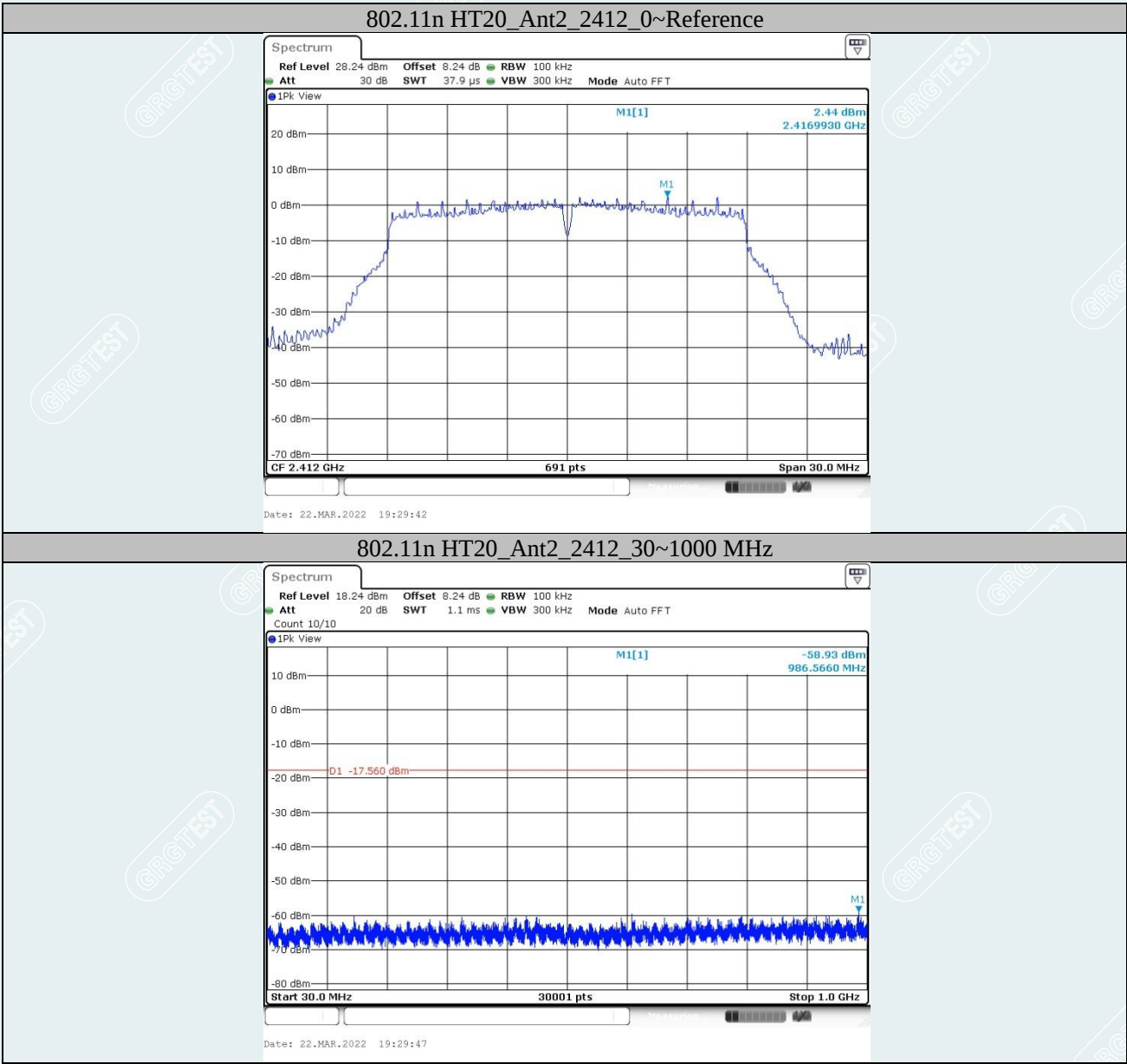
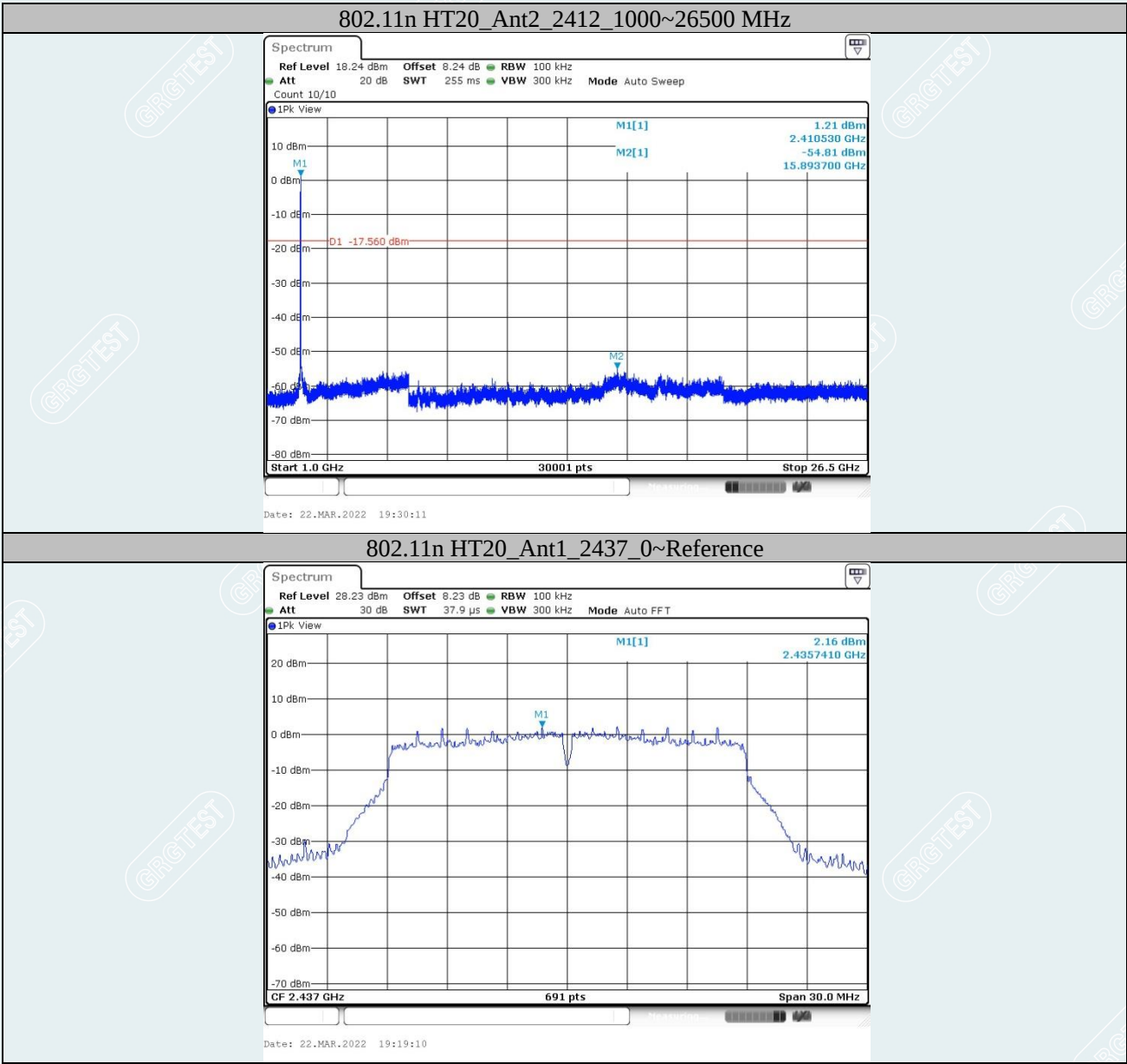
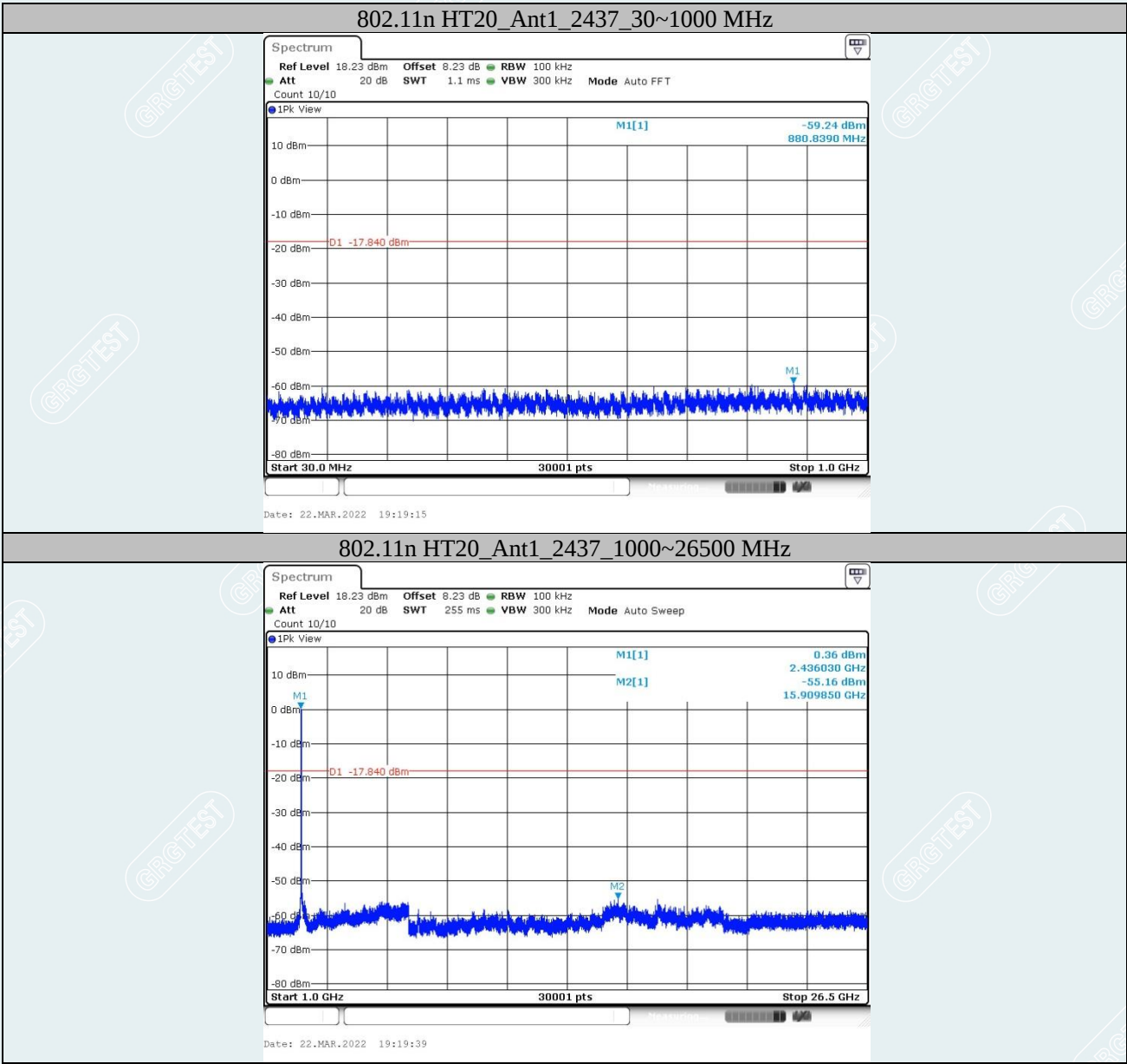
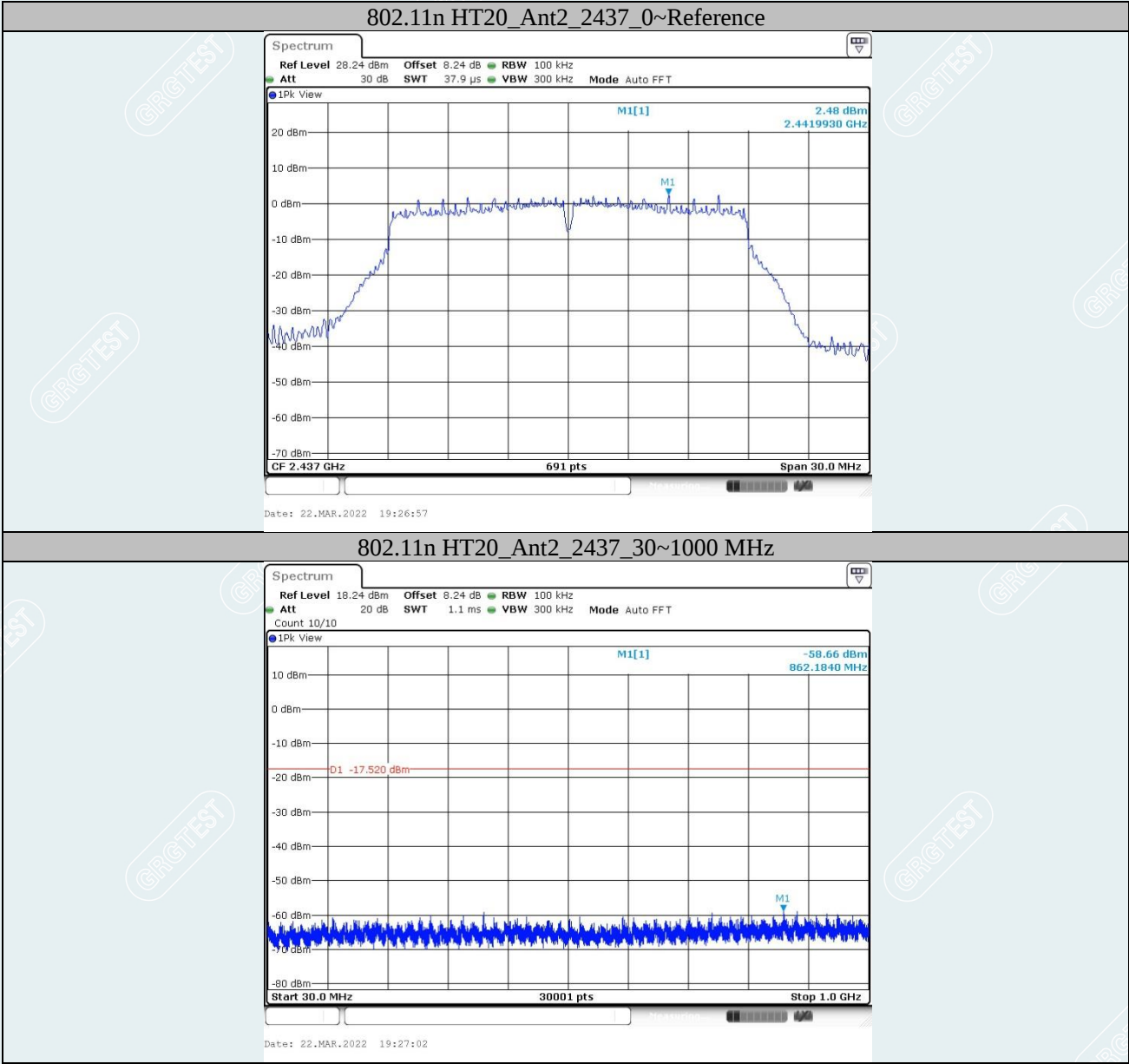
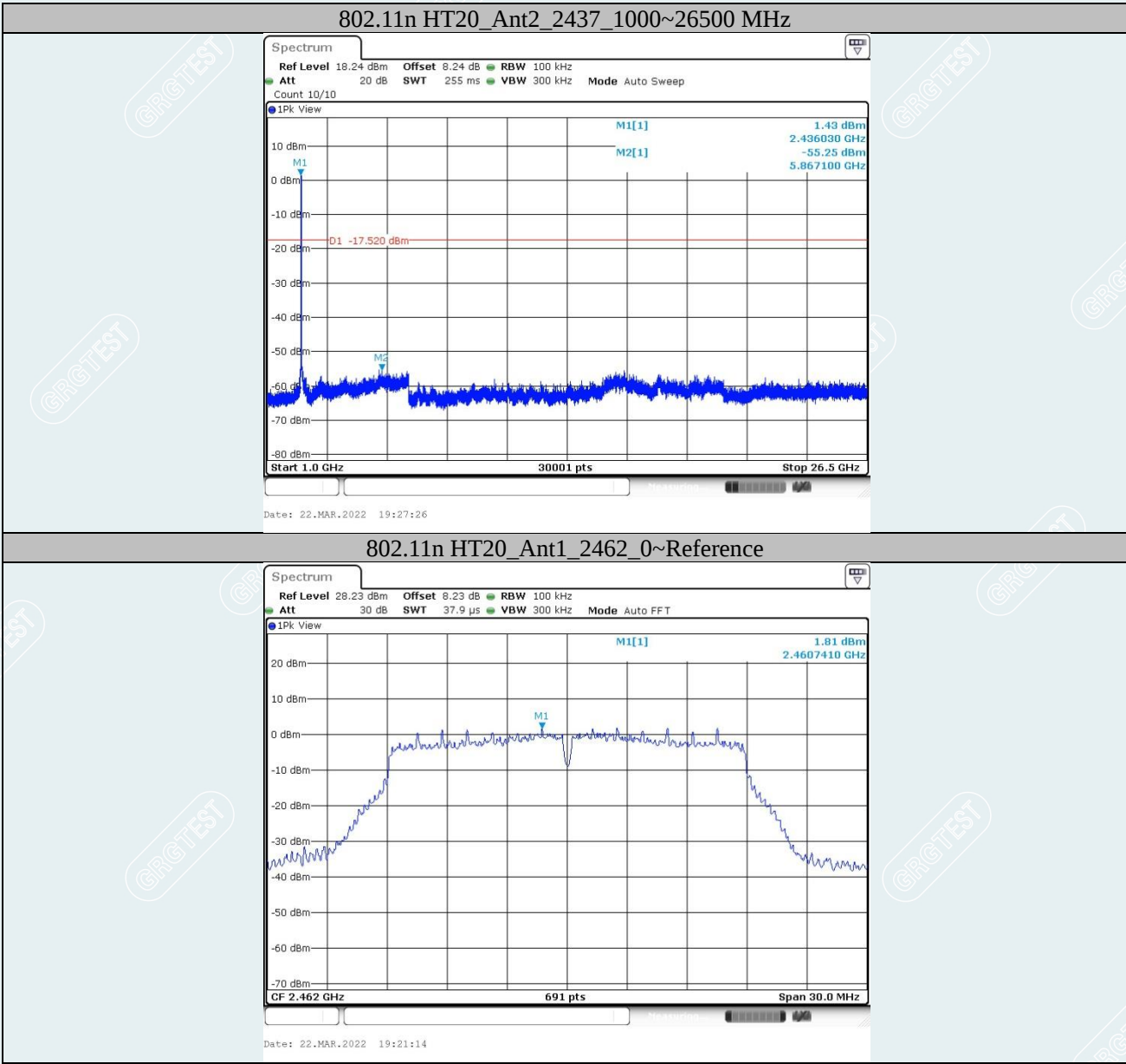


