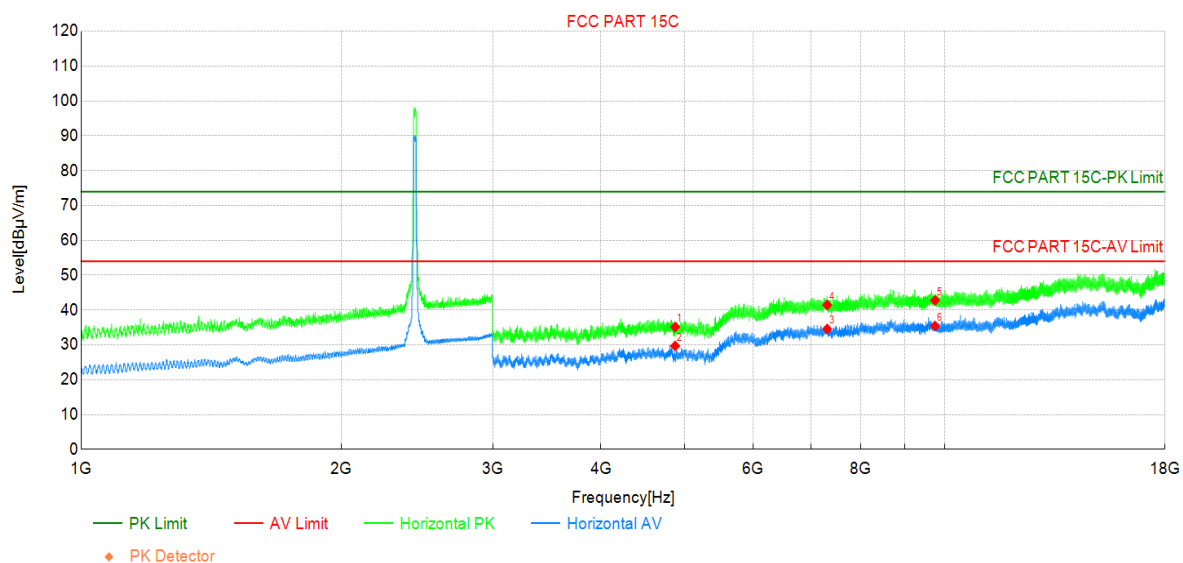


## Test Report

### Project Information

|                |                                      |       |                  |
|----------------|--------------------------------------|-------|------------------|
| Profile:       | 2520983R                             | EUT:  | Smart Controller |
| Mode:          | Mode2:Transmit at 2437MHz by 802.11g | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                         |       |                  |

### Test Graph



### Suspected Data List

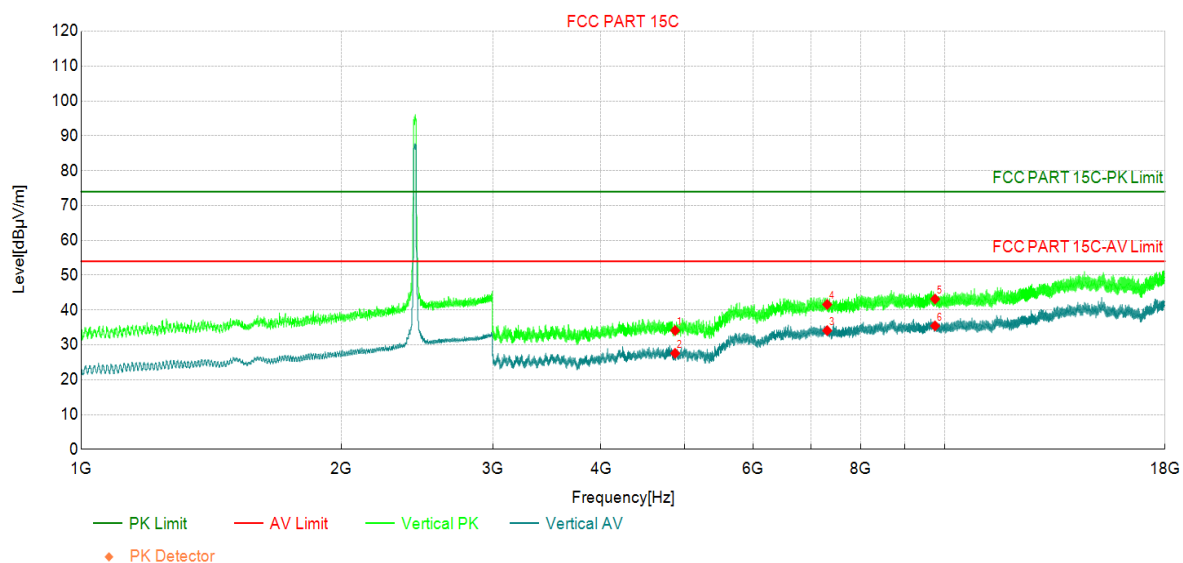
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4874.00         | 41.20          | 35.12          | -6.08         | 74.00          | 38.88       | PK  | Horizo | PASS    |
| 2  | 4874.00         | 35.76          | 29.68          | -6.08         | 54.00          | 24.32       | AV  | Horizo | PASS    |
| 3  | 7311.00         | 31.68          | 34.55          | 2.87          | 54.00          | 19.45       | AV  | Horizo | PASS    |
| 4  | 7311.00         | 38.56          | 41.43          | 2.87          | 74.00          | 32.57       | PK  | Horizo | PASS    |
| 5  | 9748.00         | 36.59          | 42.75          | 6.16          | 74.00          | 31.25       | PK  | Horizo | PASS    |
| 6  | 9748.00         | 29.26          | 35.42          | 6.16          | 54.00          | 18.58       | AV  | Horizo | PASS    |

## Test Report

### Project Information

|                |                                      |       |                  |
|----------------|--------------------------------------|-------|------------------|
| Profile:       | 2520983R                             | EUT:  | Smart Controller |
| Mode:          | Mode2:Transmit at 2437MHz by 802.11g | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                         |       |                  |

### Test Graph



### Suspected Data List

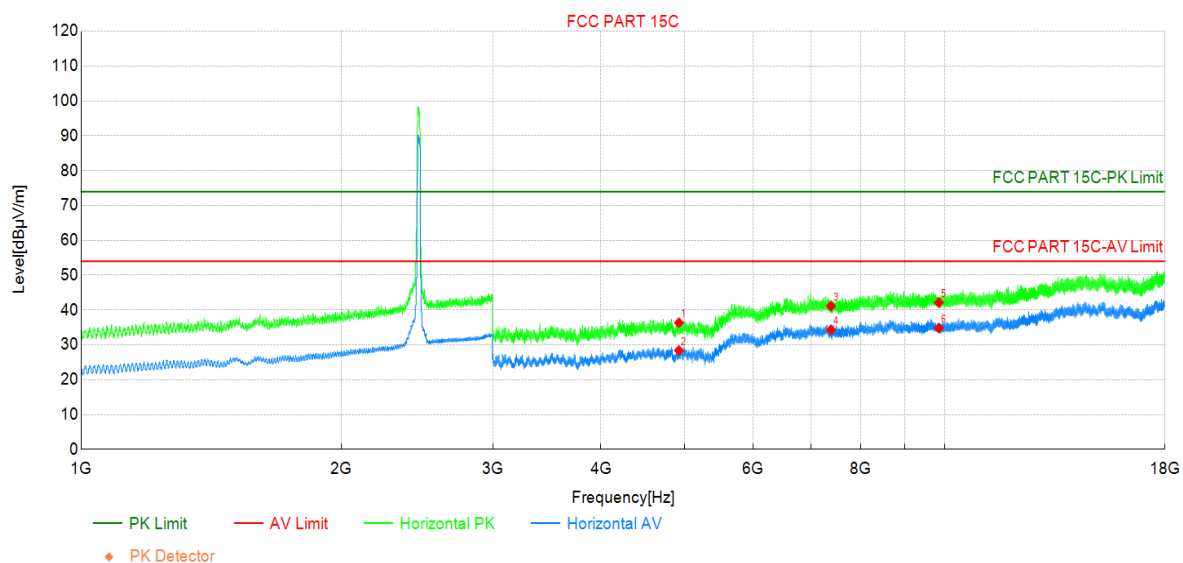
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4874.00         | 40.19          | 34.11          | -6.08         | 74.00          | 39.89       | PK  | Vertic | PASS    |
| 2  | 4874.00         | 33.65          | 27.57          | -6.08         | 54.00          | 26.43       | AV  | Vertic | PASS    |
| 3  | 7311.00         | 31.22          | 34.09          | 2.87          | 54.00          | 19.91       | AV  | Vertic | PASS    |
| 4  | 7311.00         | 38.73          | 41.60          | 2.87          | 74.00          | 32.40       | PK  | Vertic | PASS    |
| 5  | 9748.00         | 36.99          | 43.15          | 6.16          | 74.00          | 30.85       | PK  | Vertic | PASS    |
| 6  | 9748.00         | 29.29          | 35.45          | 6.16          | 54.00          | 18.55       | AV  | Vertic | PASS    |

