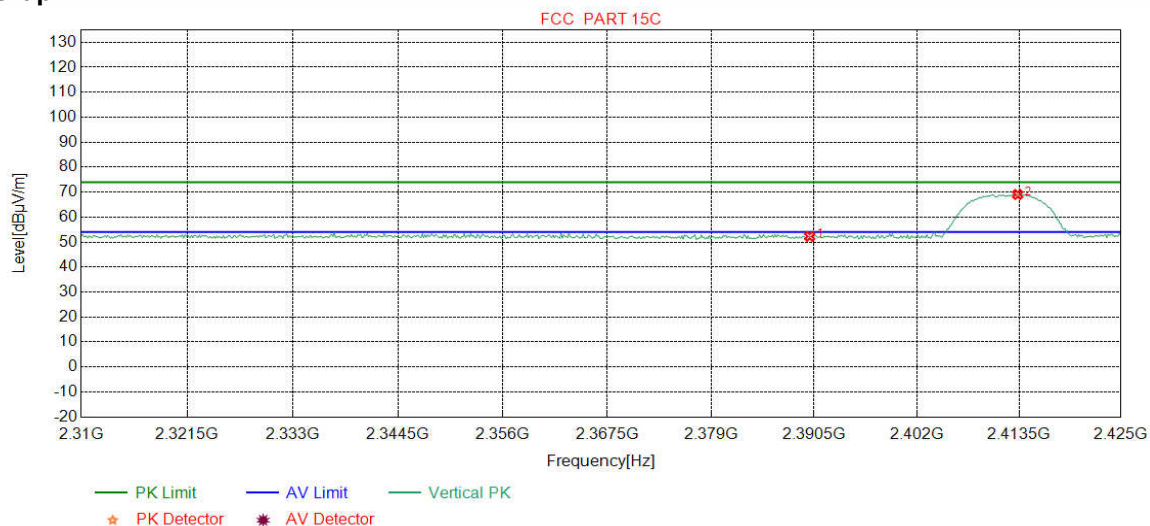


|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2412 |
| Remark: | PK                    |          |      |

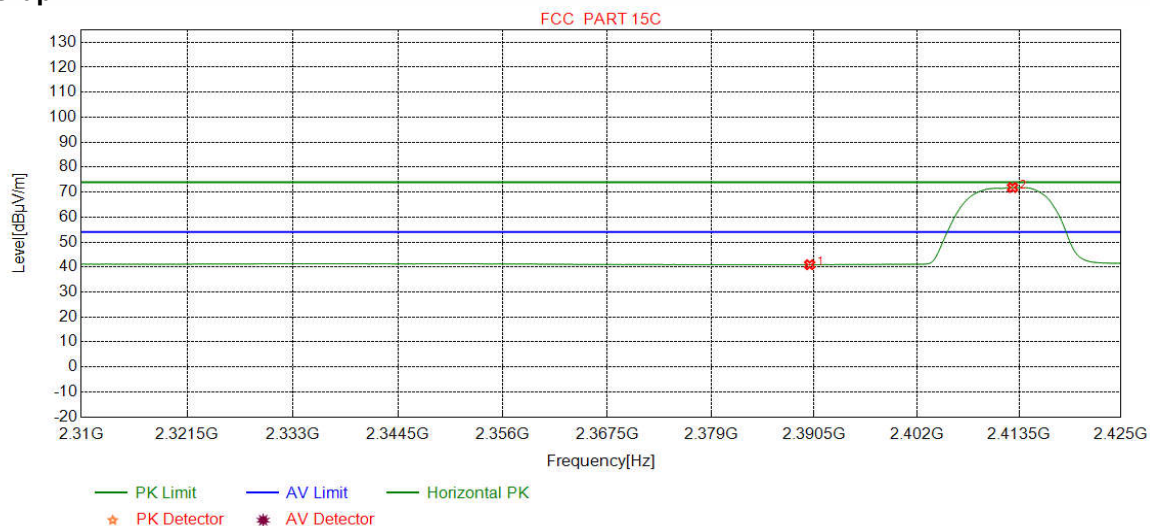
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2390.0000   | 32.25           | 13.37           | -43.12          | 49.80          | 52.30          | 74.00          | 21.70       | Pass   | Vertical |
| 2  | 2413.3417   | 32.28           | 13.36           | -43.12          | 66.53          | 69.05          | 74.00          | 4.95        | Pass   | Vertical |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2412 |
| Remark: | AV                    |          |      |

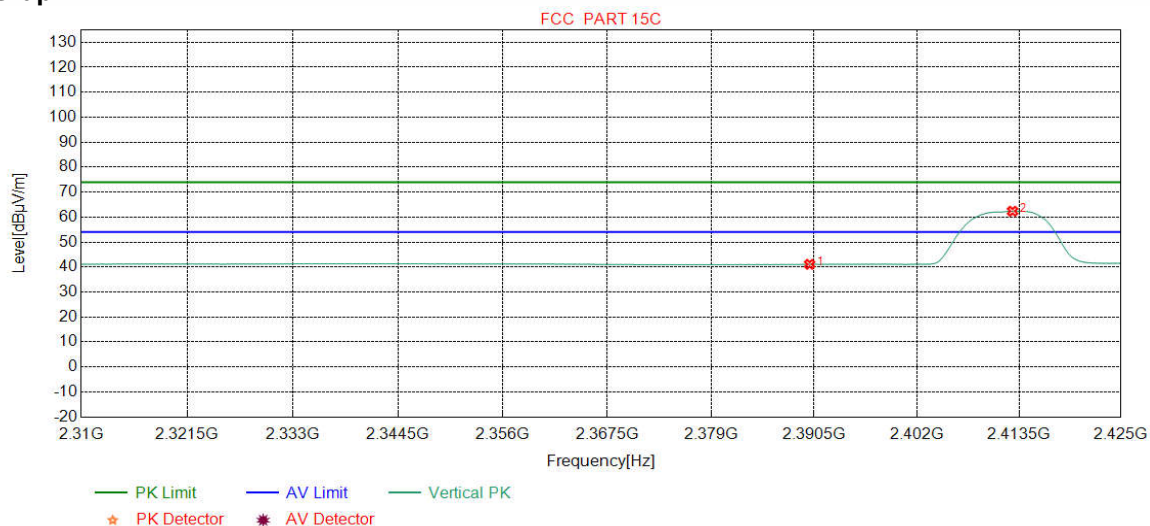
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2390.0000   | 32.25           | 13.37           | -43.12          | 38.42          | 40.92          | 54.00          | 13.08       | Pass   | Horizontal |
| 2  | 2412.7660   | 32.28           | 13.36           | -43.12          | 69.31          | 71.83          | 54.00          | -17.83      | Pass   | Horizontal |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2412 |
| Remark: | AV                    |          |      |

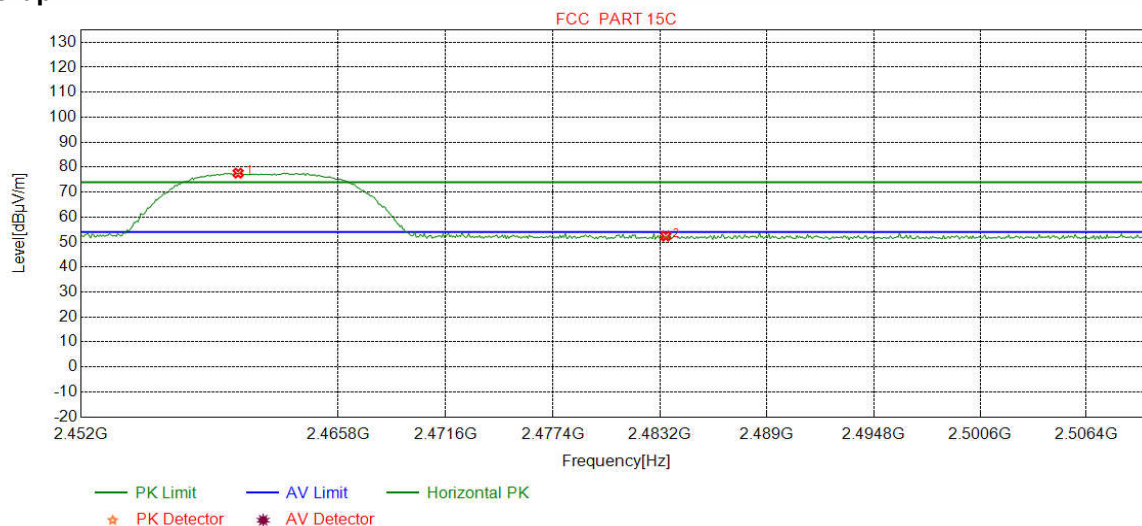
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2390.0000   | 32.25           | 13.37           | -43.12          | 38.60          | 41.10          | 54.00          | 12.90       | Pass   | Vertical |
| 2  | 2412.7660   | 32.28           | 13.36           | -43.12          | 59.83          | 62.35          | 54.00          | -8.35       | Pass   | Vertical |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2462 |
| Remark: | PK                    |          |      |