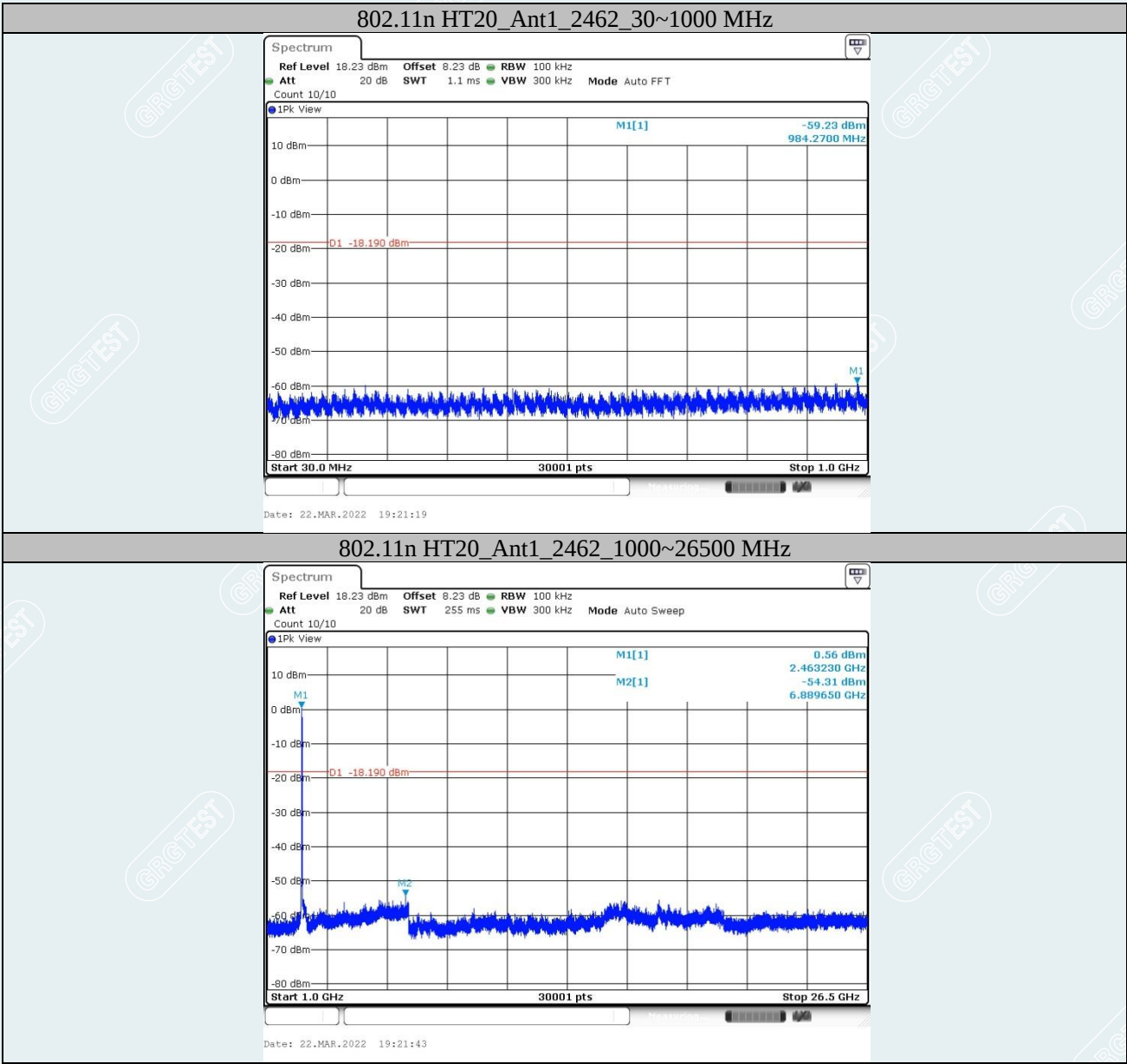


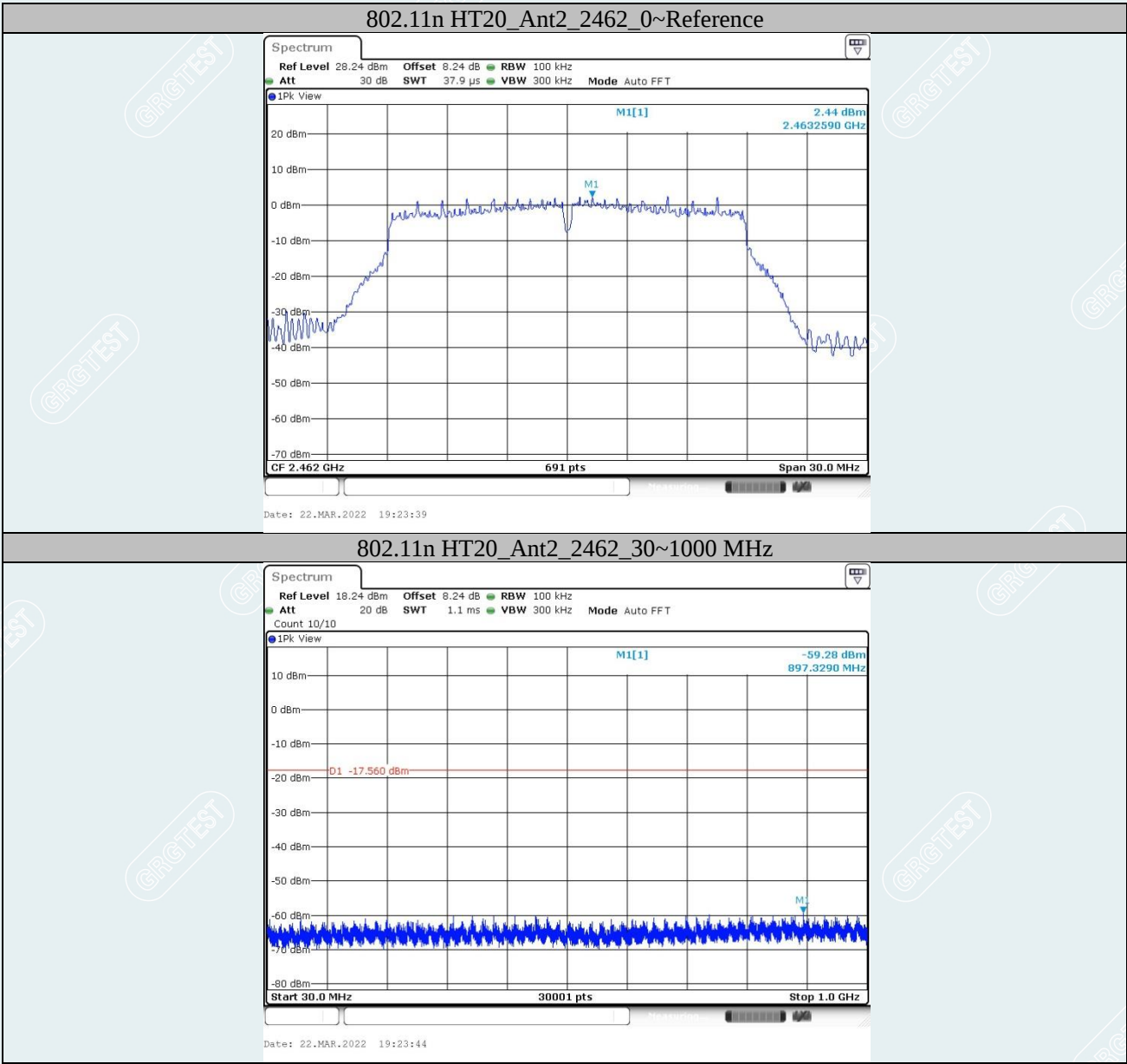


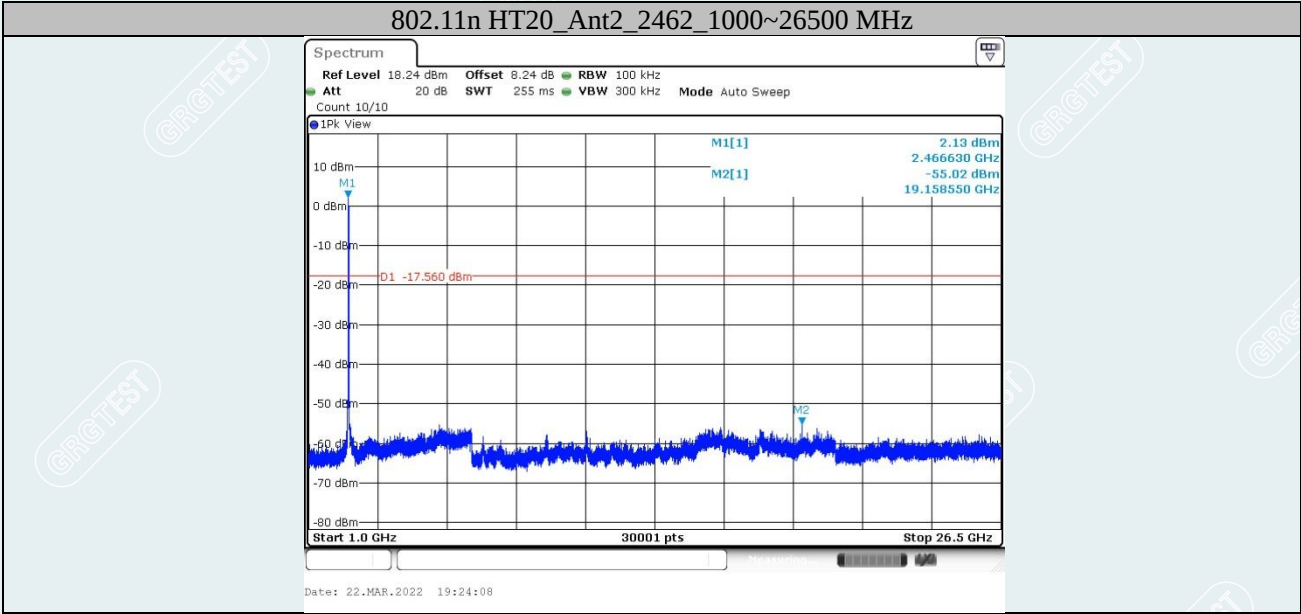












----- The following blanks -----

## 11. RESTRICTED BANDS OF OPERATION

### 11.1 LIMITS

Section 15.247(d) In addition, Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

| MHz                        | MHz                   | MHz             | GHz           |
|----------------------------|-----------------------|-----------------|---------------|
| 0.090 - 0.110              | 16.42 - 16.423        | 399.9 - 410     | 4.5 - 5.15    |
| <sup>1</sup> 0.495 - 0.505 | 16.69475 - 16.69525   | 608 - 614       | 5.35 - 5.46   |
| 2.1735 - 2.1905            | 16.80425 - 16.80475   | 960 - 1240      | 7.25 - 7.75   |
| 4.125 - 4.128              | 25.5 - 25.67          | 1300 - 1427     | 8.025 - 8.5   |
| 4.17725 - 4.17775          | 37.5 - 38.25          | 1435 - 1626.5   | 9.0 - 9.2     |
| 4.20725 - 4.20775          | 73 - 74.6             | 1645.5 - 1646.5 | 9.3 - 9.5     |
| 6.215 - 6.218              | 74.8 - 75.2           | 1660 - 1710     | 10.6 - 12.7   |
| 6.26775 - 6.26825          | 108 - 121.94          | 1718.8 - 1722.2 | 13.25 - 13.4  |
| 6.31175 - 6.31225          | 123 - 138             | 2200 - 2300     | 14.47 - 14.5  |
| 8.291 - 8.294              | 149.9 - 150.05        | 2310 - 2390     | 15.35 - 16.2  |
| 8.362 - 8.366              | 156.52475 - 156.52525 | 2483.5 - 2500   | 17.7 - 21.4   |
| 8.37625 - 8.38675          | 156.7 - 156.9         | 2655 - 2900     | 22.01 - 23.12 |
| 8.41425 - 8.41475          | 162.0125 - 167.17     | 3260 - 3267     | 23.6 - 24.0   |
| 12.29 - 12.293             | 167.72 - 173.2        | 3332 - 3339     | 31.2 - 31.8   |
| 12.51975 - 12.52025        | 240 - 285             | 3345.8 - 3358   | 36.43 - 36.5  |
| 12.57675 - 12.57725        | 322 - 335.4           | 3600 - 4400     |               |
| 13.36 - 13.41              |                       |                 |               |

| Frequency (MHz) | Quasi-peak( $\mu$ V/m) | Measurement distance(m) | Quasi-peak(dB $\mu$ V/m)@distance 3m |
|-----------------|------------------------|-------------------------|--------------------------------------|
| 0.009-0.490     | 2400/F(kHz)            | 300                     | 128.5~93.8                           |
| 0.490-1.705     | 24000/F(kHz)           | 30                      | 73.8~63                              |
| 1.705-30.0      | 30                     | 30                      | 69.5                                 |
| 30~88           | 100                    | 3                       | 40                                   |
| 88~216          | 150                    | 3                       | 43.5                                 |
| 216~960         | 200                    | 3                       | 46                                   |
| Above 960       | 500                    | 3                       | 54                                   |

