

## Appendix A: DTS Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.668        | 2401.660 | 2402.328 | 0.5        | PASS    |
|          |         | 2440           | 0.668        | 2439.660 | 2440.328 | 0.5        | PASS    |
|          |         | 2480           | 0.652        | 2479.668 | 2480.320 | 0.5        | PASS    |
| BLE_2M   | Ant1    | 2404           | 1.104        | 2403.436 | 2404.540 | 0.5        | PASS    |
|          |         | 2440           | 1.136        | 2439.432 | 2440.568 | 0.5        | PASS    |
|          |         | 2478           | 0.960        | 2477.432 | 2478.392 | 0.5        | PASS    |

## Test Graphs

BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440



BLE\_1M\_Ant1\_2480



BLE\_2M\_Ant1\_2404



BLE\_2M\_Ant1\_2440



## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|-----------|-----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 1.0366       | 2401.4863 | 2402.5229 | ---        | ---     |
|          |         | 2440           | 1.0368       | 2439.4861 | 2440.5229 | ---        | ---     |
|          |         | 2480           | 1.0421       | 2479.4808 | 2480.5229 | ---        | ---     |
| BLE_2M   | Ant1    | 2404           | 2.0769       | 2402.9779 | 2405.0548 | ---        | ---     |
|          |         | 2440           | 2.0845       | 2438.9704 | 2441.0549 | ---        | ---     |
|          |         | 2478           | 2.0826       | 2476.9697 | 2479.0523 | ---        | ---     |

## Test Graphs

BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440



BLE\_1M\_Ant1\_2480



BLE\_2M\_Ant1\_2404



BLE\_2M\_Ant1\_2440



## Appendix C: Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | Frequency[MHz] | Conducted Power[dBm] | Conducted Limit[dBm] | EIRP[dBm] | EIRP Limit[dBm] | Verdict |
|----------|---------|----------------|----------------------|----------------------|-----------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -0.27                | ≤30                  | 3.79      | ≤36             | PASS    |
|          |         | 2440           | -0.76                | ≤30                  | 3.30      | ≤36             | PASS    |
|          |         | 2480           | -0.72                | ≤30                  | 3.34      | ≤36             | PASS    |
| BLE_2M   | Ant1    | 2404           | -0.56                | ≤30                  | 3.50      | ≤36             | PASS    |
|          |         | 2440           | -0.89                | ≤30                  | 3.17      | ≤36             | PASS    |
|          |         | 2478           | -0.89                | ≤30                  | 3.17      | ≤36             | PASS    |

## Test Graphs Peak

BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440



BLE\_1M\_Ant1\_2480



BLE\_2M\_Ant1\_2404



BLE\_2M\_Ant1\_2440



BLE\_2M\_Ant1\_2478



## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -16.36           | ≤8.00           | PASS    |
|          |         | 2440           | -16.73           | ≤8.00           | PASS    |
|          |         | 2480           | -16.08           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2404           | -17.60           | ≤8.00           | PASS    |
|          |         | 2440           | -18.42           | ≤8.00           | PASS    |
|          |         | 2478           | -19.07           | ≤8.00           | PASS    |

## Test Graphs

BLE\_1M\_Ant1\_2402



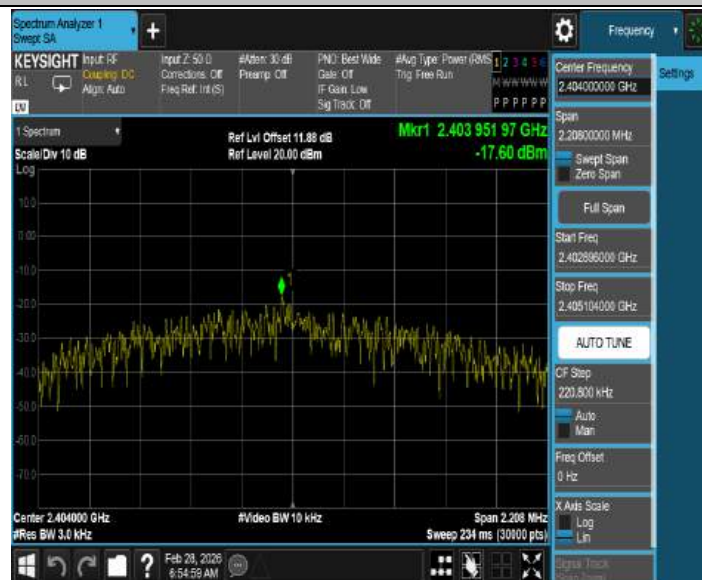
BLE\_1M\_Ant1\_2440



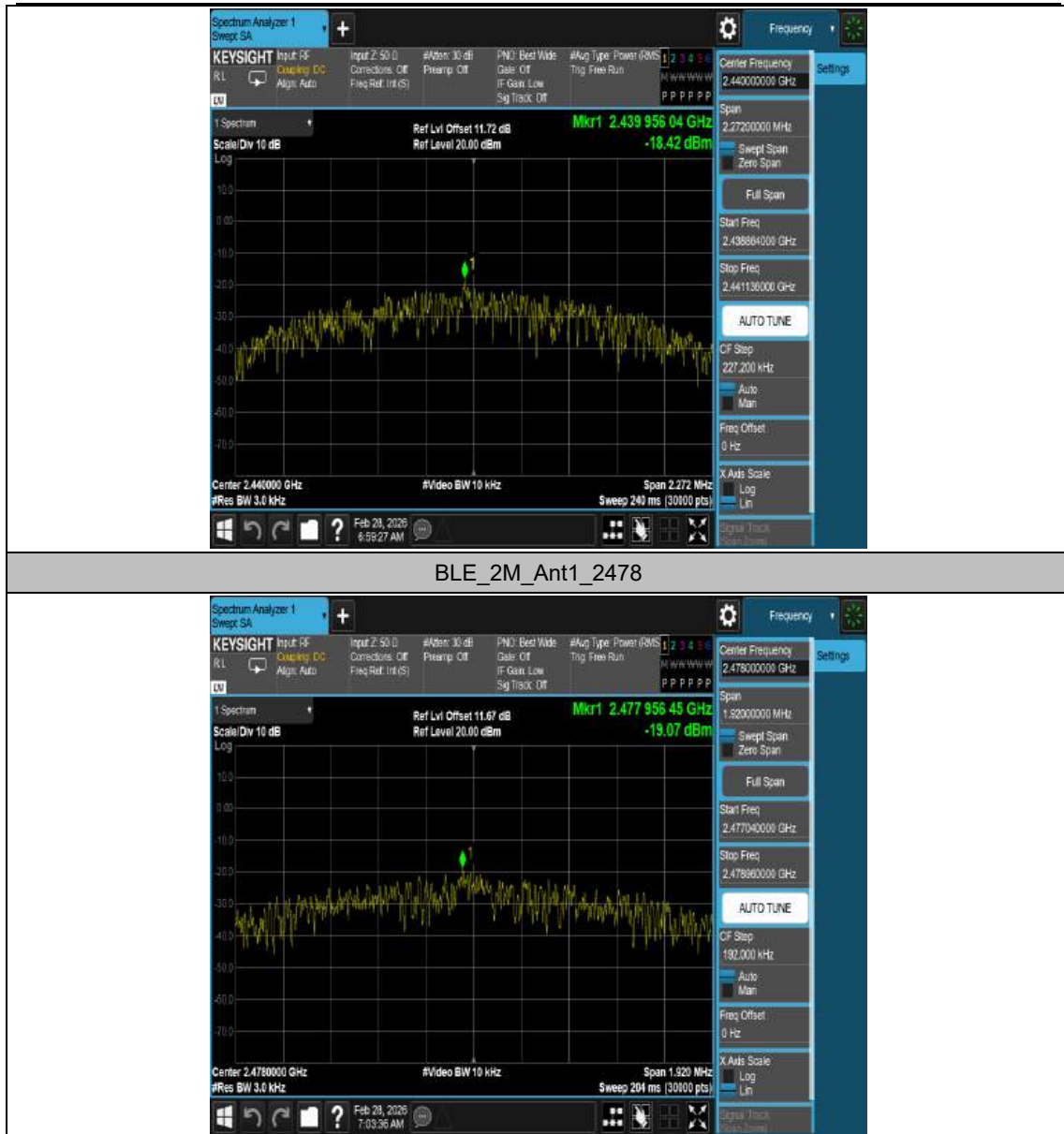
BLE\_1M\_Ant1\_2480



BLE\_2M\_Ant1\_2404



BLE\_2M\_Ant1\_2440



## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | ChName | Frequency<br>[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|--------------------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low    | 2402               | -0.80         | -46.46      | ≤-20.8     | PASS    |
|          |         | High   | 2480               | -1.31         | -46.99      | ≤-21.31    | PASS    |
| BLE_2M   | Ant1    | Low    | 2404               | -1.22         | -46.46      | ≤-21.22    | PASS    |
|          |         | High   | 2478               | -1.38         | -46.74      | ≤-21.38    | PASS    |

## Test Graphs

BLE\_1M\_Ant1\_Low\_2402



BLE\_1M\_Ant1\_High\_2480



BLE\_2M\_Ant1\_Low\_2404



## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Frequency<br>[MHz] | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------------------|--------------------|-------------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402               | Reference          | -0.84             | -0.84       | ---        | PASS    |
|          |         |                    | 30~1000            | -0.84             | -58.17      | ≤-20.84    | PASS    |
|          |         |                    | 1000~26500         | -0.84             | -46.7       | ≤-20.84    | PASS    |
|          |         | 2440               | Reference          | -1.24             | -1.24       | ---        | PASS    |
|          |         |                    | 30~1000            | -1.24             | -58.39      | ≤-21.24    | PASS    |
|          |         |                    | 1000~26500         | -1.24             | -50.52      | ≤-21.24    | PASS    |
|          |         | 2480               | Reference          | -1.30             | -1.30       | ---        | PASS    |
|          |         |                    | 30~1000            | -1.30             | -57.93      | ≤-21.3     | PASS    |
|          |         |                    | 1000~26500         | -1.30             | -50.43      | ≤-21.3     | PASS    |
| BLE_2M   | Ant1    | 2404               | Reference          | -1.23             | -1.23       | ---        | PASS    |
|          |         |                    | 30~1000            | -1.23             | -57.58      | ≤-21.23    | PASS    |
|          |         |                    | 1000~26500         | -1.23             | -50.22      | ≤-21.23    | PASS    |
|          |         | 2440               | Reference          | -1.44             | -1.44       | ---        | PASS    |
|          |         |                    | 30~1000            | -1.44             | -58.56      | ≤-21.44    | PASS    |
|          |         |                    | 1000~26500         | -1.44             | -50.76      | ≤-21.44    | PASS    |
|          |         | 2478               | Reference          | -1.49             | -1.49       | ---        | PASS    |
|          |         |                    | 30~1000            | -1.49             | -57.62      | ≤-21.49    | PASS    |
|          |         |                    | 1000~26500         | -1.49             | -50.48      | ≤-21.49    | PASS    |