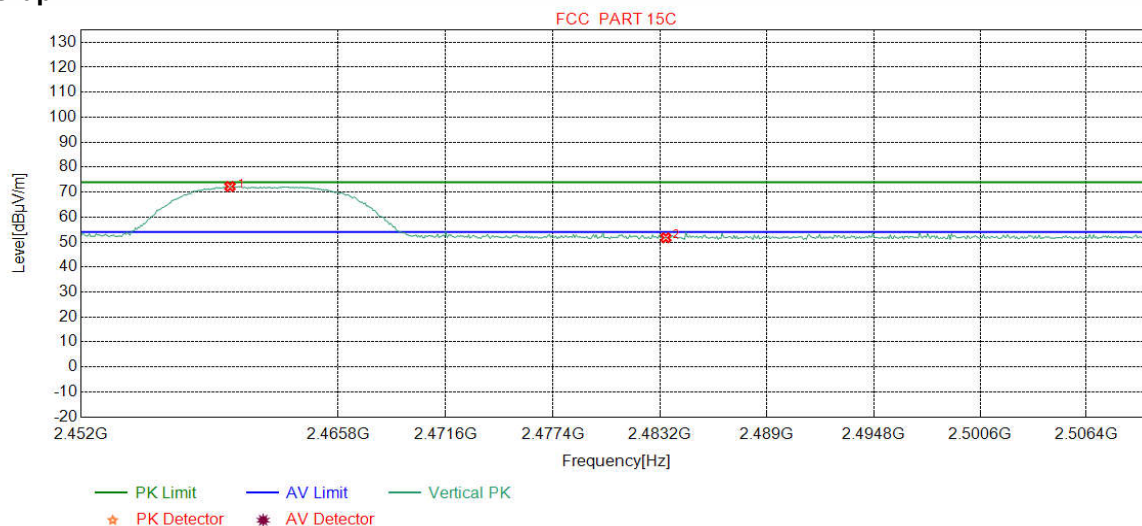
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2460.4205   | 32.34           | 13.48           | -43.10          | 74.87          | 77.59          | 74.00          | -3.59       | Pass   | Horizontal |
| 2  | 2483.5000   | 32.38           | 13.38           | -43.11          | 49.73          | 52.38          | 74.00          | 21.62       | Pass   | Horizontal |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2462 |
| Remark: | PK                    |          |      |

### Test Graph

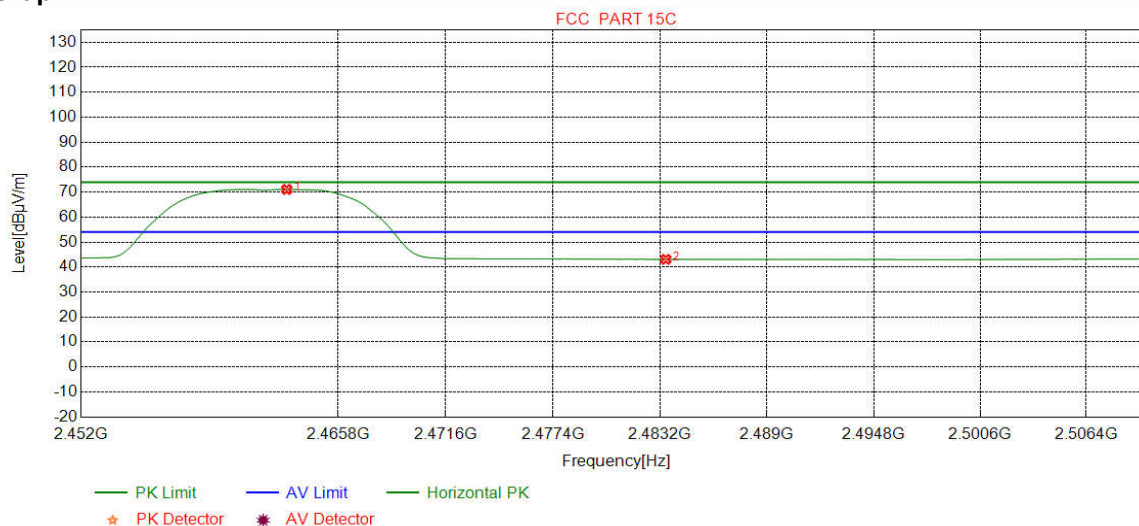


| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2459.9850   | 32.34           | 13.48           | -43.10          | 69.52          | 72.24          | 74.00          | 1.76        | Pass   | Vertical |
| 2  | 2483.5000   | 32.38           | 13.38           | -43.11          | 49.08          | 51.73          | 74.00          | 22.27       | Pass   | Vertical |



|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2462 |
| Remark: | AV                    |          |      |

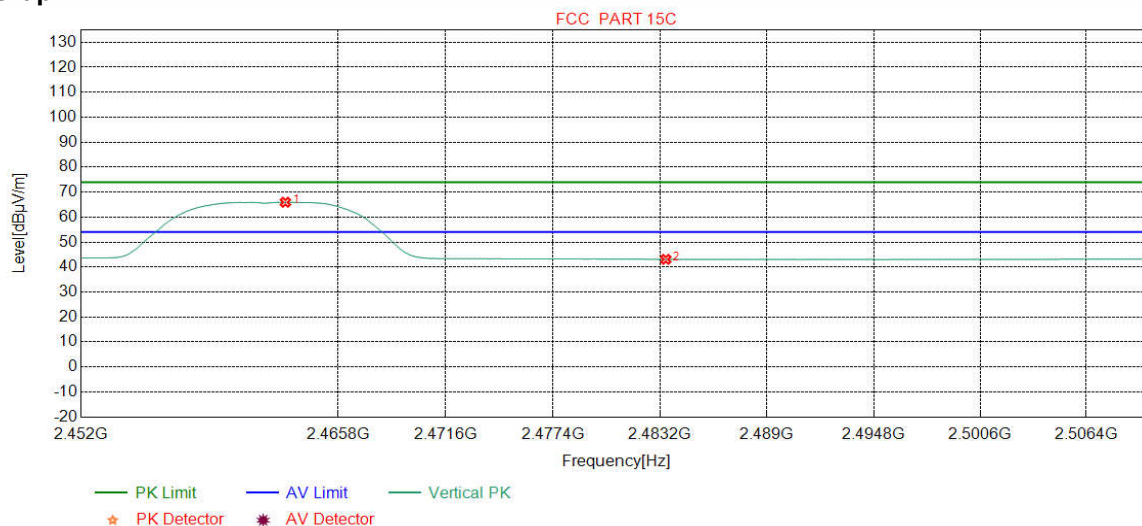
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2463.0338   | 32.35           | 13.47           | -43.11          | 68.37          | 71.08          | 54.00          | -17.08      | Pass   | Horizontal |
| 2  | 2483.5000   | 32.38           | 13.38           | -43.11          | 40.44          | 43.09          | 54.00          | 10.91       | Pass   | Horizontal |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 b Transmitting | Channel: | 2462 |
| Remark: | AV                    |          |      |

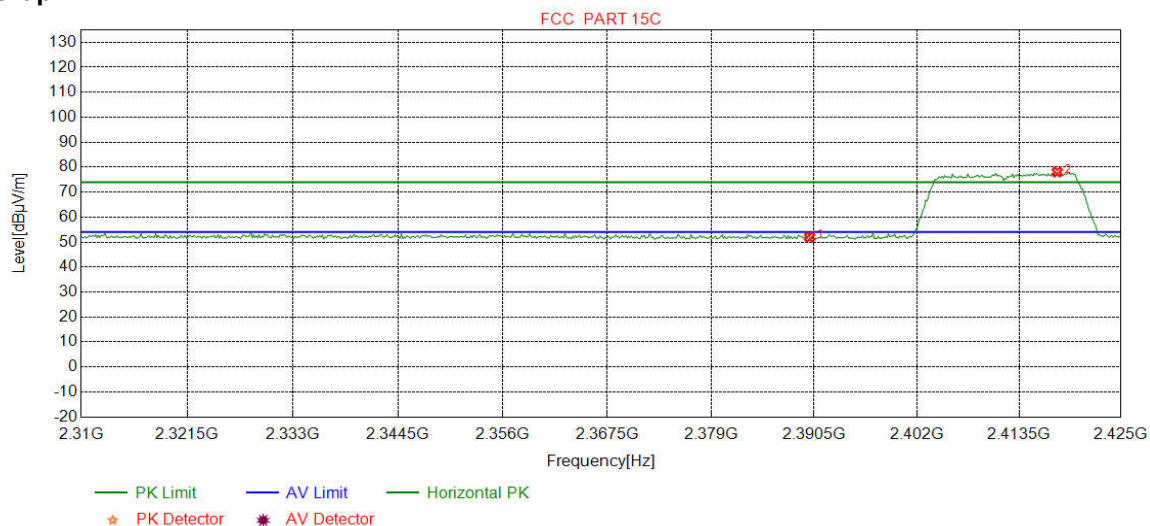
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2462.9612   | 32.35           | 13.47           | -43.11          | 63.23          | 65.94          | 54.00          | -11.94      | Pass   | Vertical |
| 2  | 2483.5000   | 32.38           | 13.38           | -43.11          | 40.44          | 43.09          | 54.00          | 10.91       | Pass   | Vertical |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 g Transmitting | Channel: | 2412 |
| Remark: | PK                    |          |      |

### Test Graph

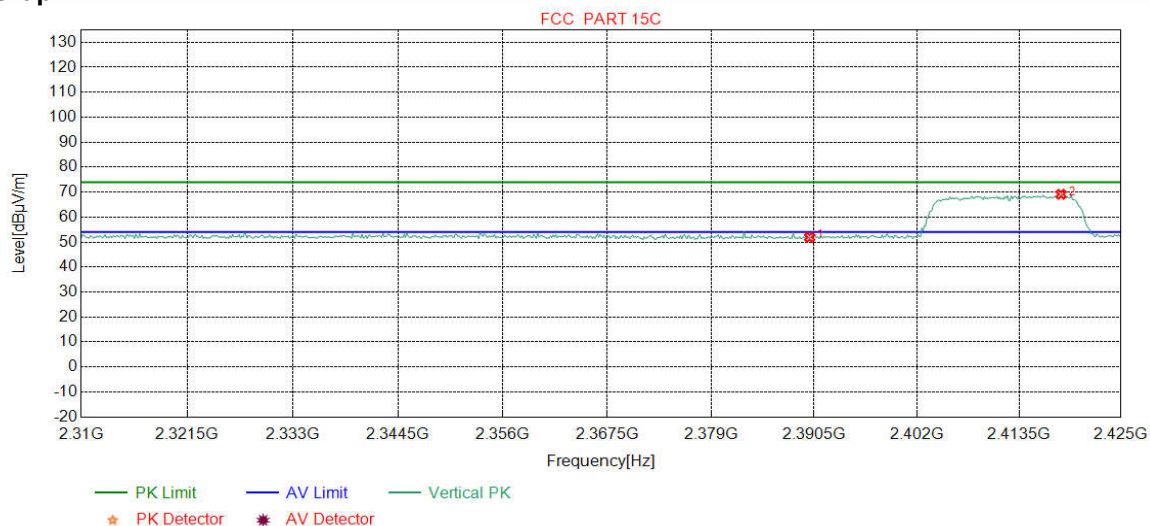


| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2390.0000   | 32.25           | 13.37           | -43.12          | 49.47          | 51.97          | 74.00          | 22.03       | Pass   | Horizontal |
| 2  | 2417.8035   | 32.28           | 13.38           | -43.11          | 75.46          | 78.01          | 74.00          | -4.01       | Pass   | Horizontal |



|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 g Transmitting | Channel: | 2412 |
| Remark: | PK                    |          |      |

