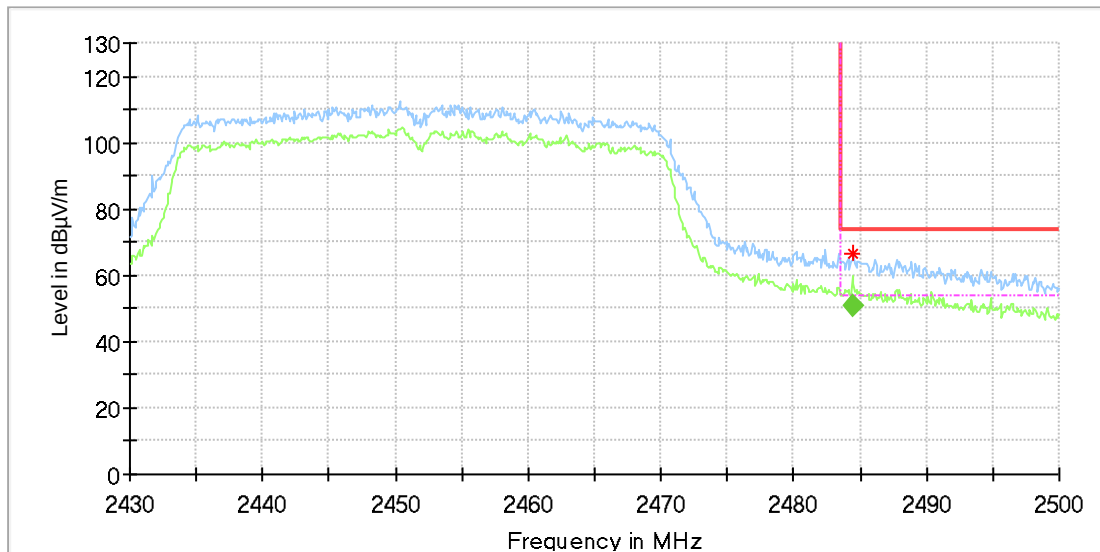
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2386.900000     | 59.00            | ---              | 74.00          | 15.00       | 100.0       | V   | 110.0         | 7.0          |

## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2389.350500     | 41.72            | 54.00          | 12.28       | 100.0       | V   | 100.0         | 7.0          |

## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11n40\_Ch9  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
Remark: Temp 22 Humi:55%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



## Critical\_Freqs

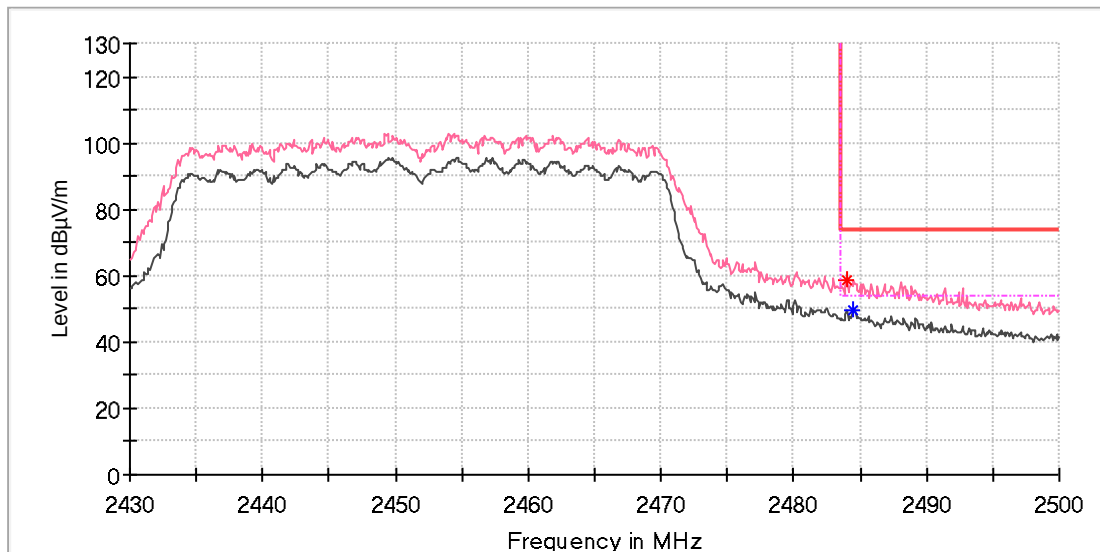
| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.500000     | 66.71            | ---              | 74.00          | 7.29        | 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) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.453900     | 50.86            | 54.00          | 3.14        | 100.0       | H   | 148.0         | 7.4          |