## Test Report

### Project Information

|                |                                      |       |                  |
|----------------|--------------------------------------|-------|------------------|
| Profile:       | 2520983R                             | EUT:  | Smart Controller |
| Mode:          | Mode2:Transmit at 2462MHz by 802.11g | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                         |       |                  |

### Test Graph



### Suspected Data List

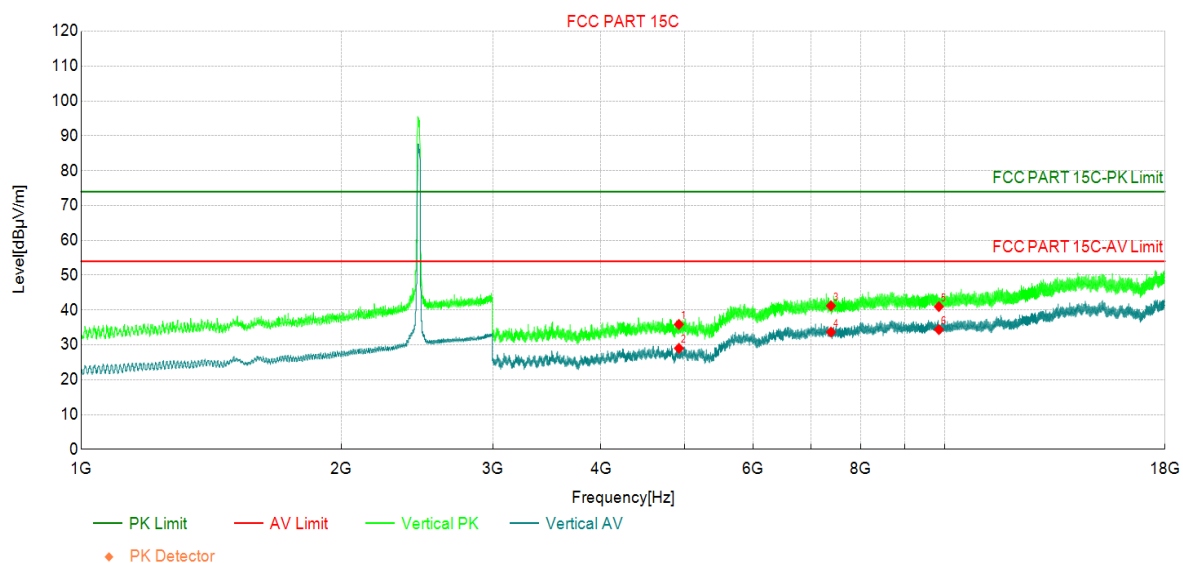
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4924.00         | 42.09          | 36.33          | -5.76         | 74.00          | 37.67       | PK  | Horizo | PASS    |
| 2  | 4924.00         | 34.14          | 28.38          | -5.76         | 54.00          | 25.62       | AV  | Horizo | PASS    |
| 3  | 7386.00         | 38.83          | 41.13          | 2.30          | 74.00          | 32.87       | PK  | Horizo | PASS    |
| 4  | 7386.00         | 32.04          | 34.34          | 2.30          | 54.00          | 19.66       | AV  | Horizo | PASS    |
| 5  | 9848.00         | 36.35          | 42.15          | 5.80          | 74.00          | 31.85       | PK  | Horizo | PASS    |
| 6  | 9848.00         | 29.02          | 34.82          | 5.80          | 54.00          | 19.18       | AV  | Horizo | PASS    |

## Test Report

### Project Information

|                |                                      |       |                  |
|----------------|--------------------------------------|-------|------------------|
| Profile:       | 2520983R                             | EUT:  | Smart Controller |
| Mode:          | Mode2:Transmit at 2462MHz by 802.11g | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                         |       |                  |

### Test Graph



### Suspected Data List

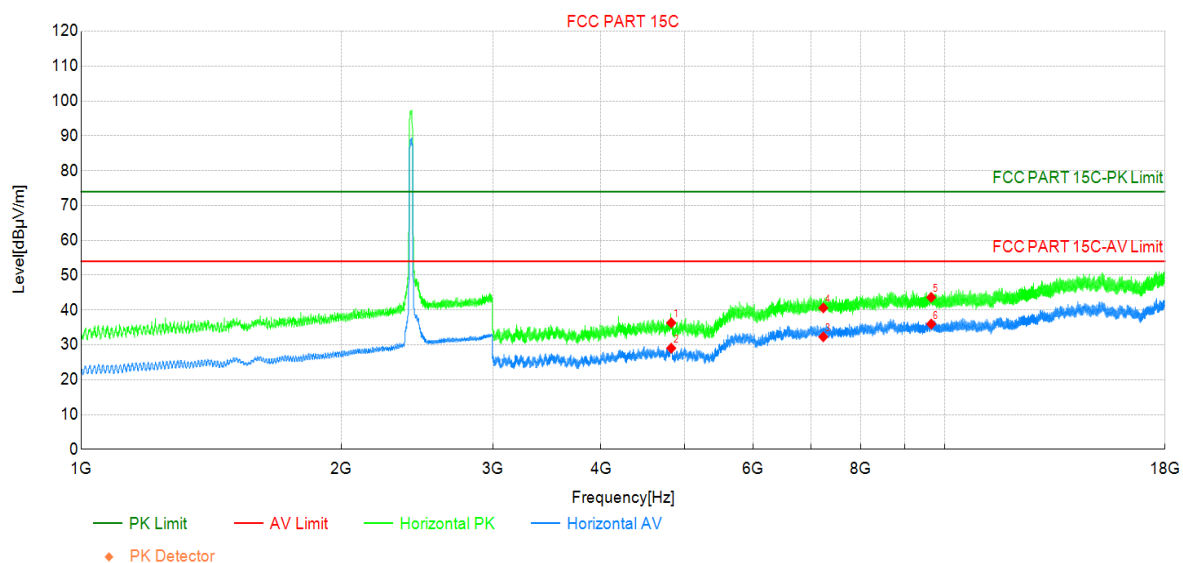
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4924.00         | 41.64          | 35.88          | -5.76         | 74.00          | 38.12       | PK  | Vertic | PASS    |
| 2  | 4924.00         | 34.77          | 29.01          | -5.76         | 54.00          | 24.99       | AV  | Vertic | PASS    |
| 3  | 7386.00         | 38.91          | 41.21          | 2.30          | 74.00          | 32.79       | PK  | Vertic | PASS    |
| 4  | 7386.00         | 31.39          | 33.69          | 2.30          | 54.00          | 20.31       | AV  | Vertic | PASS    |
| 5  | 9848.00         | 35.17          | 40.97          | 5.80          | 74.00          | 33.03       | PK  | Vertic | PASS    |
| 6  | 9848.00         | 28.57          | 34.37          | 5.80          | 54.00          | 19.63       | AV  | Vertic | PASS    |

## Test Report

### Project Information

|                |                                             |       |                  |
|----------------|---------------------------------------------|-------|------------------|
| Profile:       | 2520983R                                    | EUT:  | Smart Controller |
| Mode:          | Mode3:Transmit at 2412MHz by 802.11n(20MHz) | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                       | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                                |       |                  |

### Test Graph



### Suspected Data List

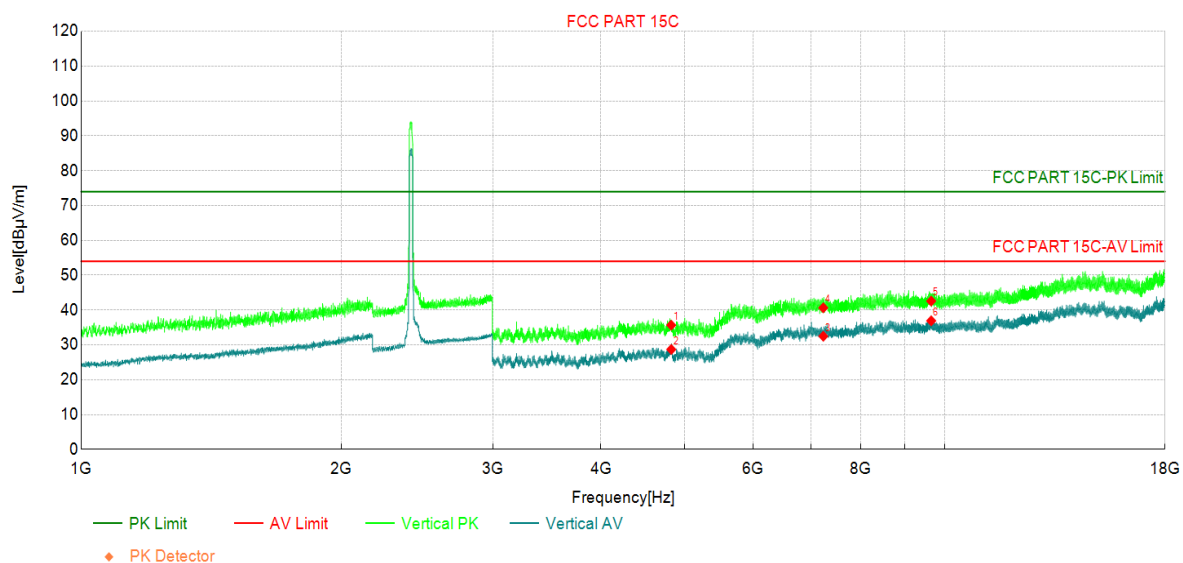
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4824.00         | 42.36          | 36.32          | -6.04         | 74.00          | 37.68       | PK  | Horizo | PASS    |
| 2  | 4824.00         | 35.08          | 29.04          | -6.04         | 54.00          | 24.96       | AV  | Horizo | PASS    |
| 3  | 7236.00         | 29.33          | 32.30          | 2.97          | 54.00          | 21.70       | AV  | Horizo | PASS    |
| 4  | 7236.00         | 37.63          | 40.60          | 2.97          | 74.00          | 33.40       | PK  | Horizo | PASS    |
| 5  | 9648.00         | 37.55          | 43.63          | 6.08          | 74.00          | 30.37       | PK  | Horizo | PASS    |
| 6  | 9648.00         | 29.91          | 35.99          | 6.08          | 54.00          | 18.01       | AV  | Horizo | PASS    |