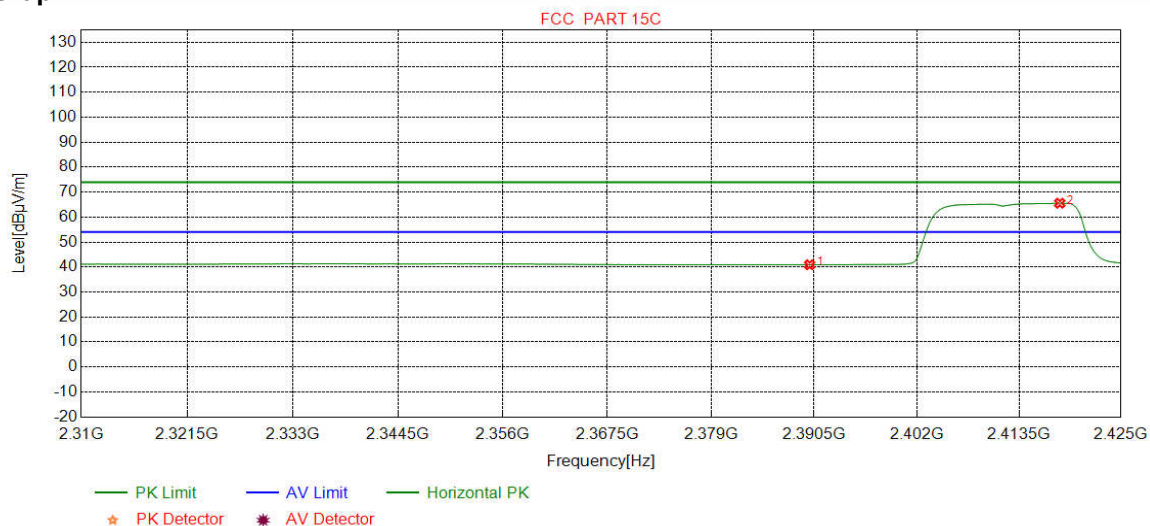
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2390.0000   | 32.25           | 13.37           | -43.12          | 49.40          | 51.90          | 74.00          | 22.10       | Pass   | Vertical |
| 2  | 2418.2353   | 32.29           | 13.38           | -43.12          | 66.58          | 69.13          | 74.00          | 4.87        | Pass   | Vertical |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 g Transmitting | Channel: | 2412 |
| Remark: | AV                    |          |      |

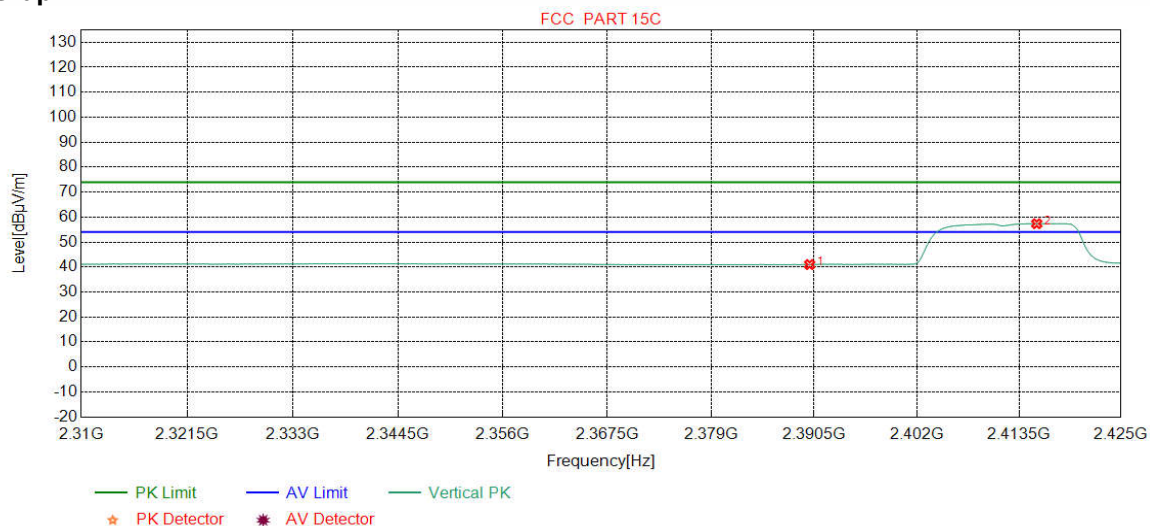
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2390.0000   | 32.25           | 13.37           | -43.12          | 38.40          | 40.90          | 54.00          | 13.10       | Pass   | Horizontal |
| 2  | 2418.0914   | 32.29           | 13.38           | -43.12          | 63.02          | 65.57          | 54.00          | -11.57      | Pass   | Horizontal |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 g Transmitting | Channel: | 2412 |
| Remark: | AV                    |          |      |

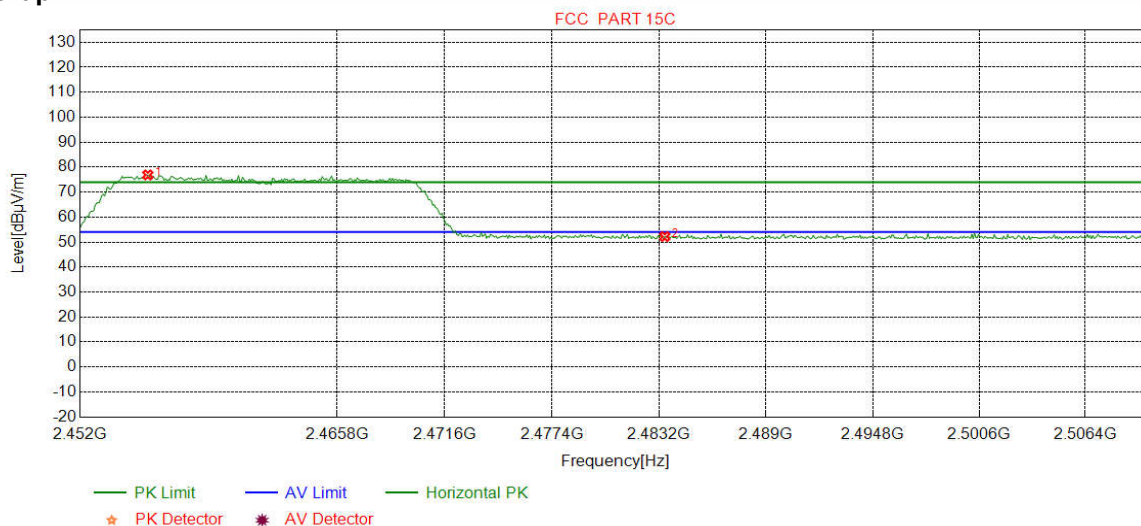
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2390.0000   | 32.25           | 13.37           | -43.12          | 38.49          | 40.99          | 54.00          | 13.01       | Pass   | Vertical |
| 2  | 2415.5006   | 32.28           | 13.37           | -43.11          | 54.81          | 57.35          | 54.00          | -3.35       | Pass   | Vertical |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 g Transmitting | Channel: | 2462 |
| Remark: | PK                    |          |      |

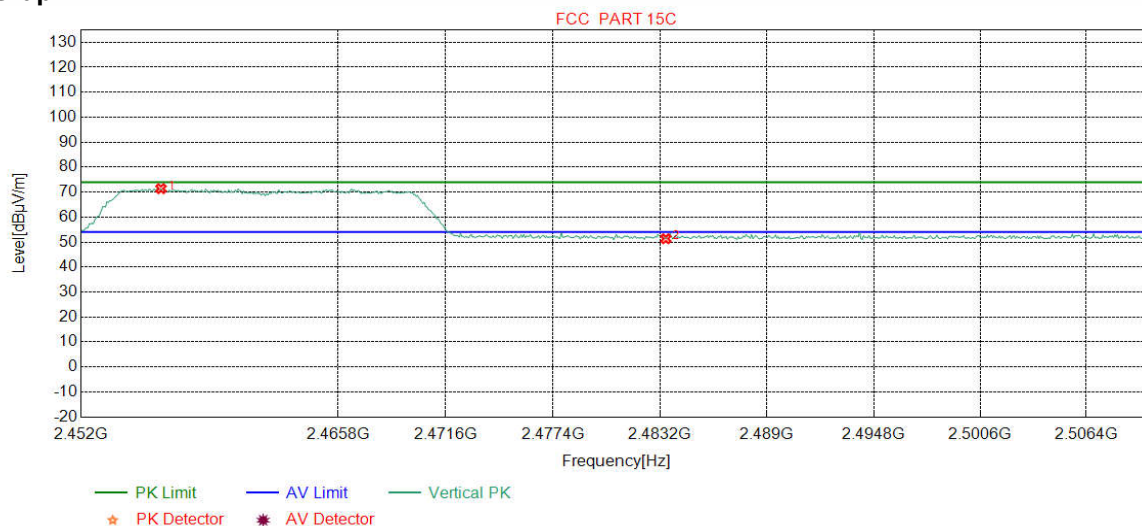
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2455.6295   | 32.34           | 13.50           | -43.11          | 74.16          | 76.89          | 74.00          | -2.89       | Pass   | Horizontal |
| 2  | 2483.5000   | 32.38           | 13.38           | -43.11          | 49.56          | 52.21          | 74.00          | 21.79       | Pass   | Horizontal |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 g Transmitting | Channel: | 2462 |
| Remark: | PK                    |          |      |