## Test Graphs

BLE\_1M\_Ant1\_2402\_0~Reference



BLE\_1M\_Ant1\_2402\_30~1000



BLE\_1M\_Ant1\_2402\_1000~26500



BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000



BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference



BLE\_1M\_Ant1\_2480\_30~1000



BLE\_1M\_Ant1\_2480\_1000~26500



BLE\_2M\_Ant1\_2404\_0~Reference



BLE\_2M\_Ant1\_2404\_30~1000



BLE\_2M\_Ant1\_2404\_1000~26500



BLE\_2M\_Ant1\_2440\_0~Reference



BLE\_2M\_Ant1\_2440\_30~1000



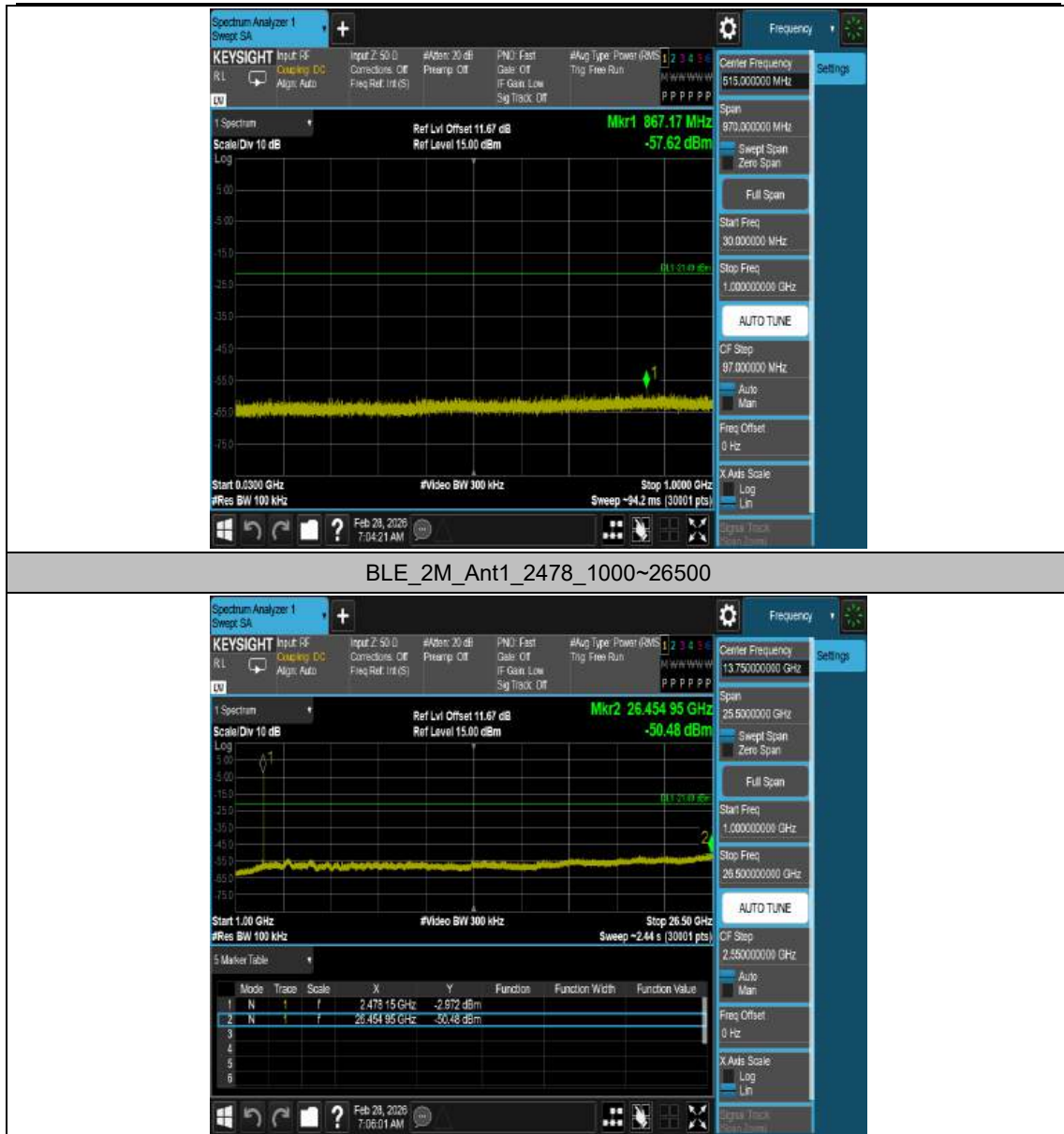
BLE\_2M\_Ant1\_2440\_1000~26500



BLE\_2M\_Ant1\_2478\_0~Reference



BLE\_2M\_Ant1\_2478\_30~1000



## Appendix G: Duty Cycle

### Test Result

| TestMode | Antenna | Frequency[MHz] | ON Time<br>[ms] | Period<br>[ms] | Duty Cycle<br>[%] | Duty Cycle<br>Factor[dB] |
|----------|---------|----------------|-----------------|----------------|-------------------|--------------------------|
| BLE_1M   | Ant1    | 2402           | 0.40            | 0.63           | 63.49             | 1.97                     |
|          |         | 2440           | 0.40            | 0.63           | 63.49             | 1.97                     |
|          |         | 2480           | 0.40            | 0.63           | 63.49             | 1.97                     |
| BLE_2M   | Ant1    | 2404           | 0.21            | 0.63           | 33.33             | 4.77                     |
|          |         | 2440           | 0.21            | 0.63           | 33.33             | 4.77                     |
|          |         | 2478           | 0.21            | 0.63           | 33.33             | 4.77                     |

## Test Graphs

BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440



BLE\_1M\_Ant1\_2480



BLE\_2M\_Ant1\_2404



BLE\_2M\_Ant1\_2440

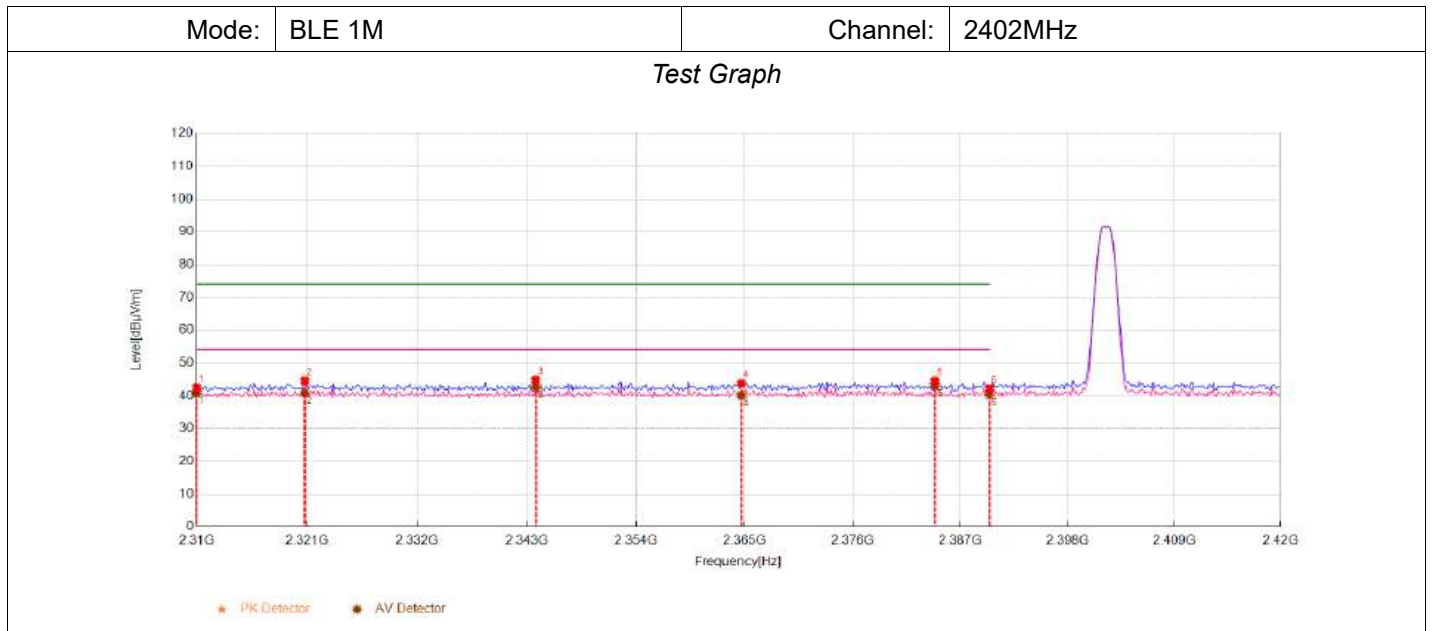


BLE\_2M\_Ant1\_2478



## Appendix H: Emissions in Restricted Bands

### Test Result



#### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity   | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|------------|---------|
| 1   | 2310.0000       | 37.77            | 42.44          | 4.67        | 74.00          | 31.56       | 100         | 50        | PK  | Horizontal | PASS    |
| 2   | 2320.7800       | 39.59            | 44.50          | 4.91        | 74.00          | 29.50       | 100         | 262       | PK  | Horizontal | PASS    |
| 3   | 2343.8800       | 39.77            | 44.72          | 4.95        | 74.00          | 29.28       | 100         | 98        | PK  | Horizontal | PASS    |
| 4   | 2364.6700       | 38.78            | 43.76          | 4.98        | 74.00          | 30.24       | 100         | 10        | PK  | Horizontal | PASS    |
| 5   | 2384.3600       | 39.40            | 44.44          | 5.04        | 74.00          | 29.56       | 100         | 275       | PK  | Horizontal | PASS    |
| 6   | 2390.0000       | 37.20            | 42.15          | 4.95        | 74.00          | 31.85       | 100         | 307       | PK  | Horizontal | PASS    |

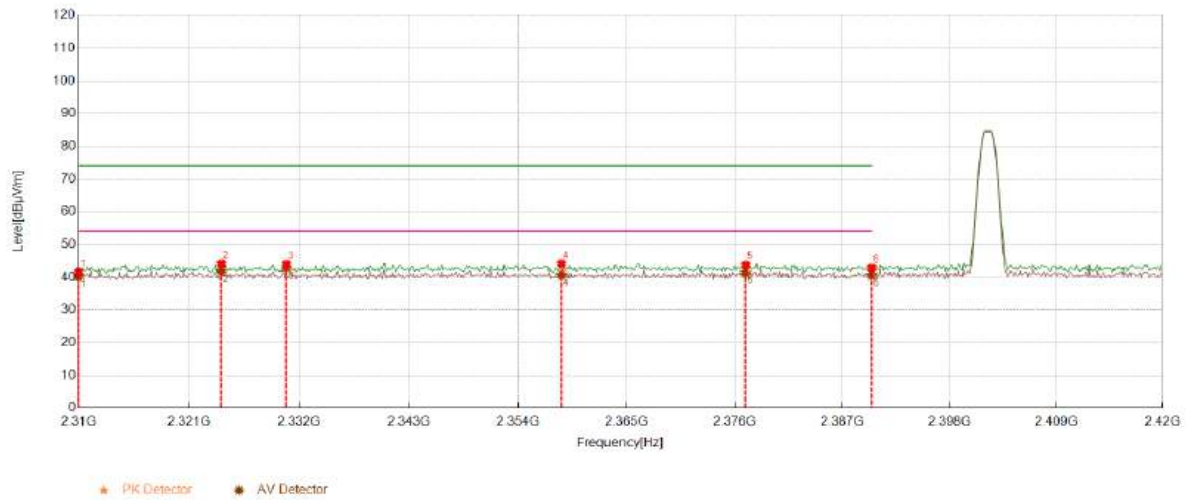
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 1M