## Test Report

### Project Information

|                |                                             |       |                  |
|----------------|---------------------------------------------|-------|------------------|
| Profile:       | 2520983R                                    | EUT:  | Smart Controller |
| Mode:          | Mode3:Transmit at 2412MHz by 802.11n(20MHz) | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                       | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                                |       |                  |

### Test Graph



### Suspected Data List

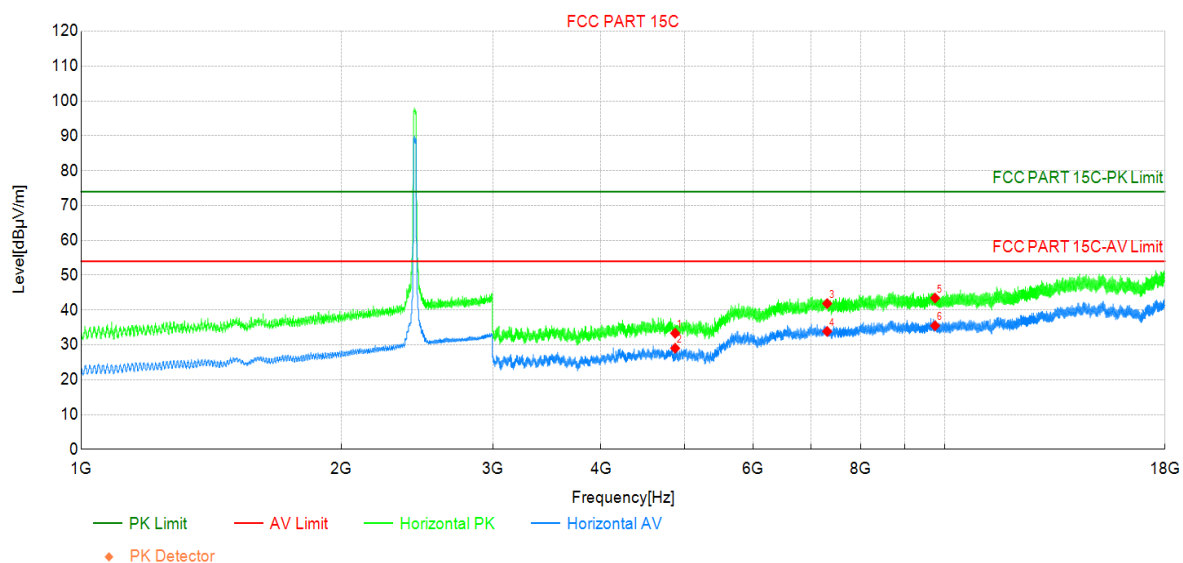
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4824.00         | 41.69          | 35.65          | -6.04         | 74.00          | 38.35       | PK  | Vertic | PASS    |
| 2  | 4824.00         | 34.72          | 28.68          | -6.04         | 54.00          | 25.32       | AV  | Vertic | PASS    |
| 3  | 7236.00         | 29.50          | 32.47          | 2.97          | 54.00          | 21.53       | AV  | Vertic | PASS    |
| 4  | 7236.00         | 37.66          | 40.63          | 2.97          | 74.00          | 33.37       | PK  | Vertic | PASS    |
| 5  | 9648.00         | 36.49          | 42.57          | 6.08          | 74.00          | 31.43       | PK  | Vertic | PASS    |
| 6  | 9648.00         | 30.82          | 36.90          | 6.08          | 54.00          | 17.10       | AV  | Vertic | PASS    |

## Test Report

### Project Information

|                |                                             |       |                  |
|----------------|---------------------------------------------|-------|------------------|
| Profile:       | 2520983R                                    | EUT:  | Smart Controller |
| Mode:          | Mode3:Transmit at 2437MHz by 802.11n(20MHz) | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                       | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                                |       |                  |

### Test Graph



### Suspected Data List

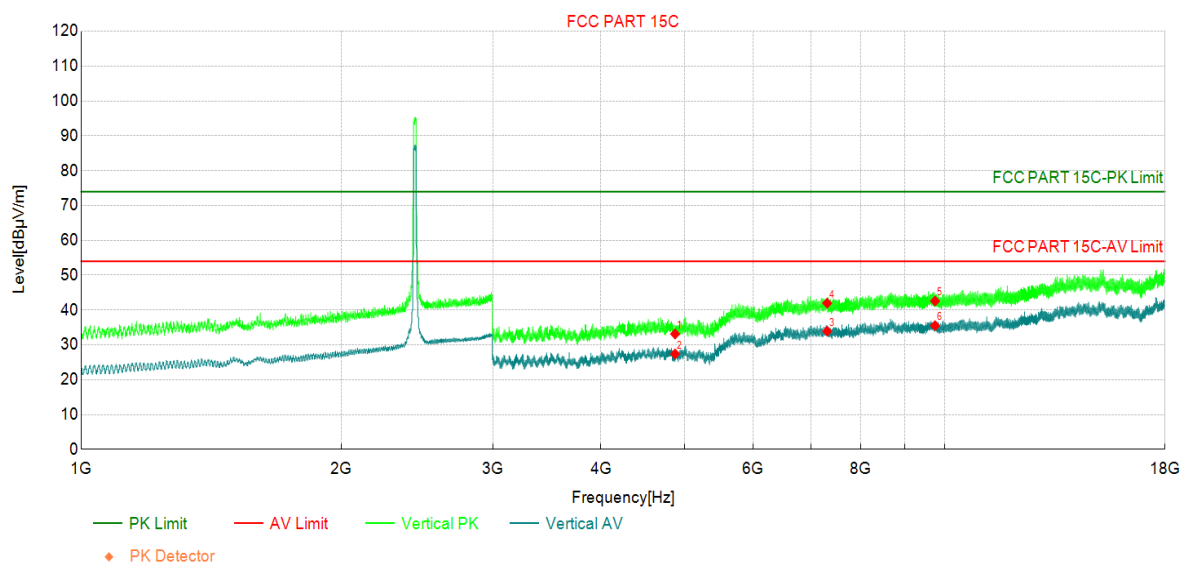
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4874.00         | 39.42          | 33.34          | -6.08         | 74.00          | 40.66       | PK  | Horizo | PASS    |
| 2  | 4874.00         | 35.11          | 29.03          | -6.08         | 54.00          | 24.97       | AV  | Horizo | PASS    |
| 3  | 7311.00         | 38.99          | 41.86          | 2.87          | 74.00          | 32.14       | PK  | Horizo | PASS    |
| 4  | 7311.00         | 30.98          | 33.85          | 2.87          | 54.00          | 20.15       | AV  | Horizo | PASS    |
| 5  | 9748.00         | 37.27          | 43.43          | 6.16          | 74.00          | 30.57       | PK  | Horizo | PASS    |
| 6  | 9748.00         | 29.33          | 35.49          | 6.16          | 54.00          | 18.51       | AV  | Horizo | PASS    |

## Test Report

### Project Information

|                |                                             |       |                  |
|----------------|---------------------------------------------|-------|------------------|
| Profile:       | 2520983R                                    | EUT:  | Smart Controller |
| Mode:          | Mode3:Transmit at 2437MHz by 802.11n(20MHz) | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                       | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                                |       |                  |