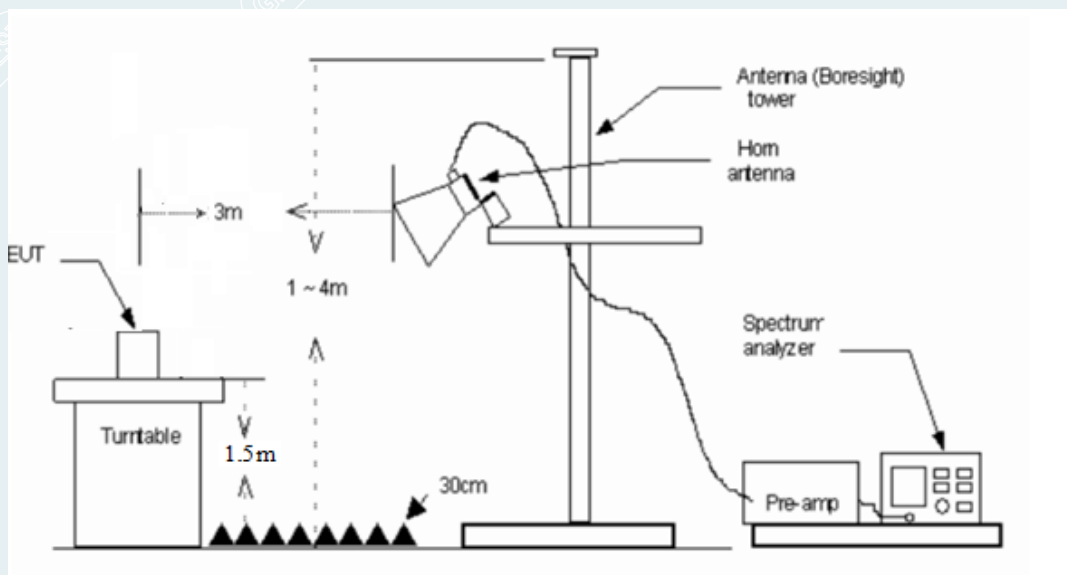
## 11.2 TEST PROCEDURES

Test procedures follow KDB 558074 D01 15.247 Measurement Guidance.

- 1) The EUT is placed on a turntable, which is 1.5m above the ground plane.
- 2) The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 4) Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
  - a) PEAK: RBW=1MHz / VBW=1MHz / Sweep=AUTO.
  - b) AVERAGE: RBW=1MHz / VBW=1/T / Sweep=AUTO.

If the EUT is configured to transmit with duty cycle  $\geq 98\%$ , set  $VBW \leq RBW/100$  (i.e., 10kHz) but not less than 10 Hz. If the EUT duty cycle is  $< 98\%$ , set  $VBW \geq 1/T$ , Where T is defined in section 2.9.
- 5) Repeat the procedures until all the PEAK and AVERAGE versus polarization are measured.

## 11.3 TEST SETUP



----- The following blanks -----

## 11.4 TEST RESULTS

Pre-scanned in three orthogonal panels,X,Y,Z.The worst cases mode (Z plane) were recorded in this report.

ANT 1:

**802.11b mode-SISO**

**Lowest Channel**

Frequency 2412MHz

Environment: 25℃/60%RH

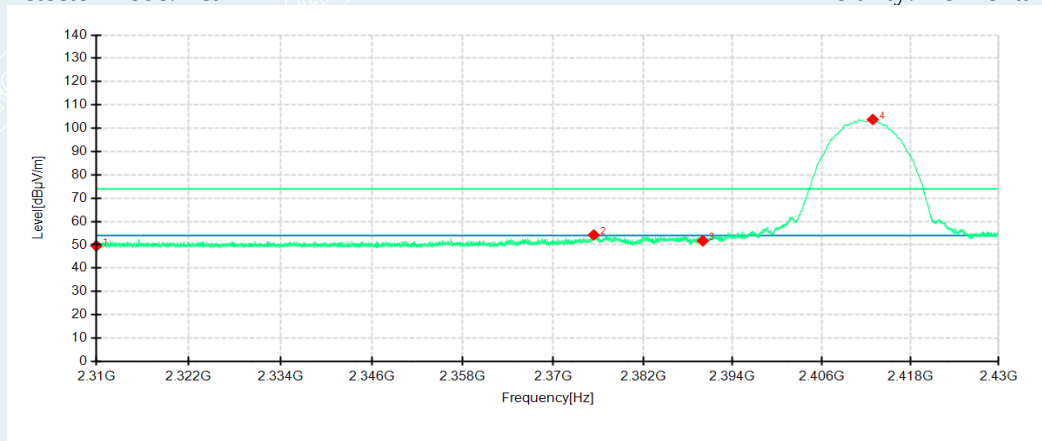
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

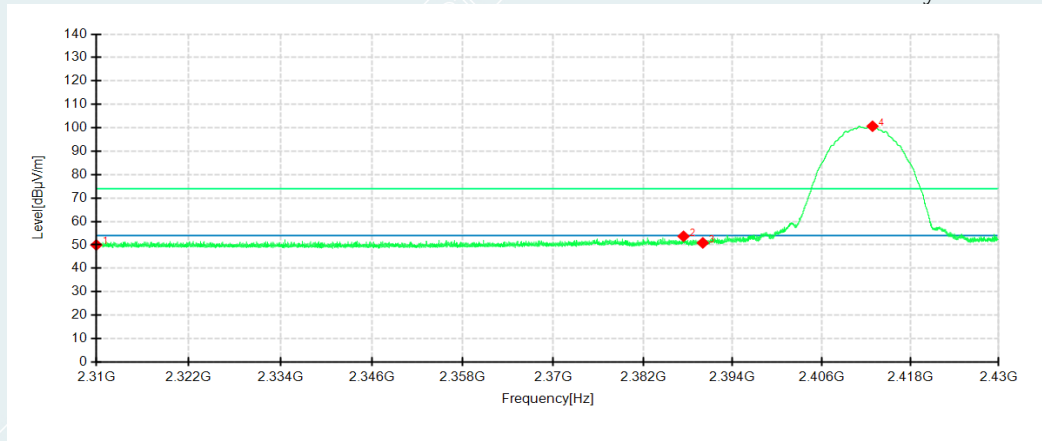
Date: 2022-02-28

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



| No. | Frequency<br>MHz | Reading<br>dBμV/m | Level<br>dBμV/m | Factor<br>dB | Limit<br>dBμV/m | Margin<br>dB | Height<br>cm | Angle<br>° | Pole       | Comment  |
|-----|------------------|-------------------|-----------------|--------------|-----------------|--------------|--------------|------------|------------|----------|
| 1   | 2310.0000        | 46.07             | 49.55           | 3.48         | 74.00           | 24.45        | 200          | 270        | Horizontal | /        |
| 2   | 2375.4120        | 50.70             | 54.26           | 3.56         | 74.00           | 19.74        | 200          | 270        | Horizontal | /        |
| 3   | 2390.0000        | 47.91             | 51.72           | 3.81         | 74.00           | 22.28        | 100          | 270        | Horizontal | /        |
| 4   | 2412.9120        | 99.69             | 103.73          | 4.04         | 74.00           | -29.73       | 200          | 270        | Horizontal | No limit |
| 1   | 2310.0000        | 46.48             | 49.96           | 3.48         | 74.00           | 24.04        | 100          | 360        | Vertical   | /        |
| 2   | 2387.4120        | 49.90             | 53.67           | 3.77         | 74.00           | 20.33        | 100          | 270        | Vertical   | /        |
| 3   | 2390.0000        | 47.06             | 50.87           | 3.81         | 74.00           | 23.13        | 200          | 0          | Vertical   | /        |
| 4   | 2412.8760        | 96.63             | 100.67          | 4.04         | 74.00           | -26.67       | 200          | 90         | Vertical   | No limit |

**802.11b mode-SISO****Lowest Channel**

Frequency 2412MHz

Environment: 25°C/60%RH

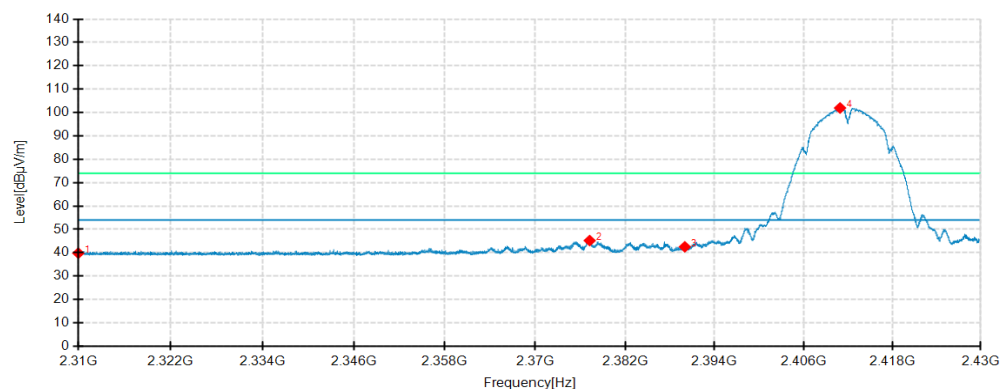
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

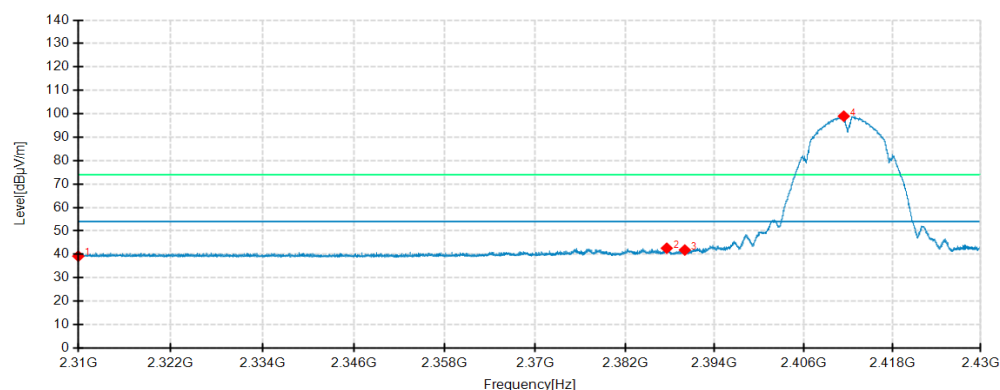
Date: 2022-02-28

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Comment  |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2310.0000     | 36.33          | 39.81        | 3.48      | 54.00        | 14.19     | 200       | 0       | Horizontal | /        |
| 2   | 2377.2720     | 41.61          | 45.20        | 3.59      | 54.00        | 8.80      | 200       | 270     | Horizontal | /        |
| 3   | 2390.0000     | 38.71          | 42.52        | 3.81      | 54.00        | 11.48     | 100       | 270     | Horizontal | /        |
| 4   | 2410.9200     | 97.92          | 101.95       | 4.03      | 54.00        | -47.95    | 200       | 270     | Horizontal | No limit |
| 1   | 2310.0000     | 35.72          | 39.20        | 3.48      | 54.00        | 14.80     | 100       | 180     | Vertical   | /        |
| 2   | 2387.5800     | 38.85          | 42.62        | 3.77      | 54.00        | 11.38     | 200       | 90      | Vertical   | /        |
| 3   | 2390.0000     | 38.02          | 41.83        | 3.81      | 54.00        | 12.17     | 100       | 180     | Vertical   | /        |
| 4   | 2411.4240     | 94.93          | 98.97        | 4.04      | 54.00        | -44.97    | 200       | 90      | Vertical   | No limit |

**802.11b mode-SISO****Highest Channel**

Frequency 2462MHz

Environment: 25°C/60%RH

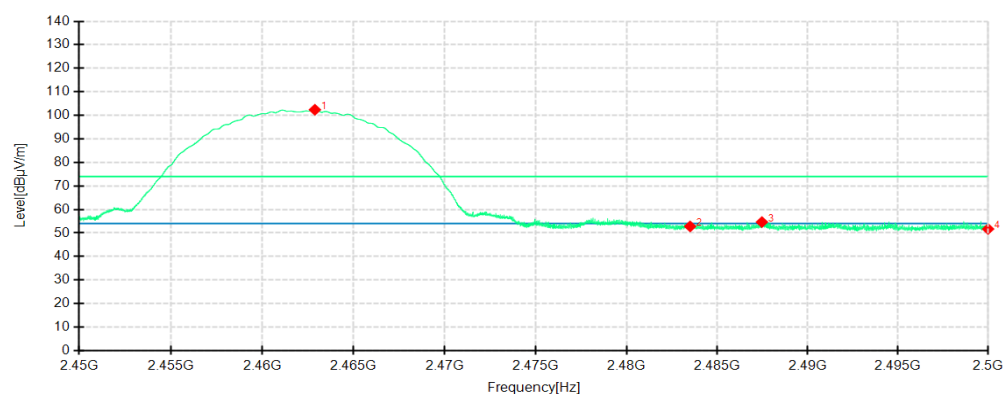
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

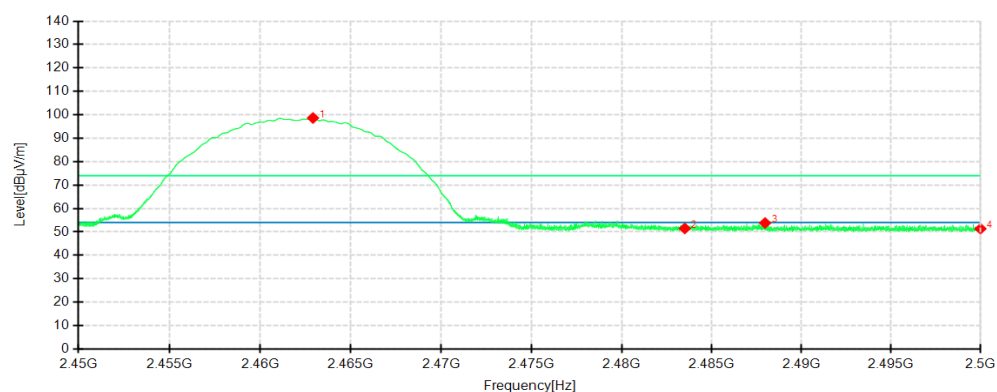
Date: 2022-02-28

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Comment  |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2462.8800     | 98.11          | 102.38       | 4.27      | 74.00        | -28.38    | 100       | 180     | Horizontal | No limit |
| 2   | 2483.5000     | 48.46          | 52.79        | 4.33      | 74.00        | 21.21     | 200       | 270     | Horizontal | /        |
| 3   | 2487.4650     | 50.30          | 54.64        | 4.34      | 74.00        | 19.36     | 200       | 270     | Horizontal | /        |
| 4   | 2500.0000     | 47.32          | 51.70        | 4.38      | 74.00        | 22.30     | 200       | 270     | Horizontal | /        |
| 1   | 2462.9100     | 94.37          | 98.64        | 4.27      | 74.00        | -24.64    | 200       | 90      | Vertical   | No limit |
| 2   | 2483.5000     | 47.15          | 51.48        | 4.33      | 74.00        | 22.52     | 200       | 90      | Vertical   | /        |
| 3   | 2487.9700     | 49.46          | 53.80        | 4.34      | 74.00        | 20.20     | 200       | 90      | Vertical   | /        |
| 4   | 2500.0000     | 46.97          | 51.35        | 4.38      | 74.00        | 22.65     | 200       | 90      | Vertical   | /        |

