

## FCC 2.4GHz Power Table-Radio 1



|                              |                 |            |                 |                                |                              |                            |                       |             |
|------------------------------|-----------------|------------|-----------------|--------------------------------|------------------------------|----------------------------|-----------------------|-------------|
| Standard:                    | FCC Part 15.247 | Test Date: | 2019.10.21      | Temperature:                   | 25°C                         | Humidity:                  | 55%RH                 |             |
| Project No.:                 | 19A2144R        |            |                 | Product Name:                  | Wireless Access point        | Model Name:                | AP460C Test Site: TR8 |             |
| Antenna Gain(dBi)            | Ant 4           | 3.74       |                 |                                |                              |                            |                       |             |
| Operating temperature range: | Low             | -40°C      | Nor             | 25°C                           | High                         | 60°C                       | Test Engineer Pawn    |             |
| Antenna Technology:          | SISO            |            |                 |                                |                              |                            |                       |             |
| Mode:                        | 802.11b         | Data Rate: | 1Mbps           | Conducted power SISO mode      |                              |                            |                       | Power Index |
| Test Conditions              |                 | Channel    | Frequency (MHz) | Ant 4 Reading Level Avg. (dBm) | Total Power Ant 4 Avg. (dBm) | Limit Avg. (dBm) Pass/Fail |                       |             |
| Tnom (25 °C)                 | Vnom (120V)     | 1          | 2412            | 22.16                          | 22.16                        | 30                         | Pass                  | Ant 4 0     |
|                              |                 | 2          | 2417            | 22.44                          | 22.44                        | 30                         | Pass                  | 0           |
|                              |                 | 6          | 2437            | 22.68                          | 22.68                        | 30                         | Pass                  | 0           |
|                              |                 | 10         | 2457            | 22.79                          | 22.79                        | 30                         | Pass                  | 0           |
|                              |                 | 11         | 2462            | 22.20                          | 22.20                        | 30                         | Pass                  | 1           |
| Mode:                        | 802.11g         | Data Rate: | 6Mbps           | Conducted power SISO mode      |                              |                            |                       | Power Index |
| Test Conditions              |                 | Channel    | Frequency (MHz) | Ant 4 Reading Level Avg. (dBm) | Total Power Ant 4 Avg. (dBm) | Limit Avg. (dBm) Pass/Fail |                       |             |
| Tnom (25 °C)                 | Vnom (120V)     | 1          | 2412            | 20.62                          | 20.62                        | 30                         | Pass                  | Ant 4 80    |
|                              |                 | 2          | 2417            | 20.84                          | 20.84                        | 30                         | Pass                  | 80          |
|                              |                 | 6          | 2437            | 20.78                          | 20.78                        | 30                         | Pass                  | 80          |
|                              |                 | 10         | 2457            | 20.83                          | 20.83                        | 30                         | Pass                  | 80          |
|                              |                 | 11         | 2462            | 20.01                          | 20.01                        | 30                         | Pass                  | 76          |
| Mode:                        | 802.11n(20MHz)  | Data Rate: | MCS0            | Conducted power SISO mode      |                              |                            |                       | Power Index |
| Test Conditions              |                 | Channel    | Frequency (MHz) | Ant 4 Reading Level Avg. (dBm) | Total Power Ant 4 Avg. (dBm) | Limit Avg. (dBm) Pass/Fail |                       |             |
| Tnom (25 °C)                 | Vnom (120V)     | 1          | 2412            | 20.67                          | 20.67                        | 30                         | Pass                  | Ant 4 80    |
|                              |                 | 2          | 2417            | 20.80                          | 20.80                        | 30                         | Pass                  | 80          |
|                              |                 | 6          | 2437            | 20.71                          | 20.71                        | 30                         | Pass                  | 80          |
|                              |                 | 10         | 2457            | 20.85                          | 20.85                        | 30                         | Pass                  | 80          |
|                              |                 | 11         | 2462            | 19.66                          | 19.66                        | 30                         | Pass                  | 75          |