### Test Graph



### Suspected Data List

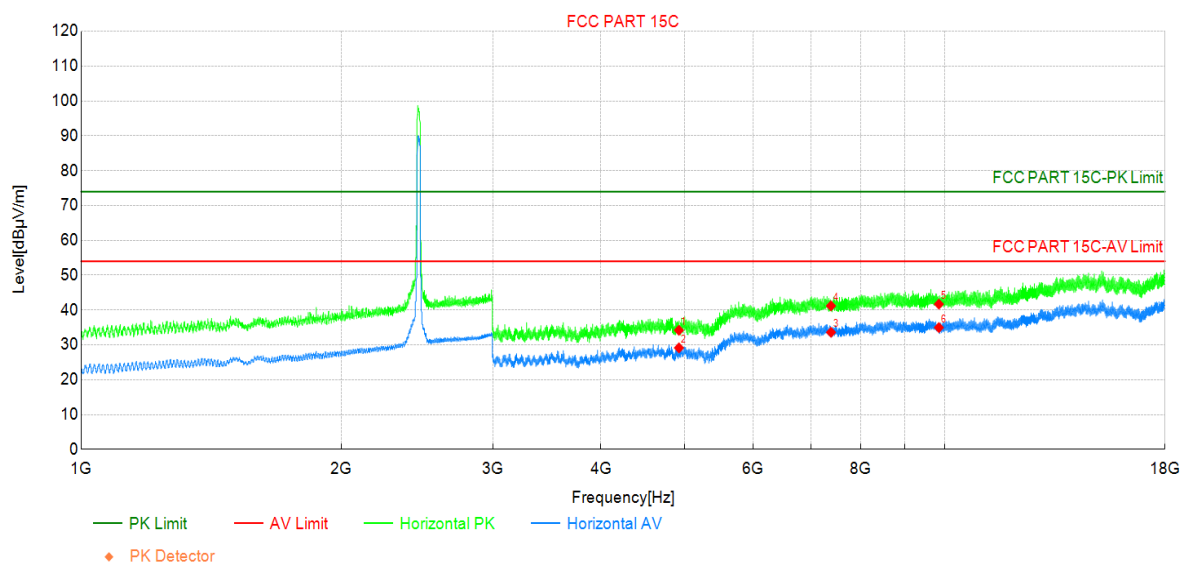
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4874.00         | 39.21          | 33.13          | -6.08         | 74.00          | 40.87       | PK  | Vertic | PASS    |
| 2  | 4874.00         | 33.48          | 27.40          | -6.08         | 54.00          | 26.60       | AV  | Vertic | PASS    |
| 3  | 7311.00         | 31.06          | 33.93          | 2.87          | 54.00          | 20.07       | AV  | Vertic | PASS    |
| 4  | 7311.00         | 39.10          | 41.97          | 2.87          | 74.00          | 32.03       | PK  | Vertic | PASS    |
| 5  | 9748.00         | 36.42          | 42.58          | 6.16          | 74.00          | 31.42       | PK  | Vertic | PASS    |
| 6  | 9748.00         | 29.34          | 35.50          | 6.16          | 54.00          | 18.50       | AV  | Vertic | PASS    |

## Test Report

### Project Information

|                |                                             |       |                  |
|----------------|---------------------------------------------|-------|------------------|
| Profile:       | 2520983R                                    | EUT:  | Smart Controller |
| Mode:          | Mode3:Transmit at 2462MHz by 802.11n(20MHz) | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                       | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                                |       |                  |

### Test Graph



### Suspected Data List

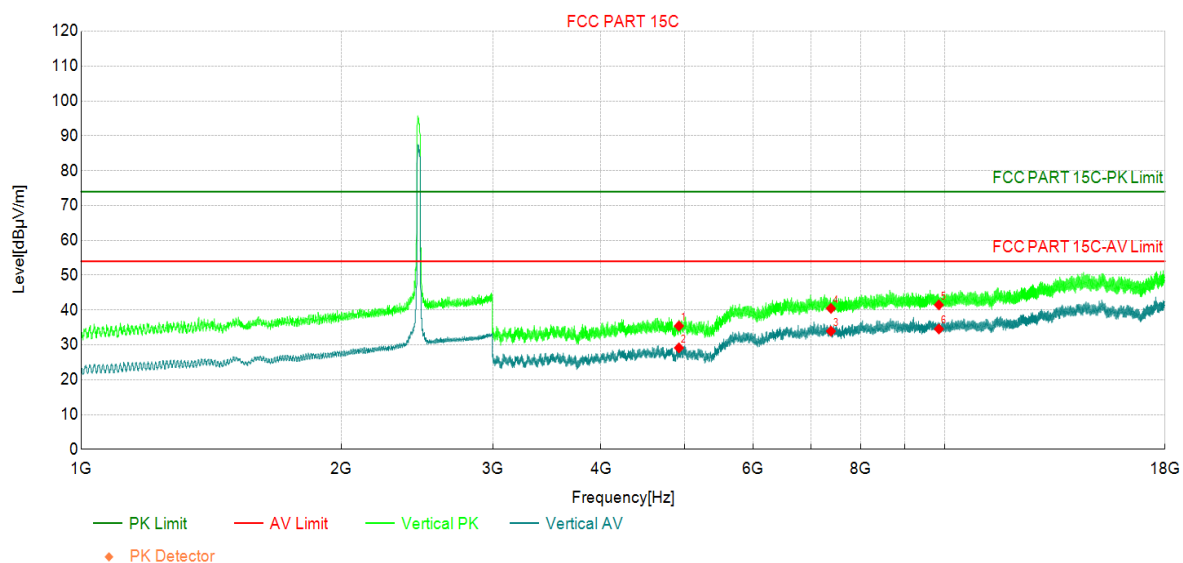
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4924.00         | 39.94          | 34.18          | -5.76         | 74.00          | 39.82       | PK  | Horizo | PASS    |
| 2  | 4924.00         | 34.90          | 29.14          | -5.76         | 54.00          | 24.86       | AV  | Horizo | PASS    |
| 3  | 7386.00         | 31.30          | 33.60          | 2.30          | 54.00          | 20.40       | AV  | Horizo | PASS    |
| 4  | 7386.00         | 38.89          | 41.19          | 2.30          | 74.00          | 32.81       | PK  | Horizo | PASS    |
| 5  | 9848.00         | 35.89          | 41.69          | 5.80          | 74.00          | 32.31       | PK  | Horizo | PASS    |
| 6  | 9848.00         | 29.16          | 34.96          | 5.80          | 54.00          | 19.04       | AV  | Horizo | PASS    |

## Test Report

### Project Information

|                |                                             |       |                  |
|----------------|---------------------------------------------|-------|------------------|
| Profile:       | 2520983R                                    | EUT:  | Smart Controller |
| Mode:          | Mode3:Transmit at 2462MHz by 802.11n(20MHz) | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                       | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                                |       |                  |

### Test Graph



### Suspected Data List

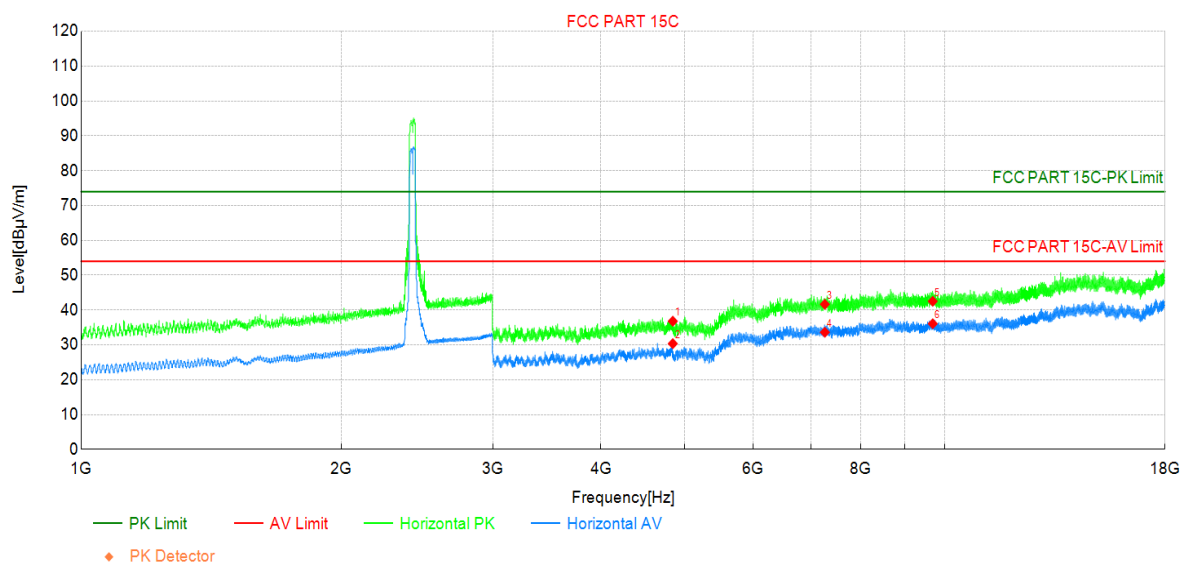
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4924.00         | 41.19          | 35.43          | -5.76         | 74.00          | 38.57       | PK  | Vertic | PASS    |
| 2  | 4924.00         | 34.89          | 29.13          | -5.76         | 54.00          | 24.87       | AV  | Vertic | PASS    |
| 3  | 7386.00         | 31.63          | 33.93          | 2.30          | 54.00          | 20.07       | AV  | Vertic | PASS    |
| 4  | 7386.00         | 38.17          | 40.47          | 2.30          | 74.00          | 33.53       | PK  | Vertic | PASS    |
| 5  | 9848.00         | 35.67          | 41.47          | 5.80          | 74.00          | 32.53       | PK  | Vertic | PASS    |
| 6  | 9848.00         | 28.76          | 34.56          | 5.80          | 54.00          | 19.44       | AV  | Vertic | PASS    |

