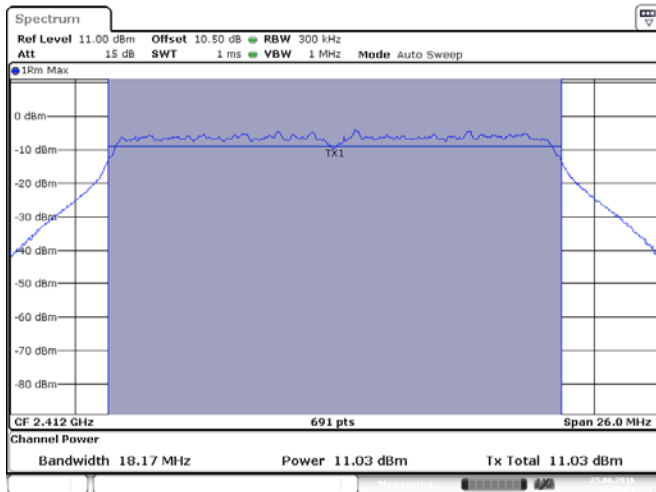
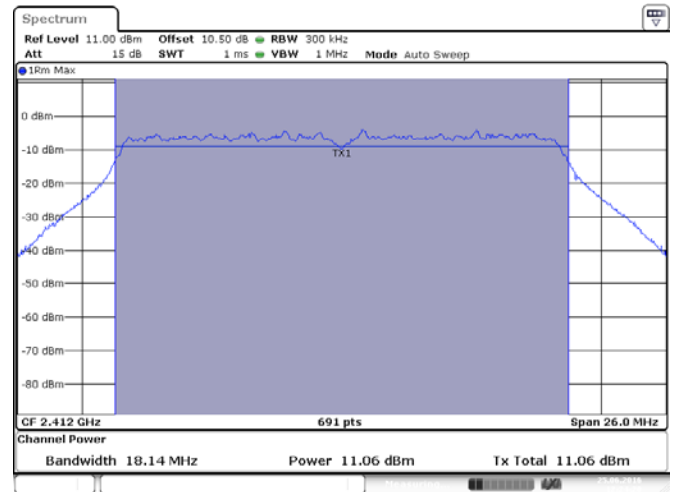


ANT 1(802.11n20)

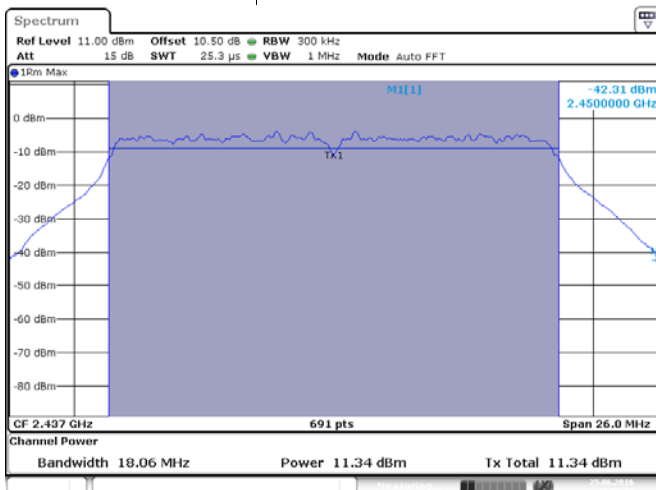


Date: 25 JUN. 2016 12:22:21

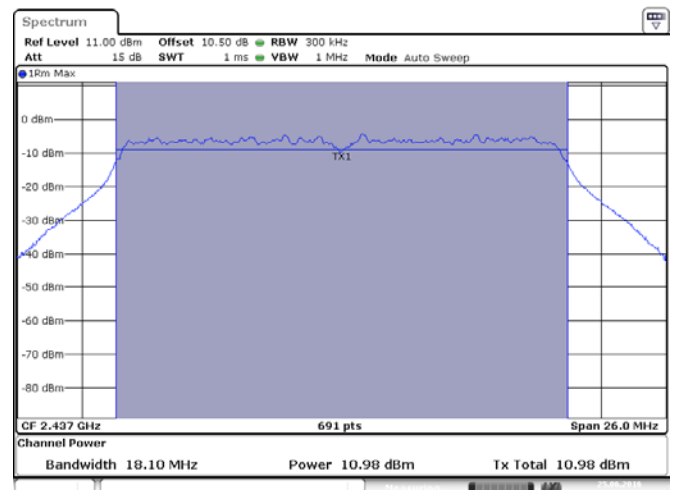
ANT 2(802.11 n20)



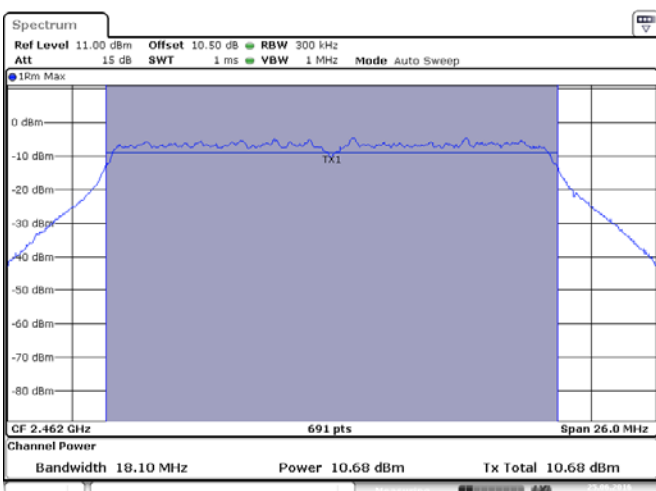
Date: 25 JUN. 2016 12:24:28



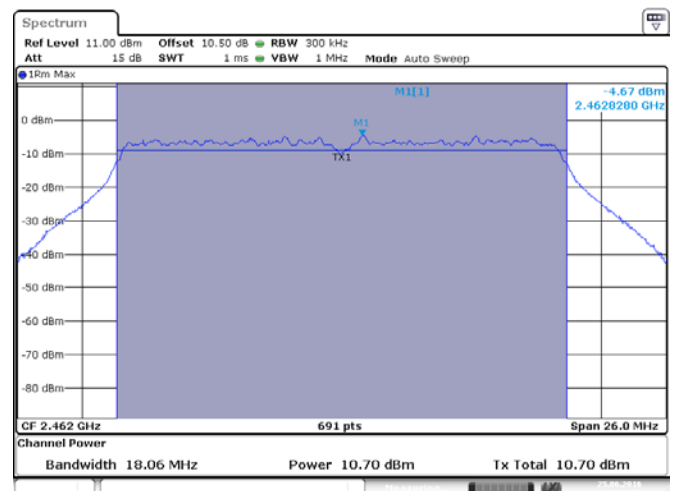
Date: 25 JUN. 2016 12:26:13



Date: 25 JUN. 2016 12:27:05

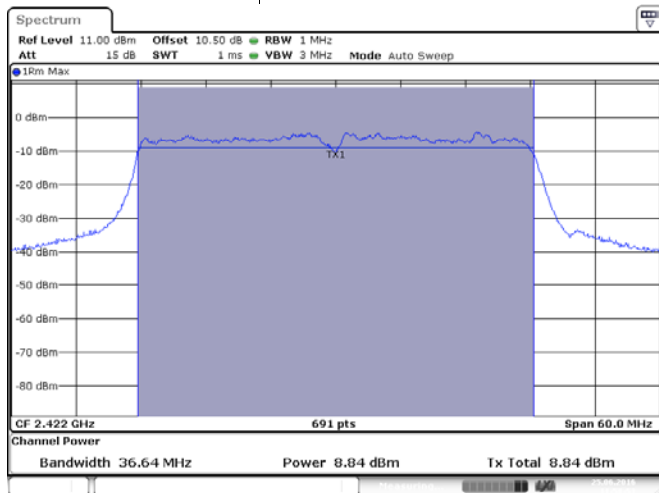


Date: 25 JUN. 2016 12:28:14



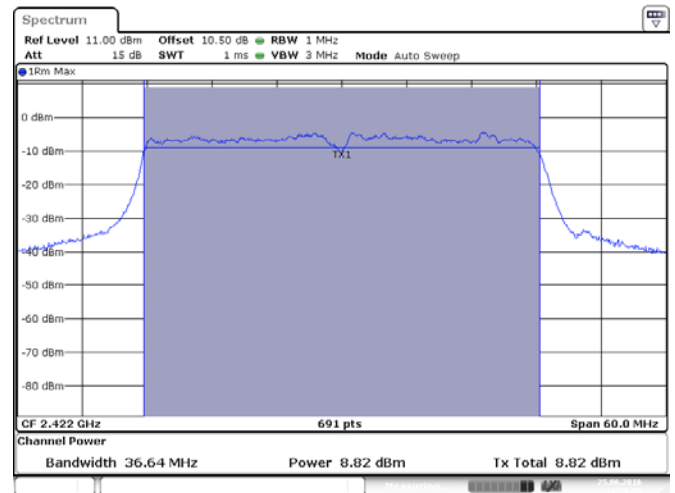
Date: 25 JUN. 2016 12:29:28

ANT 1(802.11n40)

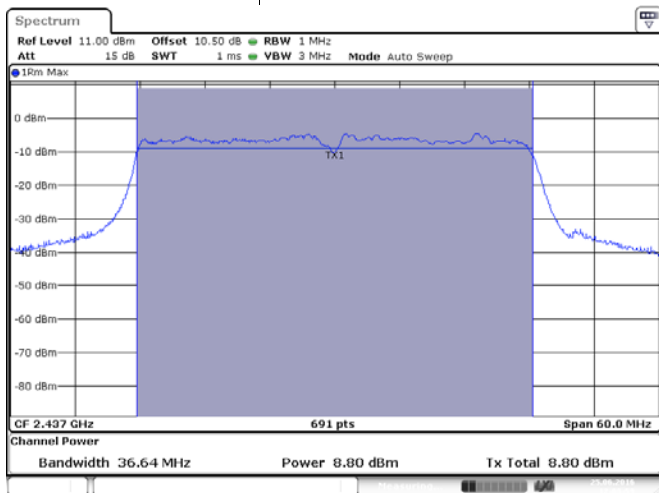


Date: 25.JUN.2016 11:58:53

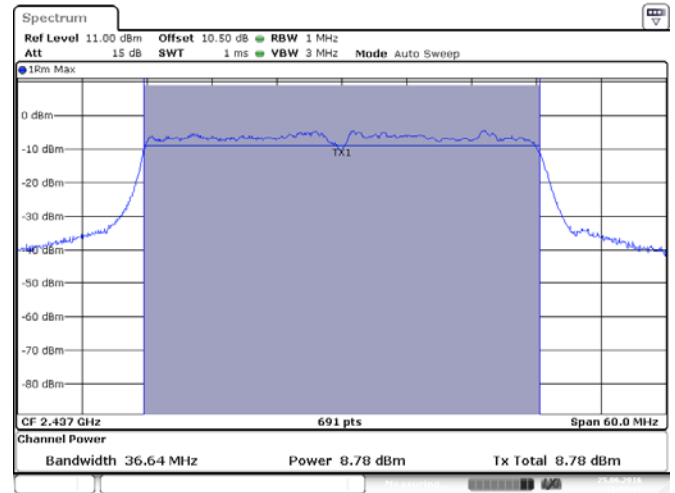
ANT 2(802.11n40)