### Test Graph

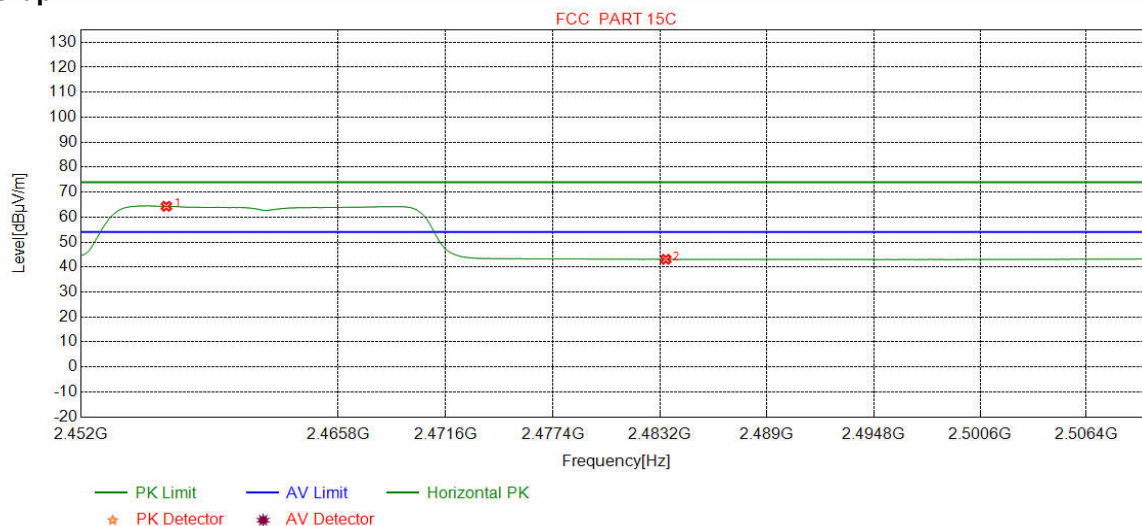


| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2456.2829   | 32.34           | 13.50           | -43.11          | 68.65          | 71.38          | 74.00          | 2.62        | Pass   | Vertical |
| 2  | 2483.5000   | 32.38           | 13.38           | -43.11          | 48.68          | 51.33          | 74.00          | 22.67       | Pass   | Vertical |



|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 g Transmitting | Channel: | 2462 |
| Remark: | AV                    |          |      |

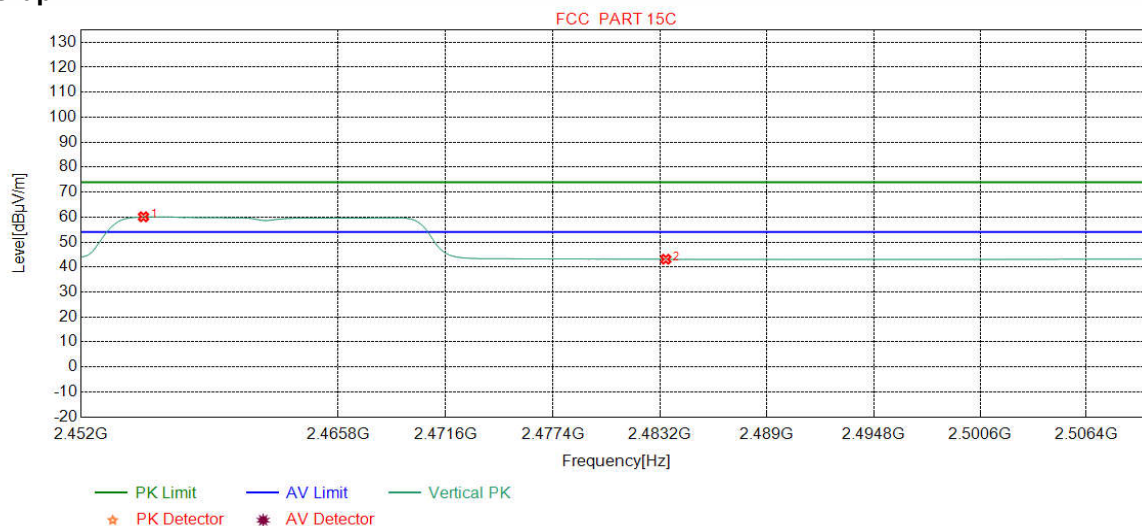
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2456.5732   | 32.34           | 13.50           | -43.11          | 61.60          | 64.33          | 54.00          | -10.33      | Pass   | Horizontal |
| 2  | 2483.5000   | 32.38           | 13.38           | -43.11          | 40.44          | 43.09          | 54.00          | 10.91       | Pass   | Horizontal |

|         |                       |          |      |
|---------|-----------------------|----------|------|
| Mode:   | 802.11 g Transmitting | Channel: | 2462 |
| Remark: | AV                    |          |      |

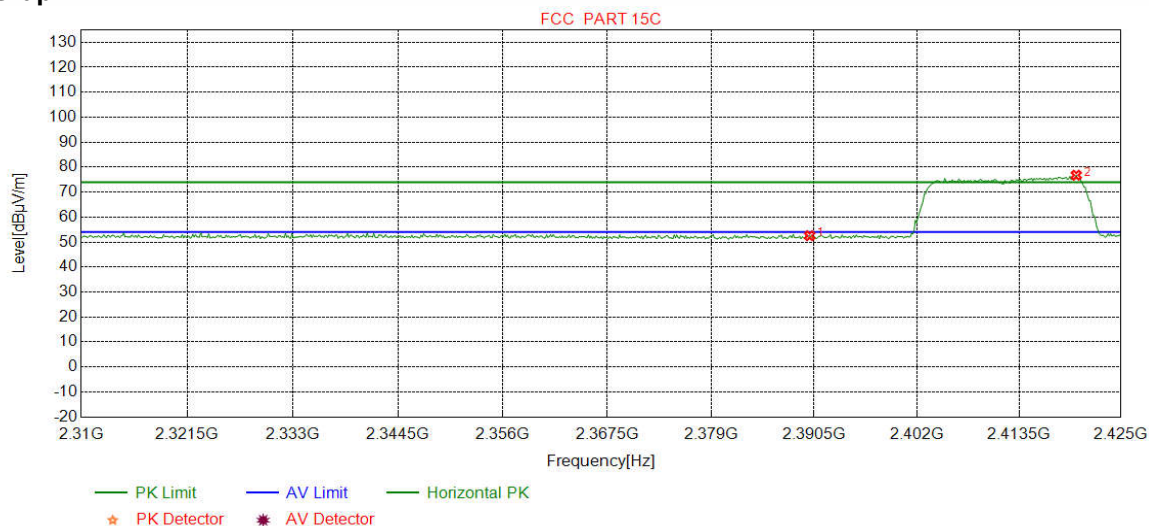
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2455.3392   | 32.34           | 13.51           | -43.12          | 57.39          | 60.12          | 54.00          | -6.12       | Pass   | Vertical |
| 2  | 2483.5000   | 32.38           | 13.38           | -43.11          | 40.47          | 43.12          | 54.00          | 10.88       | Pass   | Vertical |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT20) Transmitting | Channel: | 2412 |
| Remark: | PK                          |          |      |

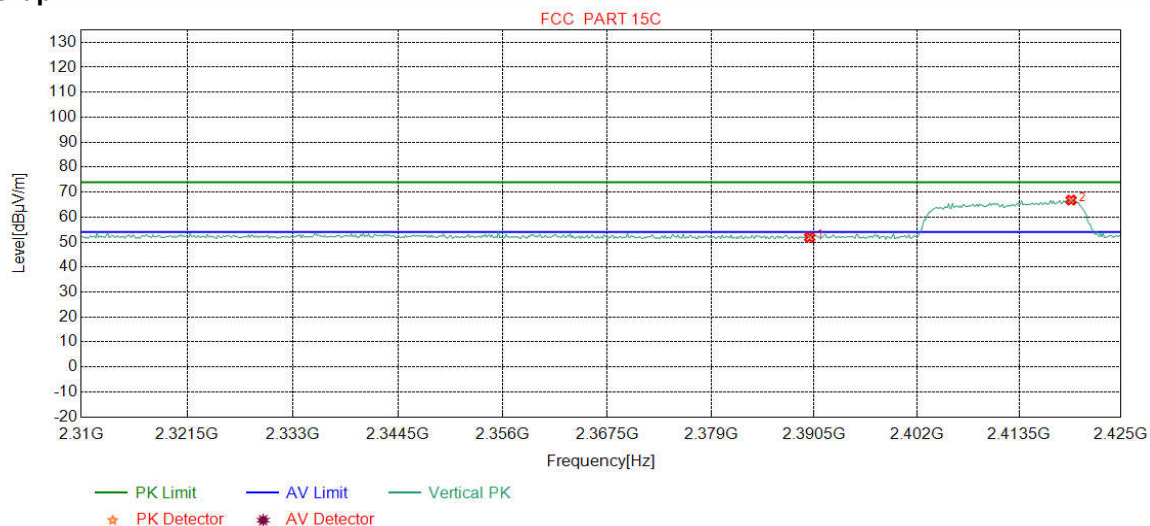
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2390.0000   | 32.25           | 13.37           | -43.12          | 50.05          | 52.55          | 74.00          | 21.45       | Pass   | Horizontal |
| 2  | 2419.9625   | 32.29           | 13.39           | -43.12          | 74.22          | 76.78          | 74.00          | -2.78       | Pass   | Horizontal |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT20) Transmitting | Channel: | 2412 |
| Remark: | PK                          |          |      |