Channel: 2402MHz

Test Graph



Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|----------|---------|
| 1   | 2310.0000       | 36.86            | 41.53          | 4.67        | 74.00          | 32.47       | 100         | 289       | PK  | Vertical | PASS    |
| 2   | 2324.1900       | 39.21            | 44.07          | 4.86        | 74.00          | 29.93       | 100         | 153       | PK  | Vertical | PASS    |
| 3   | 2330.6800       | 39.16            | 43.95          | 4.79        | 74.00          | 30.05       | 100         | 330       | PK  | Vertical | PASS    |
| 4   | 2358.4000       | 39.14            | 44.09          | 4.95        | 74.00          | 29.91       | 100         | 316       | PK  | Vertical | PASS    |
| 5   | 2377.1000       | 38.67            | 43.75          | 5.08        | 74.00          | 30.25       | 100         | 333       | PK  | Vertical | PASS    |
| 6   | 2390.0000       | 37.91            | 42.86          | 4.95        | 74.00          | 31.14       | 100         | 131       | PK  | Vertical | PASS    |

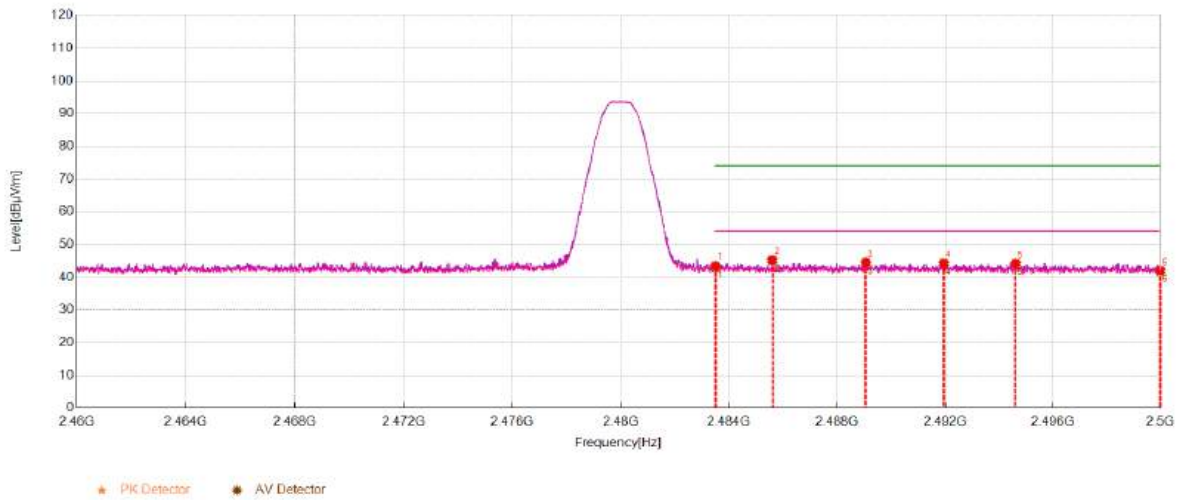
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 1M

Channel: 2480MHz

Test Graph



Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity   | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|------------|---------|
| 1   | 2483.5000       | 38.02            | 43.48          | 5.46        | 74.00          | 30.52       | 100         | 76        | PK  | Horizontal | PASS    |
| 2   | 2485.6035       | 39.66            | 45.16          | 5.50        | 74.00          | 28.84       | 100         | 35        | PK  | Horizontal | PASS    |
| 3   | 2489.0647       | 38.87            | 44.43          | 5.56        | 74.00          | 29.57       | 100         | 99        | PK  | Horizontal | PASS    |
| 4   | 2491.9504       | 38.68            | 44.24          | 5.56        | 74.00          | 29.76       | 100         | 198       | PK  | Horizontal | PASS    |
| 5   | 2494.6203       | 38.62            | 44.19          | 5.57        | 74.00          | 29.81       | 100         | 99        | PK  | Horizontal | PASS    |
| 6   | 2500.0000       | 36.48            | 41.98          | 5.50        | 74.00          | 32.02       | 100         | 276       | PK  | Horizontal | PASS    |

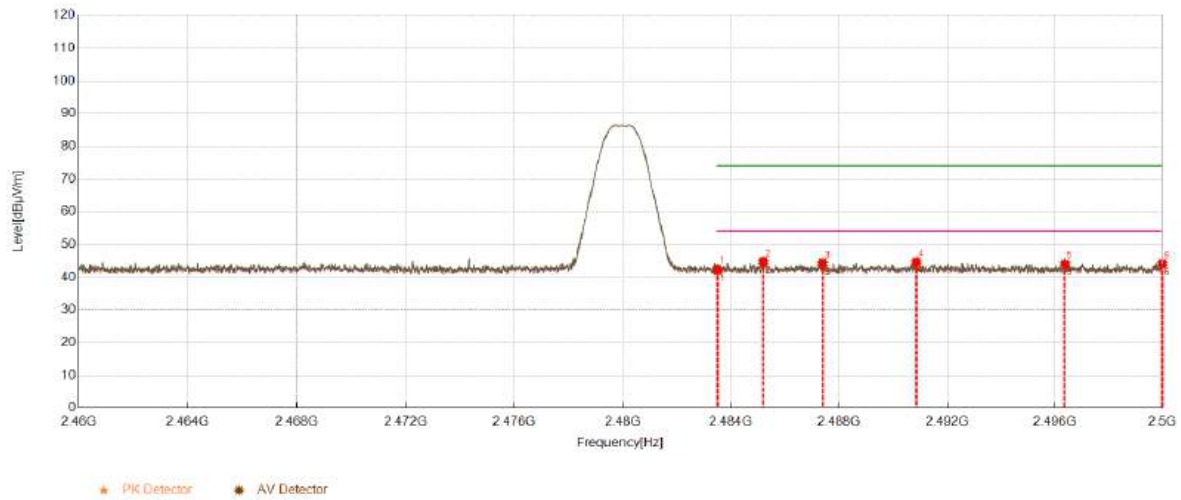
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 1M

Channel: 2480MHz

Test Graph



Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|----------|---------|
| 1   | 2483.5000       | 36.84            | 42.30          | 5.46        | 74.00          | 31.70       | 100         | 0         | PK  | Vertical | PASS    |
| 2   | 2485.1879       | 39.11            | 44.64          | 5.53        | 74.00          | 29.36       | 100         | 227       | PK  | Vertical | PASS    |
| 3   | 2487.3941       | 38.68            | 44.19          | 5.51        | 74.00          | 29.81       | 100         | 274       | PK  | Vertical | PASS    |
| 4   | 2490.8633       | 38.94            | 44.49          | 5.55        | 74.00          | 29.51       | 100         | 48        | PK  | Vertical | PASS    |
| 5   | 2496.3789       | 38.43            | 44.00          | 5.57        | 74.00          | 30.00       | 100         | 247       | PK  | Vertical | PASS    |
| 6   | 2500.0000       | 38.59            | 44.09          | 5.50        | 74.00          | 29.91       | 100         | 83        | PK  | Vertical | PASS    |

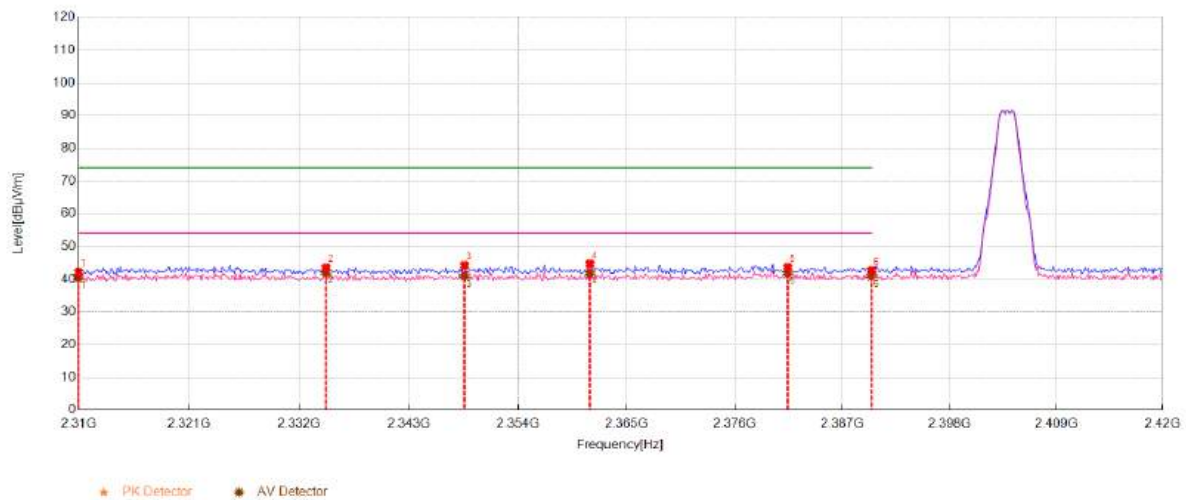
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 2M

Channel: 2404MHz

Test Graph



Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity   | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|------------|---------|
| 1   | 2310.0000       | 37.44            | 42.11          | 4.67        | 74.00          | 31.89       | 100         | 4         | PK  | Horizontal | PASS    |
| 2   | 2334.6400       | 38.73            | 43.53          | 4.80        | 74.00          | 30.47       | 100         | 251       | PK  | Horizontal | PASS    |
| 3   | 2348.6100       | 39.23            | 44.22          | 4.99        | 74.00          | 29.78       | 100         | 38        | PK  | Horizontal | PASS    |
| 4   | 2361.2600       | 39.75            | 44.67          | 4.92        | 74.00          | 29.33       | 100         | 160       | PK  | Horizontal | PASS    |
| 5   | 2381.3900       | 38.65            | 43.68          | 5.03        | 74.00          | 30.32       | 100         | 251       | PK  | Horizontal | PASS    |
| 6   | 2390.0000       | 37.72            | 42.67          | 4.95        | 74.00          | 31.33       | 100         | 344       | PK  | Horizontal | PASS    |