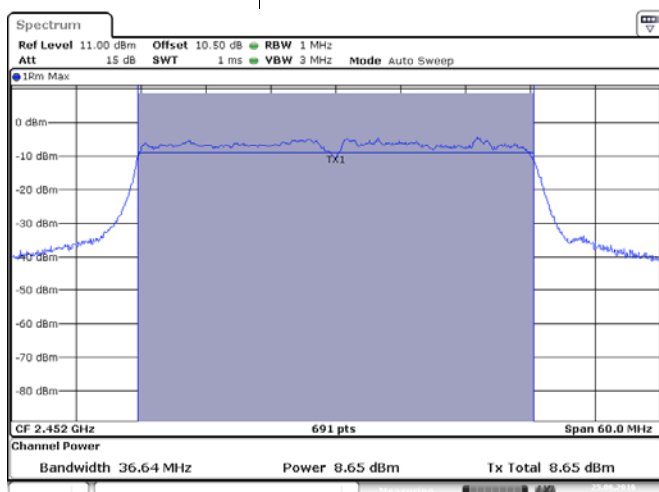
Date: 25.JUN.2016 11:59:26



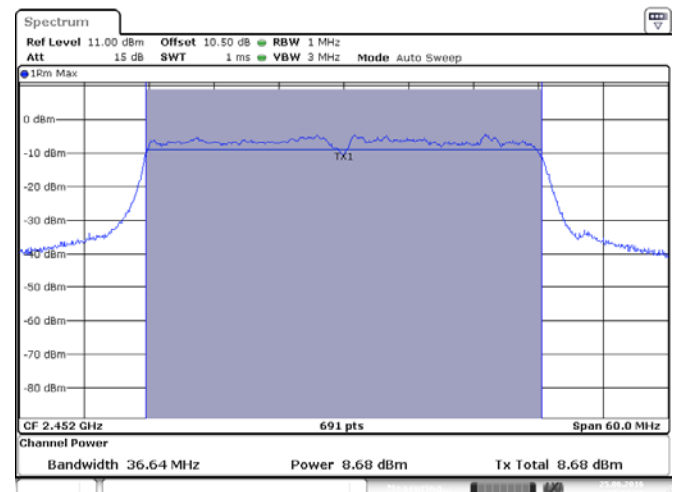
Date: 25.JUN.2016 12:00:59



Date: 25.JUN.2016 12:00:33



Date: 25.JUN.2016 12:01:52

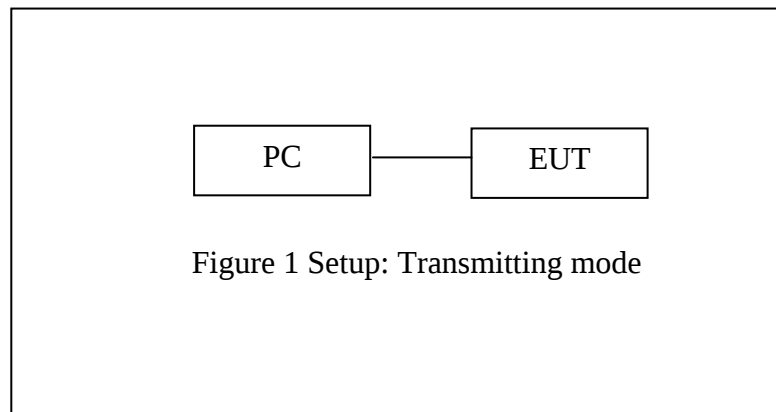


Date: 25.JUN.2016 12:02:30

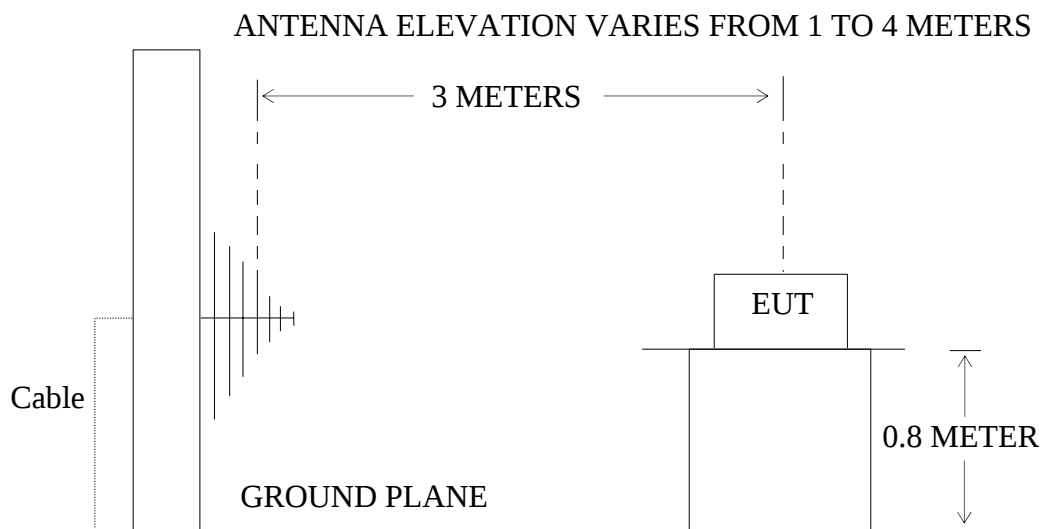
## 9. RADIATED SPURIOUS EMISSION TEST

### 9.1. Block Diagram of Test Setup

#### 9.1.1. Block diagram of connection between the EUT and peripherals



#### 9.1.2. Semi-Anechoic Chamber Test Setup Diagram



### 9.2. The Limit For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the

general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

### 9.3.Restricted bands of operation

#### 9.3.1.FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

| 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         | 2690-2900     | 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     | ( <sup>2</sup> ) |
| 13.36-13.41              |                     |               |                  |

<sup>1</sup>Until February 1, 1999, this restricted band shall be 0.490-0.510

<sup>2</sup>Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

### 9.4.Configuration of EUT on Measurement

The equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

## 9.5. Operating Condition of EUT

9.5.1. Setup the EUT and simulator as shown as Section 9.1.

9.5.2. Turn on the power of all equipment.

9.5.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

## 9.6. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground (Below 1GHz). The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground (Above 1GHz). The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The worst-case data rate for this channel to be 1Mbps for 802.11b mode and 6Mbps for 802.11g mode and 150Mbps for 802.11n mode, based on previous with 802.11 WLAN product design architectures.

The frequency range from 30MHz to 25000MHz is checked.

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

During the radiated emission test, the spectrum analyzer was set with the following configurations:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

## 9.7.The Field Strength of Radiation Emission Measurement Results

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. \*: Denotes restricted band of operation.

3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.

4. The EUT is tested radiation emission at each test mode (802.11b/g/n) in three axes. Besides, We have tested the single antenna transmit mode and the dual antenna emission mode. The worst emissions(the dual antenna emission mode) are reflected in the following plots.

5. The radiation emissions from 18-25GHz are not reported, because the test values lower than the limits of 20dB

6. The average measurement was not performed when peak measured data under the limit of average detection.

## Below 1G



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Site: 2# Chamber

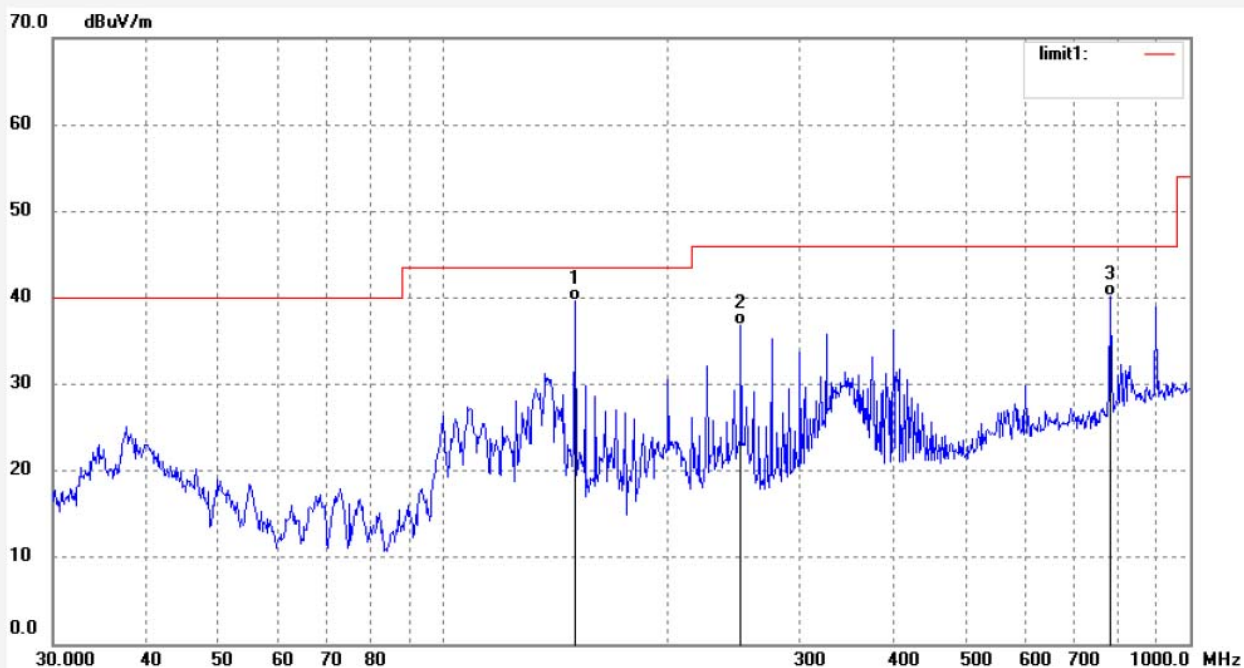
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1406  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 1(802.11b)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Horizontal  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 19:44:17  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 150.0107    | 54.86            | -15.16      | 39.70           | 43.50          | -3.80       | QP       |             |               |        |
| 2   | 250.3011    | 47.59            | -10.77      | 36.82           | 46.00          | -9.18       | QP       |             |               |        |
| 3   | 782.3452    | 40.49            | -0.37       | 40.12           | 46.00          | -5.88       | QP       |             |               |        |



