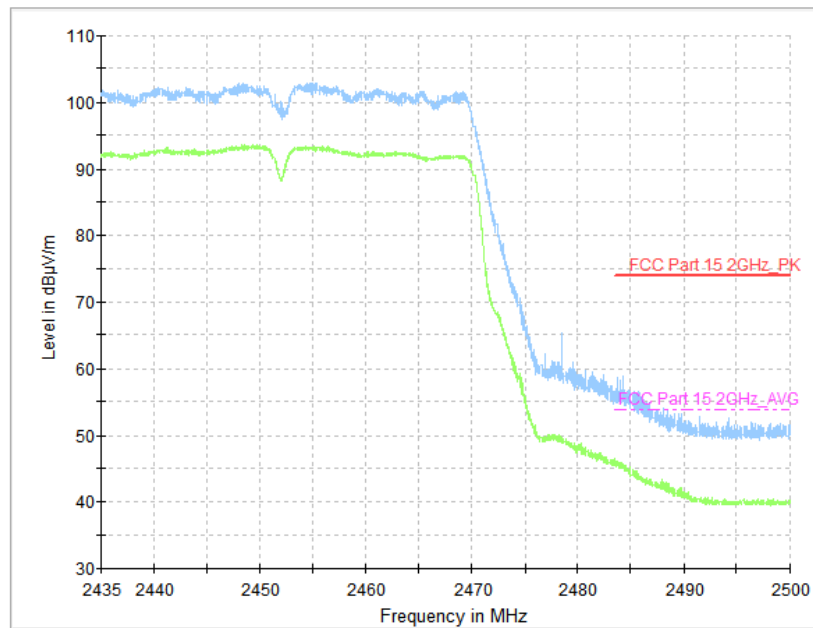
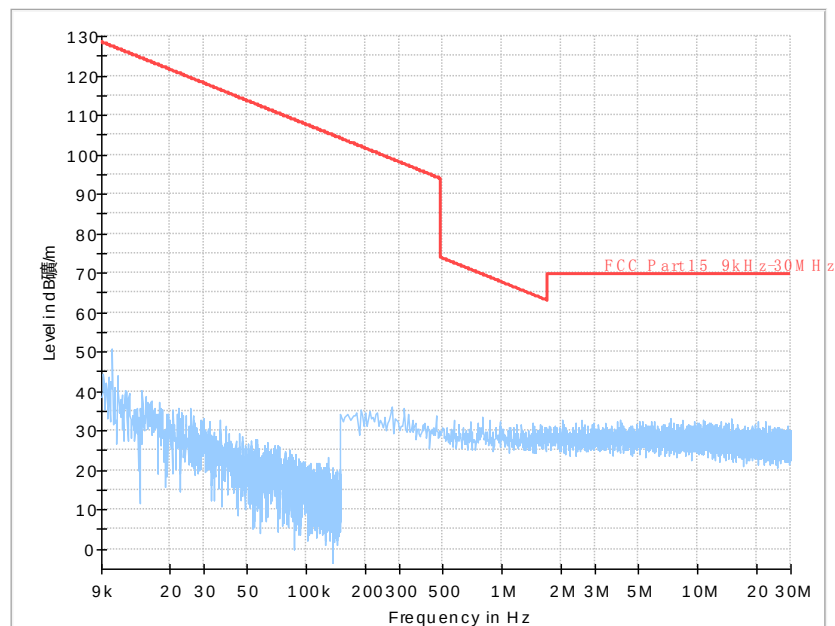
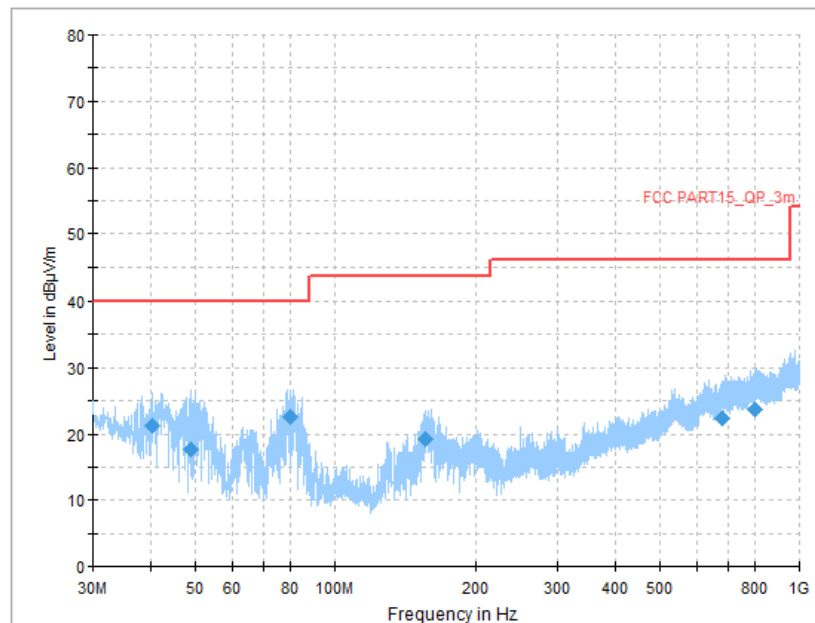