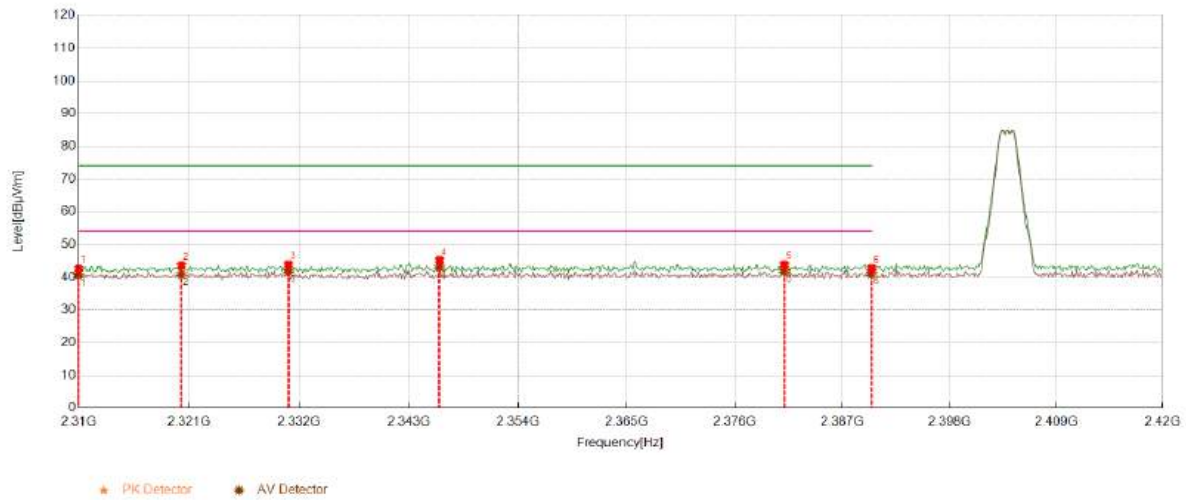
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 2M

Channel: 2404MHz

Test Graph



Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|----------|---------|
| 1   | 2310.0000       | 37.90            | 42.57          | 4.67        | 74.00          | 31.43       | 100         | 248       | PK  | Vertical | PASS    |
| 2   | 2320.2300       | 38.68            | 43.59          | 4.91        | 74.00          | 30.41       | 100         | 193       | PK  | Vertical | PASS    |
| 3   | 2330.9000       | 39.05            | 43.84          | 4.79        | 74.00          | 30.16       | 100         | 206       | PK  | Vertical | PASS    |
| 4   | 2346.0800       | 40.16            | 45.12          | 4.96        | 74.00          | 28.88       | 100         | 117       | PK  | Vertical | PASS    |
| 5   | 2381.0600       | 38.80            | 43.83          | 5.03        | 74.00          | 30.17       | 100         | 193       | PK  | Vertical | PASS    |
| 6   | 2390.0000       | 37.80            | 42.75          | 4.95        | 74.00          | 31.25       | 100         | 8         | PK  | Vertical | PASS    |

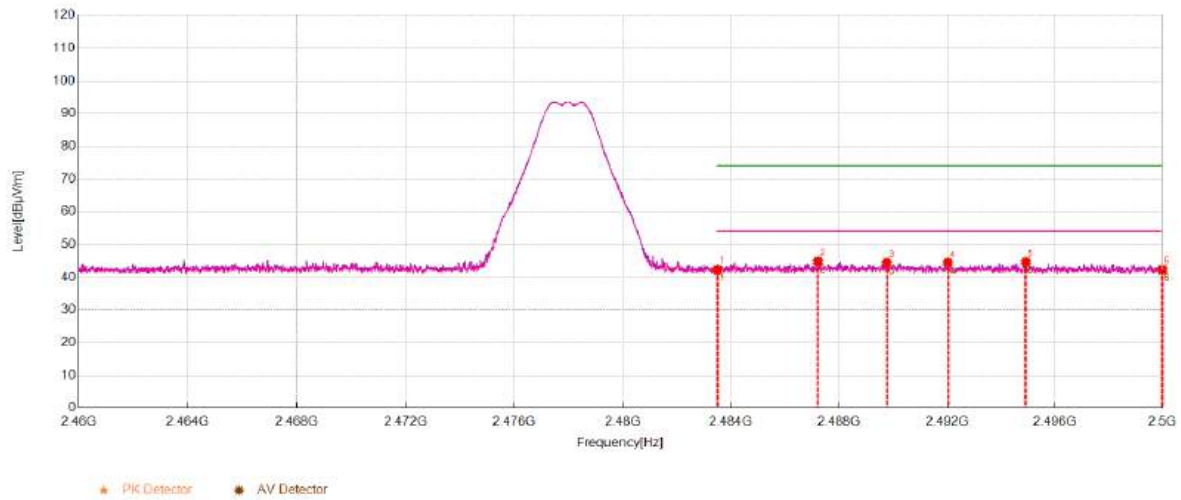
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 2M

Channel: 2478MHz

Test Graph



Suspected Data List

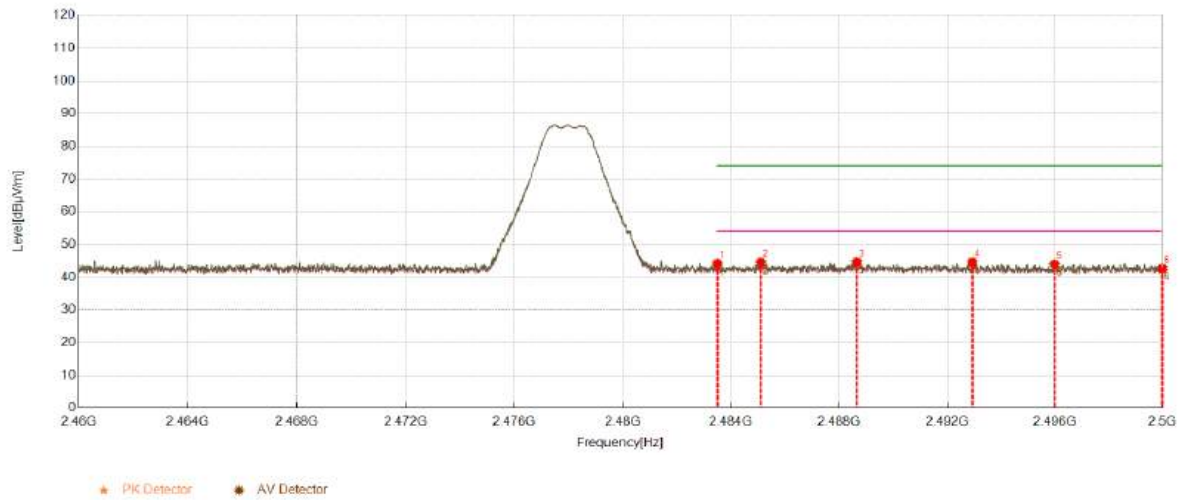
| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity   | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|------------|---------|
| 1   | 2483.5000       | 36.85            | 42.31          | 5.46        | 74.00          | 31.69       | 100         | 67        | PK  | Horizontal | PASS    |
| 2   | 2487.2102       | 39.27            | 44.79          | 5.52        | 74.00          | 29.21       | 100         | 128       | PK  | Horizontal | PASS    |
| 3   | 2489.7682       | 38.84            | 44.41          | 5.57        | 74.00          | 29.59       | 100         | 159       | PK  | Horizontal | PASS    |
| 4   | 2492.0304       | 38.86            | 44.42          | 5.56        | 74.00          | 29.58       | 100         | 101       | PK  | Horizontal | PASS    |
| 5   | 2494.9241       | 39.00            | 44.56          | 5.56        | 74.00          | 29.44       | 100         | 0         | PK  | Horizontal | PASS    |
| 6   | 2500.0000       | 36.85            | 42.35          | 5.50        | 74.00          | 31.65       | 100         | 186       | PK  | Horizontal | PASS    |

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 2M

Channel: 2478MHz

*Test Graph*

**Suspected Data List**

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|----------|---------|
| 1   | 2483.5000       | 38.66            | 44.12          | 5.46        | 74.00          | 29.88       | 100         | 104       | PK  | Vertical | PASS    |
| 2   | 2485.0999       | 38.93            | 44.46          | 5.53        | 74.00          | 29.54       | 100         | 8         | PK  | Vertical | PASS    |
| 3   | 2488.6491       | 38.97            | 44.50          | 5.53        | 74.00          | 29.50       | 100         | 345       | PK  | Vertical | PASS    |
| 4   | 2492.9416       | 38.88            | 44.45          | 5.57        | 74.00          | 29.55       | 100         | 244       | PK  | Vertical | PASS    |
| 5   | 2495.9872       | 38.38            | 43.94          | 5.56        | 74.00          | 30.06       | 100         | 244       | PK  | Vertical | PASS    |
| 6   | 2500.0000       | 37.18            | 42.68          | 5.50        | 74.00          | 31.32       | 100         | 345       | PK  | Vertical | PASS    |

Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

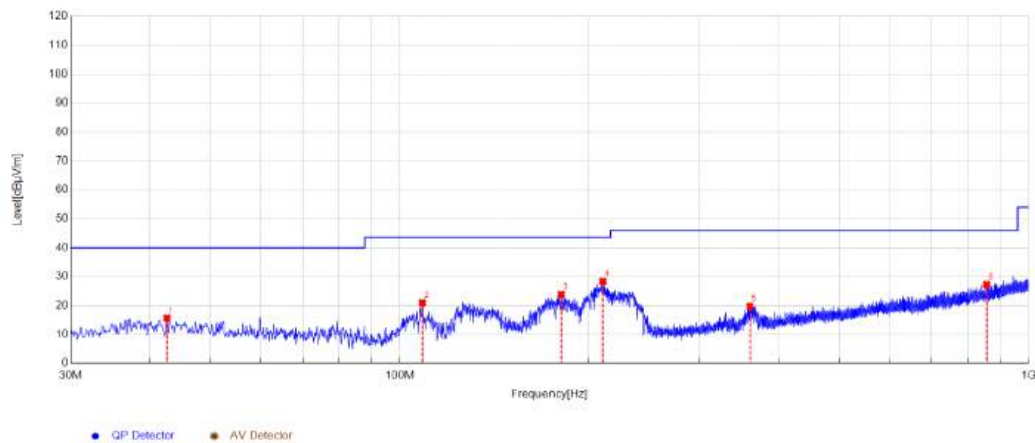
## Appendix I: Spurious emissions

### Test Result

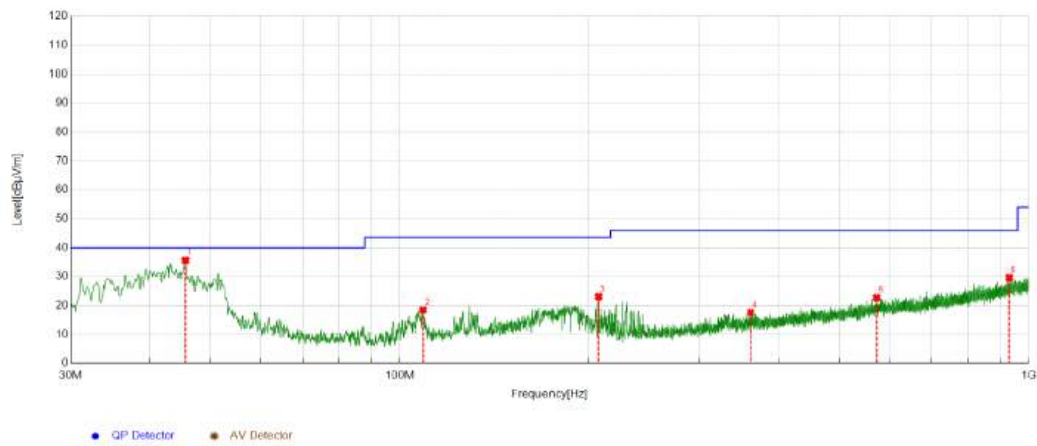
Note:

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels. The test data of the worst-case (1M-2402MHz) condition was recorded in this report. The measurement results above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz are reported.



| Suspected Data List |                 |                  |                |             |                |             |             |           |     |            |         |
|---------------------|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|------------|---------|
| NO.                 | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity   | Verdict |
| 1                   | 42.6113         | 31.45            | 15.59          | -15.86      | 40.00          | 24.41       | 150         | 10        | PK  | Horizontal | PASS    |
| 2                   | 108.6749        | 39.83            | 20.95          | -18.88      | 43.50          | 22.55       | 150         | 290       | PK  | Horizontal | PASS    |
| 3                   | 180.6561        | 41.37            | 23.90          | -17.47      | 43.50          | 19.60       | 150         | 60        | PK  | Horizontal | PASS    |
| 4                   | 210.2440        | 47.49            | 28.36          | -19.13      | 43.50          | 15.14       | 150         | 220       | PK  | Horizontal | PASS    |
| 5                   | 360.3180        | 34.31            | 19.75          | -14.56      | 46.00          | 26.25       | 150         | 310       | PK  | Horizontal | PASS    |
| 6                   | 857.1047        | 32.35            | 27.29          | -5.06       | 46.00          | 18.71       | 150         | 250       | PK  | Horizontal | PASS    |



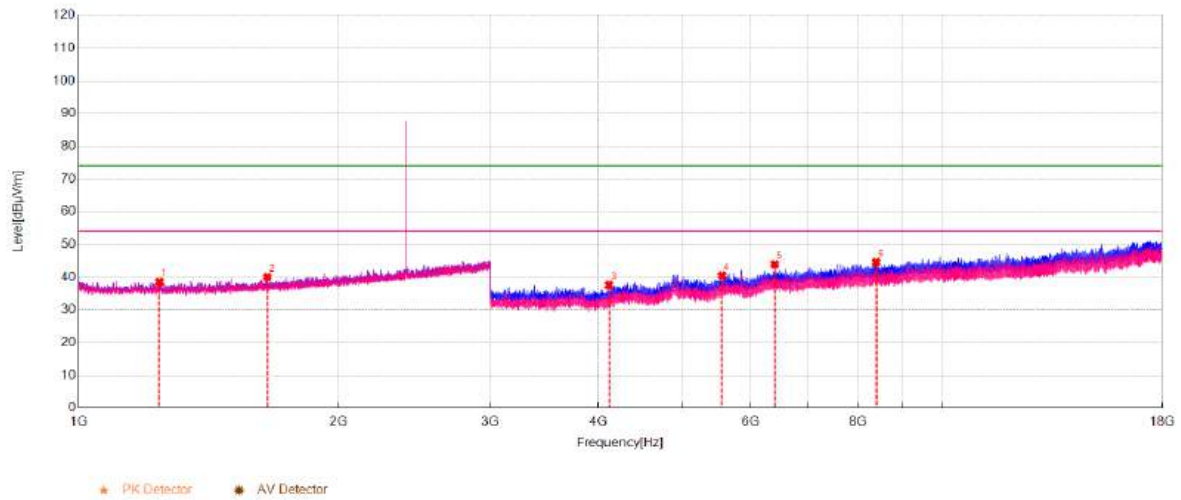
### Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|----------|---------|
| 1   | 45.6186         | 51.48            | 35.62          | -15.86      | 40.00          | 4.38        | 150         | 180       | PK  | Vertical | PASS    |
| 2   | 108.9659        | 37.31            | 18.47          | -18.84      | 43.50          | 25.03       | 150         | 10        | PK  | Vertical | PASS    |
| 3   | 207.0427        | 42.08            | 23.03          | -19.05      | 43.50          | 20.47       | 150         | 350       | PK  | Vertical | PASS    |
| 4   | 361.2881        | 32.16            | 17.61          | -14.55      | 46.00          | 28.39       | 150         | 110       | PK  | Vertical | PASS    |
| 5   | 573.0603        | 32.29            | 22.68          | -9.61       | 46.00          | 23.32       | 150         | 260       | PK  | Vertical | PASS    |
| 6   | 931.9962        | 32.64            | 29.61          | -3.03       | 46.00          | 16.39       | 150         | 280       | PK  | Vertical | PASS    |

Mode: BLE 1M

Channel: 2402MHz

Test Graph



Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity   | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|------------|---------|
| 1   | 1240.4000       | 38.95            | 38.51          | -0.44       | 74.00          | 35.49       | 150         | 178       | PK  | Horizontal | PASS    |
| 2   | 1654.8000       | 39.59            | 40.05          | 0.46        | 74.00          | 33.95       | 150         | 88        | PK  | Horizontal | PASS    |
| 3   | 4115.5000       | 54.99            | 37.60          | -17.39      | 74.00          | 36.40       | 150         | 248       | PK  | Horizontal | PASS    |
| 4   | 5561.5000       | 53.56            | 40.51          | -13.05      | 74.00          | 33.49       | 150         | 349       | PK  | Horizontal | PASS    |
| 5   | 6405.0000       | 54.51            | 43.91          | -10.60      | 74.00          | 30.09       | 150         | 286       | PK  | Horizontal | PASS    |
| 6   | 8390.0000       | 51.99            | 44.57          | -7.42       | 74.00          | 29.43       | 150         | 349       | PK  | Horizontal | PASS    |

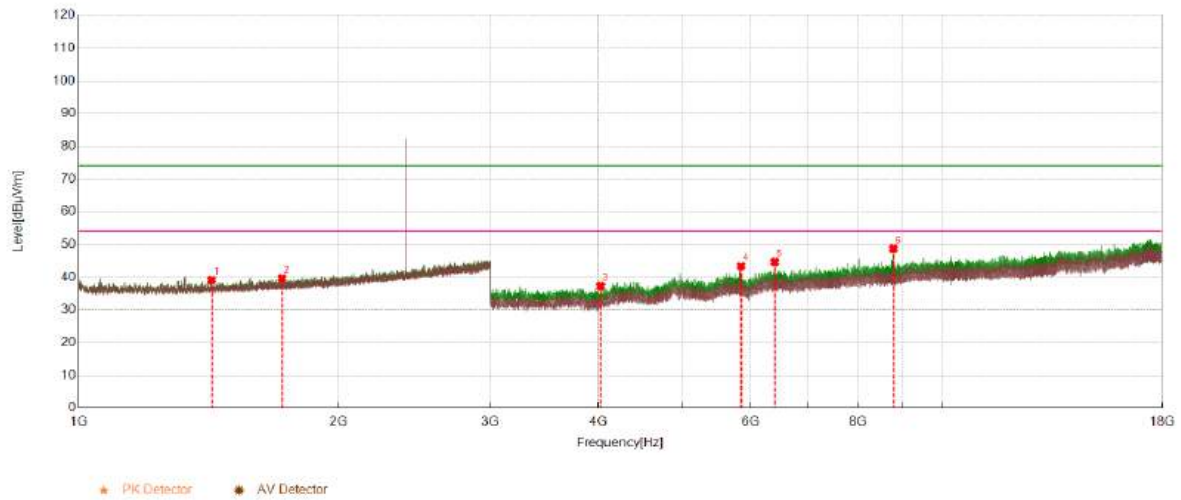
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 1M

Channel: 2402MHz

Test Graph



Suspected Data List

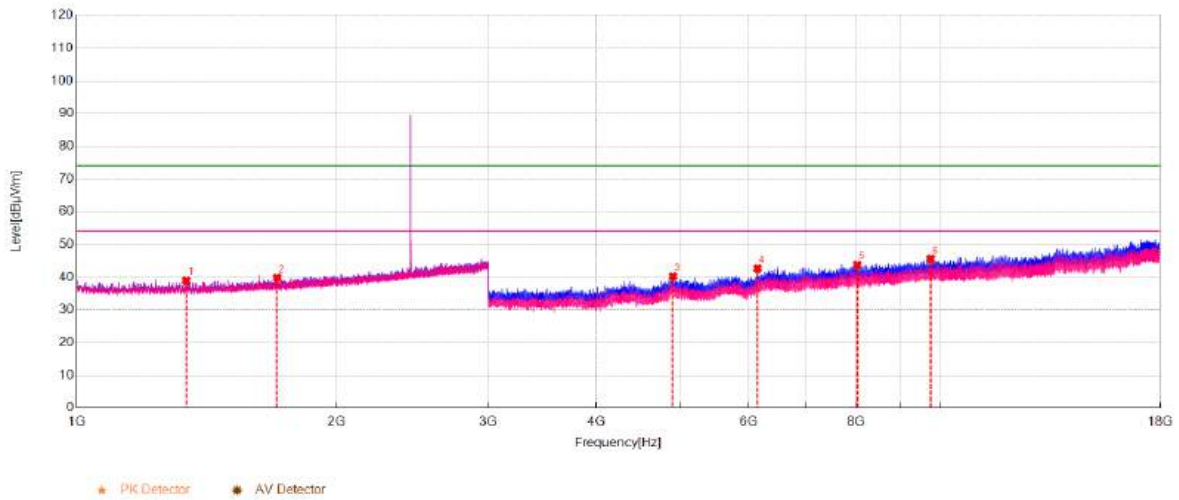
| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|----------|---------|
| 1   | 1426.6000       | 39.36            | 39.11          | -0.25       | 74.00          | 34.89       | 150         | 360       | PK  | Vertical | PASS    |
| 2   | 1720.8000       | 38.99            | 39.63          | 0.64        | 74.00          | 34.37       | 150         | 181       | PK  | Vertical | PASS    |
| 3   | 4025.5000       | 54.74            | 37.24          | -17.50      | 74.00          | 36.76       | 150         | 59        | PK  | Vertical | PASS    |
| 4   | 5852.5000       | 55.44            | 43.37          | -12.07      | 74.00          | 30.63       | 150         | 255       | PK  | Vertical | PASS    |
| 5   | 6405.0000       | 55.21            | 44.61          | -10.60      | 74.00          | 29.39       | 150         | 331       | PK  | Vertical | PASS    |
| 6   | 8787.0000       | 55.34            | 48.68          | -6.66       | 74.00          | 25.32       | 150         | 78        | PK  | Vertical | PASS    |

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 1M

Channel: 2440MHz

*Test Graph*

**Suspected Data List**

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity   | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|------------|---------|
| 1   | 1340.6000       | 39.33            | 38.95          | -0.38       | 74.00          | 35.05       | 150         | 71        | PK  | Horizontal | PASS    |
| 2   | 1707.0000       | 39.19            | 39.86          | 0.67        | 74.00          | 34.14       | 150         | 330       | PK  | Horizontal | PASS    |
| 3   | 4904.0000       | 53.67            | 40.31          | -13.36      | 74.00          | 33.69       | 150         | 217       | PK  | Horizontal | PASS    |
| 4   | 6148.5000       | 53.27            | 42.68          | -10.59      | 74.00          | 31.32       | 150         | 350       | PK  | Horizontal | PASS    |
| 5   | 8019.5000       | 51.17            | 43.80          | -7.37       | 74.00          | 30.20       | 150         | 172       | PK  | Horizontal | PASS    |
| 6   | 9760.0000       | 50.13            | 45.54          | -4.59       | 74.00          | 28.46       | 150         | 22        | PK  | Horizontal | PASS    |