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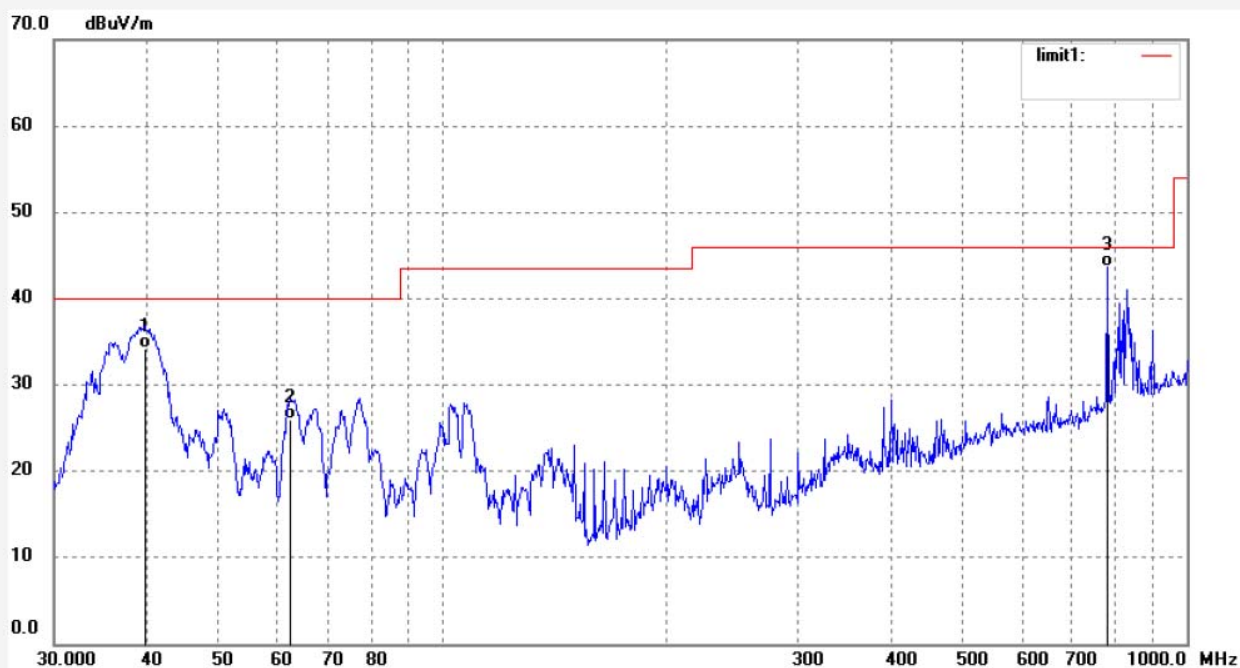
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1405  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 1(802.11b)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Vertical  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 19:43:57  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895

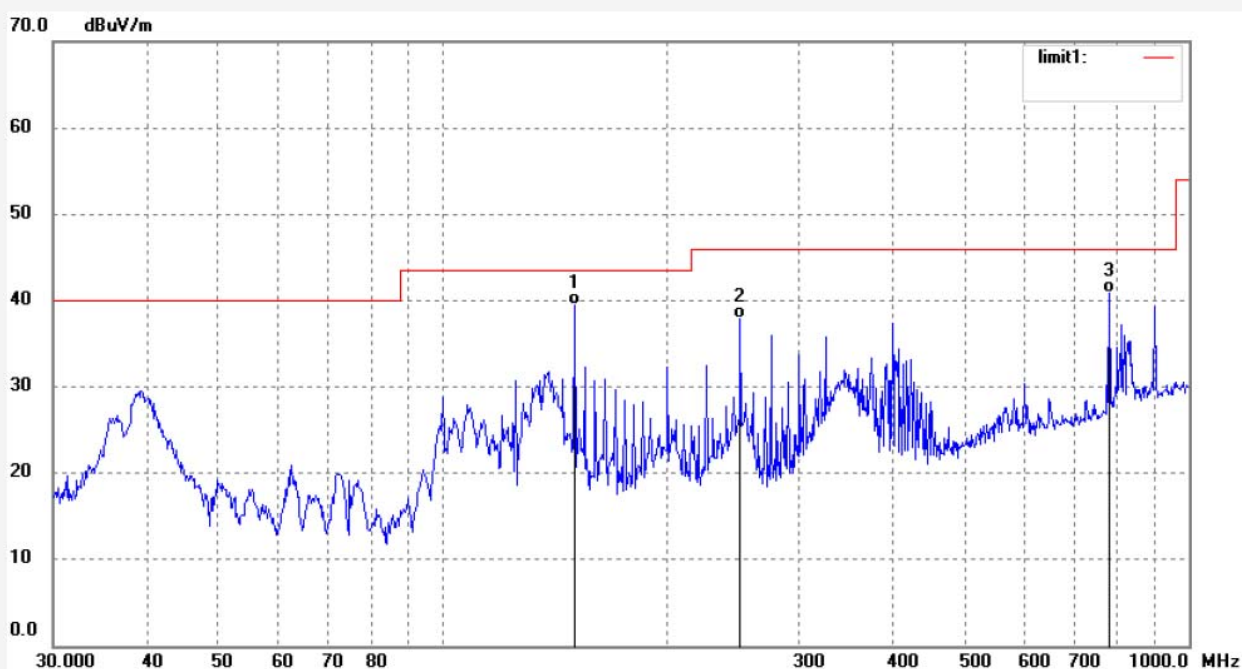


| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 39.7146     | 45.70            | -11.48      | 34.22           | 40.00          | -5.78       | QP       |             |               |        |
| 2   | 62.2128     | 40.65            | -14.73      | 25.92           | 40.00          | -14.08      | QP       |             |               |        |
| 3   | 782.3451    | 44.10            | -0.37       | 43.73           | 46.00          | -2.27       | QP       |             |               |        |

Job No.: STAR2015 #1407  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 6(802.11b)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Horizontal  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 19:44:59  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 150.0107    | 54.67            | -15.16      | 39.51           | 43.50          | -3.99       | QP       |             |               |        |
| 2   | 250.3011    | 48.61            | -10.77      | 37.84           | 46.00          | -8.16       | QP       |             |               |        |
| 3   | 782.3452    | 41.22            | -0.37       | 40.85           | 46.00          | -5.15       | QP       |             |               |        |



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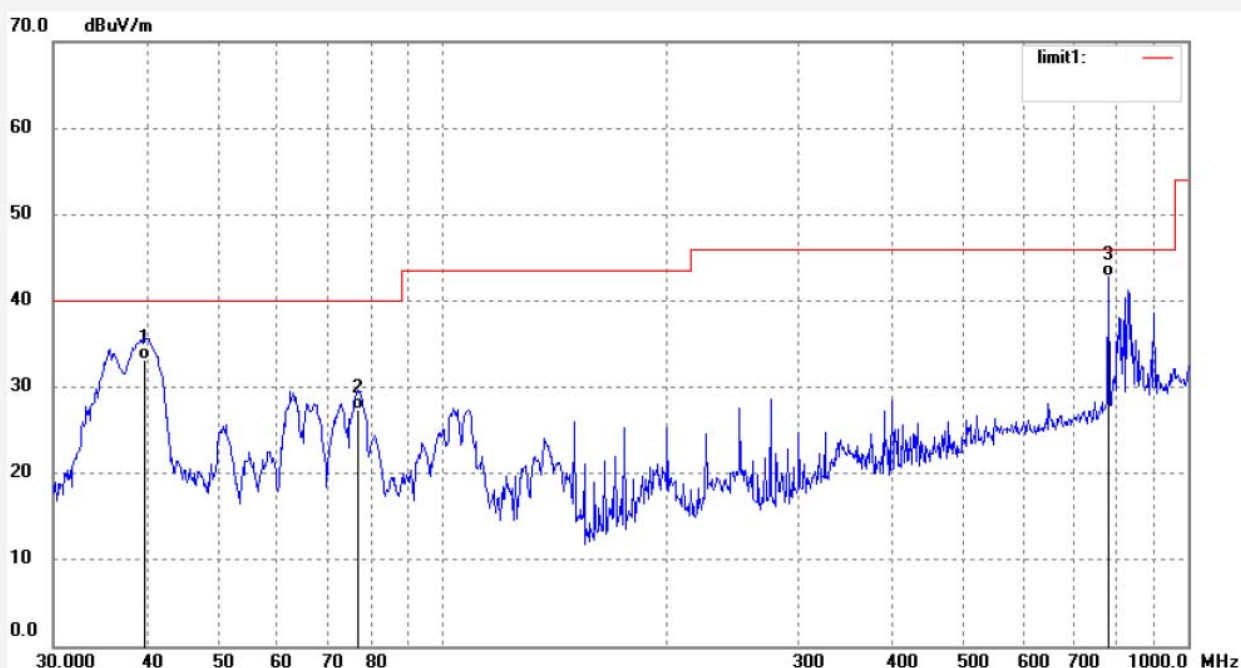
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1408  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 6(802.11b)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Vertical  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 19:45:53  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 39.7146     | 44.67            | -11.48      | 33.19           | 40.00          | -6.81       | QP       |             |               |        |
| 2   | 76.7807     | 44.10            | -16.67      | 27.43           | 40.00          | -12.57      | QP       |             |               |        |
| 3   | 782.3452    | 43.10            | -0.37       | 42.73           | 46.00          | -3.27       | QP       |             |               |        |