## Test Report

### Project Information

|                |                                             |       |                  |
|----------------|---------------------------------------------|-------|------------------|
| Profile:       | 2520983R                                    | EUT:  | Smart Controller |
| Mode:          | Mode4:Transmit at 2422MHz by 802.11n(40MHz) | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                       | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                                |       |                  |

### Test Graph



### Suspected Data List

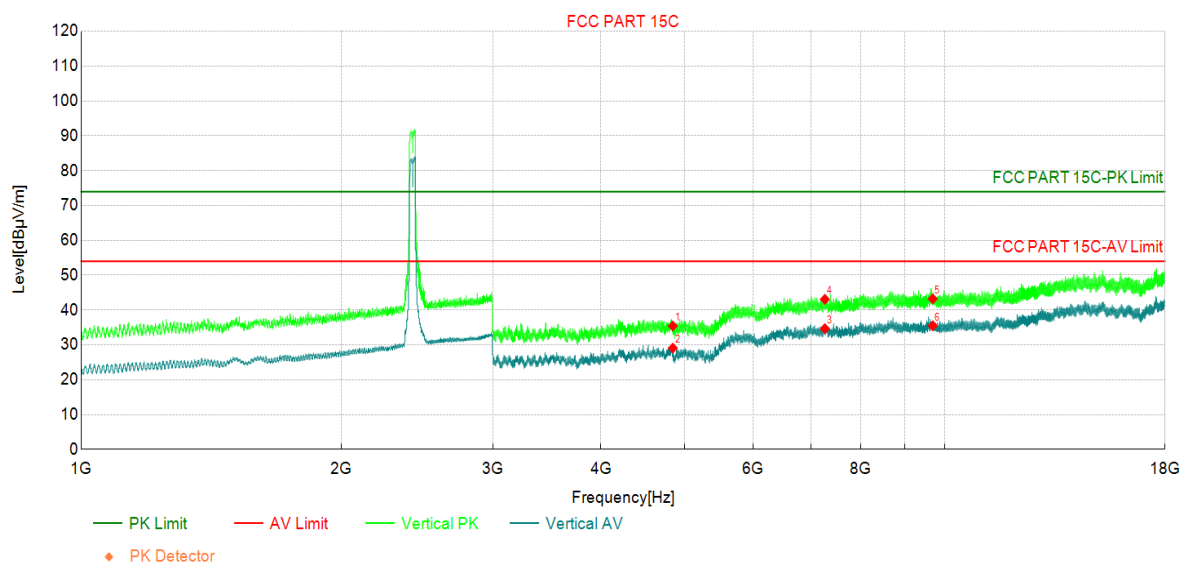
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4844.00         | 42.85          | 36.79          | -6.06         | 74.00          | 37.21       | PK  | Horizo | PASS    |
| 2  | 4844.00         | 36.41          | 30.35          | -6.06         | 54.00          | 23.65       | AV  | Horizo | PASS    |
| 3  | 7266.00         | 38.69          | 41.65          | 2.96          | 74.00          | 32.35       | PK  | Horizo | PASS    |
| 4  | 7266.00         | 30.66          | 33.62          | 2.96          | 54.00          | 20.38       | AV  | Horizo | PASS    |
| 5  | 9688.00         | 36.29          | 42.51          | 6.22          | 74.00          | 31.49       | PK  | Horizo | PASS    |
| 6  | 9688.00         | 29.84          | 36.06          | 6.22          | 54.00          | 17.94       | AV  | Horizo | PASS    |

## Test Report

### Project Information

|                |                                             |       |                  |
|----------------|---------------------------------------------|-------|------------------|
| Profile:       | 2520983R                                    | EUT:  | Smart Controller |
| Mode:          | Mode4:Transmit at 2422MHz by 802.11n(40MHz) | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                       | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                                |       |                  |

### Test Graph



### Suspected Data List

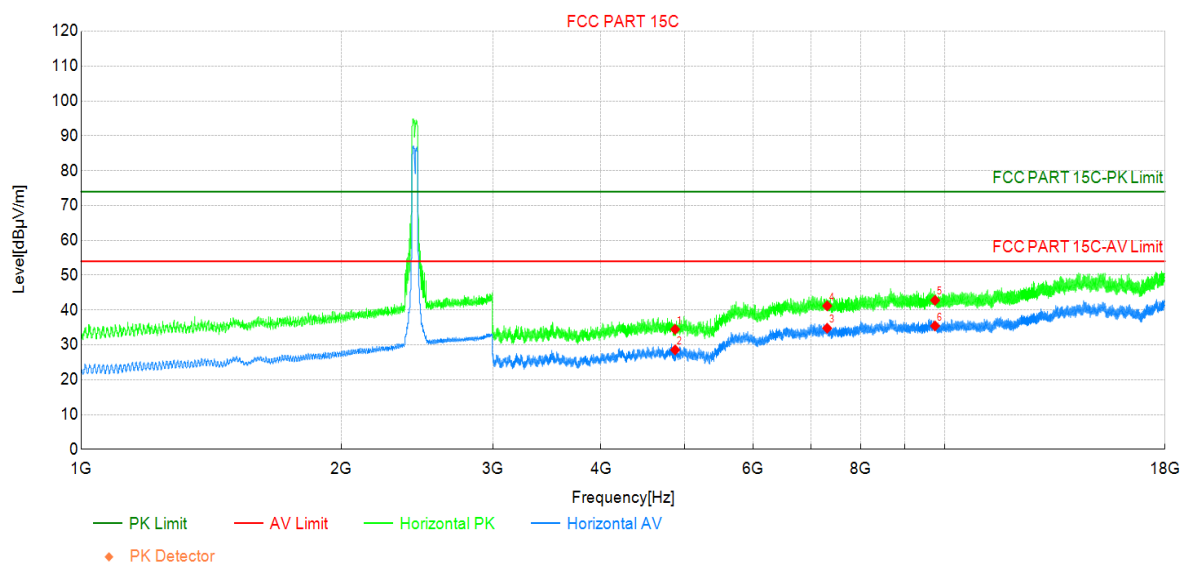
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4844.00         | 41.48          | 35.42          | -6.06         | 74.00          | 38.58       | PK  | Vertic | PASS    |
| 2  | 4844.00         | 35.11          | 29.05          | -6.06         | 54.00          | 24.95       | AV  | Vertic | PASS    |
| 3  | 7266.00         | 31.70          | 34.66          | 2.96          | 54.00          | 19.34       | AV  | Vertic | PASS    |
| 4  | 7266.00         | 40.12          | 43.08          | 2.96          | 74.00          | 30.92       | PK  | Vertic | PASS    |
| 5  | 9688.00         | 36.96          | 43.18          | 6.22          | 74.00          | 30.82       | PK  | Vertic | PASS    |
| 6  | 9688.00         | 29.25          | 35.47          | 6.22          | 54.00          | 18.53       | AV  | Vertic | PASS    |

## Test Report

### Project Information

|                |                                             |       |                  |
|----------------|---------------------------------------------|-------|------------------|
| Profile:       | 2520983R                                    | EUT:  | Smart Controller |
| Mode:          | Mode4:Transmit at 2437MHz by 802.11n(40MHz) | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                       | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                                |       |                  |

### Test Graph



### Suspected Data List

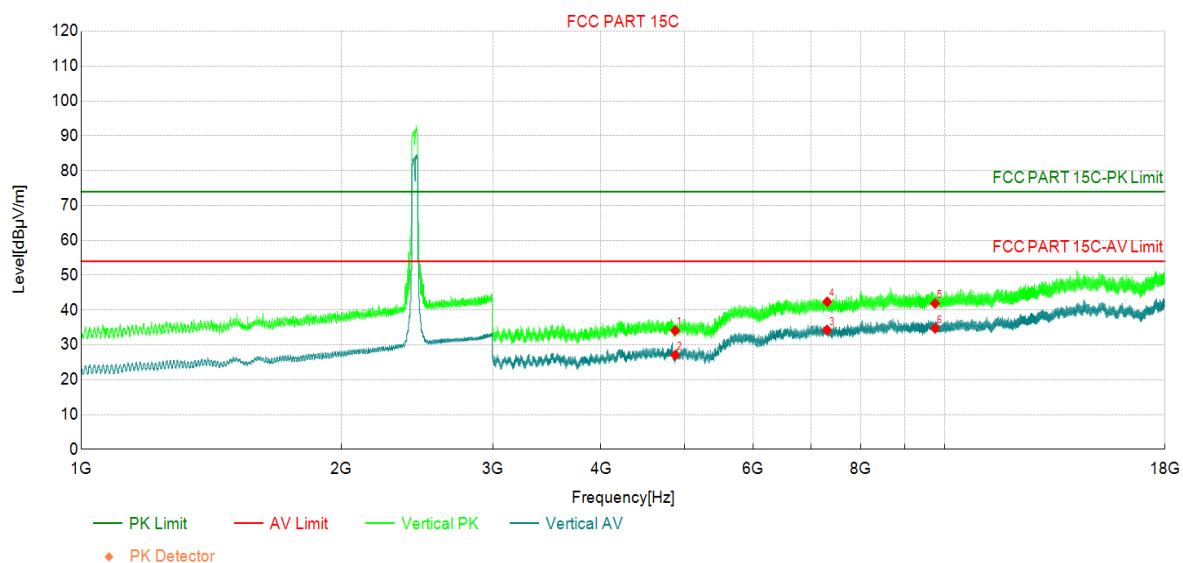
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4874.00         | 40.55          | 34.47          | -6.08         | 74.00          | 39.53       | PK  | Horizo | PASS    |
| 2  | 4874.00         | 34.63          | 28.55          | -6.08         | 54.00          | 25.45       | AV  | Horizo | PASS    |
| 3  | 7311.00         | 31.90          | 34.77          | 2.87          | 54.00          | 19.23       | AV  | Horizo | PASS    |
| 4  | 7311.00         | 38.32          | 41.19          | 2.87          | 74.00          | 32.81       | PK  | Horizo | PASS    |
| 5  | 9748.00         | 36.63          | 42.79          | 6.16          | 74.00          | 31.21       | PK  | Horizo | PASS    |
| 6  | 9748.00         | 29.28          | 35.44          | 6.16          | 54.00          | 18.56       | AV  | Horizo | PASS    |