| Mode:                        | 802.11ax(20MHz) | Data Rate: | HEONSS1         | Conducted power SISO mode      |                              |                            |                       | Power Index |
| Test Conditions              |                 | Channel    | Frequency (MHz) | Ant 4 Reading Level Avg. (dBm) | Total Power Ant 4 Avg. (dBm) | Limit Avg. (dBm) Pass/Fail |                       |             |
| Tnom (25 °C)                 | Vnom (120V)     | 1          | 2412            | 21.22                          | 21.22                        | 30                         | Pass                  | Ant 4 80    |
|                              |                 | 2          | 2417            | 21.19                          | 21.19                        | 30                         | Pass                  | 80          |
|                              |                 | 6          | 2437            | 21.34                          | 21.34                        | 30                         | Pass                  | 80          |
|                              |                 | 10         | 2457            | 21.25                          | 21.25                        | 30                         | Pass                  | 80          |
|                              |                 | 11         | 2462            | 19.52                          | 19.52                        | 30                         | Pass                  | 73          |

## FCC 2.4GHz Power Table- Radio 2



| Standard:                       | FCC Part 15.247 | Test Date:      | 2019.10.21                       | Temperature:                       | 25°C                          | Humidity:   | 55%RH                  |             |       |    |    |
|---------------------------------|-----------------|-----------------|----------------------------------|------------------------------------|-------------------------------|-------------|------------------------|-------------|-------|----|----|
| Project No.:                    | 19A2144R        |                 |                                  | Product Name:                      | Wireless Access point         | Model Name: | AP460C                 | Test Site:  | TR8   |    |    |
| Antenna Gain(dBi)               | Ant 1           | 2.94            | Ant 2                            | 3.24                               |                               |             |                        |             |       |    |    |
| CDD-Directional Gain-Power(dBi) | 3.24            |                 |                                  |                                    |                               |             |                        |             |       |    |    |
| BF-Directional Gain-Power(dBi)  | 6.25            |                 |                                  |                                    |                               |             |                        |             |       |    |    |
| Operating temperature range:    | Low             | -40°C           | Nor                              | 25°C                               | High                          | 60°C        | Test Engineer          | Pawn        |       |    |    |
| Antenna Technology:             | SISO            |                 |                                  |                                    |                               |             |                        |             |       |    |    |
| Mode:                           | 802.11b         | Data Rate:      | 1Mbps                            | Conducted power SISO mode          |                               |             |                        | Power Index |       |    |    |
| Test Conditions                 | Channel         | Frequency (MHz) | Ant1 Reading Level Avg. (dBm)    |                                    | Ant2 Reading Level Avg. (dBm) |             | Total Power Avg. (dBm) |             | Limit |    |    |
|                                 |                 |                 | Ant1                             | Ant2                               | Ant1                          | Ant2        | Pass/Fail              | Ant 1       | Ant 2 |    |    |
| Tnom (25 °C)                    | Vnom (120V)     | 1               | 2412                             | 21.59                              | 21.27                         | 21.59       | 21.27                  | 30          | Pass  | 0  | 0  |
|                                 |                 | 2               | 2417                             | 21.73                              | 21.36                         | 21.73       | 21.36                  | 30          | Pass  | 0  | 0  |
|                                 |                 | 6               | 2437                             | 21.58                              | 21.40                         | 21.58       | 21.40                  | 30          | Pass  | 0  | 0  |
|                                 |                 | 10              | 2457                             | 22.00                              | 21.69                         | 22.00       | 21.69                  | 30          | Pass  | 0  | 0  |
|                                 |                 | 11              | 2462                             | 21.65                              | 21.00                         | 21.65       | 21.00                  | 30          | Pass  | 1  | 1  |
| Mode:                           | 802.11g         | Data Rate:      | 6Mbps                            | Conducted power SISO mode          |                               |             |                        | Power Index |       |    |    |
| Test Conditions                 | Channel         | Frequency (MHz) | Ant1 Reading Level Avg. (dBm)    |                                    | Ant2 Reading Level Avg. (dBm) |             | Total Power Avg. (dBm) |             | Limit |    |    |