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Site: 2# Chamber

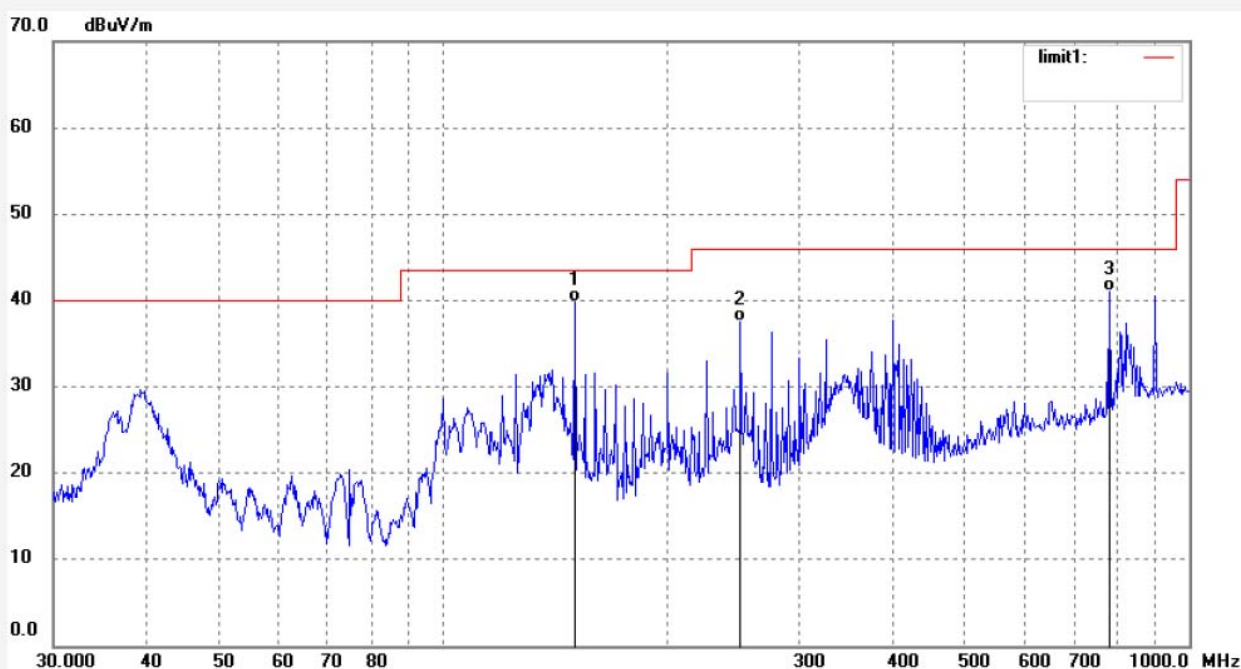
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1410  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 11(802.11b)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Horizontal  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 19:47:24  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895

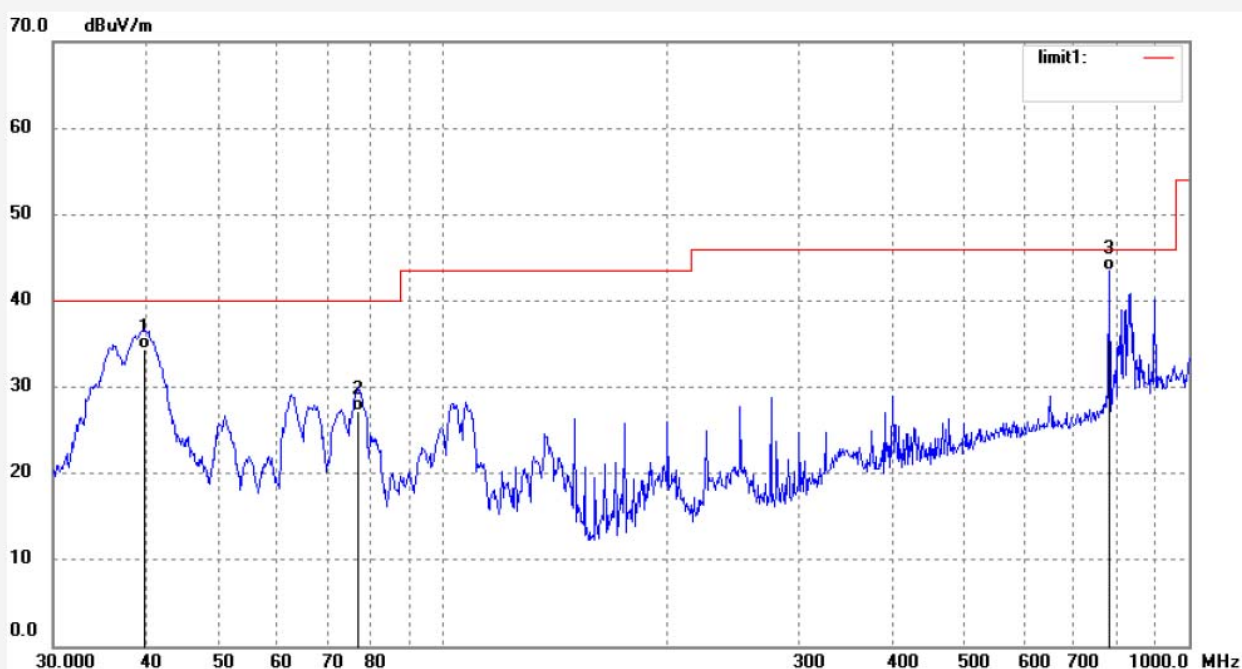


| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 150.0108    | 54.89            | -15.16      | 39.73           | 43.50          | -3.77       | QP       |             |               |        |
| 2   | 250.3012    | 48.22            | -10.77      | 37.45           | 46.00          | -8.55       | QP       |             |               |        |
| 3   | 782.3453    | 41.49            | -0.37       | 41.12           | 46.00          | -4.88       | QP       |             |               |        |

Job No.: STAR2015 #1409  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 11(802.11b)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Vertical  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 19:46:46  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 39.7146        | 45.90               | -11.48         | 34.42              | 40.00             | -5.58          | QP       |                |                  |        |
| 2   | 77.0505        | 43.83               | -16.66         | 27.17              | 40.00             | -12.83         | QP       |                |                  |        |
| 3   | 782.3453       | 43.91               | -0.37          | 43.54              | 46.00             | -2.46          | QP       |                |                  |        |

## Above 1G



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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1342

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: WiFi module

Mode: TX Channel 1(802.11b)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

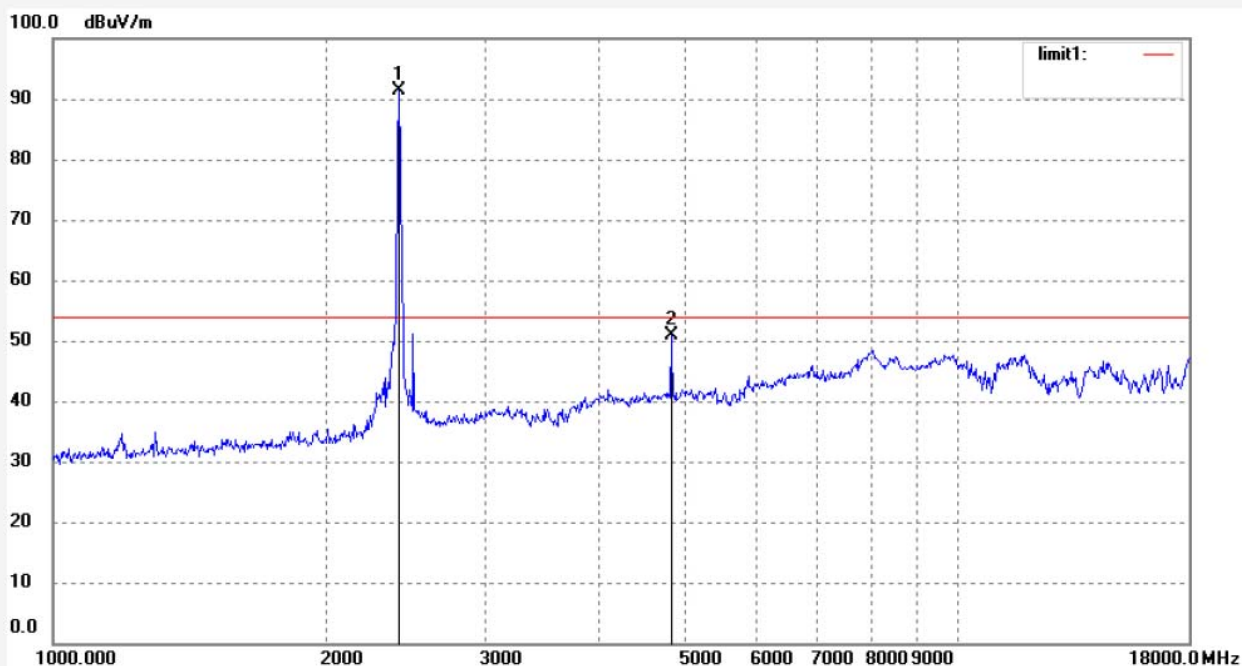
Date: 2016/06/25

Time: 18:04:10

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2412.672       | 100.91              | -7.42          | 93.49              |                   |                | peak     |                |                  |        |
| 2   | 4814.016       | 51.10               | -0.22          | 50.88              | 74.00             | 23.12          | peak     |                |                  |        |