## EUT Information

EUT Name: WIFI+BT module  
Model: DCT2VM2511  
Test Mode: WIFI 2.4G\_11n40\_Ch9  
Order No/Sample No: 168365112/A003224451-001  
Test Voltage:: DC 5V From USB  
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) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.000000     | 58.45            | ---              | 74.00          | 15.55       | 100.0       | V   | 114.0         | 7.4          |
| 2484.400000     | ---              | 49.86            | 54.00          | 4.14        | 100.0       | V   | 84.0          | 7.4          |

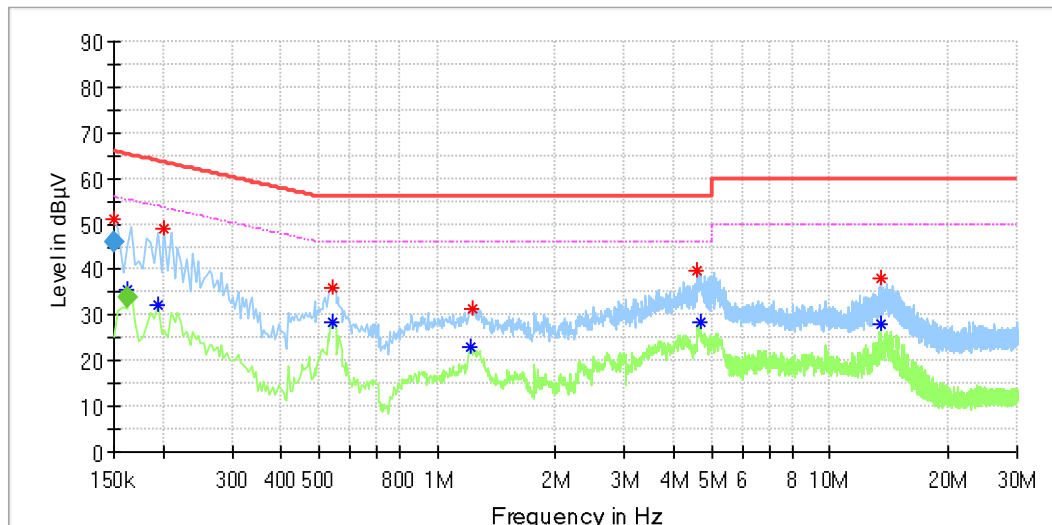
## Final Result

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

## Appendix A7: Test Results of Conducted Emission

### EUT Information

EUT Name: WIFI+BT module  
Order No: 168365112  
Model: DCT2VM2511  
Testmode: WIFI Operation  
Test Voltage: AC 120V/60Hz  
Test By: Kevin Zhou  
Review By: Gary Chen  
Tem./Hum./Pressure: 24.1°C/51%/101kPa



### Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.150000        | 51.09          | ---            | 66.00        | 14.91       | L1   | 9.9        |
| 0.161500        | ---            | 35.44          | 55.16        | 19.71       | L1   | 9.9        |
| 0.194000        | ---            | 32.30          | 53.86        | 21.56       | L1   | 9.9        |
| 0.202000        | 48.95          | ---            | 63.53        | 14.58       | L1   | 9.9        |
| 0.538000        | ---            | 28.54          | 46.00        | 17.46       | L1   | 10.0       |
| 0.542000        | 36.16          | ---            | 56.00        | 19.84       | L1   | 10.0       |
| 1.210000        | ---            | 22.89          | 46.00        | 23.11       | L1   | 10.1       |
| 1.234000        | 31.32          | ---            | 56.00        | 24.68       | L1   | 10.1       |
| 4.606000        | 39.96          | ---            | 56.00        | 16.04       | L1   | 10.2       |
| 4.666000        | ---            | 28.30          | 46.00        | 17.70       | L1   | 10.2       |
| 13.438000       | 38.28          | ---            | 60.00        | 21.72       | L1   | 10.4       |
| 13.438000       | ---            | 28.24          | 50.00        | 21.76       | L1   | 10.4       |