**802.11b mode-SISO****Highest Channel**

Frequency 2462MHz

Environment: 25°C/60%RH

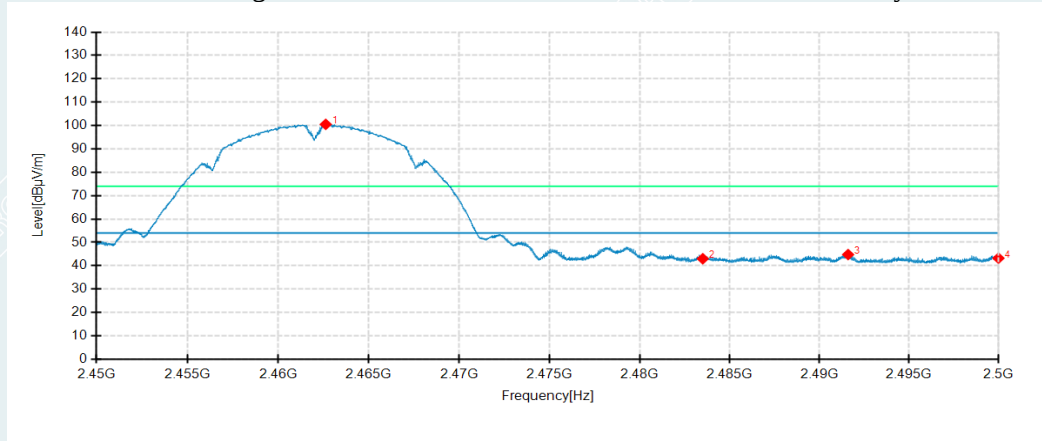
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

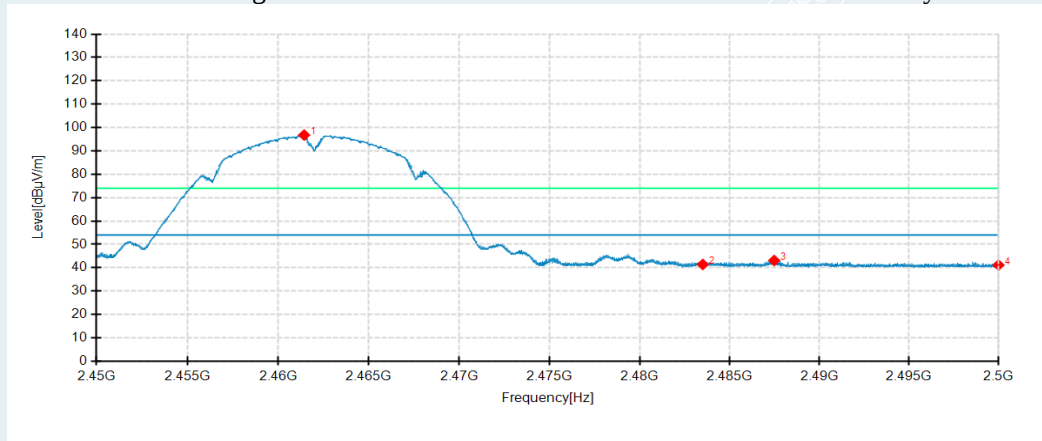
Date: 2022-02-28

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Comment  |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2462.6200     | 96.22          | 100.49       | 4.27      | 54.00        | -46.49    | 200       | 270     | Horizontal | No limit |
| 2   | 2483.5000     | 38.67          | 43.00        | 4.33      | 54.00        | 11.00     | 200       | 270     | Horizontal | /        |
| 3   | 2491.5950     | 40.44          | 44.79        | 4.35      | 54.00        | 9.21      | 200       | 270     | Horizontal | /        |
| 4   | 2500.0000     | 38.84          | 43.22        | 4.38      | 54.00        | 10.78     | 200       | 270     | Horizontal | /        |
| 1   | 2461.4300     | 92.51          | 96.77        | 4.26      | 54.00        | -42.77    | 200       | 90      | Vertical   | No limit |
| 2   | 2483.5000     | 37.07          | 41.40        | 4.33      | 54.00        | 12.60     | 100       | 90      | Vertical   | /        |
| 3   | 2487.4750     | 38.75          | 43.09        | 4.34      | 54.00        | 10.91     | 100       | 90      | Vertical   | /        |
| 4   | 2500.0000     | 36.77          | 41.15        | 4.38      | 54.00        | 12.85     | 100       | 90      | Vertical   | /        |

ANT 2:

**802.11b mode-SISO****Lowest Channel**

Frequency 2412MHz

Environment: 25°C/60%RH

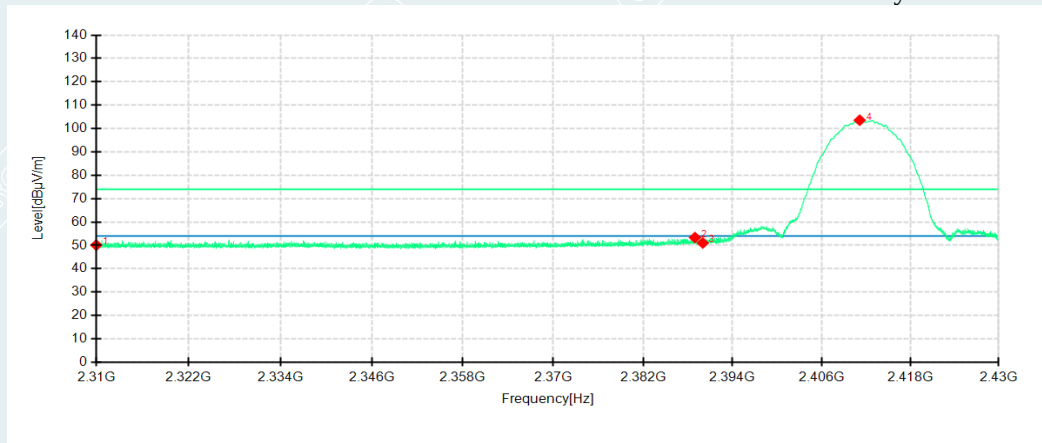
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

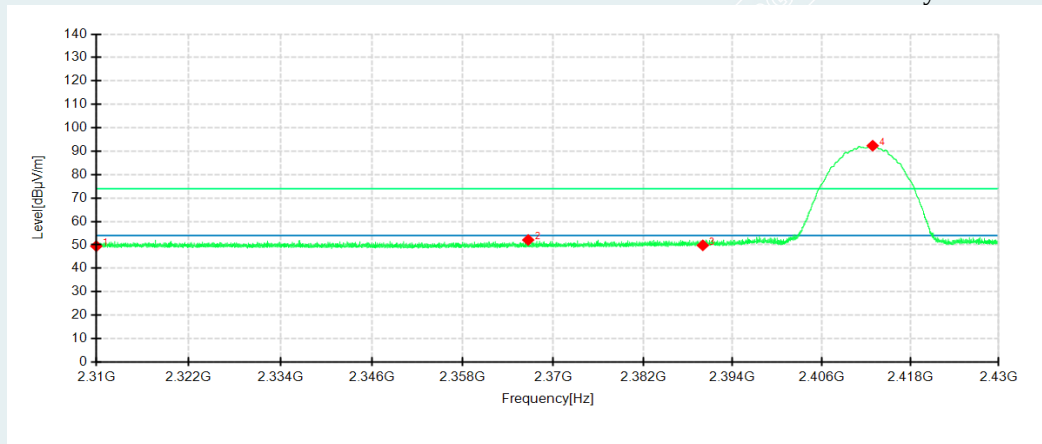
Date: 2022-02-28

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



| No. | Frequency<br>MHz | Reading<br>dBμV/m | Level<br>dBμV/m | Factor<br>dB | Limit<br>dBuV/m | Margin<br>dB | Height<br>cm | Angle<br>° | Pole       | Comment  |
|-----|------------------|-------------------|-----------------|--------------|-----------------|--------------|--------------|------------|------------|----------|
| 1   | 2310.0000        | 46.62             | 50.10           | 3.48         | 74.00           | 23.90        | 100          | 90         | Horizontal | /        |
| 2   | 2388.9480        | 49.54             | 53.33           | 3.79         | 74.00           | 20.67        | 100          | 180        | Horizontal | /        |
| 3   | 2390.0000        | 47.20             | 51.01           | 3.81         | 74.00           | 22.99        | 100          | 180        | Horizontal | /        |
| 4   | 2411.1360        | 99.51             | 103.55          | 4.04         | 74.00           | -29.55       | 100          | 180        | Horizontal | No limit |
| 1   | 2310.0000        | 45.99             | 49.47           | 3.48         | 74.00           | 24.53        | 200          | 180        | Vertical   | /        |
| 2   | 2366.6880        | 48.70             | 52.11           | 3.41         | 74.00           | 21.89        | 200          | 90         | Vertical   | /        |
| 3   | 2390.0000        | 46.01             | 49.82           | 3.81         | 74.00           | 24.18        | 200          | 360        | Vertical   | /        |
| 4   | 2412.9000        | 88.33             | 92.37           | 4.04         | 74.00           | -18.37       | 200          | 90         | Vertical   | No limit |

**802.11b mode-SISO****Lowest Channel**

Frequency 2412MHz

Environment: 25°C/60%RH

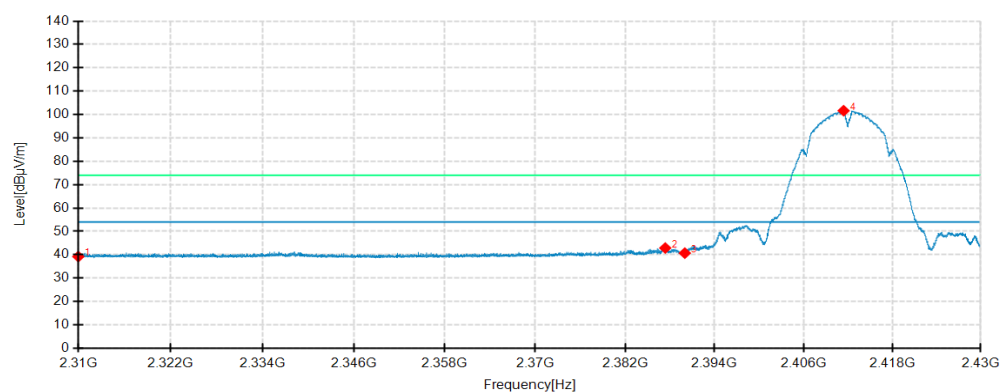
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

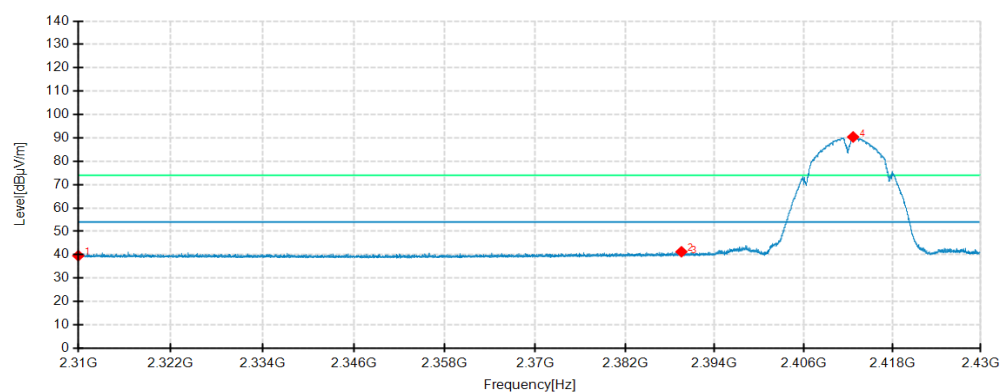
Date: 2022-02-28

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Comment  |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2310.0000     | 35.73          | 39.21        | 3.48      | 54.00        | 14.79     | 200       | 180     | Horizontal | /        |
| 2   | 2387.3760     | 39.11          | 42.88        | 3.77      | 54.00        | 11.12     | 100       | 180     | Horizontal | /        |
| 3   | 2390.0000     | 36.87          | 40.68        | 3.81      | 54.00        | 13.32     | 100       | 180     | Horizontal | /        |
| 4   | 2411.4000     | 97.60          | 101.64       | 4.04      | 54.00        | -47.64    | 100       | 180     | Horizontal | No limit |
| 1   | 2310.0000     | 36.09          | 39.57        | 3.48      | 54.00        | 14.43     | 200       | 360     | Vertical   | /        |
| 2   | 2389.5480     | 37.48          | 41.28        | 3.80      | 54.00        | 12.72     | 100       | 180     | Vertical   | /        |
| 3   | 2390.0000     | 36.51          | 40.32        | 3.81      | 54.00        | 13.68     | 100       | 90      | Vertical   | /        |
| 4   | 2412.6840     | 86.36          | 90.40        | 4.04      | 54.00        | -36.40    | 200       | 90      | Vertical   | No limit |

**802.11b mode-SISO****Highest Channel**

Frequency 2462MHz

Environment: 25°C/60%RH

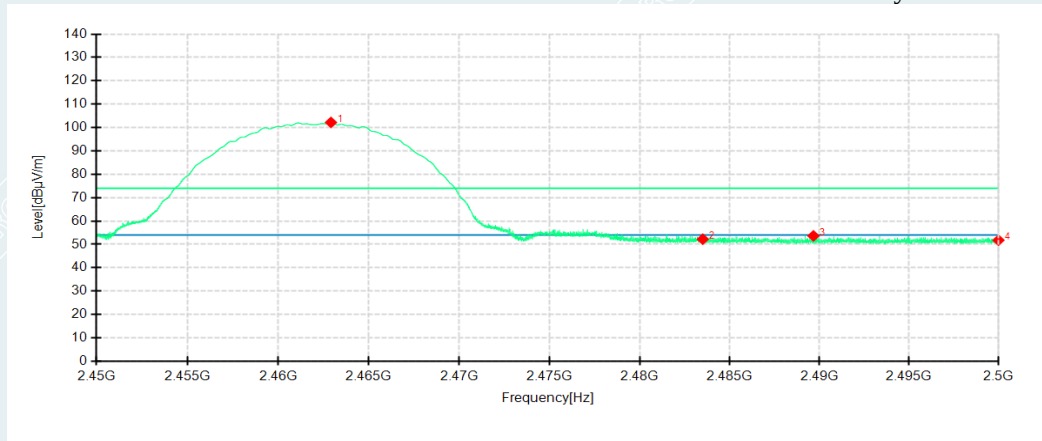
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

