

## 7.10. AC Conducted Emissions Measurement

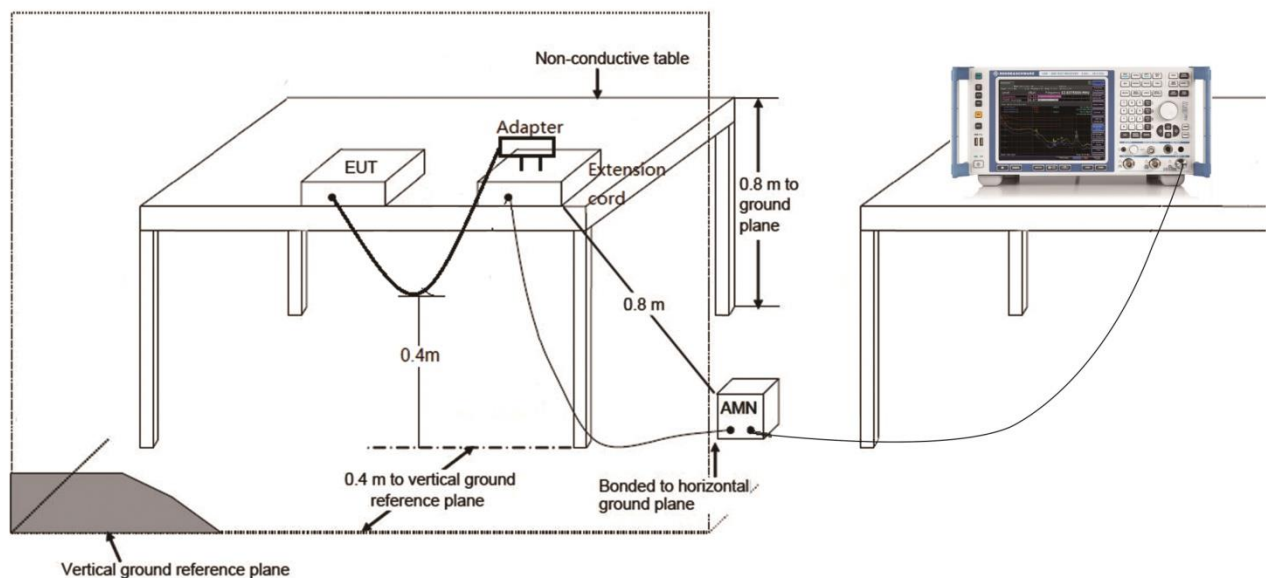
### 7.10.1. TestLimit

| FCC Part 15 Subpart C Paragraph 15.207 Limits |                 |                      |
|-----------------------------------------------|-----------------|----------------------|
| Frequency (MHz)                               | QP (dB $\mu$ V) | Average (dB $\mu$ V) |
| 0.15 - 0.50                                   | 66 - 56         | 56 - 46              |
| 0.50 - 5.0                                    | 56              | 46                   |
| 5.0 - 30                                      | 60              | 50                   |

Note 1: The lower limit shall apply at the transition frequencies.