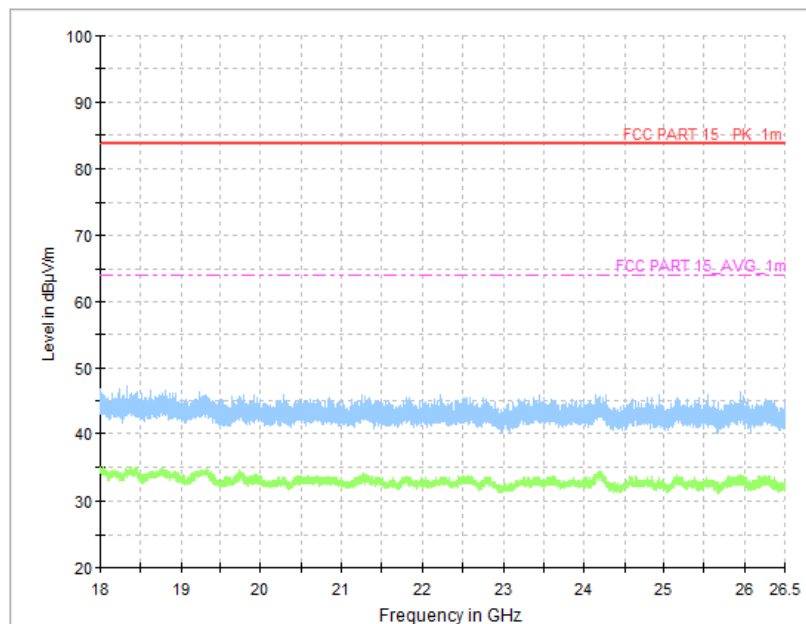
**Fig.135 Radiated Restricted Band (802.11-VHT40, CH9, 2.45GHz~2.5GHz)**



**Fig.136 Radiated Spurious Emission (All Channels, 9 kHz-30 MHz)**



**Fig.137 Radiated Spurious Emission (All Channels, 30MHz-1 GHz)**



**Fig.138 Radiated Spurious Emission (All Channels, 18 GHz-26.5 GHz)**

## A.7 AC Power line Conducted Emission

**Method of Measurement:** See ANSI C63.10-clause 6.2

**Test Condition:**

| Voltage (V) | Frequency (Hz) |
|-------------|----------------|
| 120         | 60             |

**Measurement Result and limit:**

**WLAN - AE2, AE3, AE4**

| Frequency range<br>(MHz) | Quasi-peak<br>Limit (dB $\mu$ V) | Average-peak<br>Limit (dB $\mu$ V) | Result (dB $\mu$ V) |         | Conclusion |
|--------------------------|----------------------------------|------------------------------------|---------------------|---------|------------|
|                          |                                  |                                    | Traffic             | Idle    |            |
| 0.15 to 0.5              | 66 to 56                         | 56 to 46                           | Fig.139             | Fig.140 | <b>P</b>   |
| 0.5 to 5                 | 56                               | 46                                 |                     |         |            |
| 5 to 30                  | 60                               | 50                                 |                     |         |            |

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

**Note:** The measurement results include the L1 and N measurements.

**See below for test graphs.**

**Conclusion: PASS**

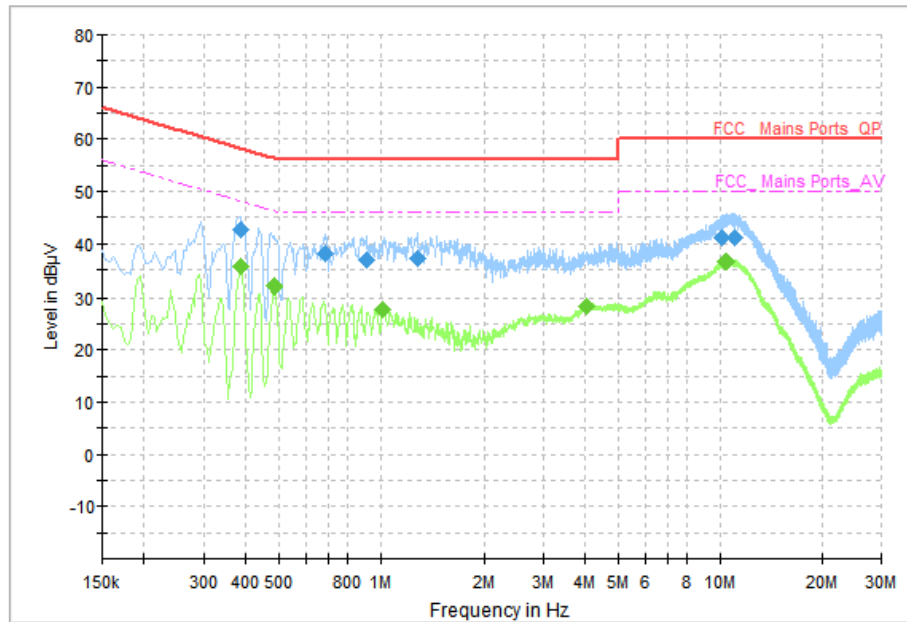


Fig.139 AC Power line Conducted Emission (Traffic)