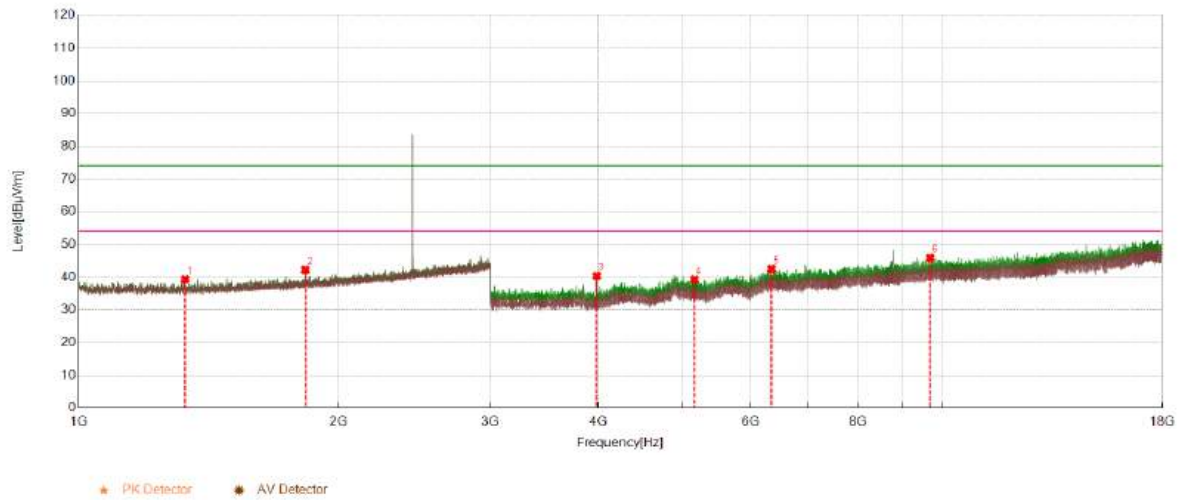
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 1M

Channel: 2440MHz

Test Graph



## Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|----------|---------|
| 1   | 1329.0000       | 39.93            | 39.36          | -0.57       | 74.00          | 34.64       | 150         | 92        | PK  | Vertical | PASS    |
| 2   | 1831.2000       | 41.03            | 42.26          | 1.23        | 74.00          | 31.74       | 150         | 112       | PK  | Vertical | PASS    |
| 3   | 3981.5000       | 57.94            | 40.39          | -17.55      | 74.00          | 33.61       | 150         | 38        | PK  | Vertical | PASS    |
| 4   | 5168.5000       | 52.19            | 39.26          | -12.93      | 74.00          | 34.74       | 150         | 127       | PK  | Vertical | PASS    |
| 5   | 6344.5000       | 52.80            | 42.51          | -10.29      | 74.00          | 31.49       | 150         | 147       | PK  | Vertical | PASS    |
| 6   | 9688.5000       | 50.48            | 45.89          | -4.59       | 74.00          | 28.11       | 150         | 306       | PK  | Vertical | PASS    |

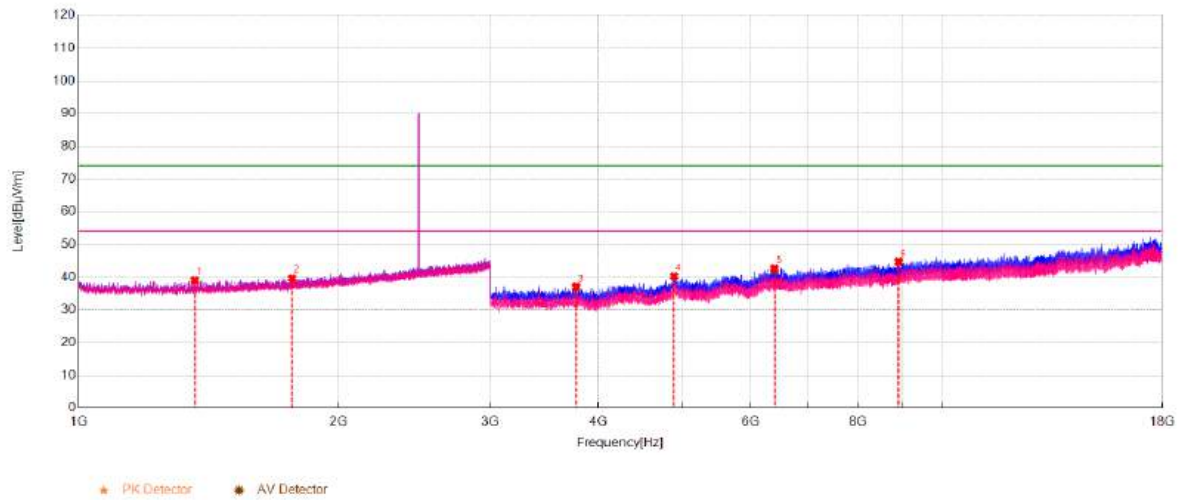
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 1M

Channel: 2480MHz

Test Graph



Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity   | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|------------|---------|
| 1   | 1363.8000       | 39.49            | 39.02          | -0.47       | 74.00          | 34.98       | 150         | 53        | PK  | Horizontal | PASS    |
| 2   | 1767.2000       | 38.69            | 39.64          | 0.95        | 74.00          | 34.36       | 150         | 171       | PK  | Horizontal | PASS    |
| 3   | 3771.0000       | 55.82            | 36.99          | -18.83      | 74.00          | 37.01       | 150         | 268       | PK  | Horizontal | PASS    |
| 4   | 4893.5000       | 53.94            | 40.30          | -13.64      | 74.00          | 33.70       | 150         | 281       | PK  | Horizontal | PASS    |
| 5   | 6398.0000       | 53.36            | 42.62          | -10.74      | 74.00          | 31.38       | 150         | 306       | PK  | Horizontal | PASS    |
| 6   | 8908.5000       | 51.33            | 44.67          | -6.66       | 74.00          | 29.33       | 150         | 67        | PK  | Horizontal | PASS    |

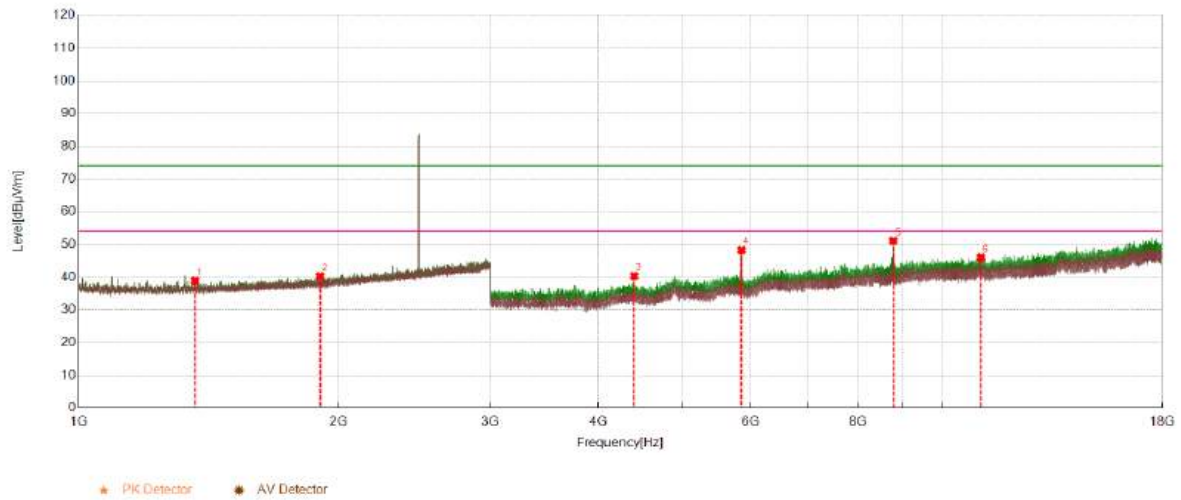
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 1M

Channel: 2480MHz

Test Graph



Suspected Data List

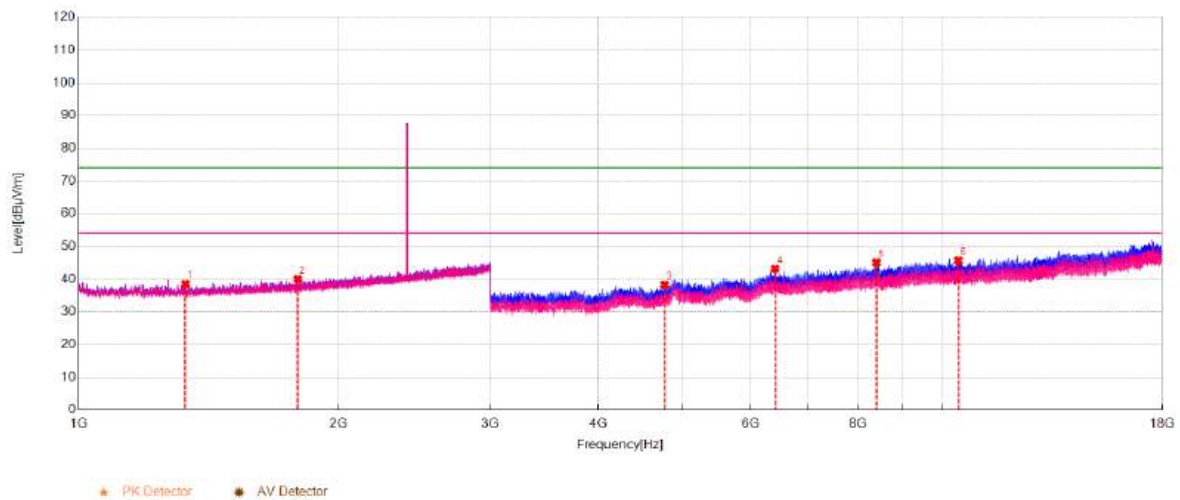
| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|----------|---------|
| 1   | 1365.0000       | 39.35            | 38.91          | -0.44       | 74.00          | 35.09       | 150         | 323       | PK  | Vertical | PASS    |
| 2   | 1904.4000       | 38.81            | 40.33          | 1.52        | 74.00          | 33.67       | 150         | 256       | PK  | Vertical | PASS    |
| 3   | 4399.5000       | 56.60            | 40.36          | -16.24      | 74.00          | 33.64       | 150         | 165       | PK  | Vertical | PASS    |
| 4   | 5860.5000       | 60.18            | 48.29          | -11.89      | 74.00          | 25.71       | 150         | 184       | PK  | Vertical | PASS    |
| 5   | 8784.5000       | 57.67            | 51.07          | -6.60       | 74.00          | 22.93       | 150         | 63        | PK  | Vertical | PASS    |
| 6   | 11094.5000      | 48.85            | 45.99          | -2.86       | 74.00          | 28.01       | 150         | 286       | PK  | Vertical | PASS    |