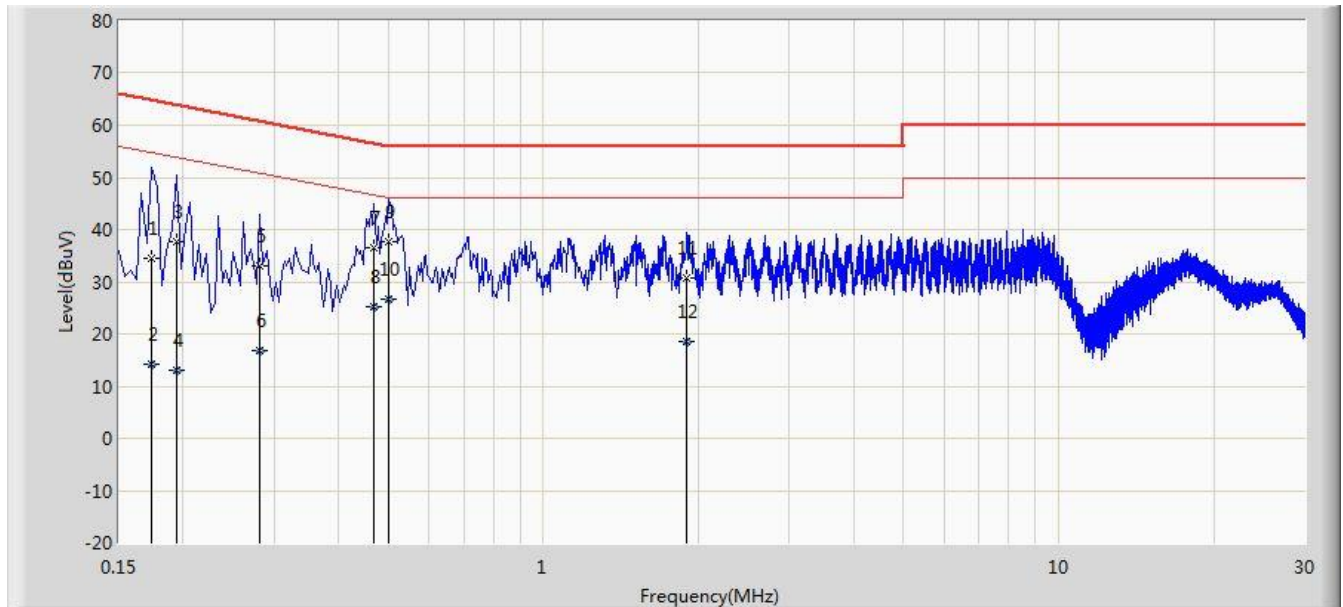
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

### 7.10.2. Test Setup



### 7.10.3.Test Result

|                                                          |                          |
|----------------------------------------------------------|--------------------------|
| Site: SR2                                                | Time: 2019/05/07 - 10:17 |
| Limit: FCC_Part15.207_CE_AC Power                        | Engineer: Liz Yuan       |
| Probe: ENV216_101683_Filter On                           | Polarity: Line           |
| EUT: Tablet                                              | Power: AC 120V/60Hz      |
| <b>Test Mode:</b> Transmit by 802.11a at Channel 5180MHz |                          |