|                                 |                 |                 | Ant1                             | Ant2                               | Ant1                          | Ant2        | Pass/Fail              | Ant 1       | Ant 2 |    |    |
| Tnom (25 °C)                    | Vnom (120V)     | 1               | 2412                             | 20.03                              | 19.59                         | 20.03       | 19.59                  | 30          | Pass  | 80 | 80 |
|                                 |                 | 2               | 2417                             | 20.19                              | 19.73                         | 20.19       | 19.73                  | 30          | Pass  | 80 | 80 |
|                                 |                 | 6               | 2437                             | 20.35                              | 19.92                         | 20.35       | 19.92                  | 30          | Pass  | 80 | 80 |
|                                 |                 | 10              | 2457                             | 20.33                              | 19.79                         | 20.33       | 19.79                  | 30          | Pass  | 80 | 80 |
|                                 |                 | 11              | 2462                             | 18.52                              | 18.16                         | 18.52       | 18.16                  | 30          | Pass  | 73 | 73 |
| Mode:                           | 802.11n(20MHz)  | Data Rate:      | MCS0                             | Conducted power SISO mode          |                               |             |                        | Power Index |       |    |    |
| Test Conditions                 | Channel         | Frequency (MHz) | Ant1 Reading Level Avg. (dBm)    |                                    | Ant2 Reading Level Avg. (dBm) |             | Total Power Avg. (dBm) |             | Limit |    |    |
|                                 |                 |                 | Ant1                             | Ant2                               | Ant1                          | Ant2        | Pass/Fail              | Ant 1       | Ant 2 |    |    |
| Tnom (25 °C)                    | Vnom (120V)     | 1               | 2412                             | 19.93                              | 19.52                         | 19.93       | 19.52                  | 30          | Pass  | 80 | 80 |
|                                 |                 | 2               | 2417                             | 20.16                              | 19.65                         | 20.16       | 19.65                  | 30          | Pass  | 80 | 80 |
|                                 |                 | 6               | 2437                             | 20.51                              | 19.87                         | 20.51       | 19.87                  | 30          | Pass  | 80 | 80 |
|                                 |                 | 10              | 2457                             | 20.28                              | 19.58                         | 20.28       | 19.58                  | 30          | Pass  | 80 | 80 |
|                                 |                 | 11              | 2462                             | 18.77                              | 18.23                         | 18.77       | 18.23                  | 30          | Pass  | 74 | 74 |
| Mode:                           | 802.11ax(20MHz) | Data Rate:      | HE0NSS1                          | Conducted power SISO mode          |                               |             |                        | Power Index |       |    |    |
| Test Conditions                 | Channel         | Frequency (MHz) | Ant1 Reading Level Avg. (dBm)    |                                    | Ant2 Reading Level Avg. (dBm) |             | Total Power Avg. (dBm) |             | Limit |    |    |
|                                 |                 |                 | Ant1                             | Ant2                               | Ant1                          | Ant2        | Pass/Fail              | Ant 1       | Ant 2 |    |    |
| Tnom (25 °C)                    | Vnom (120V)     | 1               | 2412                             | 20.05                              | 19.64                         | 20.05       | 19.64                  | 30          | Pass  | 79 | 79 |
|                                 |                 | 2               | 2417                             | 20.41                              | 19.67                         | 20.41       | 19.67                  | 30          | Pass  | 80 | 80 |
|                                 |                 | 6               | 2437                             | 20.88                              | 20.37                         | 20.88       | 20.37                  | 30          | Pass  | 80 | 80 |
|                                 |                 | 10              | 2457                             | 21.01                              | 20.49                         | 21.01       | 20.49                  | 30          | Pass  | 80 | 80 |
|                                 |                 | 11              | 2462                             | 18.21                              | 17.83                         | 18.21       | 17.83                  | 30          | Pass  | 70 | 70 |
| Antenna Technology:             | CDD             |                 |                                  |                                    |                               |             |                        |             |       |    |    |
| Mode:                           | 802.11b         | Data Rate:      | 1Mbps                            | Conducted power MIMO Mode(2TX+2RX) |                               |             |                        | Power Index |       |    |    |