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 2M

Channel: 2404MHz

*Test Graph*

**Suspected Data List**

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity   | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|------------|---------|
| 1   | 1330.4000       | 39.09            | 38.49          | -0.60       | 74.00          | 35.51       | 150         | 103       | PK  | Horizontal | PASS    |
| 2   | 1794.8000       | 39.07            | 40.08          | 1.01        | 74.00          | 33.92       | 150         | 356       | PK  | Horizontal | PASS    |
| 3   | 4774.5000       | 52.58            | 38.26          | -14.32      | 74.00          | 35.74       | 150         | 134       | PK  | Horizontal | PASS    |
| 4   | 6410.5000       | 53.59            | 43.18          | -10.41      | 74.00          | 30.82       | 150         | 33        | PK  | Horizontal | PASS    |
| 5   | 8397.5000       | 52.57            | 45.04          | -7.53       | 74.00          | 28.96       | 150         | 61        | PK  | Horizontal | PASS    |
| 6   | 10448.0000      | 49.64            | 45.67          | -3.97       | 74.00          | 28.33       | 150         | 161       | PK  | Horizontal | PASS    |

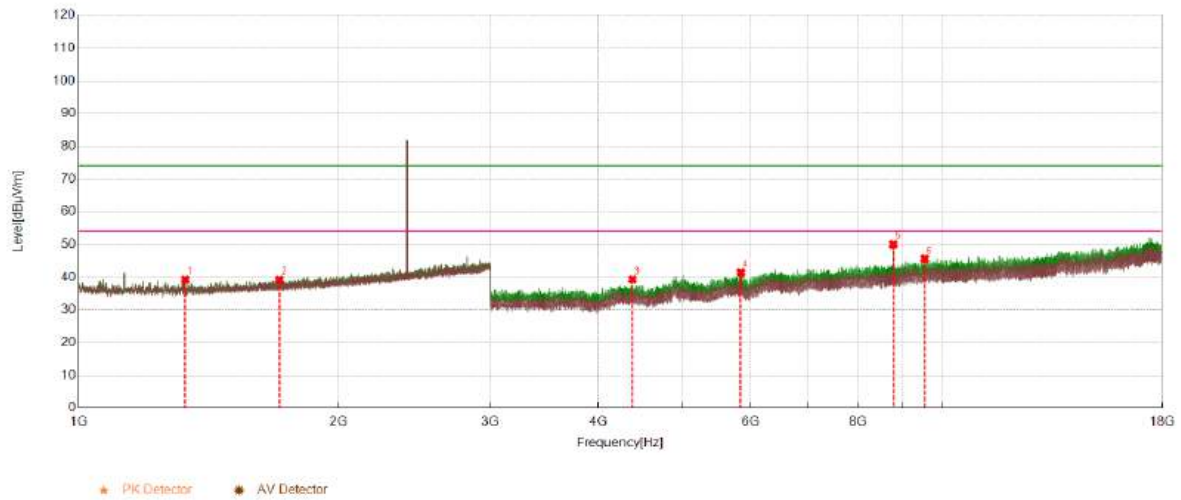
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 2M

Channel: 2404MHz

Test Graph



## Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|----------|---------|
| 1   | 1329.6000       | 39.87            | 39.27          | -0.60       | 74.00          | 34.73       | 150         | 91        | PK  | Vertical | PASS    |
| 2   | 1708.0000       | 38.51            | 39.19          | 0.68        | 74.00          | 34.81       | 150         | 86        | PK  | Vertical | PASS    |
| 3   | 4381.5000       | 56.05            | 39.30          | -16.75      | 74.00          | 34.70       | 150         | 295       | PK  | Vertical | PASS    |
| 4   | 5849.5000       | 53.55            | 41.42          | -12.13      | 74.00          | 32.58       | 150         | 116       | PK  | Vertical | PASS    |
| 5   | 8785.0000       | 56.63            | 50.02          | -6.61       | 74.00          | 23.98       | 150         | 71        | PK  | Vertical | PASS    |
| 6   | 9550.5000       | 50.37            | 45.60          | -4.77       | 74.00          | 28.40       | 150         | 210       | PK  | Vertical | PASS    |

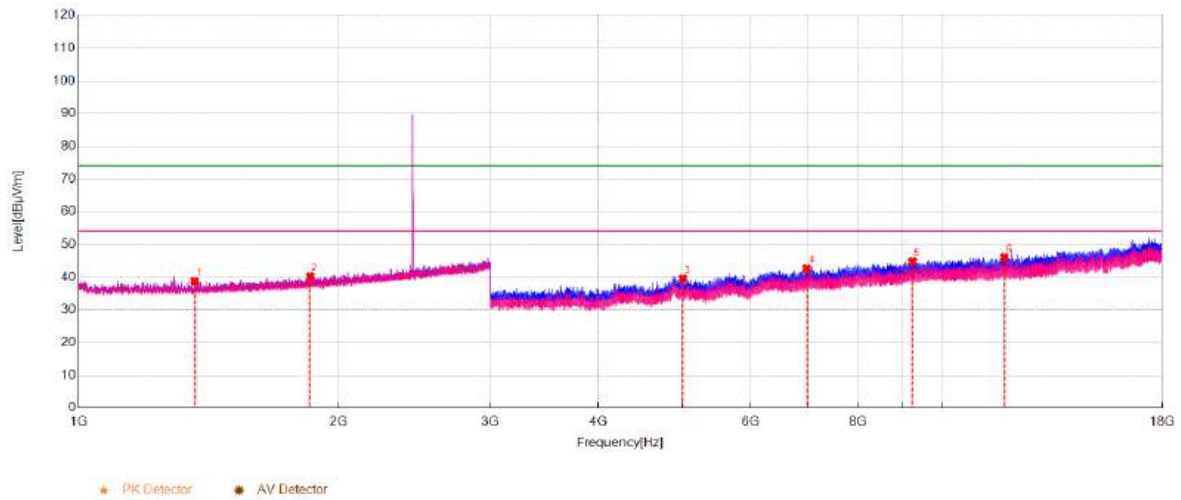
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 2M

Channel: 2440MHz

Test Graph



## Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity   | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|------------|---------|
| 1   | 1363.4000       | 39.26            | 38.78          | -0.48       | 74.00          | 35.22       | 150         | 346       | PK  | Horizontal | PASS    |
| 2   | 1854.6000       | 39.08            | 40.33          | 1.25        | 74.00          | 33.67       | 150         | 258       | PK  | Horizontal | PASS    |
| 3   | 5008.5000       | 53.50            | 39.58          | -13.92      | 74.00          | 34.42       | 150         | 144       | PK  | Horizontal | PASS    |
| 4   | 6975.0000       | 52.52            | 42.65          | -9.87       | 74.00          | 31.35       | 150         | 339       | PK  | Horizontal | PASS    |
| 5   | 9244.0000       | 49.61            | 44.76          | -4.85       | 74.00          | 29.24       | 150         | 333       | PK  | Horizontal | PASS    |
| 6   | 11814.0000      | 47.65            | 46.05          | -1.60       | 74.00          | 27.95       | 150         | 22        | PK  | Horizontal | PASS    |

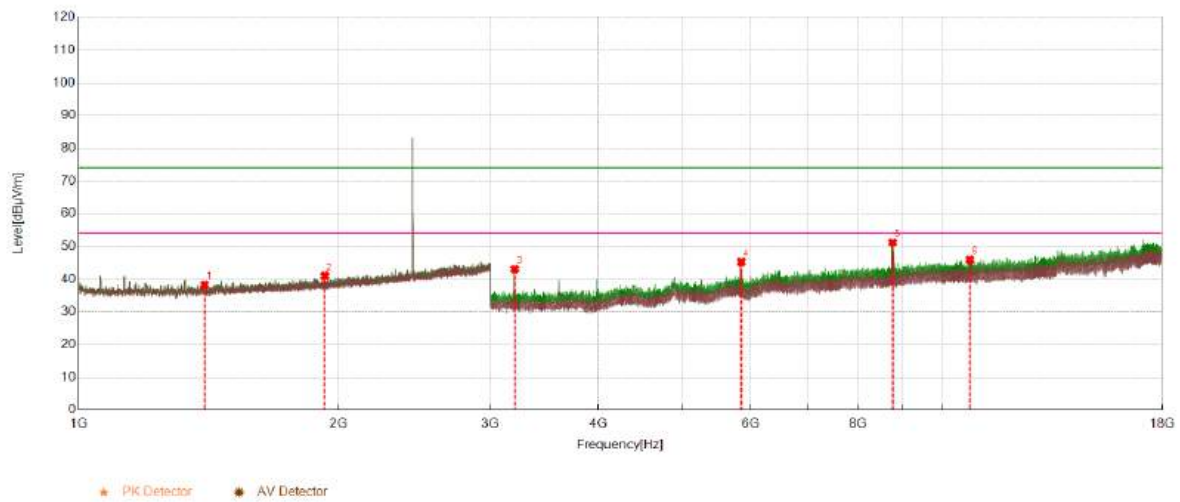
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 2M

Channel: 2440MHz

Test Graph



Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|----------|---------|
| 1   | 1400.0000       | 38.53            | 38.23          | -0.30       | 74.00          | 35.77       | 150         | 57        | PK  | Vertical | PASS    |
| 2   | 1927.8000       | 39.59            | 41.04          | 1.45        | 74.00          | 32.96       | 150         | 302       | PK  | Vertical | PASS    |
| 3   | 3200.0000       | 63.59            | 43.06          | -20.53      | 74.00          | 30.94       | 150         | 52        | PK  | Vertical | PASS    |
| 4   | 5856.0000       | 57.27            | 45.28          | -11.99      | 74.00          | 28.72       | 150         | 198       | PK  | Vertical | PASS    |
| 5   | 8768.5000       | 57.82            | 51.19          | -6.63       | 74.00          | 22.81       | 150         | 89        | PK  | Vertical | PASS    |
| 6   | 10768.5000      | 49.18            | 45.92          | -3.26       | 74.00          | 28.08       | 150         | 186       | PK  | Vertical | PASS    |

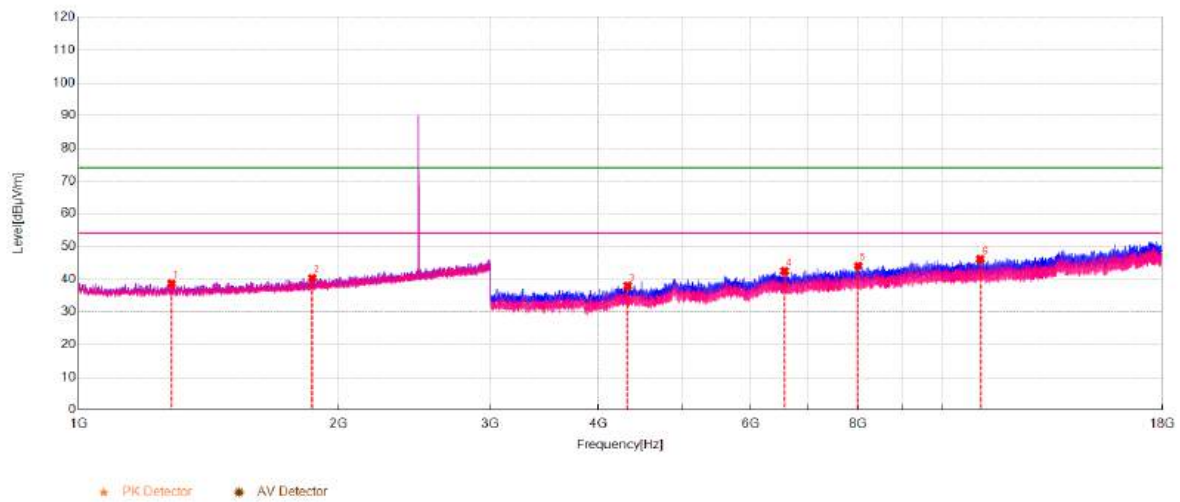
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 2M