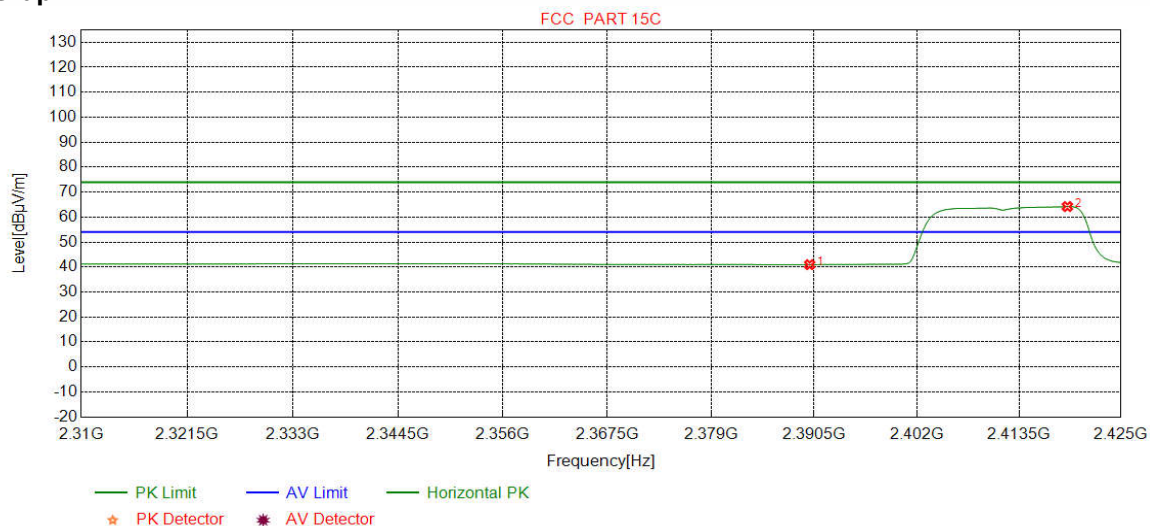
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2390.0000   | 32.25           | 13.37           | -43.12          | 49.39          | 51.89          | 74.00          | 22.11       | Pass   | Vertical |
| 2  | 2419.3867   | 32.29           | 13.39           | -43.12          | 64.26          | 66.82          | 74.00          | 7.18        | Pass   | Vertical |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT20) Transmitting | Channel: | 2412 |
| Remark: | AV                          |          |      |

### Test Graph

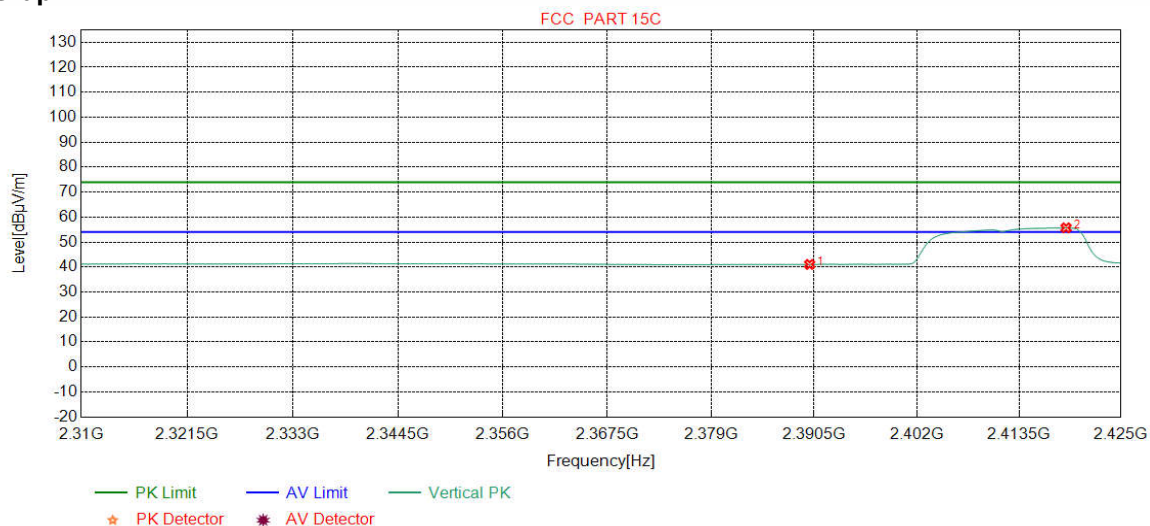


| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2390.0000   | 32.25           | 13.37           | -43.12          | 38.45          | 40.95          | 54.00          | 13.05       | Pass   | Horizontal |
| 2  | 2418.9549   | 32.29           | 13.39           | -43.12          | 61.65          | 64.21          | 54.00          | -10.21      | Pass   | Horizontal |



|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT20) Transmitting | Channel: | 2412 |
| Remark: | AV                          |          |      |

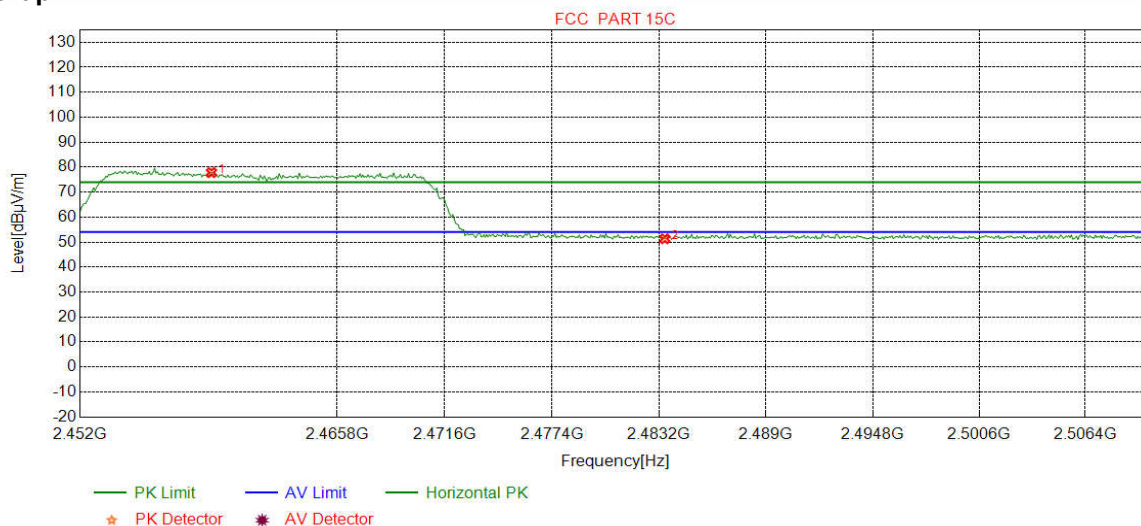
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2390.0000   | 32.25           | 13.37           | -43.12          | 38.54          | 41.04          | 54.00          | 12.96       | Pass   | Vertical |
| 2  | 2418.8110   | 32.29           | 13.39           | -43.12          | 53.14          | 55.70          | 54.00          | -1.70       | Pass   | Vertical |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT20) Transmitting | Channel: | 2462 |
| Remark: | PK                          |          |      |

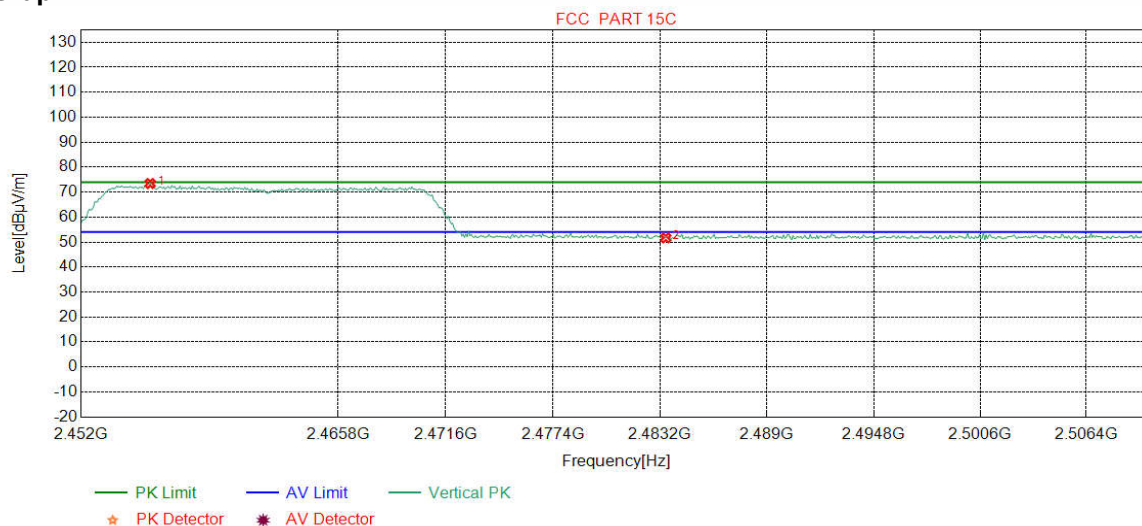
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2459.0413   | 32.34           | 13.49           | -43.11          | 75.13          | 77.85          | 74.00          | -3.85       | Pass   | Horizontal |
| 2  | 2483.5000   | 32.38           | 13.38           | -43.11          | 48.67          | 51.32          | 74.00          | 22.68       | Pass   | Horizontal |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT20) Transmitting | Channel: | 2462 |
| Remark: | PK                          |          |      |