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Site: 2# Chamber

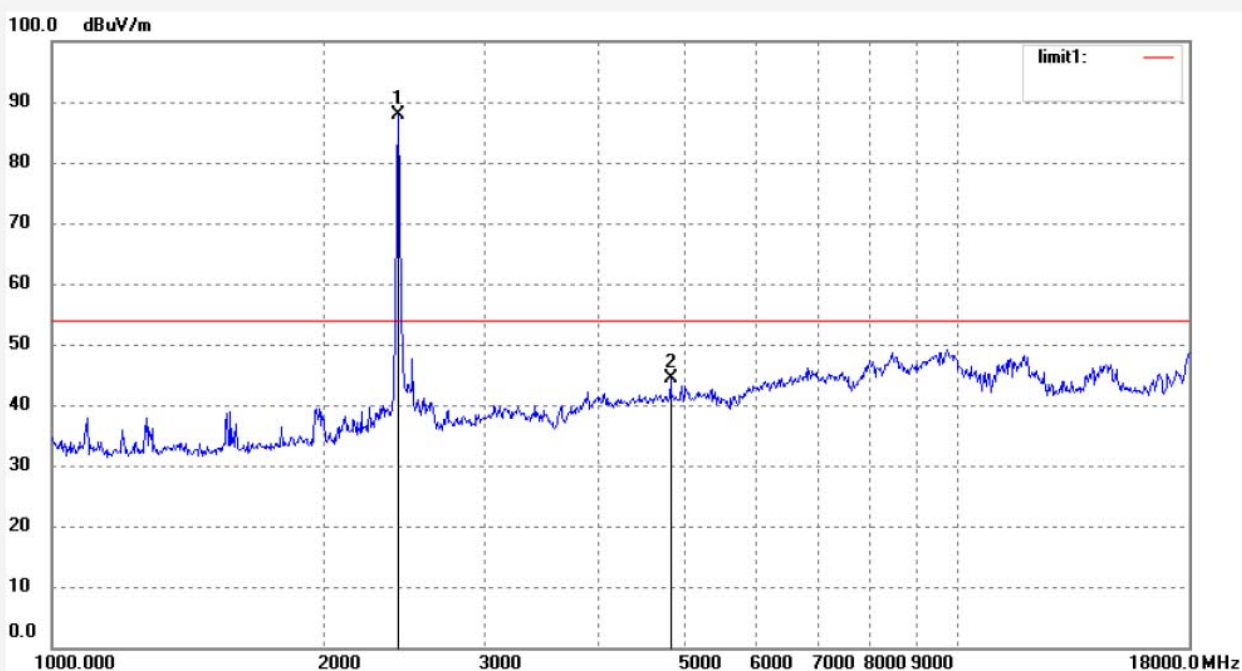
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1341  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 1(802.11b)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Vertical  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 18:03:01  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2412.672    | 97.20            | -7.42       | 89.78           |                |             | peak     |             |               |        |
| 2   | 4814.016    | 44.56            | -0.22       | 44.34           | 74.00          | 29.66       | peak     |             |               |        |



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Site: 2# Chamber

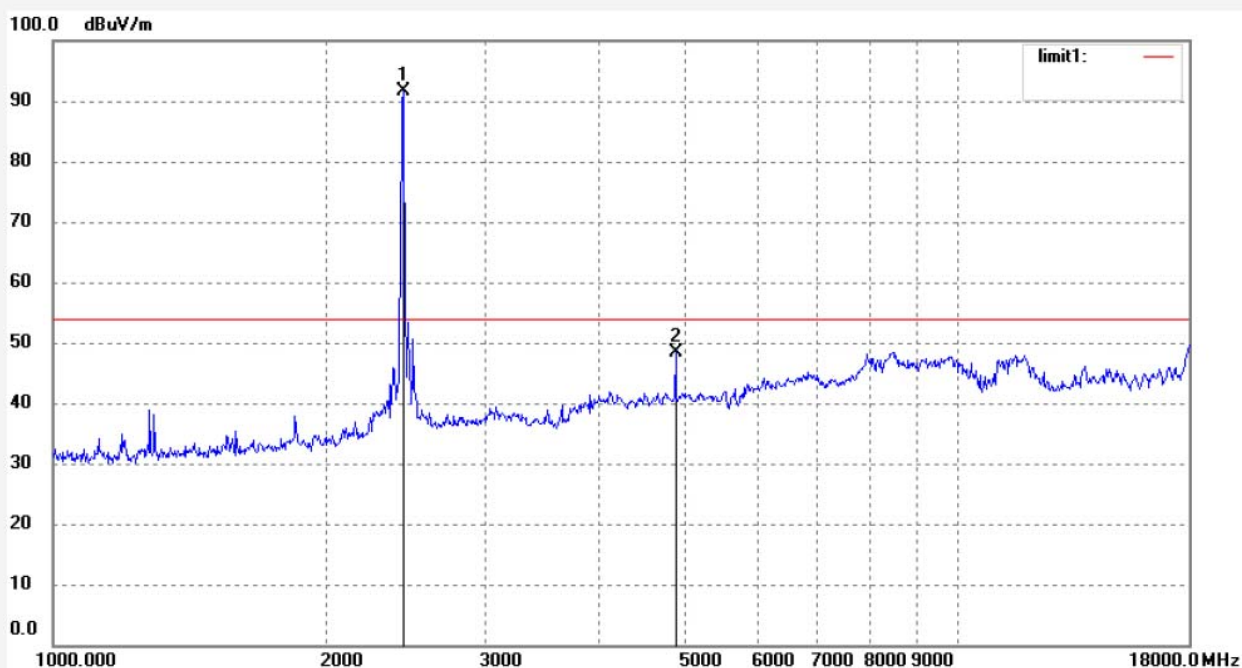
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1343  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 6(802.11b)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Horizontal  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 18:05:39  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2436.701    | 100.99           | -7.37       | 93.62           |                |             | peak     |             |               |        |
| 2   | 4873.402    | 48.34            | 0.09        | 48.43           | 74.00          | 25.57       | peak     |             |               |        |



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Site: 2# Chamber

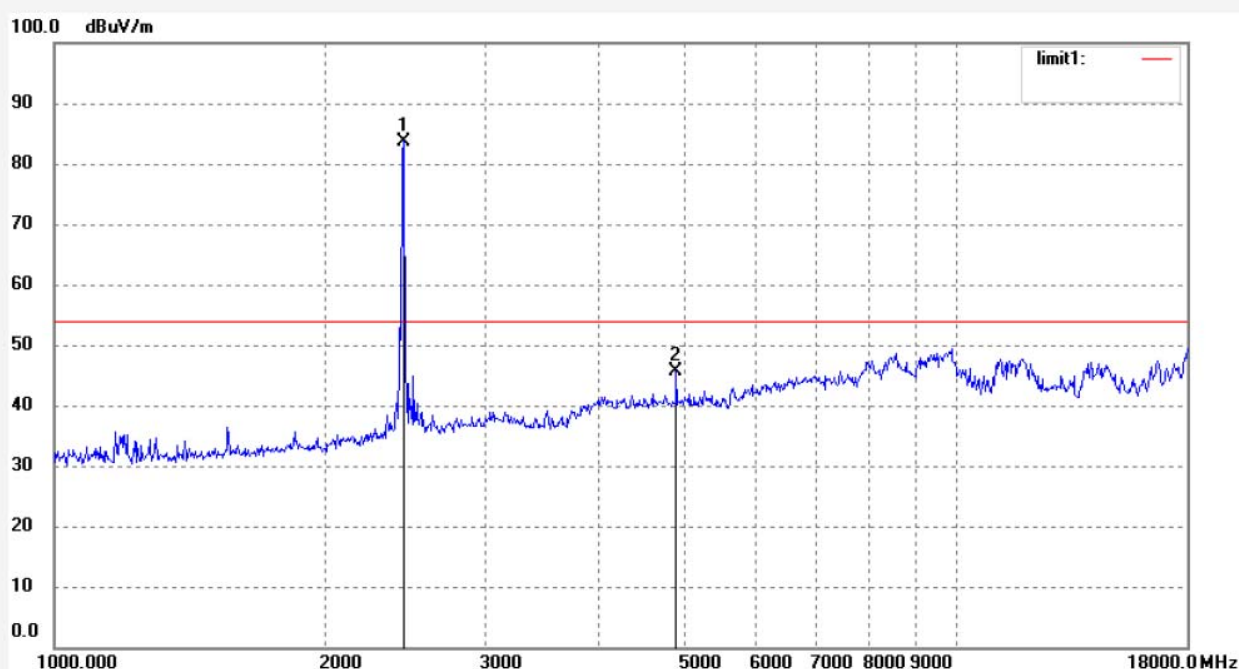
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1344  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 6(802.11b)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Vertical  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 18:06:28  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2436.701    | 93.12            | -7.37       | 85.75           |                |             | peak     |             |               |        |
| 2   | 4873.402    | 45.57            | 0.17        | 45.74           | 74.00          | 28.26       | peak     |             |               |        |



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Site: 2# Chamber

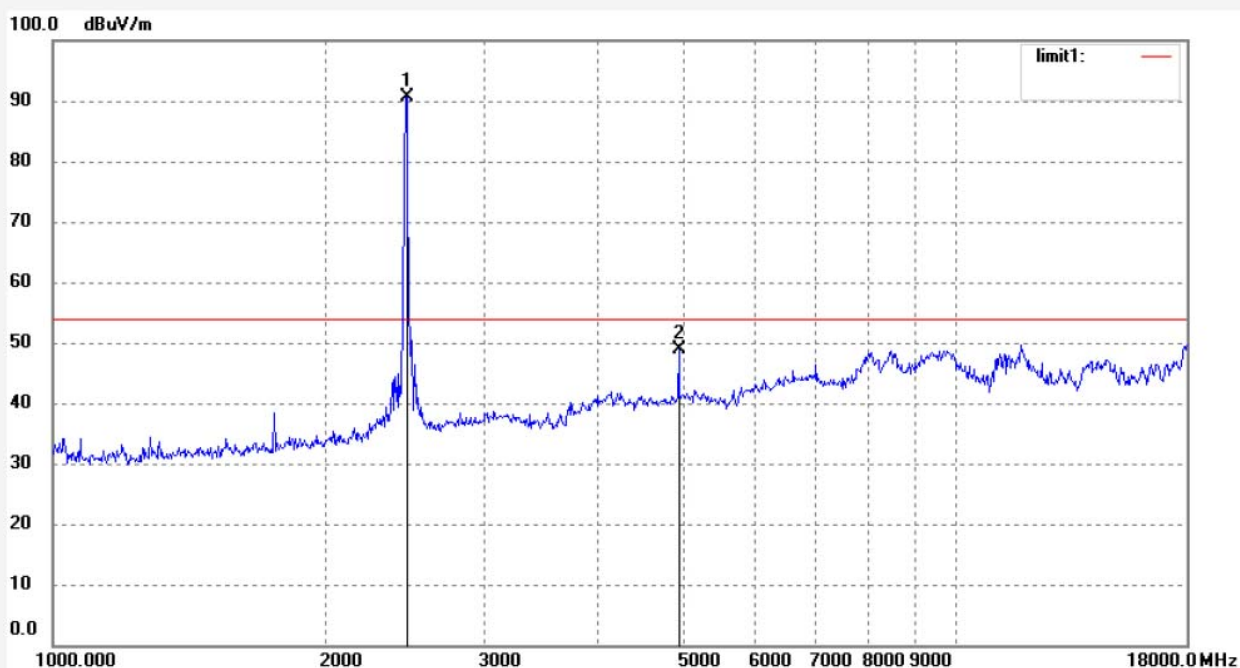
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1346  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 11(802.11b)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Horizontal  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 18:08:40  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895