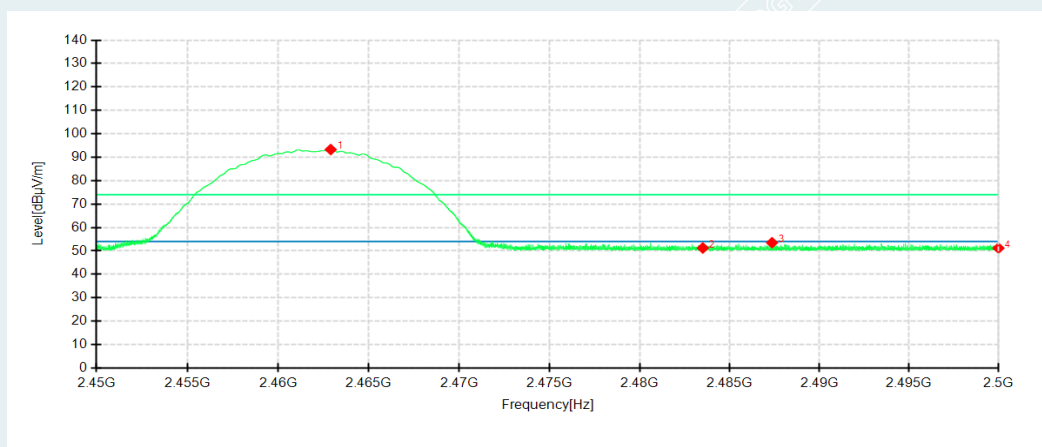
Date: 2022-03-01

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Comment  |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2462.9100     | 97.90          | 102.17       | 4.27      | 74.00        | -28.17    | 200       | 180     | Horizontal | No limit |
| 2   | 2483.5000     | 47.89          | 52.22        | 4.33      | 74.00        | 21.78     | 200       | 180     | Horizontal | /        |
| 3   | 2489.6600     | 49.29          | 53.64        | 4.35      | 74.00        | 20.36     | 100       | 180     | Horizontal | /        |
| 4   | 2500.0000     | 47.40          | 51.78        | 4.38      | 74.00        | 22.22     | 100       | 90      | Horizontal | /        |
| 1   | 2462.8950     | 89.01          | 93.28        | 4.27      | 74.00        | -19.28    | 200       | 90      | Vertical   | No limit |
| 2   | 2483.5000     | 46.92          | 51.25        | 4.33      | 74.00        | 22.75     | 100       | 270     | Vertical   | /        |
| 3   | 2487.3550     | 49.17          | 53.51        | 4.34      | 74.00        | 20.49     | 200       | 270     | Vertical   | /        |
| 4   | 2500.0000     | 46.81          | 51.19        | 4.38      | 74.00        | 22.81     | 100       | 0       | Vertical   | /        |

**802.11b mode-SISO****Highest Channel**

Frequency 2462MHz

Environment: 25°C/60%RH

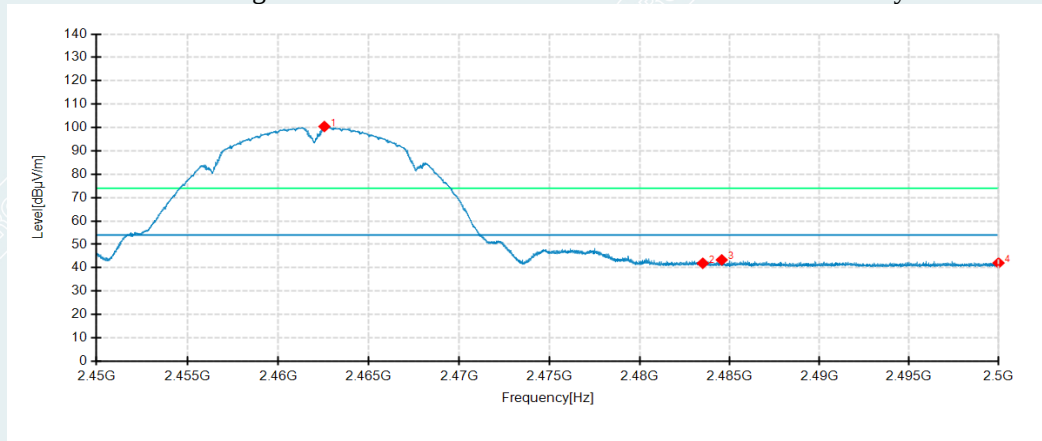
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

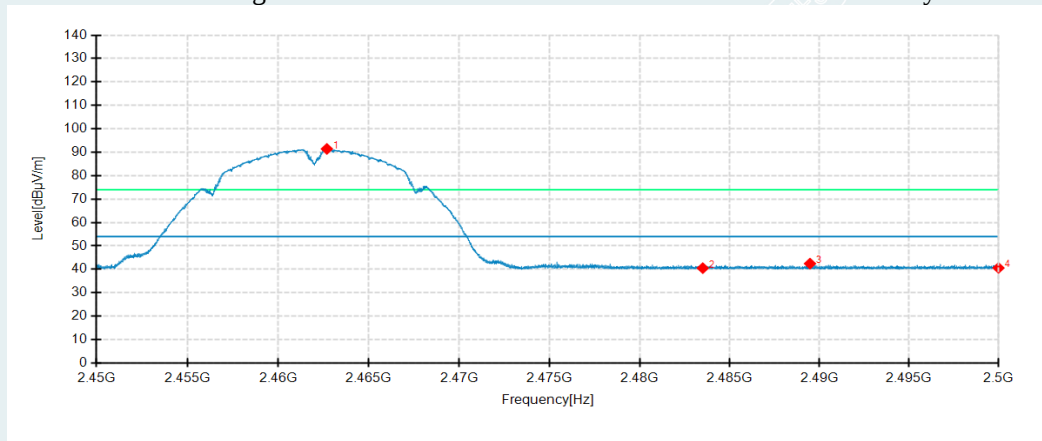
Date: 2022-03-01

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Comment  |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2462.5450     | 96.16          | 100.43       | 4.27      | 54.00        | -46.43    | 200       | 180     | Horizontal | No limit |
| 2   | 2483.5000     | 37.59          | 41.92        | 4.33      | 54.00        | 12.08     | 200       | 180     | Horizontal | /        |
| 3   | 2484.5550     | 39.03          | 43.36        | 4.33      | 54.00        | 10.64     | 200       | 180     | Horizontal | /        |
| 4   | 2500.0000     | 37.65          | 42.03        | 4.38      | 54.00        | 11.97     | 200       | 180     | Horizontal | /        |
| 1   | 2462.6850     | 87.14          | 91.41        | 4.27      | 54.00        | -37.41    | 200       | 90      | Vertical   | No limit |
| 2   | 2483.5000     | 36.18          | 40.51        | 4.33      | 54.00        | 13.49     | 100       | 90      | Vertical   | /        |
| 3   | 2489.4700     | 38.09          | 42.44        | 4.35      | 54.00        | 11.56     | 200       | 270     | Vertical   | /        |
| 4   | 2500.0000     | 36.21          | 40.59        | 4.38      | 54.00        | 13.41     | 200       | 360     | Vertical   | /        |

ANT 1:

**802.11g mode-SISO****Lowest Channel**

Frequency 2412MHz

Environment: 25°C/60%RH

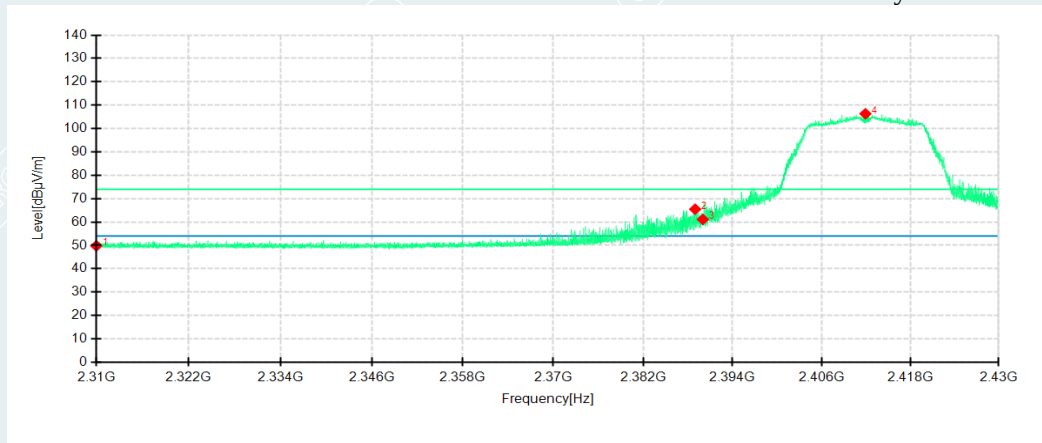
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

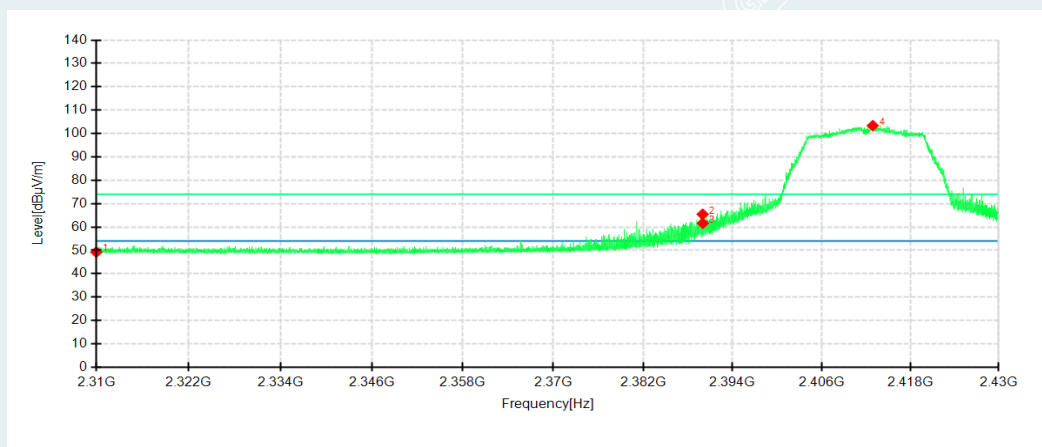
Date: 2022-03-01

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Comment  |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2310.0000     | 46.30          | 49.78        | 3.48      | 74.00        | 24.22     | 200       | 109     | Horizontal | /        |
| 2   | 2388.9720     | 61.67          | 65.46        | 3.79      | 74.00        | 8.54      | 100       | 198     | Horizontal | /        |
| 3   | 2390.0000     | 57.30          | 61.11        | 3.81      | 74.00        | 12.89     | 100       | 218     | Horizontal | /        |
| 4   | 2411.9160     | 102.27         | 106.31       | 4.04      | 74.00        | -32.31    | 100       | 204     | Horizontal | No limit |
| 1   | 2310.0000     | 45.80          | 49.28        | 3.48      | 74.00        | 24.72     | 100       | 218     | Vertical   | /        |
| 2   | 2389.9800     | 61.63          | 65.44        | 3.81      | 74.00        | 8.56      | 100       | 115     | Vertical   | /        |
| 3   | 2390.0000     | 57.79          | 61.60        | 3.81      | 74.00        | 12.40     | 100       | 136     | Vertical   | /        |
| 4   | 2412.9120     | 99.33          | 103.37       | 4.04      | 74.00        | -29.37    | 100       | 33      | Vertical   | No limit |

**802.11g mode-SISO****Lowest Channel**

Frequency 2412MHz

Environment: 25°C/60%RH

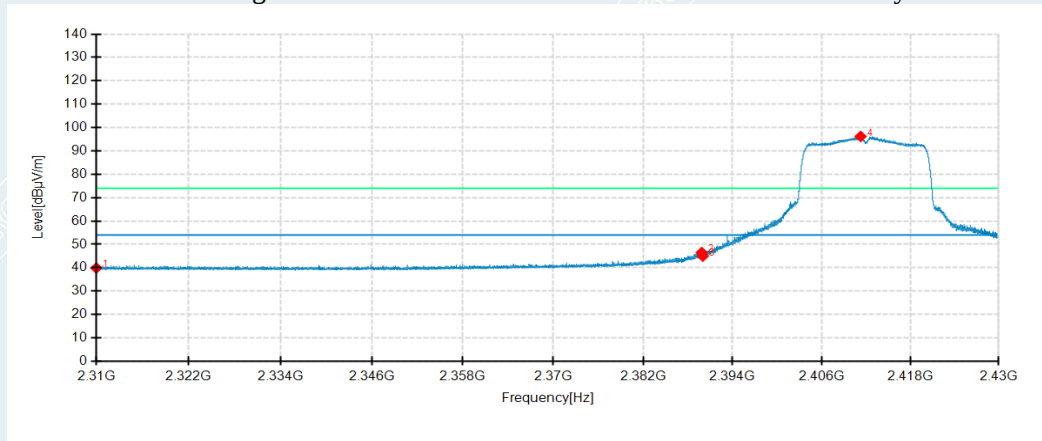
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

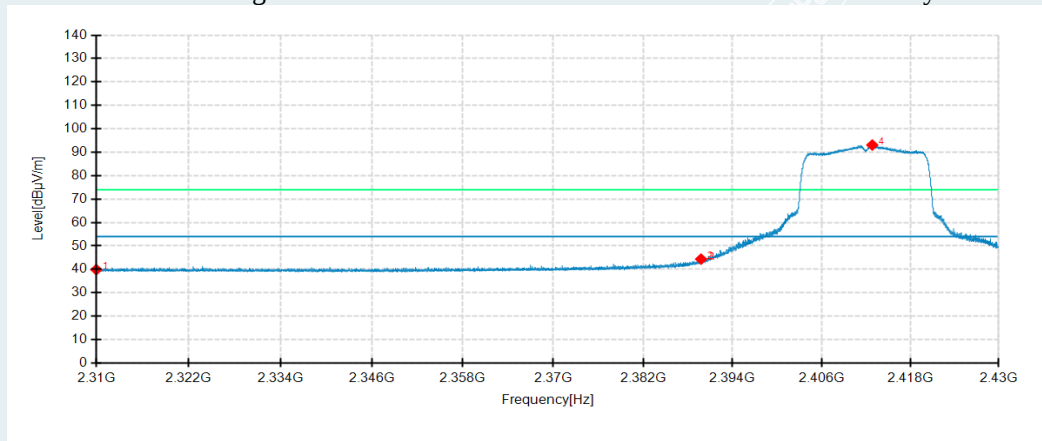
Date: 2022-03-01

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



| No. | Frequency<br>MHz | Reading<br>dBμV/m | Level<br>dBμV/m | Factor<br>dB | Limit<br>dBμV/m | Margin<br>dB | Height<br>cm | Angle<br>° | Pole       | Comment  |
|-----|------------------|-------------------|-----------------|--------------|-----------------|--------------|--------------|------------|------------|----------|
| 1   | 2310.0000        | 36.40             | 39.88           | 3.48         | 54.00           | 14.12        | 100          | 360        | Horizontal | /        |
| 2   | 2389.8600        | 42.68             | 46.49           | 3.81         | 54.00           | 7.51         | 100          | 180        | Horizontal | /        |
| 3   | 2390.0000        | 41.16             | 44.97           | 3.81         | 54.00           | 9.03         | 100          | 270        | Horizontal | /        |
| 4   | 2411.2680        | 92.14             | 96.18           | 4.04         | 54.00           | -42.18       | 100          | 180        | Horizontal | No limit |
| 1   | 2310.0000        | 36.37             | 39.85           | 3.48         | 54.00           | 14.15        | 200          | 270        | Vertical   | /        |
| 2   | 2389.7640        | 40.55             | 44.36           | 3.81         | 54.00           | 9.64         | 100          | 90         | Vertical   | /        |
| 3   | 2390.0000        | 39.99             | 43.80           | 3.81         | 54.00           | 10.20        | 100          | 90         | Vertical   | /        |
| 4   | 2412.8400        | 89.04             | 93.08           | 4.04         | 54.00           | -39.08       | 100          | 270        | Vertical   | No limit |