## Test Report

### Project Information

|                |                                             |       |                  |
|----------------|---------------------------------------------|-------|------------------|
| Profile:       | 2520983R                                    | EUT:  | Smart Controller |
| Mode:          | Mode4:Transmit at 2437MHz by 802.11n(40MHz) | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                       | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                                |       |                  |

### Test Graph



### Suspected Data List

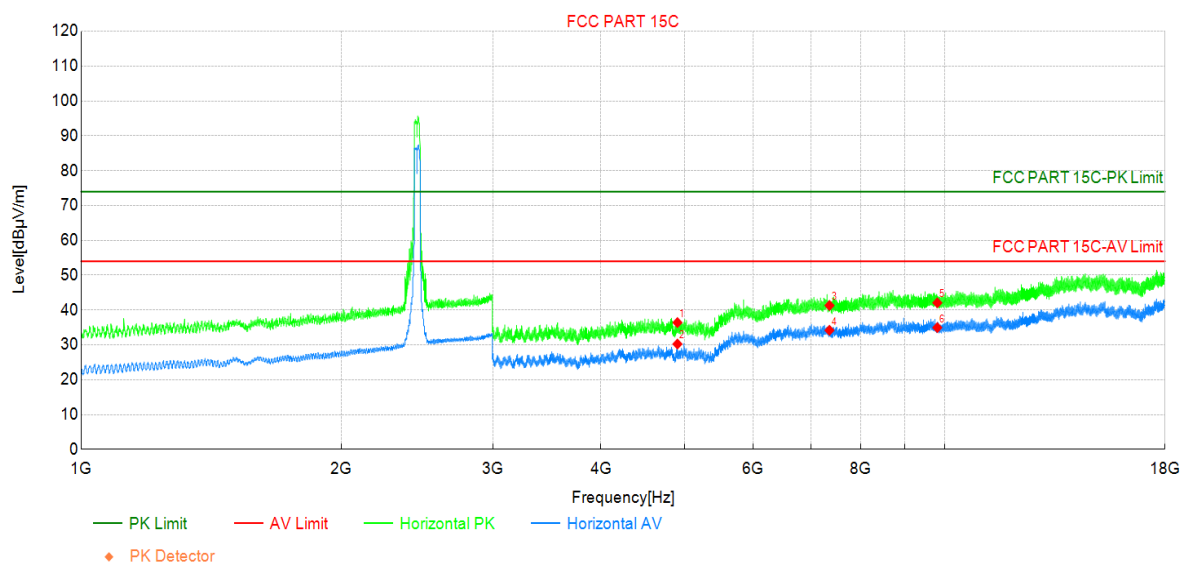
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4874.00         | 40.17          | 34.09          | -6.08         | 74.00          | 39.91       | PK  | Vertic | PASS    |
| 2  | 4874.00         | 33.17          | 27.09          | -6.08         | 54.00          | 26.91       | AV  | Vertic | PASS    |
| 3  | 7311.00         | 31.36          | 34.23          | 2.87          | 54.00          | 19.77       | AV  | Vertic | PASS    |
| 4  | 7311.00         | 39.48          | 42.35          | 2.87          | 74.00          | 31.65       | PK  | Vertic | PASS    |
| 5  | 9748.00         | 35.72          | 41.88          | 6.16          | 74.00          | 32.12       | PK  | Vertic | PASS    |
| 6  | 9748.00         | 28.56          | 34.72          | 6.16          | 54.00          | 19.28       | AV  | Vertic | PASS    |

## Test Report

### Project Information

|                |                                             |       |                  |
|----------------|---------------------------------------------|-------|------------------|
| Profile:       | 2520983R                                    | EUT:  | Smart Controller |
| Mode:          | Mode4:Transmit at 2452MHz by 802.11n(40MHz) | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                       | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                                |       |                  |

### Test Graph



### Suspected Data List

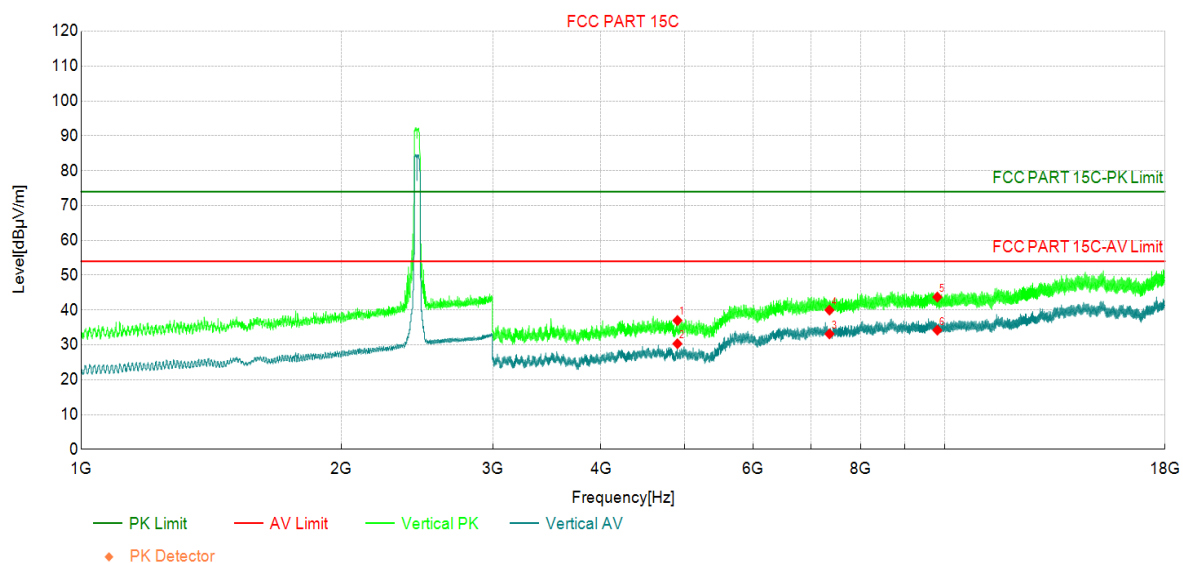
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4904.00         | 42.42          | 36.39          | -6.03         | 74.00          | 37.61       | PK  | Horizo | PASS    |
| 2  | 4904.00         | 36.26          | 30.23          | -6.03         | 54.00          | 23.77       | AV  | Horizo | PASS    |
| 3  | 7356.00         | 38.77          | 41.30          | 2.53          | 74.00          | 32.70       | PK  | Horizo | PASS    |
| 4  | 7356.00         | 31.65          | 34.18          | 2.53          | 54.00          | 19.82       | AV  | Horizo | PASS    |
| 5  | 9808.00         | 36.06          | 42.06          | 6.00          | 74.00          | 31.94       | PK  | Horizo | PASS    |
| 6  | 9808.00         | 28.95          | 34.95          | 6.00          | 54.00          | 19.05       | AV  | Horizo | PASS    |

## Test Report

### Project Information

|                |                                             |       |                  |
|----------------|---------------------------------------------|-------|------------------|
| Profile:       | 2520983R                                    | EUT:  | Smart Controller |
| Mode:          | Mode4:Transmit at 2452MHz by 802.11n(40MHz) | Volta | 120 Vac / 60 Hz  |
| Environment:   | Temp: 25°C ; Humi:60%                       | Engi  | Reyn Chen        |
| Test Standard: | FCC PART 15C                                |       |                  |