#### Measurement Results: Quasi Peak

| Frequency (MHz) | Quasi Peak (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|-------------------|--------------|-------------|------|--------|------------|
| 0.386000        | 42.79             | 58.15        | 15.36       | L1   | ON     | 10         |
| 0.686000        | 38.12             | 56.00        | 17.88       | L1   | ON     | 10         |
| 0.914000        | 36.83             | 56.00        | 19.17       | L1   | ON     | 10         |
| 1.282000        | 37.21             | 56.00        | 18.79       | L1   | ON     | 10         |
| 10.178000       | 41.07             | 60.00        | 18.93       | N    | ON     | 10         |
| 10.998000       | 41.22             | 60.00        | 18.78       | N    | ON     | 10         |

#### Measurement Results: Average

| Frequency (MHz) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|----------------|--------------|-------------|------|--------|------------|
| 0.386000        | 35.68          | 48.15        | 12.47       | L1   | ON     | 10         |
| 0.482000        | 32.08          | 46.31        | 14.23       | L1   | ON     | 10         |
| 1.018000        | 27.69          | 46.00        | 18.31       | L1   | ON     | 10         |
| 4.042000        | 28.33          | 46.00        | 17.67       | N    | ON     | 10         |
| 10.390000       | 36.61          | 50.00        | 13.39       | N    | ON     | 10         |
| 10.494000       | 36.62          | 50.00        | 13.38       | N    | ON     | 10         |

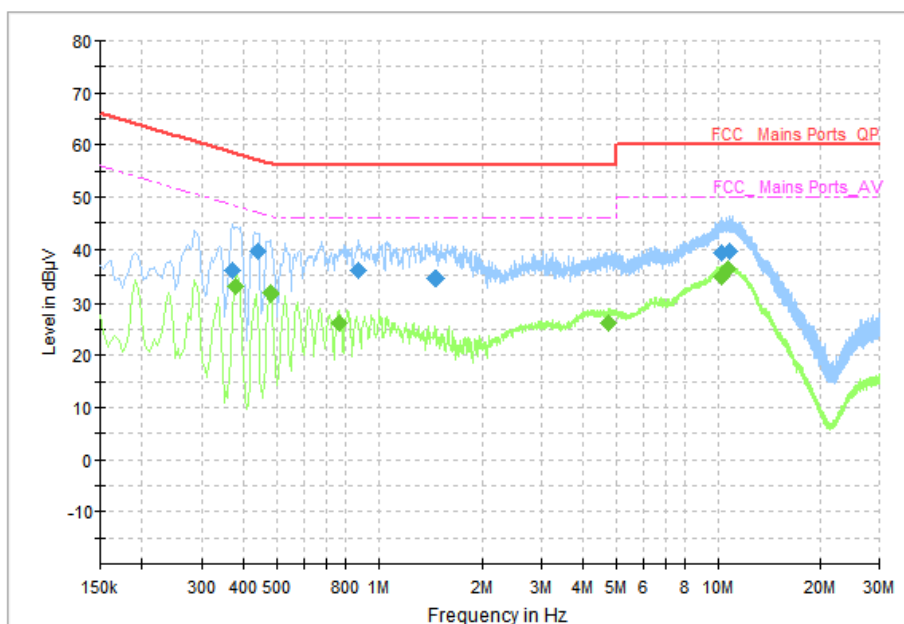


Fig.140 AC Power line Conducted Emission (Idle)

#### Measurement Results: Quasi Peak

| Frequency (MHz) | Quasi Peak (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|-------------------|--------------|-------------|------|--------|------------|
| 0.370000        | 36.03             | 58.50        | 22.47       | L1   | ON     | 10         |
| 0.438000        | 39.50             | 57.10        | 17.60       | L1   | ON     | 10         |
| 0.874000        | 35.94             | 56.00        | 20.06       | L1   | ON     | 10         |
| 1.466000        | 34.41             | 56.00        | 21.59       | L1   | ON     | 10         |
| 10.218000       | 39.36             | 60.00        | 20.64       | N    | ON     | 10         |
| 10.798000       | 39.67             | 60.00        | 20.33       | N    | ON     | 10         |

#### Measurement Results: Average

| Frequency (MHz) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|----------------|--------------|-------------|------|--------|------------|
| 0.378000        | 32.90          | 48.32        | 12.43       | L1   | ON     | 10         |
| 0.478000        | 31.77          | 46.37        | 14.60       | L1   | ON     | 10         |
| 0.762000        | 26.24          | 46.00        | 19.76       | L1   | ON     | 10         |
| 4.738000        | 26.32          | 46.00        | 19.68       | L1   | ON     | 10         |
| 10.282000       | 34.72          | 50.00        | 15.28       | N    | ON     | 10         |
| 10.650000       | 36.25          | 50.00        | 13.75       | N    | ON     | 10         |

\*\*\*END OF REPORT\*\*\*