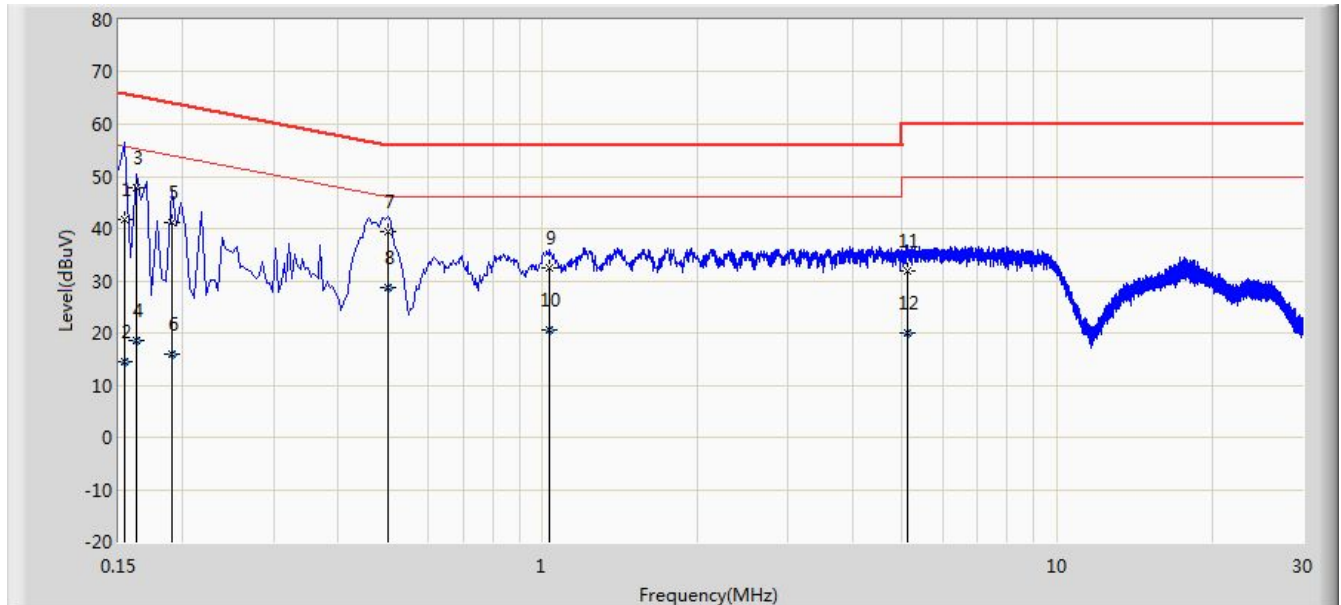


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  |      |      | 0.174           | 34.570               | 24.503               | -30.197         | 64.767       | 10.068      | QP   |
| 2  |      |      | 0.174           | 14.072               | 4.004                | -40.695         | 54.767       | 10.068      | AV   |
| 3  |      |      | 0.194           | 37.696               | 27.679               | -26.167         | 63.864       | 10.017      | QP   |
| 4  |      |      | 0.194           | 12.902               | 2.886                | -40.961         | 53.864       | 10.017      | AV   |
| 5  |      |      | 0.282           | 33.131               | 23.141               | -27.626         | 60.757       | 9.990       | QP   |
| 6  |      |      | 0.282           | 16.740               | 6.750                | -34.017         | 50.757       | 9.990       | AV   |
| 7  |      |      | 0.470           | 36.520               | 26.378               | -19.994         | 56.514       | 10.142      | QP   |
| 8  |      |      | 0.470           | 25.308               | 15.166               | -21.206         | 46.514       | 10.142      | AV   |
| 9  |      | *    | 0.502           | 37.598               | 27.441               | -18.402         | 56.000       | 10.157      | QP   |
| 10 |      |      | 0.502           | 26.561               | 16.403               | -19.439         | 46.000       | 10.157      | AV   |
| 11 |      |      | 1.898           | 30.670               | 20.795               | -25.330         | 56.000       | 9.875       | QP   |
| 12 |      |      | 1.898           | 18.412               | 8.537                | -27.588         | 46.000       | 9.875       | AV   |

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

|                                                          |                          |
|----------------------------------------------------------|--------------------------|
| Site: SR2                                                | Time: 2019/05/07 - 10:17 |
| Limit: FCC_Part15.207_CE_AC Power                        | Engineer: Liz Yuan       |
| Probe: ENV216_101683_Filter On                           | Polarity: Neutral        |
| EUT: Tablet                                              | Power: AC 120V/60Hz      |
| <b>Test Mode:</b> Transmit by 802.11a at Channel 5180MHz |                          |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  |      |      | 0.154           | 41.616               | 30.900               | -24.165         | 65.781       | 10.716      | QP   |
| 2  |      |      | 0.154           | 14.434               | 3.718                | -41.348         | 55.781       | 10.716      | AV   |
| 3  |      |      | 0.162           | 47.710               | 37.631               | -17.651         | 65.361       | 10.078      | QP   |
| 4  |      |      | 0.162           | 18.529               | 8.451                | -36.832         | 55.361       | 10.078      | AV   |
| 5  |      |      | 0.190           | 41.048               | 31.020               | -22.989         | 64.037       | 10.028      | QP   |
| 6  |      |      | 0.190           | 15.838               | 5.811                | -38.198         | 54.037       | 10.028      | AV   |
| 7  |      | *    | 0.502           | 39.373               | 29.195               | -16.627         | 56.000       | 10.177      | QP   |
| 8  |      |      | 0.502           | 28.783               | 18.605               | -17.217         | 46.000       | 10.177      | AV   |
| 9  |      |      | 1.034           | 32.505               | 22.597               | -23.495         | 56.000       | 9.908       | QP   |
| 10 |      |      | 1.034           | 20.706               | 10.798               | -25.294         | 46.000       | 9.908       | AV   |
| 11 |      |      | 5.126           | 31.931               | 21.873               | -28.069         | 60.000       | 10.058      | QP   |
| 12 |      |      | 5.126           | 20.069               | 10.010               | -29.931         | 50.000       | 10.058      | AV   |

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

## 8. CONCLUSION

The data collected relate only the item(s) tested and show that the **Tablet** is in compliance with Part 15E of the FCC rules & SED rules.

\_\_\_\_\_ The End \_\_\_\_\_

## **Appendix A - Test Setup Photograph**

Refer to "1904RSU029-UT" file.

## **Appendix B-EUT Photograph**

Refer to "1904RSU029-UE" file.