### Test Graph

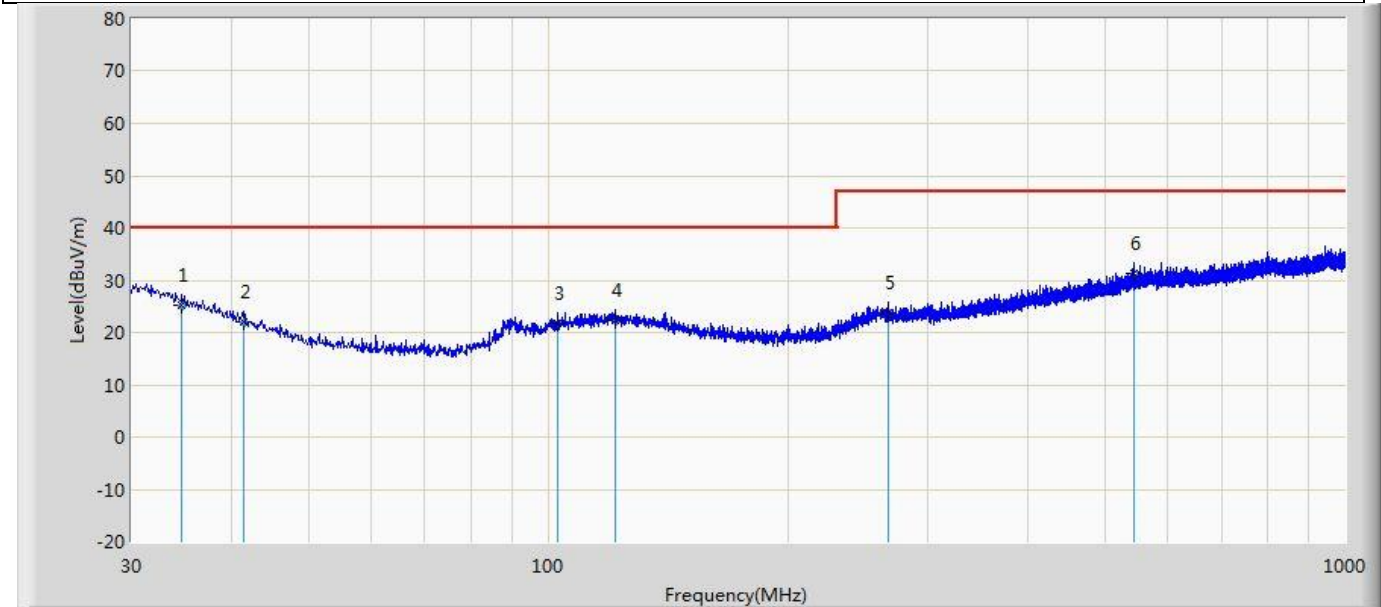


### Suspected Data List

| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4904.00         | 43.03          | 37.00          | -6.03         | 74.00          | 37.00       | PK  | Vertic | PASS    |
| 2  | 4904.00         | 36.35          | 30.32          | -6.03         | 54.00          | 23.68       | AV  | Vertic | PASS    |
| 3  | 7356.00         | 30.61          | 33.14          | 2.53          | 54.00          | 20.86       | AV  | Vertic | PASS    |
| 4  | 7356.00         | 37.44          | 39.97          | 2.53          | 74.00          | 34.03       | PK  | Vertic | PASS    |
| 5  | 9808.00         | 37.72          | 43.72          | 6.00          | 74.00          | 30.28       | PK  | Vertic | PASS    |
| 6  | 9808.00         | 28.21          | 34.21          | 6.00          | 54.00          | 19.79       | AV  | Vertic | PASS    |

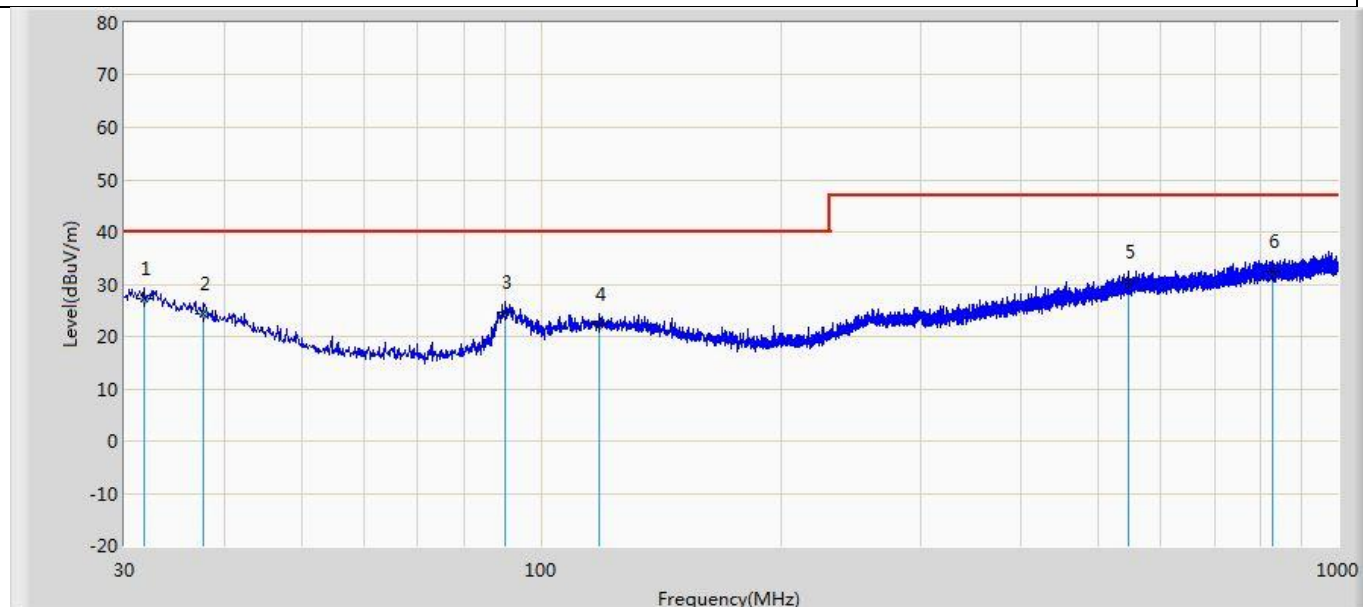
The worst case of Radiated Emission below 1GHz :

|                                   |                        |
|-----------------------------------|------------------------|
| Profile: 2520983R                 | Page No.: 3            |
| Engineer: Yuliu                   |                        |
| Site: AC2                         | Time: 2025/03/26       |
| Limit: EN 55032_RE (3m)_Class B   | Margin: 0              |
| Probe: CBL6112D_27613(30-1000MHz) | Polarity: Horizontal   |
| EUT: Smart Controller             | Power: 120 Vac / 60 Hz |
| Note: Transmit by 802.11b         |                        |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 34.729          | 25.202                 | 2.662                | -14.798         | 40.000         | 22.540      | QP   |
| 2  |      | 41.519          | 21.966                 | 3.142                | -18.034         | 40.000         | 18.824      | QP   |
| 3  |      | 102.750         | 21.639                 | 3.127                | -18.361         | 40.000         | 18.512      | QP   |
| 4  |      | 121.665         | 22.232                 | 2.793                | -17.768         | 40.000         | 19.439      | QP   |
| 5  |      | 266.801         | 23.853                 | 3.264                | -23.147         | 47.000         | 20.589      | QP   |
| 6  |      | 543.979         | 31.306                 | 4.313                | -15.694         | 47.000         | 26.994      | QP   |

|                                   |                        |
|-----------------------------------|------------------------|
| Profile: 2520983R                 | Page No.: 4            |
| Engineer: Yuliu                   |                        |
| Site: AC2                         | Time: 2025/03/26       |
| Limit: EN 55032_RE (3m)_Class B   | Margin: 0              |
| Probe: CBL6112D_27613(30-1000MHz) | Polarity: Vertical     |
| EUT: Smart Controller             | Power: 120 Vac / 60 Hz |
| Note: Transmit by 802.11b         |                        |