**802.11g mode-SISO****Highest Channel**

Frequency 2462MHz

Environment: 25°C/60%RH

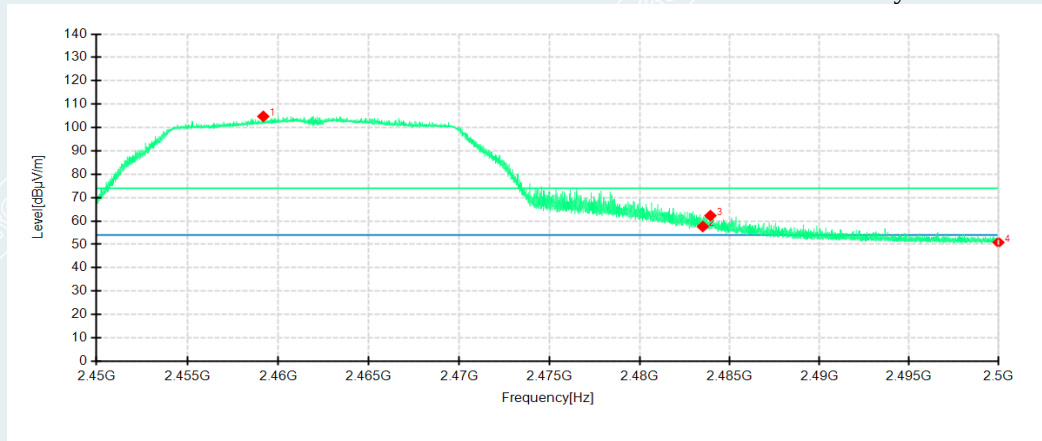
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

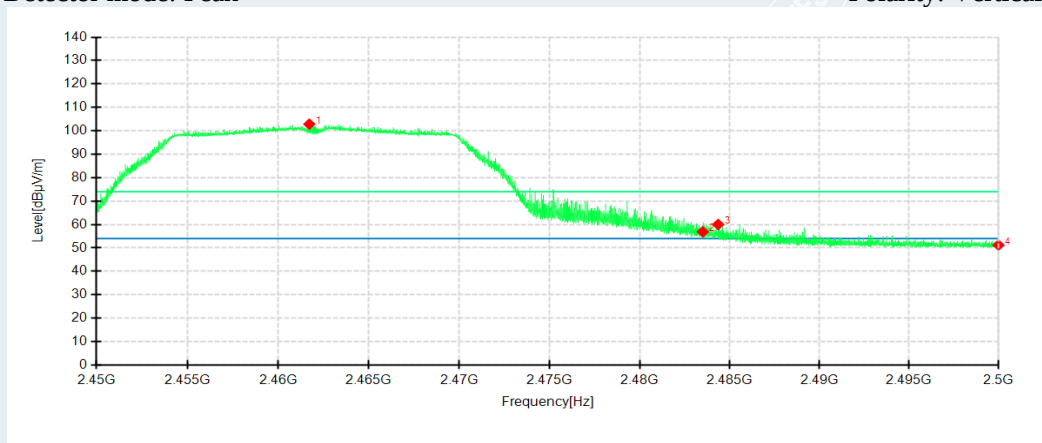
Date: 2022-03-01

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Comment  |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2459.1800     | 100.51         | 104.77       | 4.26      | 74.00        | -30.77    | 100       | 225     | Horizontal | No limit |
| 2   | 2483.5000     | 53.30          | 57.63        | 4.33      | 74.00        | 16.37     | 100       | 232     | Horizontal | /        |
| 3   | 2483.9250     | 57.95          | 62.28        | 4.33      | 74.00        | 11.72     | 100       | 211     | Horizontal | /        |
| 4   | 2500.0000     | 46.45          | 50.83        | 4.38      | 74.00        | 23.17     | 200       | 218     | Horizontal | /        |
| 1   | 2461.7150     | 98.56          | 102.83       | 4.27      | 74.00        | -28.83    | 100       | 46      | Vertical   | No limit |
| 2   | 2483.5000     | 52.53          | 56.86        | 4.33      | 74.00        | 17.14     | 100       | 135     | Vertical   | /        |
| 3   | 2484.3550     | 55.66          | 59.99        | 4.33      | 74.00        | 14.01     | 100       | 46      | Vertical   | /        |
| 4   | 2500.0000     | 46.81          | 51.19        | 4.38      | 74.00        | 22.81     | 200       | 142     | Vertical   | /        |

**802.11g mode-SISO****Highest Channel**

Frequency 2462MHz

Environment: 25°C/60%RH

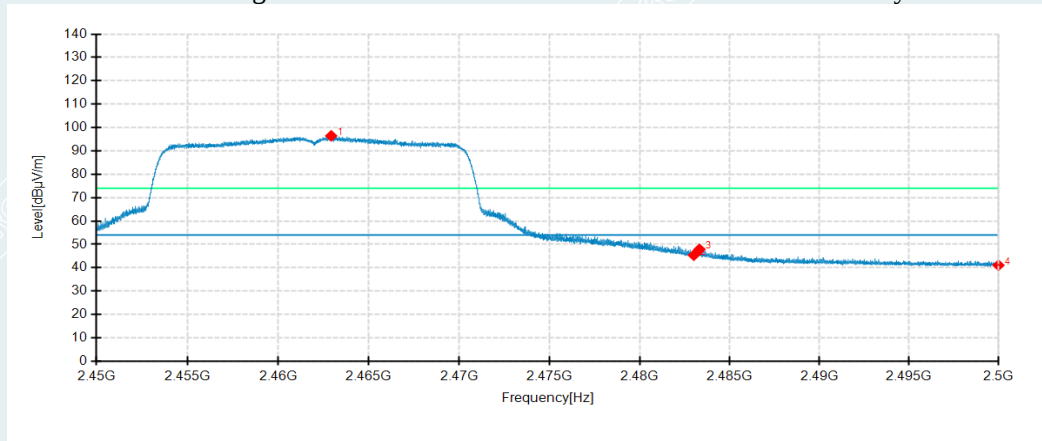
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

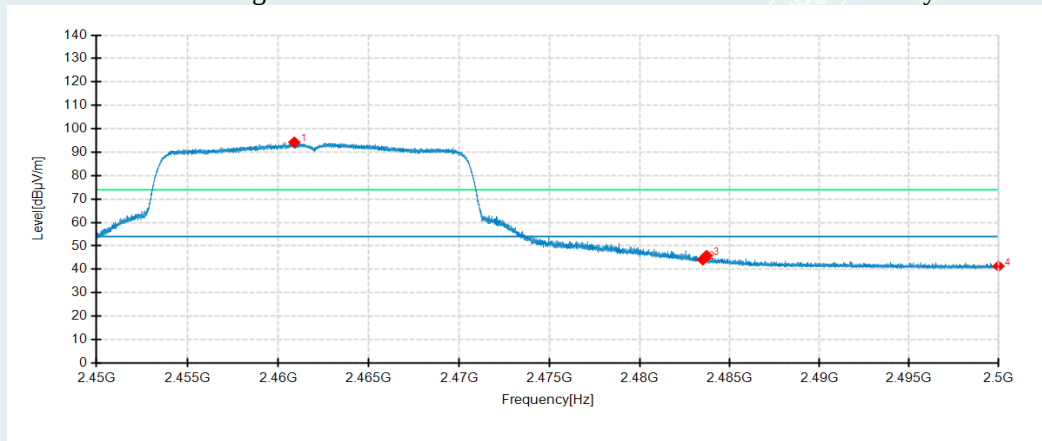
Date: 2022-03-01

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Comment  |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2462.9250     | 92.16          | 96.43        | 4.27      | 54.00        | -42.43    | 100       | 162     | Horizontal | No limit |
| 2   | 2483.0000     | 41.02          | 45.35        | 4.33      | 54.00        | 8.65      | 100       | 204     | Horizontal | /        |
| 3   | 2483.3150     | 43.54          | 47.87        | 4.33      | 54.00        | 6.13      | 100       | 212     | Horizontal | /        |
| 4   | 2500.0000     | 36.68          | 41.06        | 4.38      | 54.00        | 12.94     | 200       | 218     | Horizontal | /        |
| 1   | 2460.8850     | 89.98          | 94.24        | 4.26      | 54.00        | -40.24    | 100       | 52      | Vertical   | No limit |
| 2   | 2483.5000     | 39.78          | 44.11        | 4.33      | 54.00        | 9.89      | 100       | 38      | Vertical   | /        |
| 3   | 2483.7100     | 41.47          | 45.80        | 4.33      | 54.00        | 8.20      | 100       | 52      | Vertical   | /        |
| 4   | 2500.0000     | 36.99          | 41.37        | 4.38      | 54.00        | 12.63     | 100       | 93      | Vertical   | /        |

ANT 2:

**802.11g mode-SISO****Lowest Channel**

Frequency 2412MHz

Environment: 25°C/60%RH

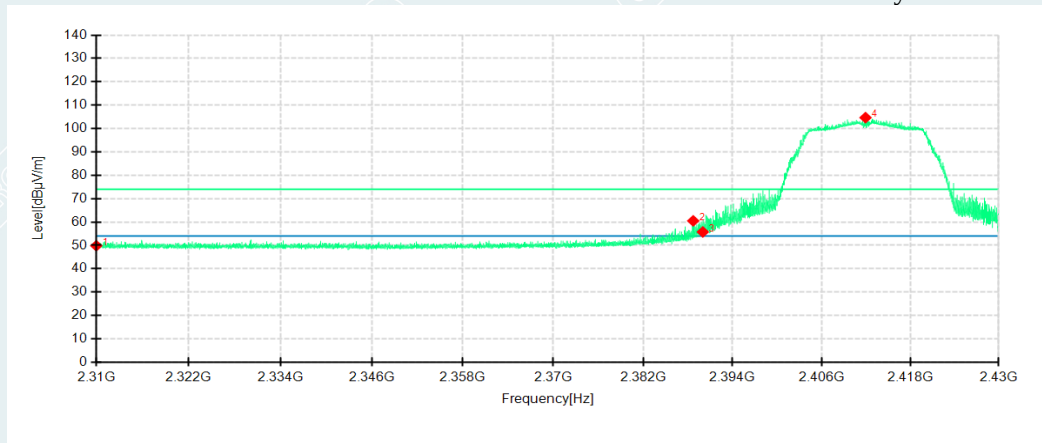
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

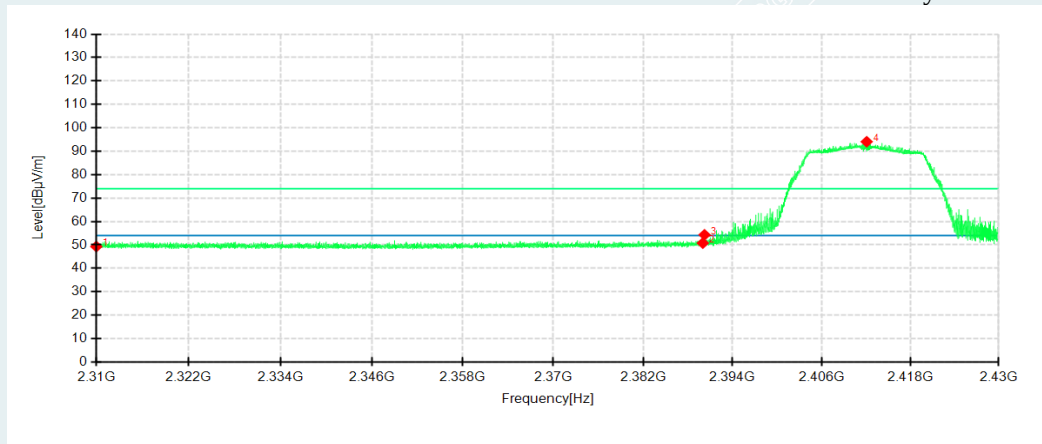
Date: 2022-03-01

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Comment  |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2310.0000     | 46.36          | 49.84        | 3.48      | 74.00        | 24.16     | 200       | 142     | Horizontal | /        |
| 2   | 2388.7080     | 56.70          | 60.49        | 3.79      | 74.00        | 13.51     | 200       | 163     | Horizontal | /        |
| 3   | 2390.0000     | 51.93          | 55.74        | 3.81      | 74.00        | 18.26     | 200       | 176     | Horizontal | /        |
| 4   | 2411.9280     | 100.62         | 104.66       | 4.04      | 74.00        | -30.66    | 200       | 163     | Horizontal | No limit |
| 1   | 2310.0000     | 45.82          | 49.30        | 3.48      | 74.00        | 24.70     | 100       | 232     | Vertical   | /        |
| 2   | 2390.0000     | 46.97          | 50.78        | 3.81      | 74.00        | 23.22     | 200       | 108     | Vertical   | /        |
| 3   | 2390.2320     | 50.50          | 54.31        | 3.81      | 74.00        | 19.69     | 200       | 67      | Vertical   | /        |
| 4   | 2412.0840     | 90.03          | 94.07        | 4.04      | 74.00        | -20.07    | 200       | 101     | Vertical   | No limit |

**802.11g mode-SISO****Lowest Channel**

Frequency 2412MHz

Environment: 25°C/60%RH

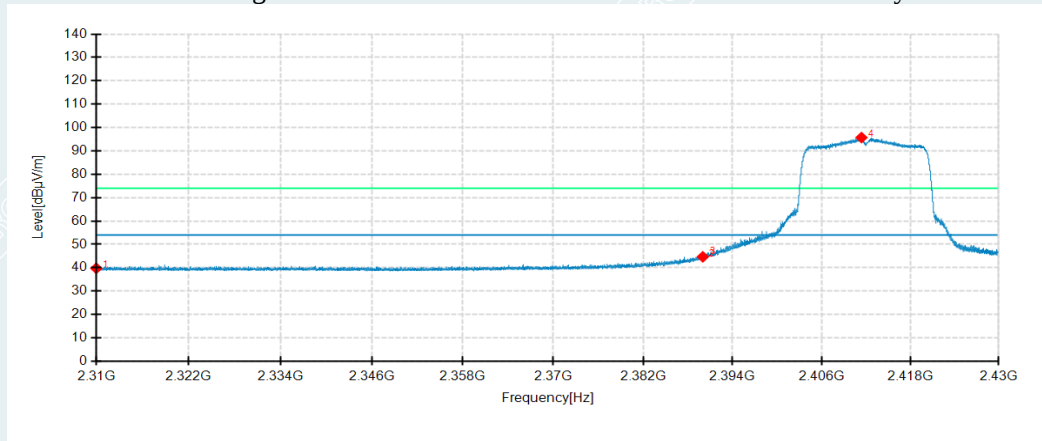
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