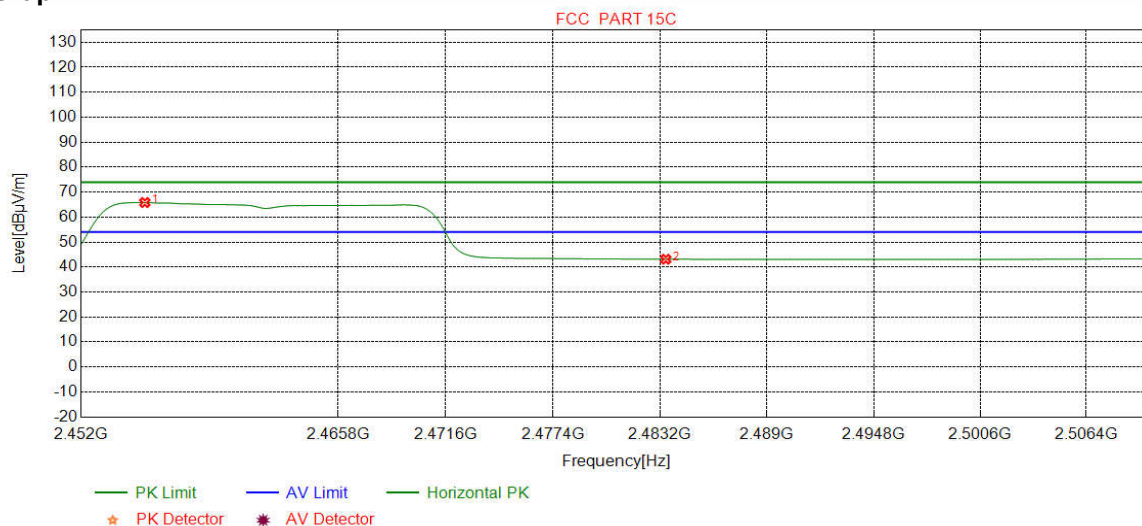
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2455.7021   | 32.34           | 13.50           | -43.11          | 70.74          | 73.47          | 74.00          | 0.53        | Pass   | Vertical |
| 2  | 2483.5000   | 32.38           | 13.38           | -43.11          | 49.01          | 51.66          | 74.00          | 22.34       | Pass   | Vertical |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT20) Transmitting | Channel: | 2462 |
| Remark: | AV                          |          |      |

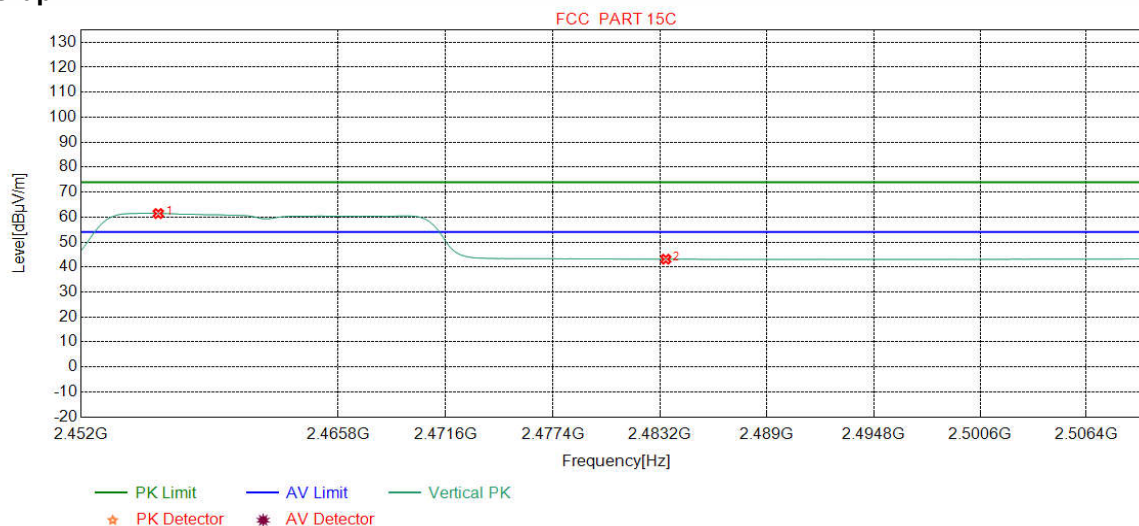
### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity   |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|------------|
| 1  | 2455.4118   | 32.34           | 13.51           | -43.12          | 63.09          | 65.82          | 54.00          | -11.82      | Pass   | Horizontal |
| 2  | 2483.5000   | 32.38           | 13.38           | -43.11          | 40.47          | 43.12          | 54.00          | 10.88       | Pass   | Horizontal |

|         |                             |          |      |
|---------|-----------------------------|----------|------|
| Mode:   | 802.11 n(HT20) Transmitting | Channel: | 2462 |
| Remark: | AV                          |          |      |

### Test Graph



| NO | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB] | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity |
|----|-------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|
| 1  | 2456.1377   | 32.34           | 13.50           | -43.11          | 58.69          | 61.42          | 54.00          | -7.42       | Pass   | Vertical |
| 2  | 2483.5000   | 32.38           | 13.38           | -43.11          | 40.49          | 43.14          | 54.00          | 10.86       | Pass   | Vertical |

### Note:

1) Through Pre-scan transmitting mode and charge+transmitter mode with all kind of modulation and data rate, find the 11Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20), and then Only the worst case is recorded in the report.

2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor



## Appendix I): Radiated Spurious Emissions

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                  |                |            |                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------|----------------|------------|--------------------------|
| Receiver Setup:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Frequency         | Detector                         | RBW            | VBW        | Remark                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.009MHz-0.090MHz | Peak                             | 10kHz          | 30kHz      | Peak                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.009MHz-0.090MHz | Average                          | 10kHz          | 30kHz      | Average                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.090MHz-0.110MHz | Quasi-peak                       | 10kHz          | 30kHz      | Quasi-peak               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.110MHz-0.490MHz | Peak                             | 10kHz          | 30kHz      | Peak                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.110MHz-0.490MHz | Average                          | 10kHz          | 30kHz      | Average                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.490MHz -30MHz   | Quasi-peak                       | 10kHz          | 30kHz      | Quasi-peak               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 30MHz-1GHz        | Quasi-peak                       | 120kHz         | 300kHz     | Quasi-peak               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Above 1GHz        | Peak                             | 1MHz           | 3MHz       | Peak                     |
| Peak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | 1MHz                             | 10Hz           | Average    |                          |
| Test Procedure:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                  |                |            |                          |
| Below 1GHz test procedure as below:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                                  |                |            |                          |
| <p>a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p> |                   |                                  |                |            |                          |
| Above 1GHz test procedure as below:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                                  |                |            |                          |
| <p>g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter( Above 18GHz the distance is 1 meter and table is 1.5 meter).</p> <p>h. Test the EUT in the lowest channel, the middle channel ,the Highest channel .</p> <p>i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.</p> <p>j. Repeat above procedures until all frequencies measured was complete.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                  |                |            |                          |
| Limit:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Frequency         | Field strength (microvolt/meter) | Limit (dBμV/m) | Remark     | Measurement distance (m) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.009MHz-0.490MHz | 2400/F(kHz)                      | -              | -          | 300                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.490MHz-1.705MHz | 24000/F(kHz)                     | -              | -          | 30                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.705MHz-30MHz    | 30                               | -              | -          | 30                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 30MHz-88MHz       | 100                              | 40.0           | Quasi-peak | 3                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 88MHz-216MHz      | 150                              | 43.5           | Quasi-peak | 3                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 216MHz-960MHz     | 200                              | 46.0           | Quasi-peak | 3                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 960MHz-1GHz       | 500                              | 54.0           | Quasi-peak | 3                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Above 1GHz        | 500                              | 54.0           | Average    | 3                        |
| Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |                                  |                |            |                          |

## Radiated Spurious Emissions test Data:

### Radiated Emission below 1GHz

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 11N20 Channel 2437MHz was selected as the worst condition. The test data of the worst-case condition was recorded in this report.

| Mode: |             |                 | 802.11N20 Transmitting |                 |                |                |                | Channel:    |        | 2437     |        |
|-------|-------------|-----------------|------------------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB]        | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 37.1787     | 11.40           | 0.68                   | -31.37          | 50.46          | 31.17          | 40.00          | 8.83        | Pass   | H        | PK     |
| 2     | 83.9374     | 8.01            | 1.06                   | -31.98          | 56.52          | 33.61          | 40.00          | 6.39        | Pass   | H        | PK     |
| 3     | 96.1606     | 10.39           | 1.13                   | -31.98          | 54.90          | 34.44          | 43.50          | 9.06        | Pass   | H        | PK     |
| 4     | 143.9864    | 7.34            | 1.41                   | -31.99          | 60.88          | 37.64          | 43.50          | 5.86        | Pass   | H        | PK     |
| 5     | 240.0260    | 11.94           | 1.84                   | -31.90          | 55.54          | 37.42          | 46.00          | 8.58        | Pass   | H        | PK     |
| 6     | 514.2724    | 17.29           | 2.71                   | -31.94          | 51.71          | 39.77          | 46.00          | 6.23        | Pass   | H        | PK     |
| 7     | 36.4997     | 11.18           | 0.67                   | -31.39          | 48.03          | 28.49          | 40.00          | 11.51       | Pass   | V        | PK     |
| 8     | 111.3911    | 10.66           | 1.25                   | -32.07          | 48.81          | 28.65          | 43.50          | 14.85       | Pass   | V        | PK     |
| 9     | 208.8859    | 11.13           | 1.71                   | -31.94          | 43.44          | 24.34          | 43.50          | 19.16       | Pass   | V        | PK     |
| 10    | 350.0350    | 14.30           | 2.23                   | -31.87          | 47.53          | 32.19          | 46.00          | 13.81       | Pass   | V        | PK     |
| 11    | 514.2724    | 17.29           | 2.71                   | -31.94          | 46.97          | 35.03          | 46.00          | 10.97       | Pass   | V        | PK     |
| 12    | 913.4673    | 22.18           | 3.62                   | -31.45          | 42.02          | 36.37          | 46.00          | 9.63        | Pass   | V        | PK     |