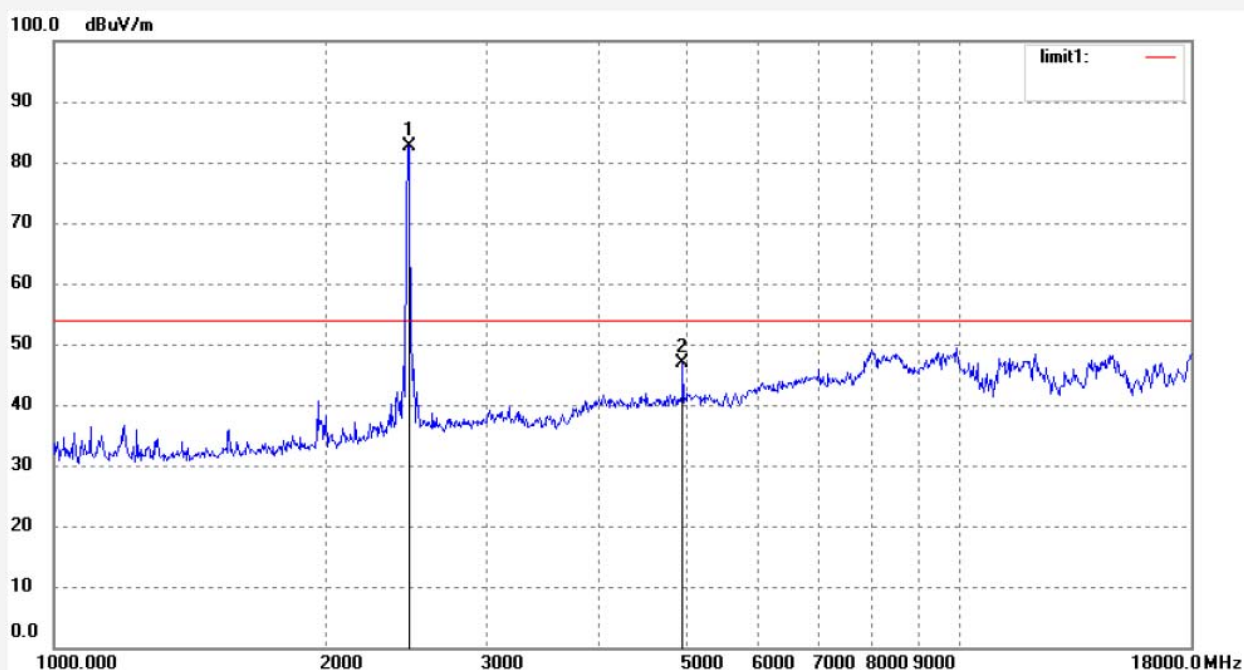


| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2462.024    | 99.93            | -7.35       | 92.58           |                |             | peak     |             |               |        |
| 2   | 4924.048    | 48.53            | 0.38        | 48.91           | 74.00          | 25.09       | peak     |             |               |        |

Job No.: STAR2015 #1345  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 11(802.11b)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Vertical  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 18:07:48  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2462.024    | 92.07            | -7.35       | 84.72           |                |             | peak     |             |               |        |
| 2   | 4924.048    | 46.40            | 0.45        | 46.85           | 74.00          | 27.15       | peak     |             |               |        |



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Site: 2# Chamber

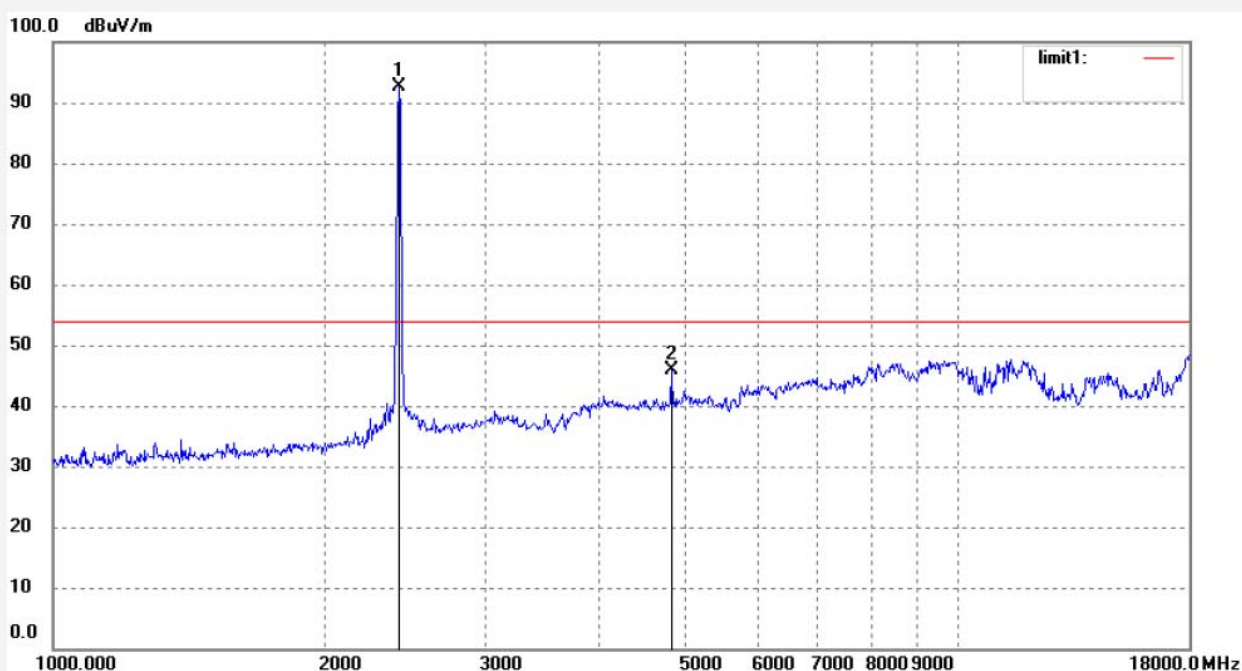
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1347  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 1(802.11g)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Horizontal  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 18:11:08  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2412.672    | 100.04           | -7.42       | 92.62           |                |             | peak     |             |               |        |
| 2   | 4814.016    | 46.09            | -0.22       | 45.87           | 74.00          | 28.13       | peak     |             |               |        |



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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1348