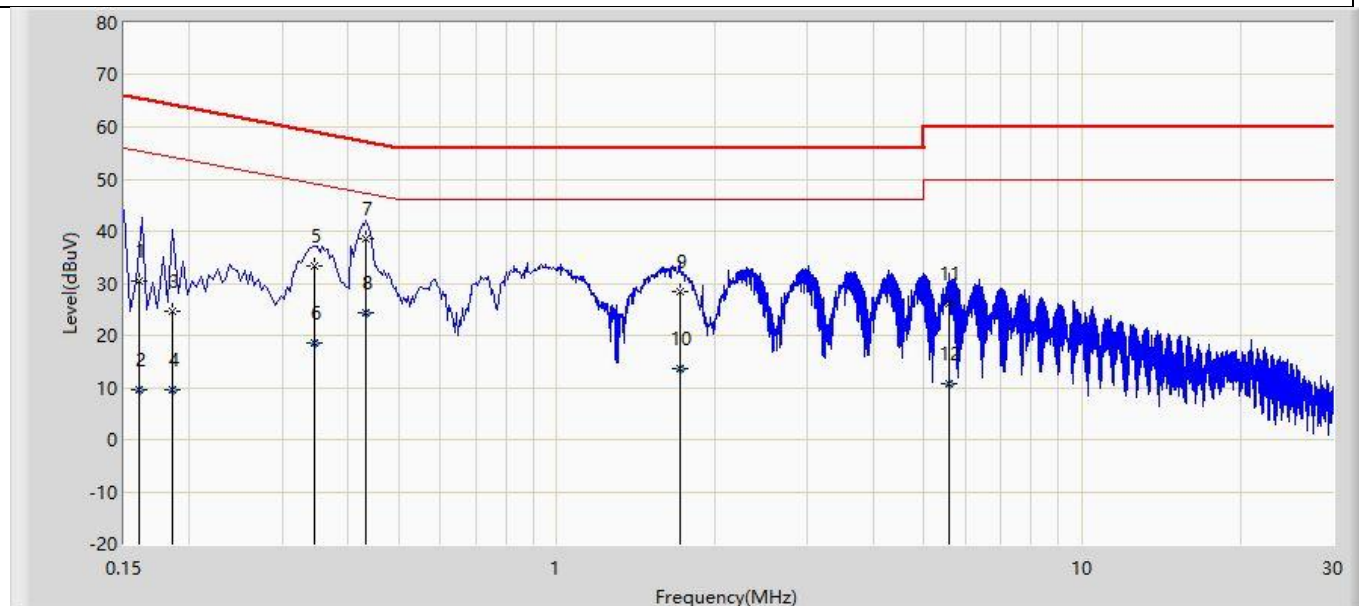
| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 31.698          | 27.296                 | 3.163                | -12.704         | 40.000         | 24.134      | QP   |
| 2  |      | 37.760          | 24.354                 | 3.510                | -15.646         | 40.000         | 20.844      | QP   |
| 3  |      | 90.261          | 24.593                 | 8.524                | -15.407         | 40.000         | 16.070      | QP   |
| 4  |      | 118.391         | 22.304                 | 2.874                | -17.696         | 40.000         | 19.429      | QP   |
| 5  |      | 545.312         | 30.326                 | 3.292                | -16.674         | 47.000         | 27.034      | QP   |
| 6  |      | 829.037         | 32.545                 | 3.236                | -14.455         | 47.000         | 29.308      | QP   |

**Note:**

1. " \* ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)
3. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
4. If the test result on peak is lower than average limit, then average measurement needn't be performed.
5. All test data above 18GHz are noise base, so no data shown in this report.
6. In the report, below 1G, only the verification test is carried out for the worst channel of 1~18G worst mode.
7. The below 1G test data was measured on the worst-case configuration selected from each transmission mode on the low and high channel.

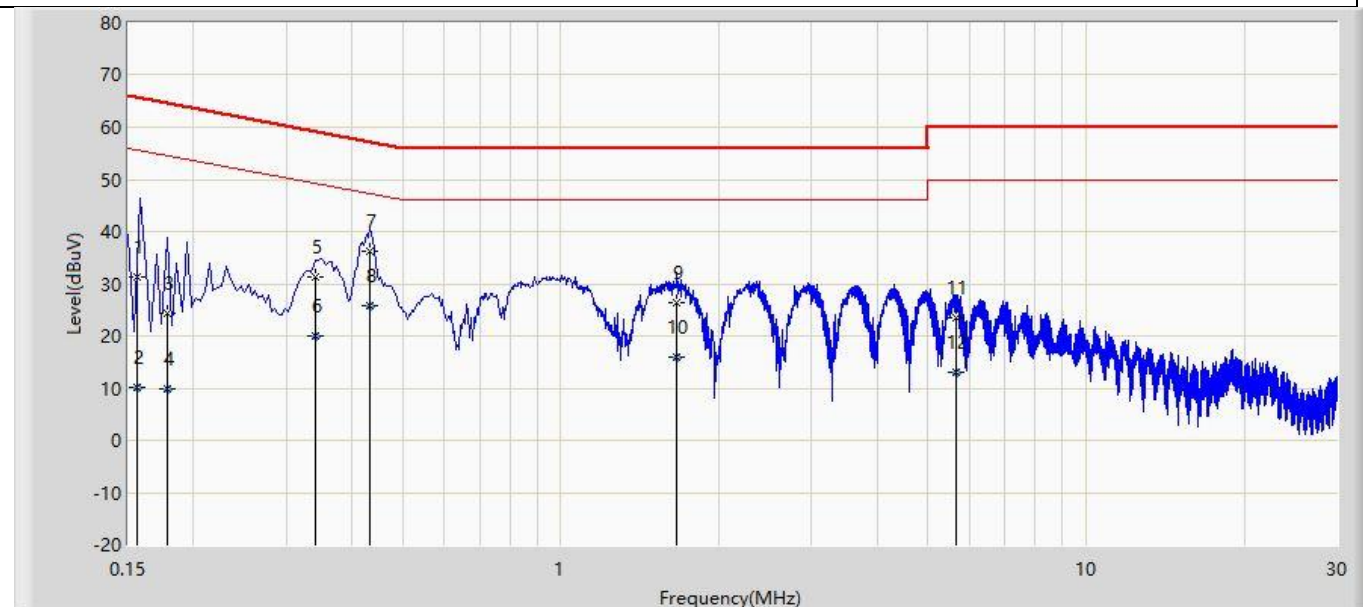
## Appendix H: AC Power Line Conducted Emission

|                                   |                        |
|-----------------------------------|------------------------|
| Profile: 2520983R                 | Page No.: 5            |
| Engineer: Yu Liu                  |                        |
| Site: TR1                         | Time: 2025/03/26       |
| Limit: FCC_Part 15.207            | Margin: 0              |
| Probe: ENV216_101189(0.009-30MHz) | Polarity: Line         |
| EUT: Smart Controller             | Power: 120 Vac / 60 Hz |
| Note: Transmit by 802.11b         |                        |



| No | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  |      | 0.160           | 30.388               | 20.683               | -35.061         | 65.449       | 9.705       | QP   |
| 2  |      | 0.160           | 9.613                | -0.093               | -45.836         | 55.449       | 9.705       | AV   |
| 3  |      | 0.186           | 24.736               | 15.039               | -39.478         | 64.213       | 9.696       | QP   |
| 4  |      | 0.186           | 9.607                | -0.089               | -44.606         | 54.213       | 9.696       | AV   |
| 5  |      | 0.346           | 33.382               | 23.663               | -25.676         | 59.058       | 9.719       | QP   |
| 6  |      | 0.346           | 18.641               | 8.922                | -30.417         | 49.058       | 9.719       | AV   |
| 7  | *    | 0.434           | 38.426               | 28.691               | -18.750         | 57.176       | 9.736       | QP   |
| 8  |      | 0.434           | 24.401               | 14.666               | -22.775         | 47.176       | 9.736       | AV   |
| 9  |      | 1.714           | 28.266               | 18.476               | -27.734         | 56.000       | 9.790       | QP   |
| 10 |      | 1.714           | 13.597               | 3.808                | -32.403         | 46.000       | 9.790       | AV   |
| 11 |      | 5.582           | 26.071               | 16.204               | -33.929         | 60.000       | 9.867       | QP   |
| 12 |      | 5.582           | 10.777               | 0.910                | -39.223         | 50.000       | 9.867       | AV   |

|                                   |                        |
|-----------------------------------|------------------------|
| Profile: 2520983R                 | Page No.: 6            |
| Engineer: Yu Liu                  |                        |
| Site: TR1                         | Time: 2025/03/26       |
| Limit: FCC_Part 15.207            | Margin: 0              |
| Probe: ENV216_101189(0.009-30MHz) | Polarity: Neutral      |
| EUT: Smart Controller             | Power: 120 Vac / 60 Hz |
| Note: Transmit by 802.11b         |                        |



| No | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  |      | 0.156           | 31.175               | 21.446               | -34.481         | 65.656       | 9.728       | QP   |
| 2  |      | 0.156           | 10.201               | 0.472                | -45.455         | 55.656       | 9.728       | AV   |
| 3  |      | 0.178           | 24.309               | 14.602               | -40.270         | 64.578       | 9.707       | QP   |
| 4  |      | 0.178           | 9.887                | 0.180                | -44.692         | 54.578       | 9.707       | AV   |
| 5  |      | 0.342           | 31.173               | 21.513               | -27.981         | 59.155       | 9.660       | QP   |
| 6  |      | 0.342           | 20.029               | 10.369               | -29.125         | 49.155       | 9.660       | AV   |
| 7  | *    | 0.434           | 36.184               | 26.537               | -20.992         | 57.176       | 9.647       | QP   |
| 8  |      | 0.434           | 25.927               | 16.280               | -21.249         | 47.176       | 9.647       | AV   |
| 9  |      | 1.662           | 26.433               | 16.699               | -29.567         | 56.000       | 9.734       | QP   |
| 10 |      | 1.662           | 15.951               | 6.217                | -30.049         | 46.000       | 9.734       | AV   |
| 11 |      | 5.646           | 23.533               | 13.658               | -36.467         | 60.000       | 9.875       | QP   |
| 12 |      | 5.646           | 13.100               | 3.225                | -36.900         | 50.000       | 9.875       | AV   |

Note:

1. " \* ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

The End