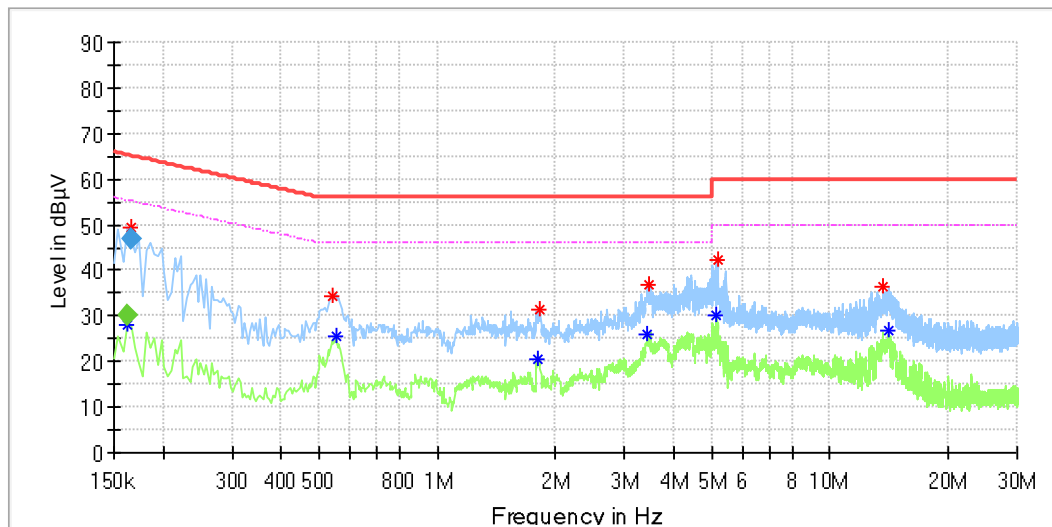
### Final Result

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|-----------------|-----------------|------|------------|
| 0.150000        | 46.05            | ---            | 66.00        | 19.95       | 1000.0          | 9.000           | L1   | 9.9        |
| 0.161500        | ---              | 33.93          | 55.39        | 21.46       | 1000.0          | 9.000           | L1   | 9.9        |



## EUT Information

EUT Name: WIFI+BT module  
Order No: 168365112  
Model: DCT2VM2511  
Test mode: WIFI Operation  
Test Voltage: AC 120V/60Hz  
Test By: Kevin Zhou  
Review By: Gary Chen  
Tem./Hum./Pressure: 24.1°C/51%/101kPa



## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.161500        | ---            | 28.25          | 55.16        | 26.91       | N    | 9.8        |
| 0.166500        | 49.24          | ---            | 65.36        | 16.12       | N    | 9.8        |
| 0.538000        | 34.39          | ---            | 56.00        | 21.61       | N    | 9.8        |
| 0.550000        | ---            | 25.73          | 46.00        | 20.27       | N    | 9.8        |
| 1.798000        | ---            | 20.69          | 46.00        | 25.31       | N    | 9.8        |
| 1.822000        | 31.41          | ---            | 56.00        | 24.59       | N    | 9.8        |
| 3.418000        | ---            | 25.95          | 46.00        | 20.05       | N    | 9.9        |
| 3.470000        | 36.89          | ---            | 56.00        | 19.11       | N    | 9.9        |
| 5.158000        | ---            | 29.94          | 50.00        | 20.06       | N    | 9.9        |
| 5.162000        | 42.45          | ---            | 60.00        | 17.55       | N    | 9.9        |
| 13.686000       | 36.43          | ---            | 60.00        | 23.57       | N    | 10.1       |
| 14.186000       | ---            | 26.86          | 50.00        | 23.14       | N    | 10.1       |

## Final Result

| Frequency (MHz) | QuasiPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|-----------------|-----------------|------|------------|
| 0.161500        | ---              | 30.30          | 55.39        | 25.09       | 1000.0          | 9.000           | N    | 9.8        |
| 0.166500        | 46.75            | ---            | 65.13        | 18.39       | 1000.0          | 9.000           | N    | 9.8        |