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: WiFi module

Mode: TX Channel 1(802.11g)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

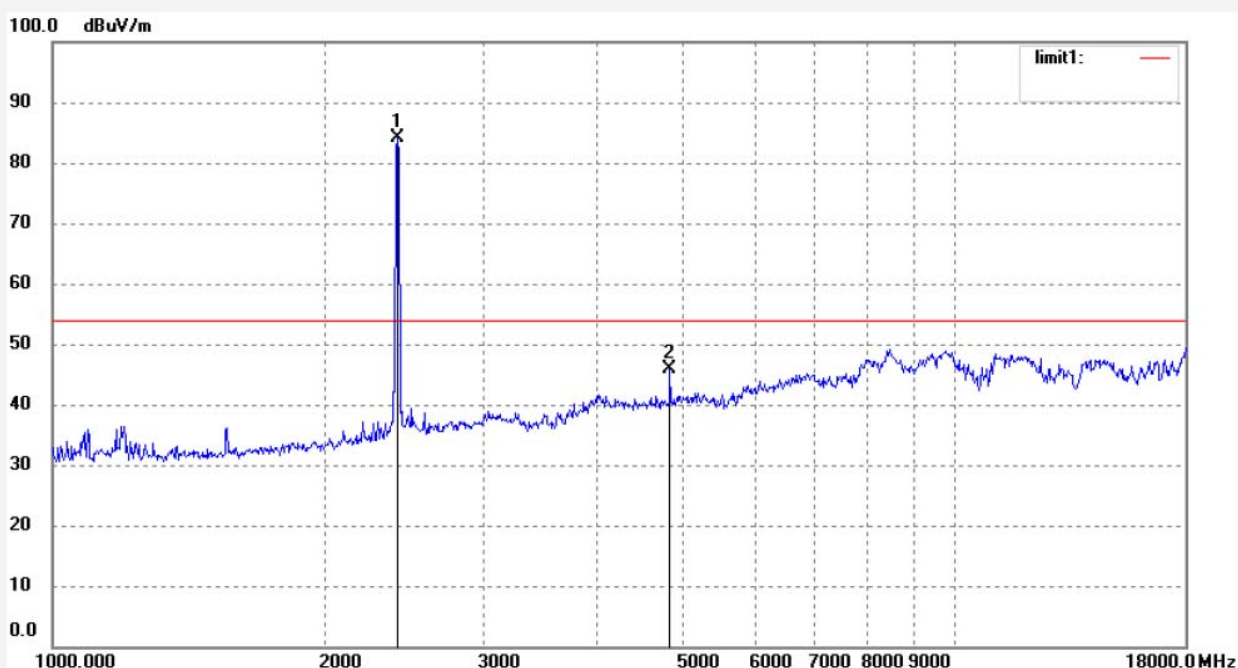
Date: 2016/06/25

Time: 18:11:58

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895

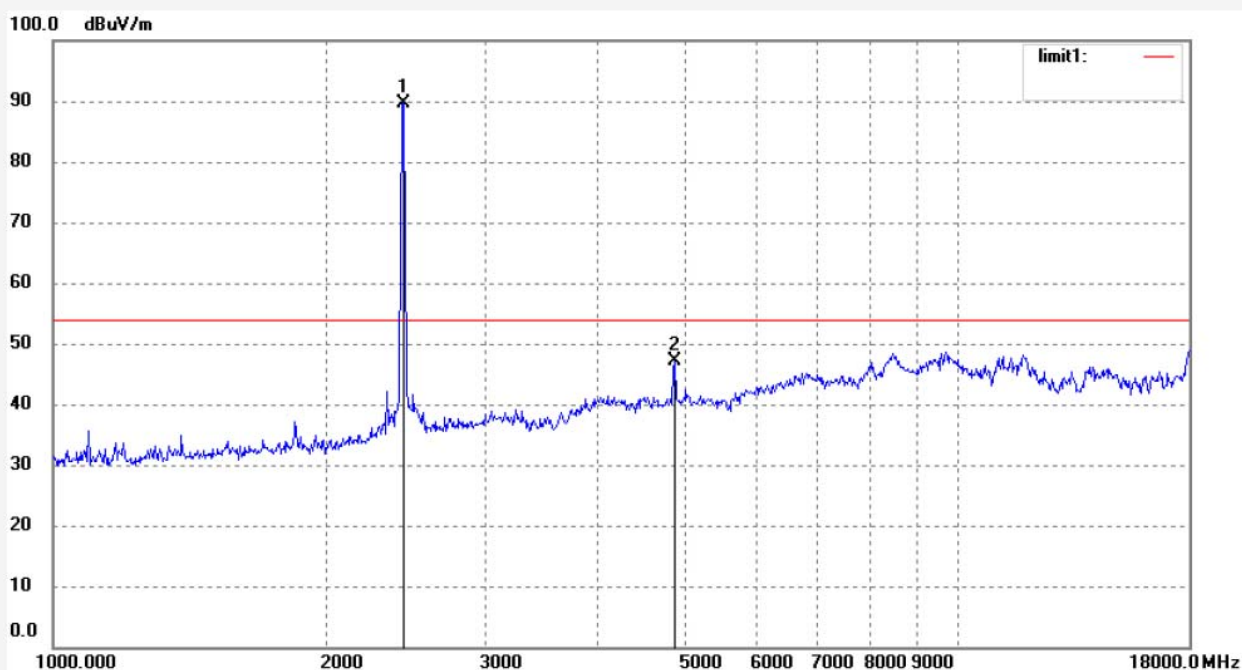


| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2412.672    | 91.50            | -7.42       | 84.08           |                |             | peak     |             |               |        |
| 2   | 4814.016    | 46.06            | -0.14       | 45.92           | 74.00          | 28.08       | peak     |             |               |        |

Job No.: STAR2015 #1350  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 6(802.11g)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Horizontal  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 18:14:16  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2436.671    | 97.04            | -7.37       | 89.67           |                |             | peak     |             |               |        |
| 2   | 4873.342    | 47.05            | 0.02        | 47.07           | 74.00          | 26.93       | peak     |             |               |        |



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Tel:+86-0755-26503290

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Job No.: STAR2015 #1349

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: WiFi module

Mode: TX Channel 6(802.11g)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

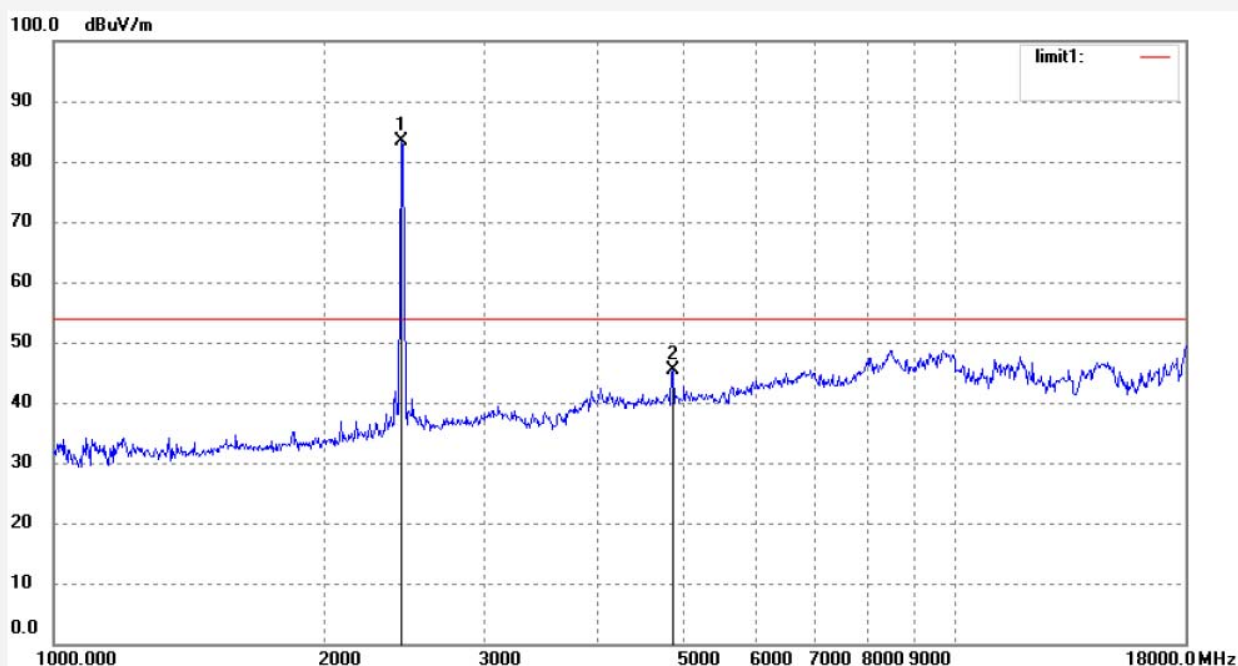
Date: 2016/06/25

Time: 18:13:31

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2436.671    | 90.77            | -7.39       | 83.38           |                |             | peak     |             |               |        |
| 2   | 4873.342    | 45.45            | 0.02        | 45.47           | 74.00          | 28.53       | peak     |             |               |        |



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Site: 2# Chamber

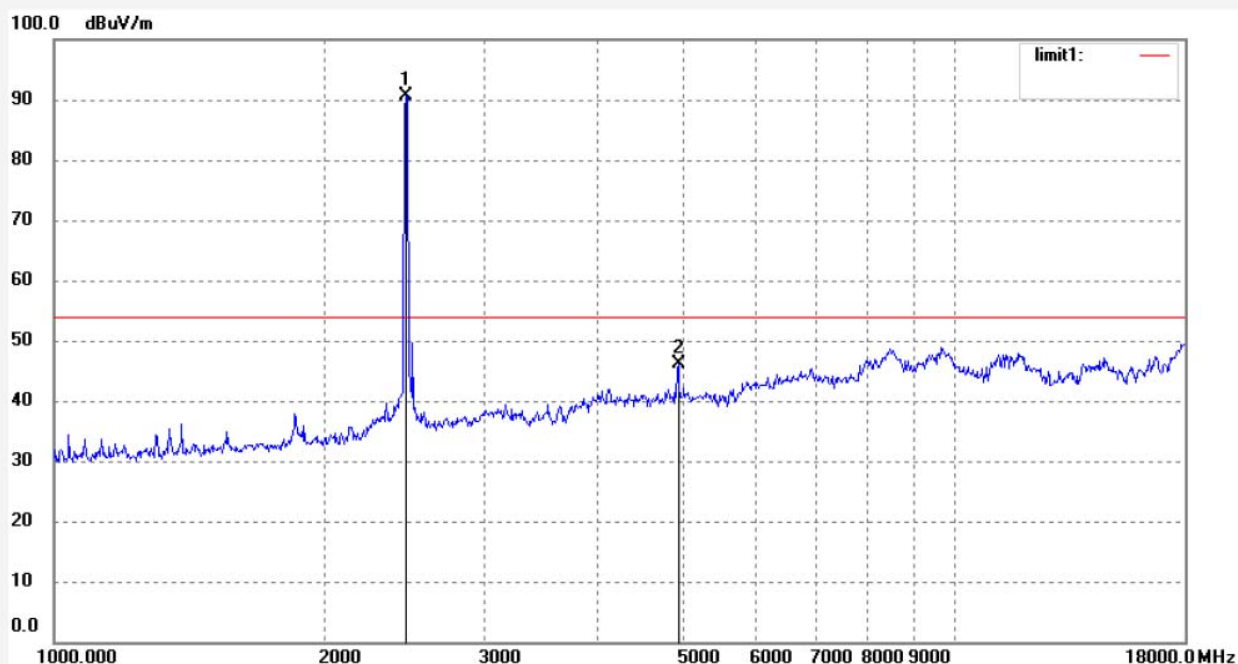
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1351  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 11(802.11g)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Horizontal  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 18:15:52  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895

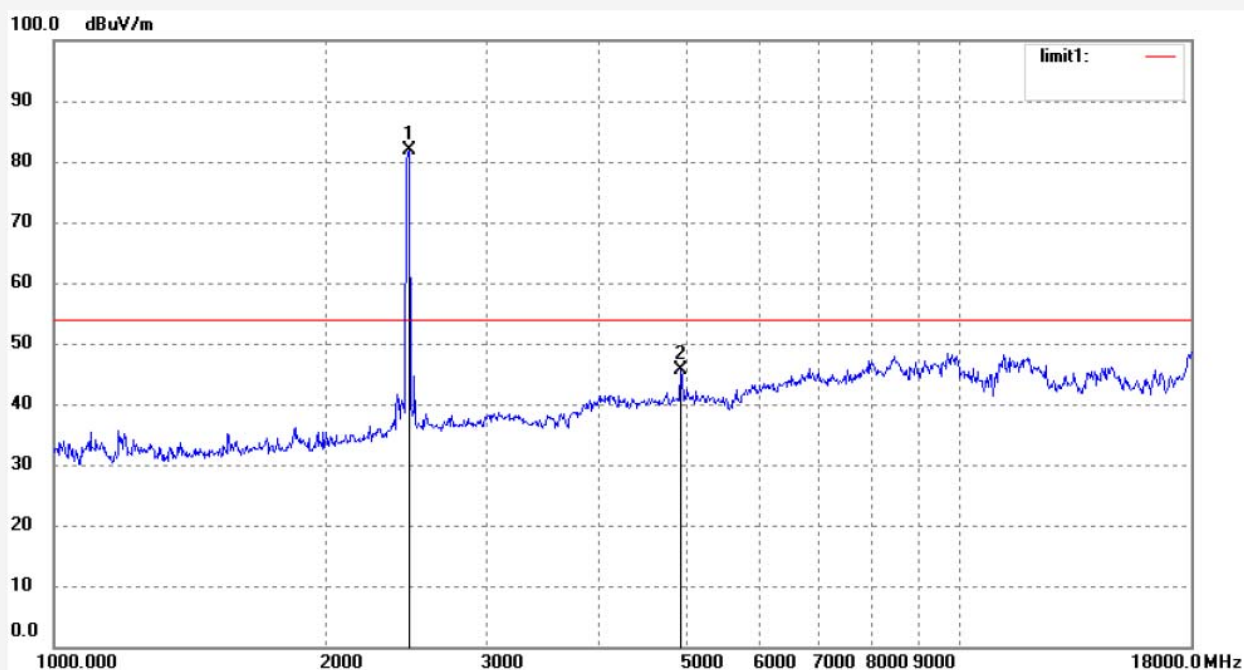


| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2461.913    | 97.87            | -7.34       | 90.53           |                |             | peak     |             |               |        |
| 2   | 4923.826    | 45.65            | 0.38        | 46.03           | 74.00          | 27.97       | peak     |             |               |        |