**Transmitter Emission above 1GHz**

| Mode: |             |                 | 802.11 b Transmitting |                 |                |                |                | Channel:    |        | 2412     |        |
|-------|-------------|-----------------|-----------------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB]       | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 1994.6995   | 31.67           | 3.46                  | -43.19          | 51.31          | 43.25          | 74.00          | 30.75       | Pass   | H        | PK     |
| 2     | 3008.0005   | 33.20           | 4.91                  | -43.09          | 51.09          | 46.11          | 74.00          | 27.89       | Pass   | H        | PK     |
| 3     | 4824.0000   | 34.50           | 4.61                  | -42.80          | 47.03          | 43.34          | 74.00          | 30.66       | Pass   | H        | PK     |
| 4     | 6290.2193   | 35.86           | 5.44                  | -42.55          | 49.29          | 48.04          | 74.00          | 25.96       | Pass   | H        | PK     |
| 5     | 7236.0000   | 36.34           | 5.79                  | -42.16          | 46.47          | 46.44          | 74.00          | 27.56       | Pass   | H        | PK     |
| 6     | 9648.0000   | 37.66           | 6.72                  | -42.10          | 46.65          | 48.93          | 74.00          | 25.07       | Pass   | H        | PK     |
| 7     | 1800.2800   | 30.38           | 3.32                  | -42.71          | 58.08          | 49.07          | 74.00          | 24.93       | Pass   | V        | PK     |
| 8     | 1994.6995   | 31.67           | 3.46                  | -43.19          | 57.65          | 49.59          | 74.00          | 24.41       | Pass   | V        | PK     |
| 9     | 4824.0000   | 34.50           | 4.61                  | -42.80          | 46.73          | 43.04          | 74.00          | 30.96       | Pass   | V        | PK     |
| 10    | 7236.0000   | 36.34           | 5.79                  | -42.16          | 46.00          | 45.97          | 74.00          | 28.03       | Pass   | V        | PK     |
| 11    | 8996.3998   | 37.69           | 6.33                  | -42.00          | 49.53          | 51.55          | 74.00          | 22.45       | Pass   | V        | PK     |
| 12    | 9648.0000   | 37.66           | 6.72                  | -42.10          | 46.21          | 48.49          | 74.00          | 25.51       | Pass   | V        | PK     |

| Mode: |             |                 | 802.11 b Transmitting |                 |                |                |                | Channel:    |        | 2437     |        |
|-------|-------------|-----------------|-----------------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB]       | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 1998.6999   | 31.69           | 3.47                  | -43.20          | 52.33          | 44.29          | 74.00          | 29.71       | Pass   | H        | PK     |
| 2     | 3424.0283   | 33.37           | 4.50                  | -43.10          | 49.42          | 44.19          | 74.00          | 29.81       | Pass   | H        | PK     |
| 3     | 3814.0543   | 33.65           | 4.37                  | -43.04          | 50.62          | 45.60          | 74.00          | 28.40       | Pass   | H        | PK     |
| 4     | 4874.0000   | 34.50           | 4.78                  | -42.80          | 47.21          | 43.69          | 74.00          | 30.31       | Pass   | H        | PK     |
| 5     | 7311.0000   | 36.41           | 5.85                  | -42.14          | 45.82          | 45.94          | 74.00          | 28.06       | Pass   | H        | PK     |
| 6     | 9748.0000   | 37.70           | 6.77                  | -42.10          | 46.68          | 49.05          | 74.00          | 24.95       | Pass   | H        | PK     |
| 7     | 1794.0794   | 30.34           | 3.31                  | -42.71          | 57.93          | 48.87          | 74.00          | 25.13       | Pass   | V        | PK     |
| 8     | 1992.0992   | 31.65           | 3.46                  | -43.18          | 56.45          | 48.38          | 74.00          | 25.62       | Pass   | V        | PK     |
| 9     | 3477.0318   | 33.39           | 4.46                  | -43.10          | 49.43          | 44.18          | 74.00          | 29.82       | Pass   | V        | PK     |
| 10    | 4874.0000   | 34.50           | 4.78                  | -42.80          | 46.62          | 43.10          | 74.00          | 30.90       | Pass   | V        | PK     |
| 11    | 7311.0000   | 36.41           | 5.85                  | -42.14          | 46.53          | 46.65          | 74.00          | 27.35       | Pass   | V        | PK     |
| 12    | 9748.0000   | 37.70           | 6.77                  | -42.10          | 47.92          | 50.29          | 74.00          | 23.71       | Pass   | V        | PK     |

| Mode: |             |                 | 802.11 b Transmitting |                 |                |                |                | Channel:    |        | 2462     |        |
|-------|-------------|-----------------|-----------------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB]       | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 1755.8756   | 30.09           | 3.24                  | -42.69          | 52.45          | 43.09          | 74.00          | 30.91       | Pass   | H        | PK     |
| 2     | 3056.0037   | 33.22           | 4.82                  | -43.10          | 50.88          | 45.82          | 74.00          | 28.18       | Pass   | H        | PK     |
| 3     | 4924.0000   | 34.50           | 4.85                  | -42.80          | 48.61          | 45.16          | 74.00          | 28.84       | Pass   | H        | PK     |
| 4     | 6101.2067   | 35.82           | 5.26                  | -42.58          | 49.38          | 47.88          | 74.00          | 26.12       | Pass   | H        | PK     |
| 5     | 7386.0000   | 36.49           | 5.85                  | -42.13          | 47.54          | 47.75          | 74.00          | 26.25       | Pass   | H        | PK     |
| 6     | 9848.0000   | 37.74           | 6.83                  | -42.10          | 45.61          | 48.08          | 74.00          | 25.92       | Pass   | H        | PK     |
| 7     | 1798.6799   | 30.37           | 3.32                  | -42.71          | 57.11          | 48.09          | 74.00          | 25.91       | Pass   | H        | AV     |
| 8     | 1992.2992   | 31.65           | 3.46                  | -43.18          | 56.92          | 48.85          | 74.00          | 25.15       | Pass   | V        | PK     |
| 9     | 3196.0131   | 33.28           | 4.64                  | -43.10          | 53.20          | 48.02          | 74.00          | 25.98       | Pass   | V        | PK     |
| 10    | 4924.0000   | 34.50           | 4.85                  | -42.80          | 47.19          | 43.74          | 74.00          | 30.26       | Pass   | V        | PK     |
| 11    | 7386.0000   | 36.49           | 5.85                  | -42.13          | 47.12          | 47.33          | 74.00          | 26.67       | Pass   | V        | PK     |
| 12    | 9848.0000   | 37.74           | 6.83                  | -42.10          | 45.71          | 48.18          | 74.00          | 25.82       | Pass   | V        | PK     |

| Mode: |             |                 | 802.11 g Transmitting |                 |                |                |                | Channel:    |        | 2412     |        |
|-------|-------------|-----------------|-----------------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB]       | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 1822.6823   | 30.53           | 3.35                  | -42.77          | 51.46          | 42.57          | 74.00          | 31.43       | Pass   | H        | PK     |
| 2     | 3553.0369   | 33.44           | 4.43                  | -43.08          | 49.73          | 44.52          | 74.00          | 29.48       | Pass   | H        | PK     |
| 3     | 4824.0000   | 34.50           | 4.61                  | -42.80          | 47.39          | 43.70          | 74.00          | 30.30       | Pass   | H        | PK     |
| 4     | 7236.0000   | 36.34           | 5.79                  | -42.16          | 45.47          | 45.44          | 74.00          | 28.56       | Pass   | H        | PK     |
| 5     | 9226.4151   | 37.65           | 6.52                  | -42.04          | 49.35          | 51.48          | 74.00          | 22.52       | Pass   | H        | PK     |
| 6     | 9648.0000   | 37.66           | 6.72                  | -42.10          | 46.55          | 48.83          | 74.00          | 25.17       | Pass   | H        | PK     |
| 7     | 1797.6798   | 30.36           | 3.32                  | -42.71          | 56.93          | 47.90          | 74.00          | 26.10       | Pass   | V        | PK     |
| 8     | 2000.1000   | 31.70           | 3.47                  | -43.20          | 56.45          | 48.42          | 74.00          | 25.58       | Pass   | V        | PK     |
| 9     | 4824.0000   | 34.50           | 4.61                  | -42.80          | 47.66          | 43.97          | 74.00          | 30.03       | Pass   | V        | PK     |
| 10    | 6311.2207   | 35.86           | 5.46                  | -42.54          | 49.14          | 47.92          | 74.00          | 26.08       | Pass   | V        | PK     |
| 11    | 7236.0000   | 36.34           | 5.79                  | -42.16          | 46.11          | 46.08          | 74.00          | 27.92       | Pass   | V        | PK     |
| 12    | 9648.0000   | 37.66           | 6.72                  | -42.10          | 45.98          | 48.26          | 74.00          | 25.74       | Pass   | V        | PK     |

| Mode: |             |                 | 802.11 g Transmitting |                 |                |                |                | Channel:    |        | 2437     |        |
|-------|-------------|-----------------|-----------------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB]       | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 1992.2992   | 31.65           | 3.46                  | -43.18          | 50.83          | 42.76          | 74.00          | 31.24       | Pass   | H        | PK     |
| 2     | 4874.0000   | 34.50           | 4.78                  | -42.80          | 47.31          | 43.79          | 74.00          | 30.21       | Pass   | H        | PK     |
| 3     | 6024.2016   | 35.80           | 5.28                  | -42.59          | 48.67          | 47.16          | 74.00          | 26.84       | Pass   | H        | PK     |
| 4     | 7311.0000   | 36.41           | 5.85                  | -42.14          | 46.90          | 47.02          | 74.00          | 26.98       | Pass   | H        | PK     |
| 5     | 9748.0000   | 37.70           | 6.77                  | -42.10          | 50.10          | 52.47          | 74.00          | 21.53       | Pass   | H        | PK     |
| 6     | 10509.500   | 38.50           | 7.05                  | -41.99          | 49.13          | 52.69          | 74.00          | 21.31       | Pass   | H        | PK     |
| 7     | 1800.0800   | 30.38           | 3.32                  | -42.71          | 58.93          | 49.92          | 74.00          | 24.08       | Pass   | V        | PK     |
| 8     | 1998.6999   | 31.69           | 3.47                  | -43.20          | 55.61          | 47.57          | 74.00          | 26.43       | Pass   | V        | PK     |
| 9     | 4874.0000   | 34.50           | 4.78                  | -42.80          | 46.87          | 43.35          | 74.00          | 30.65       | Pass   | V        | PK     |
| 10    | 6258.2172   | 35.85           | 5.37                  | -42.55          | 48.97          | 47.64          | 74.00          | 26.36       | Pass   | V        | PK     |
| 11    | 7311.0000   | 36.41           | 5.85                  | -42.14          | 46.24          | 46.36          | 74.00          | 27.64       | Pass   | V        | PK     |
| 12    | 9748.0000   | 37.70           | 6.77                  | -42.10          | 46.37          | 48.74          | 74.00          | 25.26       | Pass   | V        | PK     |