| Test Conditions                 | Channel         | Frequency (MHz) | Ant 1+2 Reading Level Avg. (dBm) |                                    | Total Power Avg. (dBm)        |             | Limit                  |             |       |    |    |
|                                 |                 |                 | Ant1                             | Ant2                               | Ant1                          | Ant2        | Pass/Fail              | Ant 1       | Ant 2 |    |    |
| Tnom (25 °C)                    | Vnom (120V)     | 1               | 2412                             | 21.73                              | 21.33                         | 24.54       | 30                     | Pass        | 0     | 0  |    |
|                                 |                 | 2               | 2417                             | 21.64                              | 21.24                         | 24.45       | 30                     | Pass        | 0     | 0  |    |
|                                 |                 | 6               | 2437                             | 21.75                              | 21.30                         | 24.54       | 30                     | Pass        | 0     | 0  |    |
|                                 |                 | 10              | 2457                             | 22.11                              | 21.47                         | 24.81       | 30                     | Pass        | 0     | 0  |    |
|                                 |                 | 11              | 2462                             | 21.69                              | 21.40                         | 24.56       | 30                     | Pass        | 0     | 0  |    |
| Mode:                           | 802.11g         | Data Rate:      | 6Mbps                            | Conducted power MIMO Mode(2TX+2RX) |                               |             |                        | Power Index |       |    |    |
| Test Conditions                 | Channel         | Frequency (MHz) | Ant 1+2 Reading Level Avg. (dBm) |                                    | Total Power Avg. (dBm)        |             | Limit                  |             |       |    |    |
|                                 |                 |                 | Ant1                             | Ant2                               | Ant1                          | Ant2        | Pass/Fail              | Ant 1       | Ant 2 |    |    |
| Tnom (25 °C)                    | Vnom (120V)     | 1               | 2412                             | 19.73                              | 19.37                         | 22.56       | 30                     | Pass        | 79    | 79 |    |
|                                 |                 | 2               | 2417                             | 20.32                              | 19.85                         | 23.10       | 30                     | Pass        | 80    | 80 |    |
|                                 |                 | 6               | 2437                             | 20.20                              | 19.82                         | 23.02       | 30                     | Pass        | 80    | 80 |    |
|                                 |                 | 10              | 2457                             | 19.01                              | 18.76                         | 21.90       | 30                     | Pass        | 75    | 75 |    |
|                                 |                 | 11              | 2462                             | 17.03                              | 16.65                         | 19.85       | 30                     | Pass        | 65    | 65 |    |
| Mode:                           | 802.11n(20MHz)  | Data Rate:      | MCS0                             | Conducted power MIMO Mode(2TX+2RX) |                               |             |                        | Power Index |       |    |    |
| Test Conditions                 | Channel         | Frequency (MHz) | Ant 1+2 Reading Level Avg. (dBm) |                                    | Total Power Avg. (dBm)        |             | Limit                  |             |       |    |    |
|                                 |                 |                 | Ant1                             | Ant2                               | Ant1                          | Ant2        | Pass/Fail              | Ant 1       | Ant 2 |    |    |
| Tnom (25 °C)                    | Vnom (120V)     | 1               | 2412                             | 19.98                              | 19.61                         | 22.81       | 30                     | Pass        | 79    | 79 |    |
|                                 |                 | 2               | 2417                             | 20.26                              | 19.51                         | 22.91       | 30                     | Pass        | 80    | 80 |    |
|                                 |                 | 6               | 2437                             | 20.28                              | 19.93                         | 23.12       | 30                     | Pass        | 80    | 80 |    |
|                                 |                 | 10              | 2457                             | 19.11                              | 18.69                         | 21.92       | 30                     | Pass        | 75    | 75 |    |
|                                 |                 | 11              | 2462                             | 16.98                              | 16.59                         | 19.80       | 30                     | Pass        | 66    | 66 |    |
| Mode:                           | 802.11ax(20MHz) | Data Rate:      | HE0NSS1                          | Conducted power MIMO Mode(2TX+2RX) |                               |             |                        | Power Index |       |    |    |