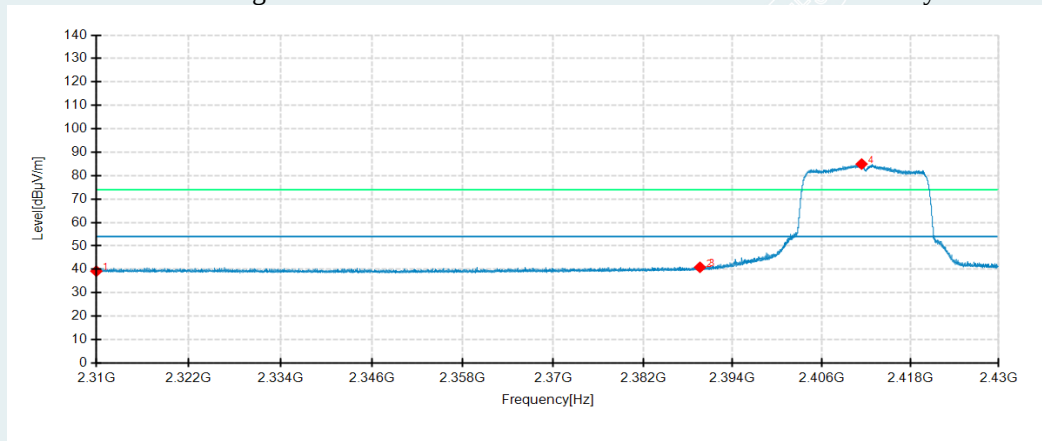
Date: 2022-03-01

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



| No. | Frequency<br>MHz | Reading<br>dBμV/m | Level<br>dBμV/m | Factor<br>dB | Limit<br>dBμV/m | Margin<br>dB | Height<br>cm | Angle<br>° | Pole       | Comment  |
|-----|------------------|-------------------|-----------------|--------------|-----------------|--------------|--------------|------------|------------|----------|
| 1   | 2310.0000        | 36.28             | 39.76           | 3.48         | 54.00           | 14.24        | 200          | 142        | Horizontal | /        |
| 2   | 2390.0000        | 40.86             | 44.67           | 3.81         | 54.00           | 9.33         | 100          | 184        | Horizontal | /        |
| 3   | 2390.0520        | 41.62             | 45.43           | 3.81         | 54.00           | 8.57         | 200          | 170        | Horizontal | /        |
| 4   | 2411.3880        | 91.66             | 95.70           | 4.04         | 54.00           | -41.70       | 100          | 157        | Horizontal | No limit |
| 1   | 2310.0000        | 35.74             | 39.22           | 3.48         | 54.00           | 14.78        | 100          | 142        | Vertical   | /        |
| 2   | 2389.6200        | 37.08             | 40.88           | 3.80         | 54.00           | 13.12        | 200          | 162        | Vertical   | /        |
| 3   | 2390.0000        | 37.19             | 41.00           | 3.81         | 54.00           | 13.00        | 200          | 176        | Vertical   | /        |
| 4   | 2411.4000        | 80.91             | 84.95           | 4.04         | 54.00           | -30.95       | 200          | 40         | Vertical   | No limit |

**802.11g mode-SISO****Highest Channel**

Frequency 2462MHz

Environment: 25°C/60%RH

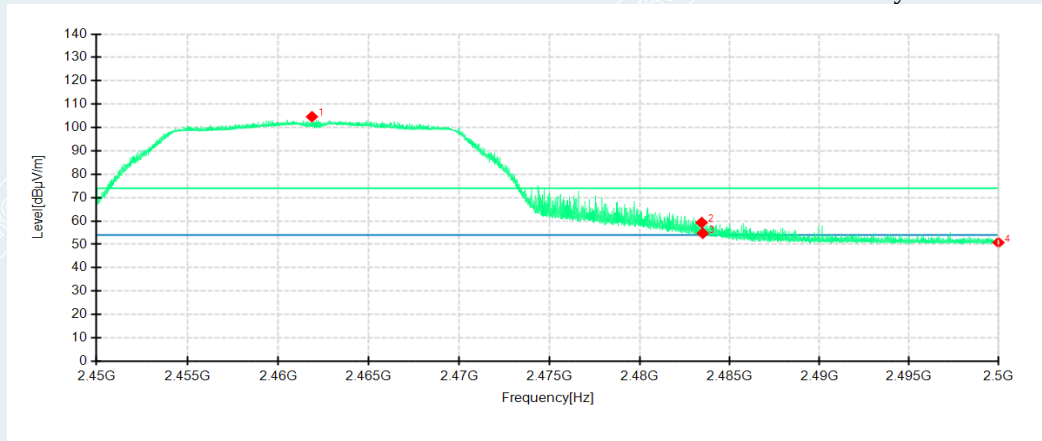
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

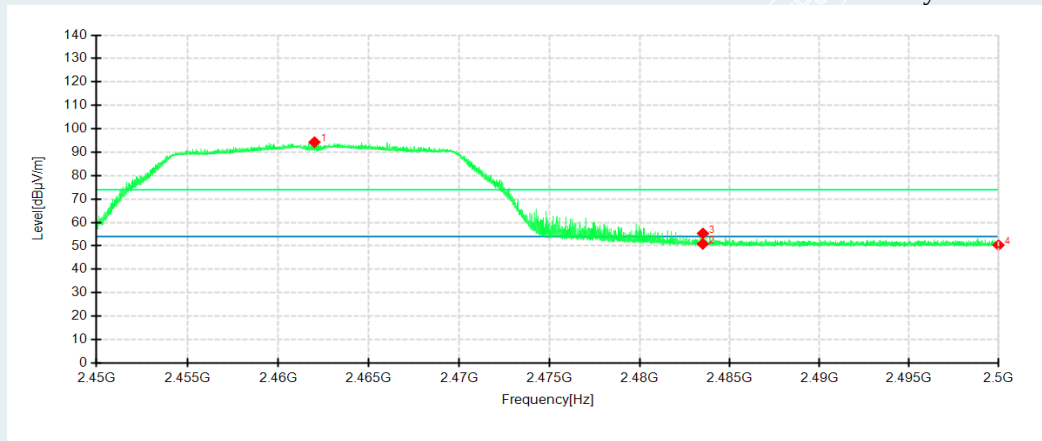
Date: 2022-03-01

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Comment  |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2461.8600     | 100.36         | 104.63       | 4.27      | 74.00        | -30.63    | 100       | 163     | Horizontal | No limit |
| 2   | 2483.4400     | 54.99          | 59.32        | 4.33      | 74.00        | 14.68     | 100       | 183     | Horizontal | /        |
| 3   | 2483.5000     | 50.41          | 54.74        | 4.33      | 74.00        | 19.26     | 200       | 177     | Horizontal | /        |
| 4   | 2500.0000     | 46.38          | 50.76        | 4.38      | 74.00        | 23.24     | 200       | 157     | Horizontal | /        |
| 1   | 2462.0000     | 90.03          | 94.30        | 4.27      | 74.00        | -20.30    | 200       | 142     | Vertical   | No limit |
| 2   | 2483.5000     | 46.49          | 50.82        | 4.33      | 74.00        | 23.18     | 200       | 156     | Vertical   | /        |
| 3   | 2483.5100     | 50.99          | 55.32        | 4.33      | 74.00        | 18.68     | 200       | 142     | Vertical   | /        |
| 4   | 2500.0000     | 45.96          | 50.34        | 4.38      | 74.00        | 23.66     | 200       | 258     | Vertical   | /        |

**802.11g mode-SISO****Highest Channel**

Frequency 2462MHz

Environment: 25°C/60%RH

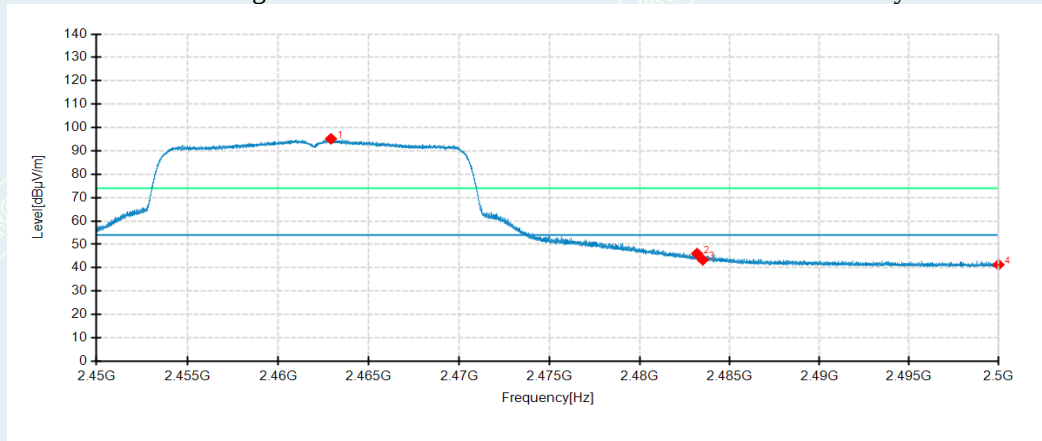
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

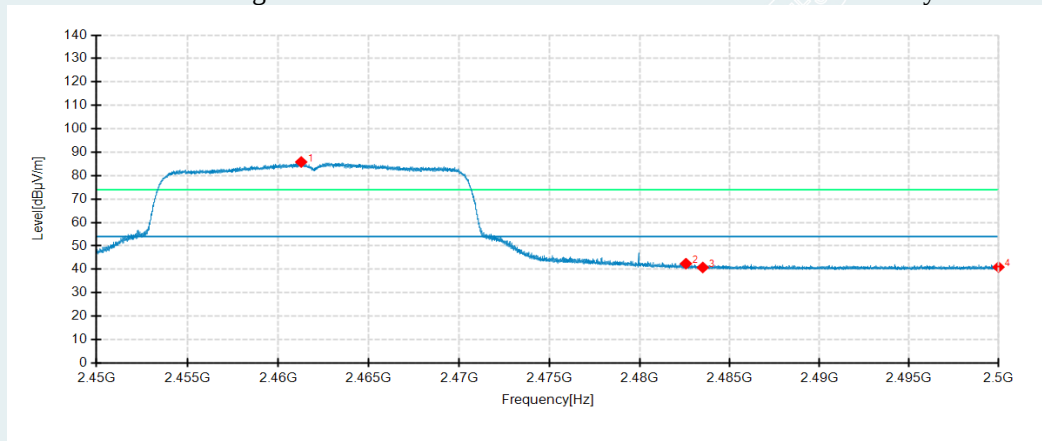
Date: 2022-03-01

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



| No. | Frequency<br>MHz | Reading<br>dBμV/m | Level<br>dBμV/m | Factor<br>dB | Limit<br>dBμV/m | Margin<br>dB | Height<br>cm | Angle<br>° | Pole       | Comment  |
|-----|------------------|-------------------|-----------------|--------------|-----------------|--------------|--------------|------------|------------|----------|
| 1   | 2462.9100        | 90.89             | 95.16           | 4.27         | 54.00           | -41.16       | 200          | 177        | Horizontal | No limit |
| 2   | 2483.1800        | 41.74             | 46.07           | 4.33         | 54.00           | 7.93         | 100          | 156        | Horizontal | /        |
| 3   | 2483.5000        | 39.03             | 43.36           | 4.33         | 54.00           | 10.64        | 100          | 135        | Horizontal | /        |
| 4   | 2500.0000        | 36.91             | 41.29           | 4.38         | 54.00           | 12.71        | 100          | 135        | Horizontal | /        |
| 1   | 2461.2700        | 81.57             | 85.83           | 4.26         | 54.00           | -31.83       | 200          | 135        | Vertical   | No limit |
| 2   | 2482.5650        | 38.08             | 42.41           | 4.33         | 54.00           | 11.59        | 200          | 218        | Vertical   | /        |
| 3   | 2483.5000        | 36.45             | 40.78           | 4.33         | 54.00           | 13.22        | 100          | 245        | Vertical   | /        |
| 4   | 2500.0000        | 36.58             | 40.96           | 4.38         | 54.00           | 13.04        | 100          | 341        | Vertical   | /        |

**802.11n HT20 mode-MIMO****Lowest Channel**

Frequency 2412MHz

Environment: 25°C/60%RH

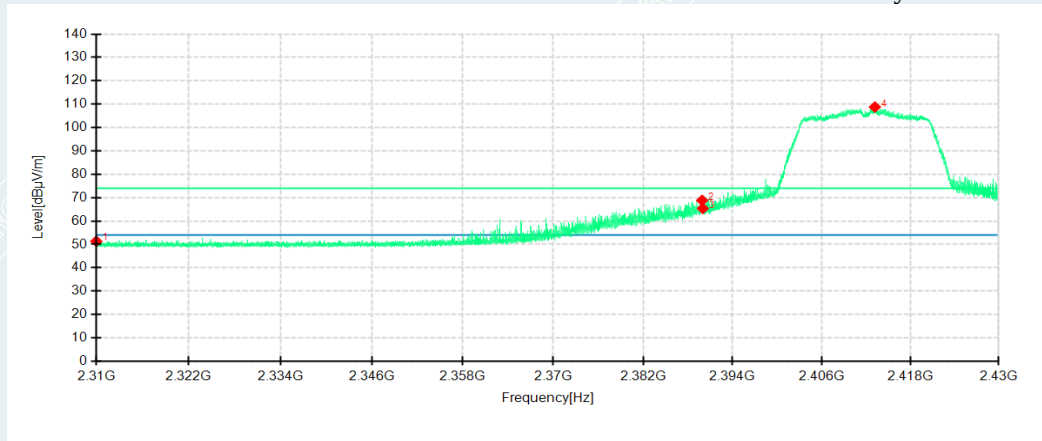
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

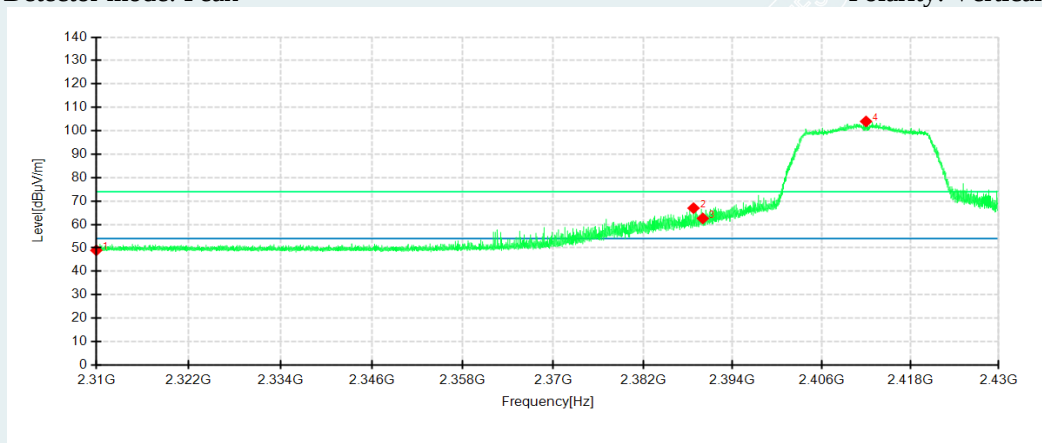
Date: 2022-03-01

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



| No. | Frequency MHz | Reading dBμV/m | Level dBμV/m | Factor dB | Limit dBμV/m | Margin dB | Height cm | Angle ° | Pole       | Comment  |
|-----|---------------|----------------|--------------|-----------|--------------|-----------|-----------|---------|------------|----------|
| 1   | 2310.0000     | 47.85          | 51.33        | 3.48      | 74.00        | 22.67     | 200       | 320     | Horizontal | /        |
| 2   | 2389.9080     | 65.02          | 68.83        | 3.81      | 74.00        | 5.17      | 100       | 218     | Horizontal | /        |
| 3   | 2390.0000     | 61.56          | 65.37        | 3.81      | 74.00        | 8.63      | 100       | 184     | Horizontal | /        |
| 4   | 2413.2000     | 104.71         | 108.76       | 4.05      | 74.00        | -34.76    | 100       | 170     | Horizontal | No limit |
| 1   | 2310.0000     | 45.48          | 48.96        | 3.48      | 74.00        | 25.04     | 100       | 251     | Vertical   | /        |
| 2   | 2388.7560     | 63.19          | 66.98        | 3.79      | 74.00        | 7.02      | 100       | 300     | Vertical   | /        |
| 3   | 2390.0000     | 58.78          | 62.59        | 3.81      | 74.00        | 11.41     | 100       | 142     | Vertical   | /        |
| 4   | 2412.0000     | 99.97          | 104.01       | 4.04      | 74.00        | -30.01    | 100       | 306     | Vertical   | No limit |