| Mode: |             |                 | 802.11 g Transmitting |                 |                |                |                | Channel:    |        | 2462     |        |
|-------|-------------|-----------------|-----------------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB]       | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 1992.6993   | 31.65           | 3.46                  | -43.18          | 52.06          | 43.99          | 74.00          | 30.01       | Pass   | H        | PK     |
| 2     | 3931.0621   | 33.74           | 4.34                  | -43.01          | 49.91          | 44.98          | 74.00          | 29.02       | Pass   | H        | PK     |
| 3     | 4924.0000   | 34.50           | 4.85                  | -42.80          | 47.55          | 44.10          | 74.00          | 29.90       | Pass   | H        | PK     |
| 4     | 7386.0000   | 36.49           | 5.85                  | -42.13          | 46.25          | 46.46          | 74.00          | 27.54       | Pass   | H        | PK     |
| 5     | 9179.4120   | 37.66           | 6.44                  | -42.03          | 49.26          | 51.33          | 74.00          | 22.67       | Pass   | H        | PK     |
| 6     | 9848.0000   | 37.74           | 6.83                  | -42.10          | 45.54          | 48.01          | 74.00          | 25.99       | Pass   | H        | PK     |
| 7     | 1800.0800   | 30.38           | 3.32                  | -42.71          | 56.70          | 47.69          | 74.00          | 26.31       | Pass   | V        | PK     |
| 8     | 1990.6991   | 31.64           | 3.46                  | -43.18          | 55.79          | 47.71          | 74.00          | 26.29       | Pass   | V        | PK     |
| 9     | 4924.0000   | 34.50           | 4.85                  | -42.80          | 46.76          | 43.31          | 74.00          | 30.69       | Pass   | V        | PK     |
| 10    | 6469.2313   | 35.89           | 5.50                  | -42.50          | 49.13          | 48.02          | 74.00          | 25.98       | Pass   | V        | PK     |
| 11    | 7386.0000   | 36.49           | 5.85                  | -42.13          | 47.26          | 47.47          | 74.00          | 26.53       | Pass   | V        | PK     |
| 12    | 9848.0000   | 37.74           | 6.83                  | -42.10          | 46.69          | 49.16          | 74.00          | 24.84       | Pass   | V        | PK     |



| Mode: |             |                 | 802.11 n(HT20) Transmitting |                 |                |                |                | Channel:    |        | 2412     |        |
|-------|-------------|-----------------|-----------------------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB]             | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 1945.2945   | 31.34           | 3.42                        | -43.07          | 51.51          | 43.20          | 74.00          | 30.80       | Pass   | H        | PK     |
| 2     | 3197.0131   | 33.28           | 4.65                        | -43.11          | 50.49          | 45.31          | 74.00          | 28.69       | Pass   | H        | PK     |
| 3     | 4824.0000   | 34.50           | 4.61                        | -42.80          | 48.43          | 44.74          | 74.00          | 29.26       | Pass   | H        | PK     |
| 4     | 7236.0000   | 36.34           | 5.79                        | -42.16          | 46.46          | 46.43          | 74.00          | 27.57       | Pass   | H        | PK     |
| 5     | 9103.4069   | 37.68           | 6.44                        | -42.02          | 49.03          | 51.13          | 74.00          | 22.87       | Pass   | H        | PK     |
| 6     | 9648.0000   | 37.66           | 6.72                        | -42.10          | 46.06          | 48.34          | 74.00          | 25.66       | Pass   | H        | PK     |
| 7     | 1799.6800   | 30.38           | 3.32                        | -42.71          | 56.44          | 47.43          | 74.00          | 26.57       | Pass   | V        | PK     |
| 8     | 1992.2992   | 31.65           | 3.46                        | -43.18          | 56.64          | 48.57          | 74.00          | 25.43       | Pass   | V        | PK     |
| 9     | 2197.9198   | 31.98           | 3.65                        | -43.16          | 54.46          | 46.93          | 74.00          | 27.07       | Pass   | V        | PK     |
| 10    | 4824.0000   | 34.50           | 4.61                        | -42.80          | 46.73          | 43.04          | 74.00          | 30.96       | Pass   | V        | PK     |
| 11    | 7236.0000   | 36.34           | 5.79                        | -42.16          | 46.18          | 46.15          | 74.00          | 27.85       | Pass   | V        | PK     |
| 12    | 9648.0000   | 37.66           | 6.72                        | -42.10          | 46.26          | 48.54          | 74.00          | 25.46       | Pass   | V        | PK     |

| Mode: |             |                 | 802.11 n(HT20) Transmitting |                 |                |                |                | Channel:    |        | 2437     |        |
|-------|-------------|-----------------|-----------------------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB]             | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 1995.8996   | 31.67           | 3.47                        | -43.19          | 52.30          | 44.25          | 74.00          | 29.75       | Pass   | H        | PK     |
| 2     | 3766.0511   | 33.61           | 4.36                        | -43.05          | 50.24          | 45.16          | 74.00          | 28.84       | Pass   | H        | PK     |
| 3     | 4874.0000   | 34.50           | 4.78                        | -42.80          | 46.57          | 43.05          | 74.00          | 30.95       | Pass   | H        | PK     |
| 4     | 6339.2226   | 35.87           | 5.46                        | -42.53          | 49.39          | 48.19          | 74.00          | 25.81       | Pass   | H        | PK     |
| 5     | 7311.0000   | 36.41           | 5.85                        | -42.14          | 46.23          | 46.35          | 74.00          | 27.65       | Pass   | H        | PK     |
| 6     | 9748.0000   | 37.70           | 6.77                        | -42.10          | 46.42          | 48.79          | 74.00          | 25.21       | Pass   | H        | PK     |
| 7     | 1798.6799   | 30.37           | 3.32                        | -42.71          | 57.17          | 48.15          | 74.00          | 25.85       | Pass   | V        | PK     |
| 8     | 1992.2992   | 31.65           | 3.46                        | -43.18          | 57.39          | 49.32          | 74.00          | 24.68       | Pass   | V        | PK     |
| 9     | 3197.0131   | 33.28           | 4.65                        | -43.11          | 51.90          | 46.72          | 74.00          | 27.28       | Pass   | V        | PK     |
| 10    | 4874.0000   | 34.50           | 4.78                        | -42.80          | 47.80          | 44.28          | 74.00          | 29.72       | Pass   | V        | PK     |
| 11    | 7311.0000   | 36.41           | 5.85                        | -42.14          | 45.40          | 45.52          | 74.00          | 28.48       | Pass   | V        | PK     |
| 12    | 9748.0000   | 37.70           | 6.77                        | -42.10          | 46.82          | 49.19          | 74.00          | 24.81       | Pass   | V        | PK     |

| Mode: |             |                 | 802.11 n(HT20) Transmitting |                 |                |                |                | Channel:    |        | 2462     |        |
|-------|-------------|-----------------|-----------------------------|-----------------|----------------|----------------|----------------|-------------|--------|----------|--------|
| NO    | Freq. [MHz] | Ant Factor [dB] | Cable loss [dB]             | Pream gain [dB] | Reading [dBμV] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Result | Polarity | Remark |
| 1     | 1998.0998   | 31.69           | 3.47                        | -43.20          | 51.35          | 43.31          | 74.00          | 30.69       | Pass   | H        | PK     |
| 2     | 4601.1067   | 34.50           | 5.05                        | -42.80          | 49.14          | 45.89          | 74.00          | 28.11       | Pass   | H        | PK     |
| 3     | 4924.0000   | 34.50           | 4.85                        | -42.80          | 47.11          | 43.66          | 74.00          | 30.34       | Pass   | H        | PK     |
| 4     | 7386.0000   | 36.49           | 5.85                        | -42.13          | 47.15          | 47.36          | 74.00          | 26.64       | Pass   | H        | PK     |
| 5     | 9173.4116   | 37.67           | 6.45                        | -42.04          | 49.33          | 51.41          | 74.00          | 22.59       | Pass   | H        | PK     |
| 6     | 9848.0000   | 37.74           | 6.83                        | -42.10          | 46.93          | 49.40          | 74.00          | 24.60       | Pass   | H        | PK     |
| 7     | 1797.0797   | 30.36           | 3.31                        | -42.70          | 54.56          | 45.53          | 74.00          | 28.47       | Pass   | V        | PK     |
| 8     | 1992.4993   | 31.65           | 3.46                        | -43.18          | 57.82          | 49.75          | 74.00          | 24.25       | Pass   | V        | PK     |
| 9     | 3891.0594   | 33.71           | 4.34                        | -43.02          | 50.08          | 45.11          | 74.00          | 28.89       | Pass   | V        | PK     |
| 10    | 4924.0000   | 34.50           | 4.85                        | -42.80          | 46.71          | 43.26          | 74.00          | 30.74       | Pass   | V        | PK     |
| 11    | 7386.0000   | 36.49           | 5.85                        | -42.13          | 45.89          | 46.10          | 74.00          | 27.90       | Pass   | V        | PK     |
| 12    | 9848.0000   | 37.74           | 6.83                        | -42.10          | 46.08          | 48.55          | 74.00          | 25.45       | Pass   | V        | PK     |

**Note:**

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

2) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.