| Test Conditions                 | Channel         | Frequency (MHz) | Ant 1+2 Reading Level Avg. (dBm) |                                    | Total Power Avg. (dBm)        |             | Limit                  |             |       |    |    |
|                                 |                 |                 | Ant1                             | Ant2                               | Ant1                          | Ant2        | Pass/Fail              | Ant 1       | Ant 2 |    |    |
| Tnom (25 °C)                    | Vnom (120V)     | 1               | 2412                             | 20.53                              | 20.17                         | 23.36       | 30                     | Pass        | 78    | 78 |    |
|                                 |                 | 2               | 2417                             | 20.23                              | 20.02                         | 23.14       | 30                     | Pass        | 80    | 80 |    |
|                                 |                 | 6               | 2437                             | 20.81                              | 20.55                         | 23.69       | 30                     | Pass        | 80    | 80 |    |
|                                 |                 | 10              | 2457                             | 19.25                              | 18.73                         | 22.01       | 30                     | Pass        | 73    | 73 |    |
|                                 |                 | 11              | 2462                             | 16.01                              | 15.78                         | 18.91       | 30                     | Pass        | 60    | 60 |    |
| Antenna Technology:             | Beamforming     |                 |                                  |                                    |                               |             |                        |             |       |    |    |
| Mode:                           | 802.11n(20MHz)  | Data Rate:      | MCS0                             | Conducted power MIMO Mode(2TX+2RX) |                               |             |                        | Power Index |       |    |    |
| Test Conditions                 | Channel         | Frequency (MHz) | Ant 1+2 Reading Level Avg. (dBm) |                                    | Total Power Avg. (dBm)        |             | Limit                  |             |       |    |    |
|                                 |                 |                 | Ant1                             | Ant2                               | Ant1                          | Ant2        | Pass/Fail              | Ant 1       | Ant 2 |    |    |
| Tnom (25 °C)                    | Vnom (120V)     | 1               | 2412                             | 20.38                              | 20.07                         | 23.24       | 29.75                  | Pass        | 79    | 79 |    |
|                                 |                 | 2               | 2417                             | 20.27                              | 19.60                         | 22.96       | 29.75                  | Pass        | 80    | 80 |    |
|                                 |                 | 6               | 2437                             | 20.54                              | 19.81                         | 23.20       | 29.75                  | Pass        | 80    | 80 |    |
|                                 |                 | 10              | 2457                             | 19.53                              | 19.18                         | 22.37       | 29.75                  | Pass        | 75    | 75 |    |
|                                 |                 | 11              | 2462                             | 16.97                              | 16.71                         | 19.85       | 29.75                  | Pass        | 66    | 66 |    |
| Mode:                           | 802.11ax(20MHz) | Data Rate:      | HE0NSS1                          | Conducted power MIMO Mode(2TX+2RX) |                               |             |                        | Power Index |       |    |    |
| Test Conditions                 | Channel         | Frequency (MHz) | Ant 1+2 Reading Level Avg. (dBm) |                                    | Total Power Avg. (dBm)        |             | Limit                  |             |       |    |    |
|                                 |                 |                 | Ant1                             | Ant2                               | Ant1                          | Ant2        | Pass/Fail              | Ant 1       | Ant 2 |    |    |
| Tnom (25 °C)                    | Vnom (120V)     | 1               | 2412                             | 20.42                              | 20.19                         | 23.32       | 29.75                  | Pass        | 78    | 78 |    |
|                                 |                 | 2               | 2417                             | 20.66                              | 20.35                         | 23.52       | 29.75                  | Pass        | 80    | 80 |    |
|                                 |                 | 6               | 2437                             | 20.86                              | 20.44                         | 23.67       | 29.75                  | Pass        | 80    | 80 |    |
|                                 |                 | 10              | 2457                             | 19.14                              | 18.75                         | 21.96       | 29.75                  | Pass        | 73    | 73 |    |
|                                 |                 | 11              | 2462                             | 16.24                              | 16.02                         | 19.14       | 29.75                  | Pass        | 60    | 60 |    |