**802.11n HT20 mode-MIMO****Lowest Channel**

Frequency 2412MHz

Environment: 25°C/60%RH

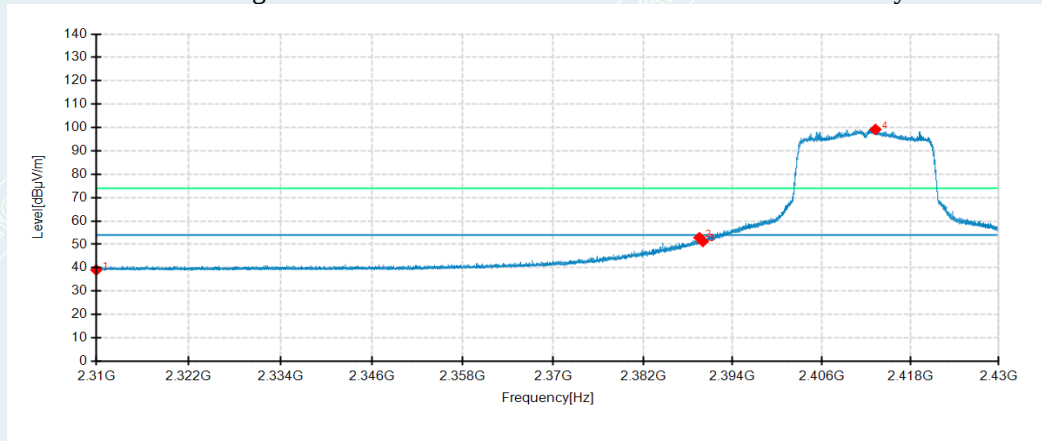
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

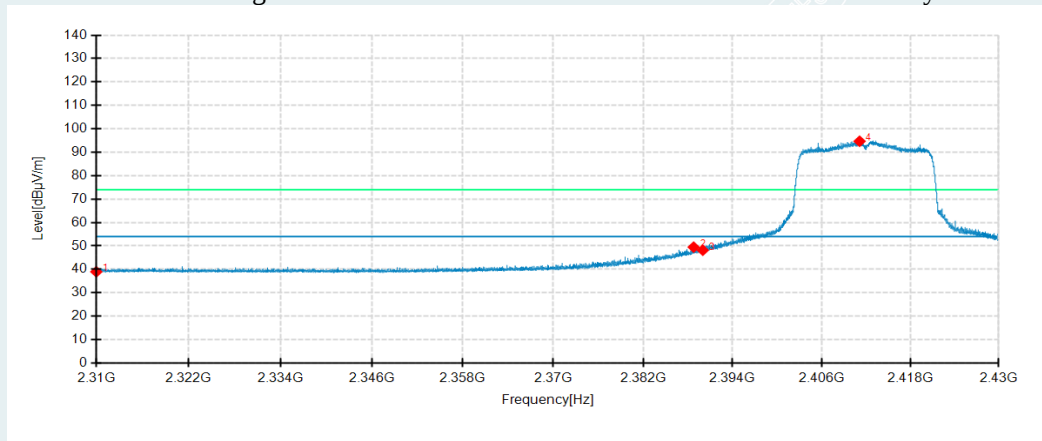
Date: 2022-02-28

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



| No. | Frequency<br>MHz | Reading<br>dBμV/m | Level<br>dBμV/<br>m | Factor<br>dB | Limit<br>dBμV/m | Margin<br>dB | Height<br>cm | Angle<br>° | Pole       | Comment  |
|-----|------------------|-------------------|---------------------|--------------|-----------------|--------------|--------------|------------|------------|----------|
| 1   | 2310.0000        | 35.55             | 39.03               | 3.48         | 54.00           | 14.97        | 200          | 190        | Horizontal | /        |
| 2   | 2389.5480        | 49.04             | 52.84               | 3.80         | 54.00           | 1.16         | 100          | 183        | Horizontal | /        |
| 3   | 2390.0000        | 47.41             | 51.22               | 3.81         | 54.00           | 2.78         | 100          | 183        | Horizontal | /        |
| 4   | 2413.2720        | 95.12             | 99.17               | 4.05         | 54.00           | -45.17       | 200          | 156        | Horizontal | No limit |
| 1   | 2310.0000        | 35.46             | 38.94               | 3.48         | 54.00           | 15.06        | 100          | 204        | Vertical   | /        |
| 2   | 2388.7680        | 45.69             | 49.48               | 3.79         | 54.00           | 4.52         | 100          | 252        | Vertical   | /        |
| 3   | 2390.0000        | 44.34             | 48.15               | 3.81         | 54.00           | 5.85         | 100          | 266        | Vertical   | /        |
| 4   | 2411.1240        | 90.64             | 94.68               | 4.04         | 54.00           | -40.68       | 100          | 272        | Vertical   | No limit |

**802.11n HT20 mode-MIMO****Highest Channel**

Frequency 2462MHz

Environment: 25°C/60%RH

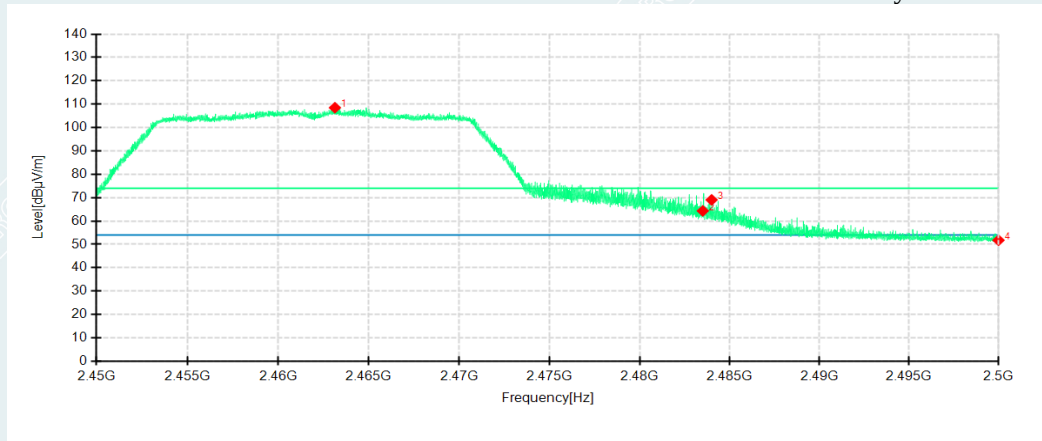
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC 120V/60Hz

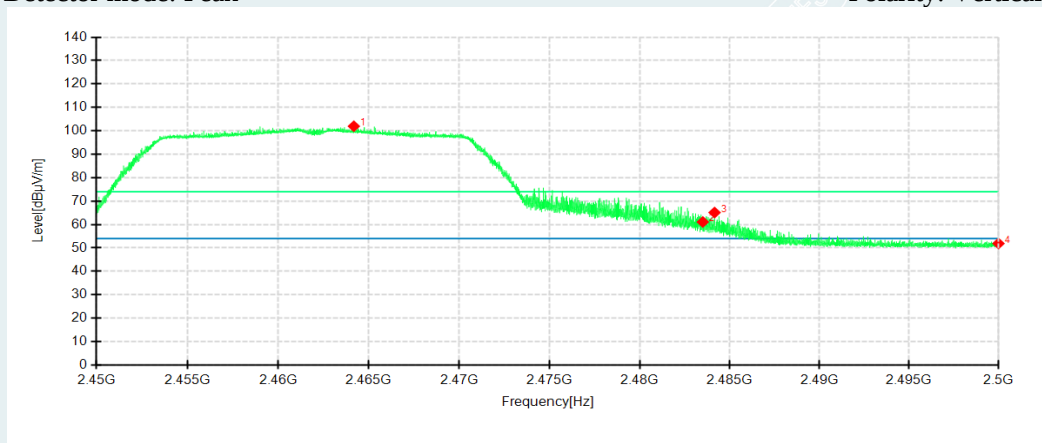
Date: 2022-02-28

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



| No. | Frequency<br>MHz | Reading<br>dBμV/m | Level<br>dBμV/m | Factor<br>dB | Limit<br>dBμV/m | Margin<br>dB | Height<br>cm | Angle<br>° | Pole       | Comment  |
|-----|------------------|-------------------|-----------------|--------------|-----------------|--------------|--------------|------------|------------|----------|
| 1   | 2463.1250        | 104.21            | 108.48          | 4.27         | 74.00           | -34.48       | 100          | 168        | Horizontal | No limit |
| 2   | 2483.5000        | 60.00             | 64.33           | 4.33         | 74.00           | 9.67         | 200          | 253        | Horizontal | /        |
| 3   | 2483.9900        | 64.72             | 69.05           | 4.33         | 74.00           | 4.95         | 200          | 163        | Horizontal | /        |
| 4   | 2500.0000        | 47.38             | 51.76           | 4.38         | 74.00           | 22.24        | 100          | 141        | Horizontal | /        |
| 1   | 2464.1700        | 97.67             | 101.94          | 4.27         | 74.00           | -27.94       | 100          | 150        | Vertical   | No limit |
| 2   | 2483.5000        | 56.75             | 61.08           | 4.33         | 74.00           | 12.92        | 100          | 164        | Vertical   | /        |
| 3   | 2484.1550        | 60.76             | 65.09           | 4.33         | 74.00           | 8.91         | 100          | 303        | Vertical   | /        |
| 4   | 2500.0000        | 47.50             | 51.88           | 4.38         | 74.00           | 22.12        | 100          | 157        | Vertical   | /        |

**802.11n HT20 mode-MIMO****Highest Channel**

Frequency 2462MHz

Environment: 25°C/60%RH

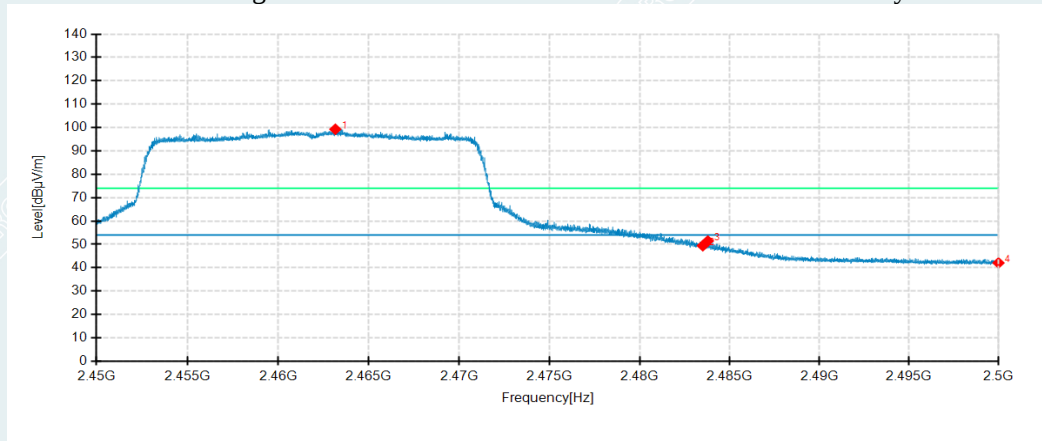
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC 120V/60Hz

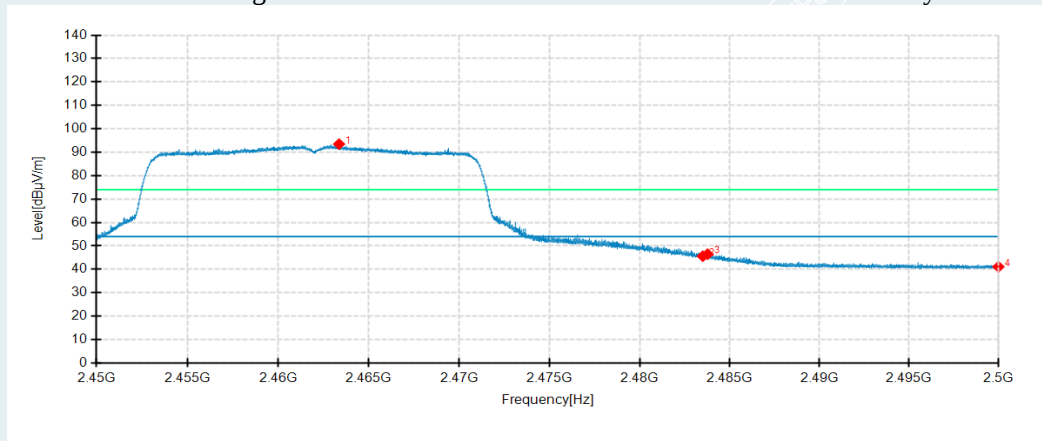
Date: 2022-02-28

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



| No. | Frequency<br>MHz | Reading<br>dBμV/m | Level<br>dBμV/<br>m | Factor<br>dB | Limit<br>dBμV/m | Margin<br>dB | Height<br>cm | Angle<br>° | Pole       | Comment  |
|-----|------------------|-------------------|---------------------|--------------|-----------------|--------------|--------------|------------|------------|----------|
| 1   | 2463.1500        | 94.99             | 99.26               | 4.27         | 54.00           | -45.26       | 100          | 183        | Horizontal | No limit |
| 2   | 2483.5000        | 45.10             | 49.43               | 4.33         | 54.00           | 4.57         | 100          | 183        | Horizontal | /        |
| 3   | 2483.7800        | 47.12             | 51.45               | 4.33         | 54.00           | 2.55         | 100          | 204        | Horizontal | /        |
| 4   | 2500.0000        | 37.68             | 42.06               | 4.38         | 54.00           | 11.94        | 100          | 169        | Horizontal | /        |
| 1   | 2463.3550        | 89.19             | 93.46               | 4.27         | 54.00           | -39.46       | 100          | 252        | Vertical   | No limit |
| 2   | 2483.5000        | 41.29             | 45.62               | 4.33         | 54.00           | 8.38         | 100          | 142        | Vertical   | /        |
| 3   | 2483.7650        | 42.13             | 46.46               | 4.33         | 54.00           | 7.54         | 100          | 142        | Vertical   | /        |
| 4   | 2500.0000        | 36.72             | 41.10               | 4.38         | 54.00           | 12.90        | 100          | 252        | Vertical   | /        |

#### **APPENDIX A. PHOTOGRAPH OF THE TEST CONNECTION DIAGRAM**

Please refer to the attached document E202111246805-20-Test photo.

#### **APPENDIX B. PHOTOGRAPH OF THE EUT**

Please refer to the attached document E202111246805-21-EUT photo.

----- End of Report -----