Channel: 2478MHz

Test Graph



Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity   | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|------------|---------|
| 1   | 1282.0000       | 39.03            | 38.64          | -0.39       | 74.00          | 35.36       | 150         | 158       | PK  | Horizontal | PASS    |
| 2   | 1865.4000       | 39.05            | 40.38          | 1.33        | 74.00          | 33.62       | 150         | 76        | PK  | Horizontal | PASS    |
| 3   | 4322.0000       | 54.24            | 37.94          | -16.30      | 74.00          | 36.06       | 150         | 250       | PK  | Horizontal | PASS    |
| 4   | 6572.0000       | 52.58            | 42.47          | -10.11      | 74.00          | 31.53       | 150         | 112       | PK  | Horizontal | PASS    |
| 5   | 7995.5000       | 51.66            | 44.07          | -7.59       | 74.00          | 29.93       | 150         | 313       | PK  | Horizontal | PASS    |
| 6   | 11078.5000      | 49.18            | 46.11          | -3.07       | 74.00          | 27.89       | 150         | 31        | PK  | Horizontal | PASS    |

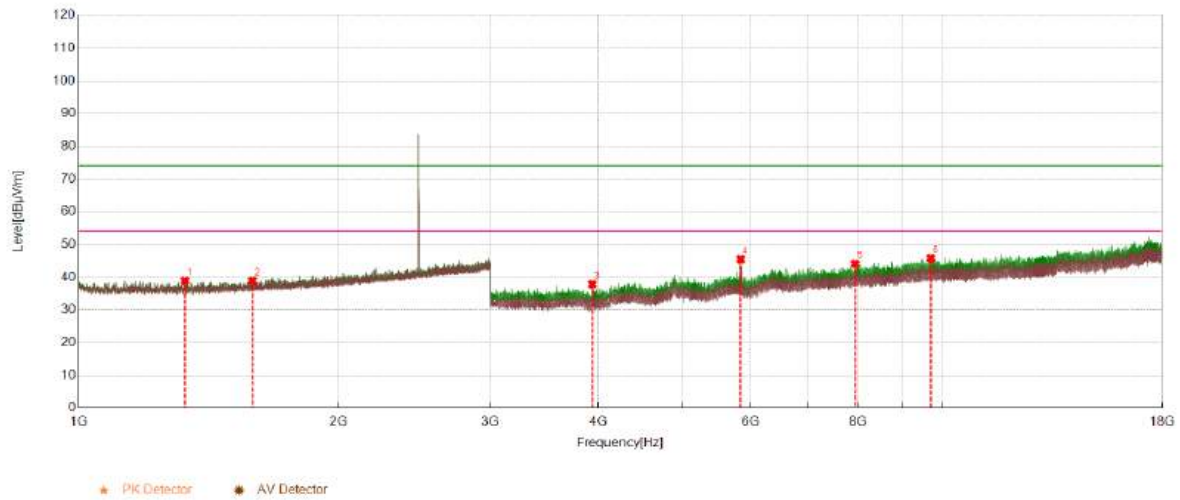
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: BLE 2M

Channel: 2478MHz

Test Graph



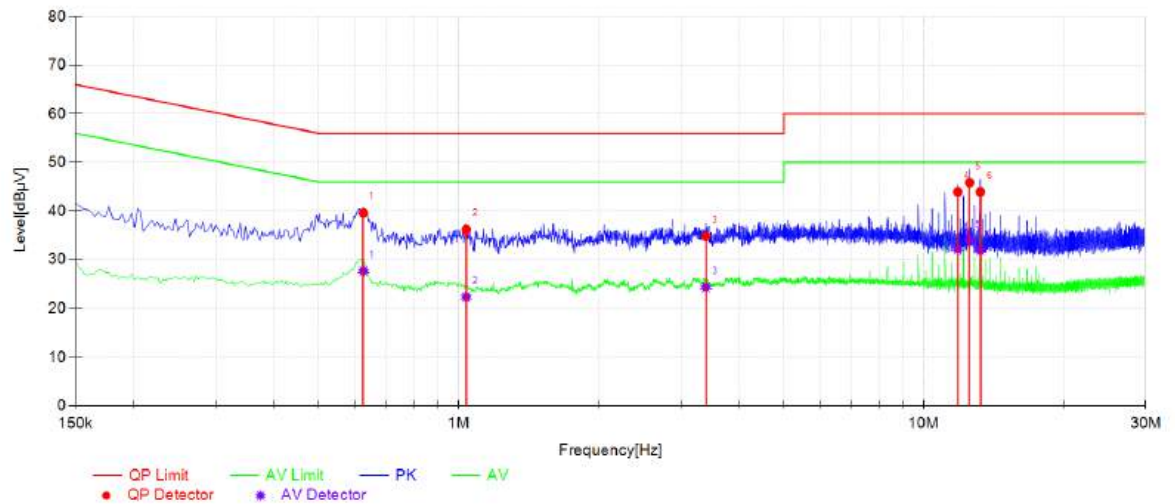
## Suspected Data List

| NO. | Frequency [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Height [cm] | Angle [°] | Det | Polarity | Verdict |
|-----|-----------------|------------------|----------------|-------------|----------------|-------------|-------------|-----------|-----|----------|---------|
| 1   | 1328.2000       | 39.45            | 38.91          | -0.54       | 74.00          | 35.09       | 150         | 114       | PK  | Vertical | PASS    |
| 2   | 1590.6000       | 38.60            | 38.91          | 0.31        | 74.00          | 35.09       | 150         | 28        | PK  | Vertical | PASS    |
| 3   | 3937.5000       | 55.75            | 37.82          | -17.93      | 74.00          | 36.18       | 150         | 55        | PK  | Vertical | PASS    |
| 4   | 5846.5000       | 57.69            | 45.46          | -12.23      | 74.00          | 28.54       | 150         | 131       | PK  | Vertical | PASS    |
| 5   | 7933.0000       | 51.92            | 44.10          | -7.82       | 74.00          | 29.90       | 150         | 174       | PK  | Vertical | PASS    |
| 6   | 9703.5000       | 50.36            | 45.77          | -4.59       | 74.00          | 28.23       | 150         | 112       | PK  | Vertical | PASS    |

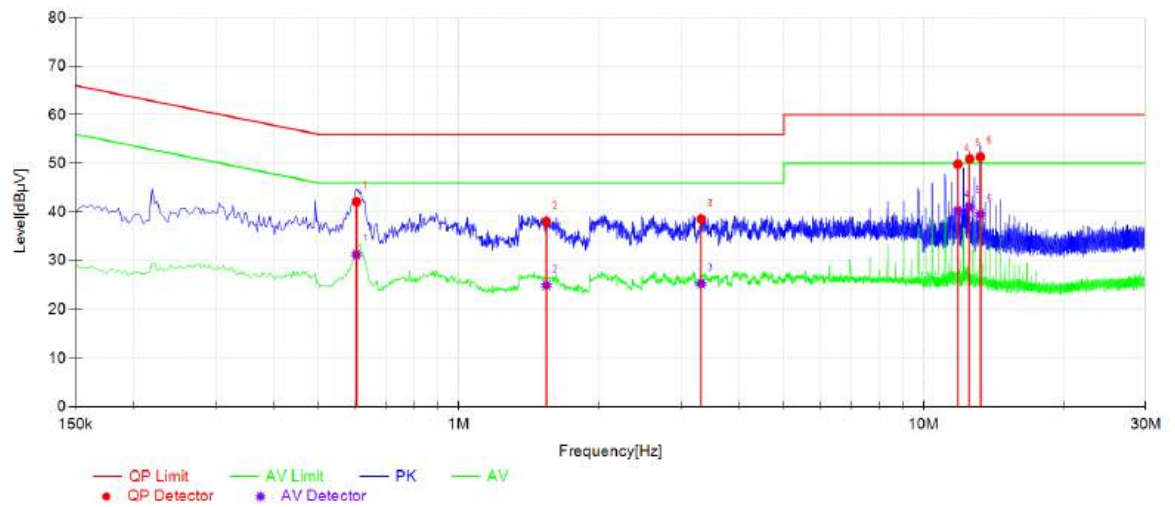
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

## Appendix J: Conducted emission AC power port



| Final Data List |             |             |                 |                 |                |                 |                 |                |      |         |
|-----------------|-------------|-------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|------|---------|
| NO.             | Freq. [MHz] | Factor [dB] | QP Value [dBμV] | QP Limit [dBμV] | QP Margin [dB] | AV Value [dBμV] | AV Limit [dBμV] | AV Margin [dB] | Type | Verdict |
| 1               | 0.624       | 10.26       | 39.61           | 56.00           | 16.39          | 27.71           | 46.00           | 18.29          | L1   | PASS    |
| 2               | 1.038       | 10.36       | 36.21           | 56.00           | 19.79          | 22.32           | 46.00           | 23.68          | L1   | PASS    |
| 3               | 3.405       | 10.29       | 34.79           | 56.00           | 21.21          | 24.37           | 46.00           | 21.63          | L1   | PASS    |
| 4               | 11.854      | 10.48       | 43.97           | 60.00           | 16.03          | 32.20           | 50.00           | 17.80          | L1   | PASS    |
| 5               | 12.55       | 10.50       | 45.85           | 60.00           | 14.15          | 34.00           | 50.00           | 16.00          | L1   | PASS    |
| 6               | 13.243      | 10.52       | 43.97           | 60.00           | 16.03          | 31.95           | 50.00           | 18.05          | L1   | PASS    |



| Final Data List |             |             |                 |                 |                |                 |                 |                |      |         |
|-----------------|-------------|-------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|------|---------|
| NO.             | Freq. [MHz] | Factor [dB] | QP Value [dBμV] | QP Limit [dBμV] | QP Margin [dB] | AV Value [dBμV] | AV Limit [dBμV] | AV Margin [dB] | Type | Verdict |
| 1               | 0.603       | 10.26       | 42.17           | 56.00           | 13.83          | 31.29           | 46.00           | 14.71          | N    | PASS    |
| 2               | 1.545       | 10.33       | 37.98           | 56.00           | 18.02          | 24.94           | 46.00           | 21.06          | N    | PASS    |
| 3               | 3.321       | 10.39       | 38.54           | 56.00           | 17.46          | 25.28           | 46.00           | 20.72          | N    | PASS    |
| 4               | 11.857      | 10.52       | 49.85           | 60.00           | 10.15          | 40.26           | 50.00           | 9.74           | N    | PASS    |
| 5               | 12.55       | 10.55       | 50.92           | 60.00           | 9.08           | 41.08           | 50.00           | 8.92           | N    | PASS    |
| 6               | 13.246      | 10.58       | 51.33           | 60.00           | 8.67           | 39.54           | 50.00           | 10.46          | N    | PASS    |