Job No.: STAR2015 #1352  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 11(802.11g)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Vertical  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 18:17:13  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160894

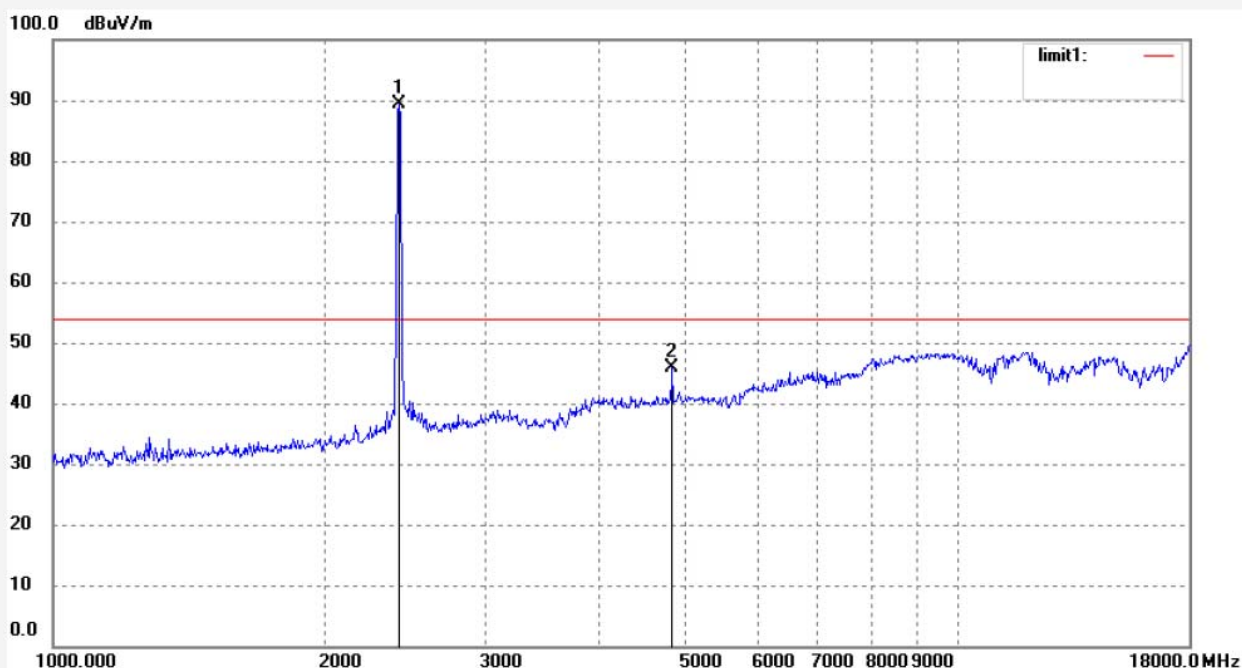


| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2461.913       | 89.34               | -7.36          | 81.98              |                   |                | peak     |                |                  |        |
| 2   | 4923.826       | 45.29               | 0.32           | 45.61              | 74.00             | 28.39          | peak     |                |                  |        |

Job No.: STAR2015 #1354  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 1(802.11n20)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Horizontal  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 18:20:10  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895

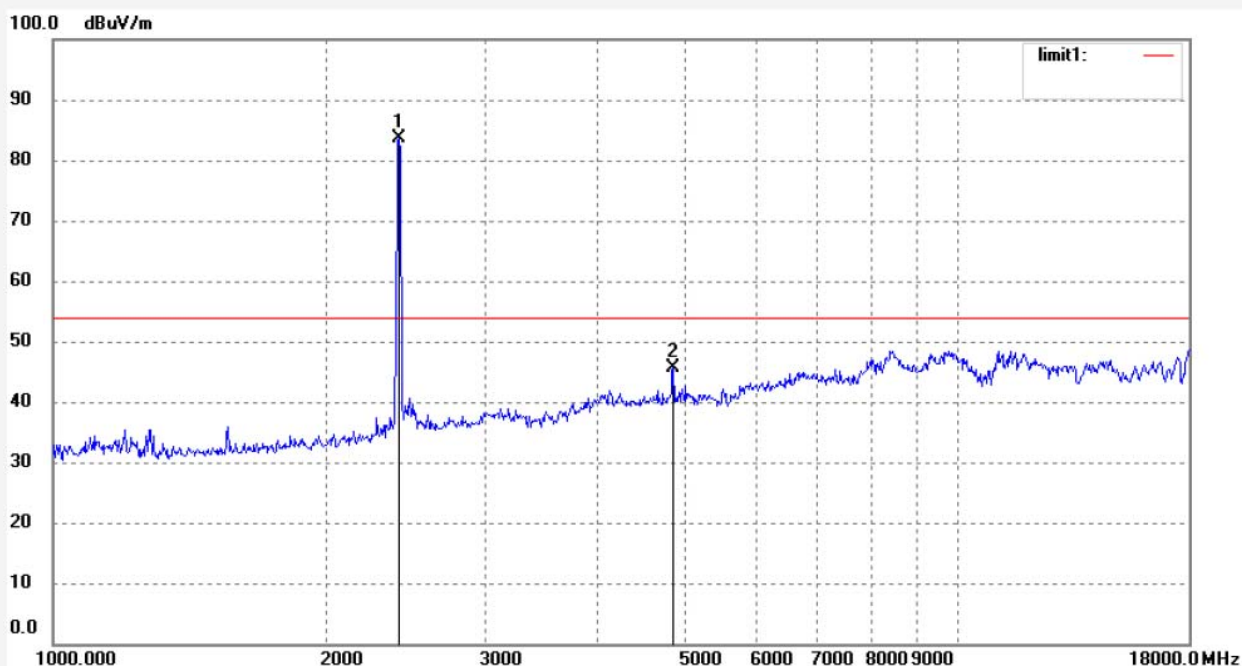


| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2411.672    | 96.82            | -7.42       | 89.40           |                |             | peak     |             |               |        |
| 2   | 4824.344    | 46.13            | -0.14       | 45.99           | 74.00          | 28.01       | peak     |             |               |        |

Job No.: STAR2015 #1353  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 1(802.11n20)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Vertical  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 18:19:26  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2411.703    | 91.12            | -7.44       | 83.68           |                |             | peak     |             |               |        |
| 2   | 4823.406    | 45.57            | -0.06       | 45.51           | 74.00          | 28.49       | peak     |             |               |        |



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Tel:+86-0755-26503290

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Job No.: STAR2015 #1355

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: WiFi module

Mode: TX Channel 6(802.11n20)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

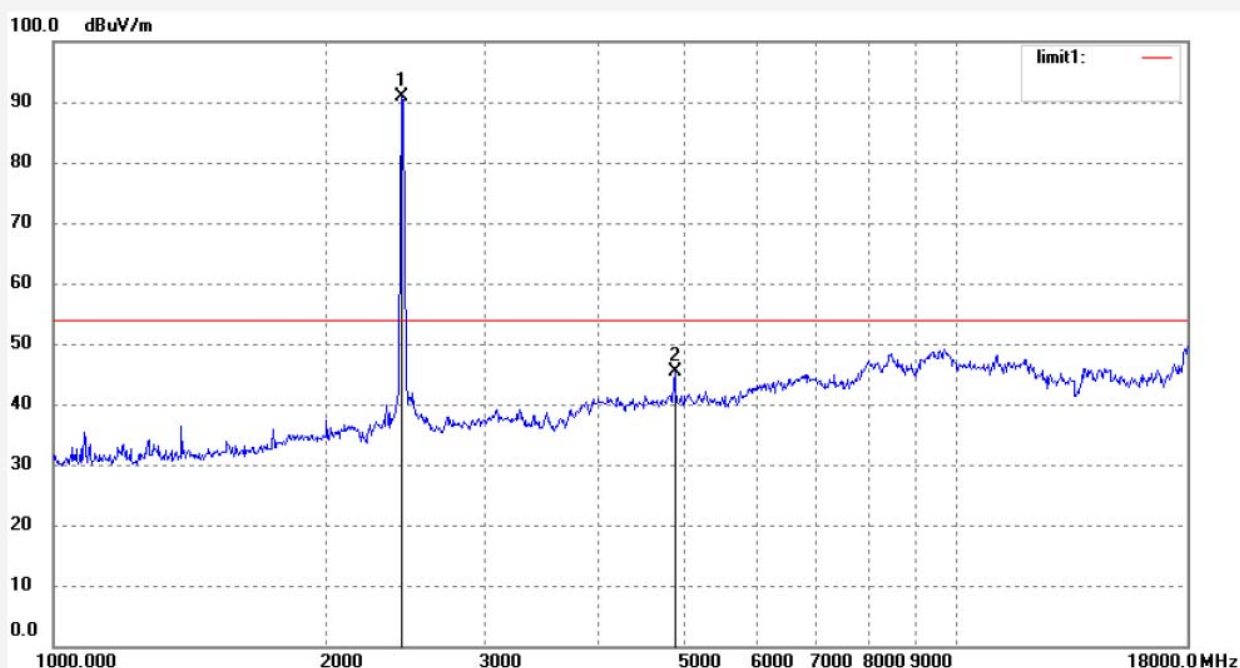
Date: 2016/06/25

Time: 18:21:37

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2436.671    | 98.27            | -7.39       | 90.88           |                |             | peak     |             |               |        |
| 2   | 4873.342    | 45.25            | 0.09        | 45.34           | 74.00          | 28.66       | peak     |             |               |        |



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Site: 2# Chamber

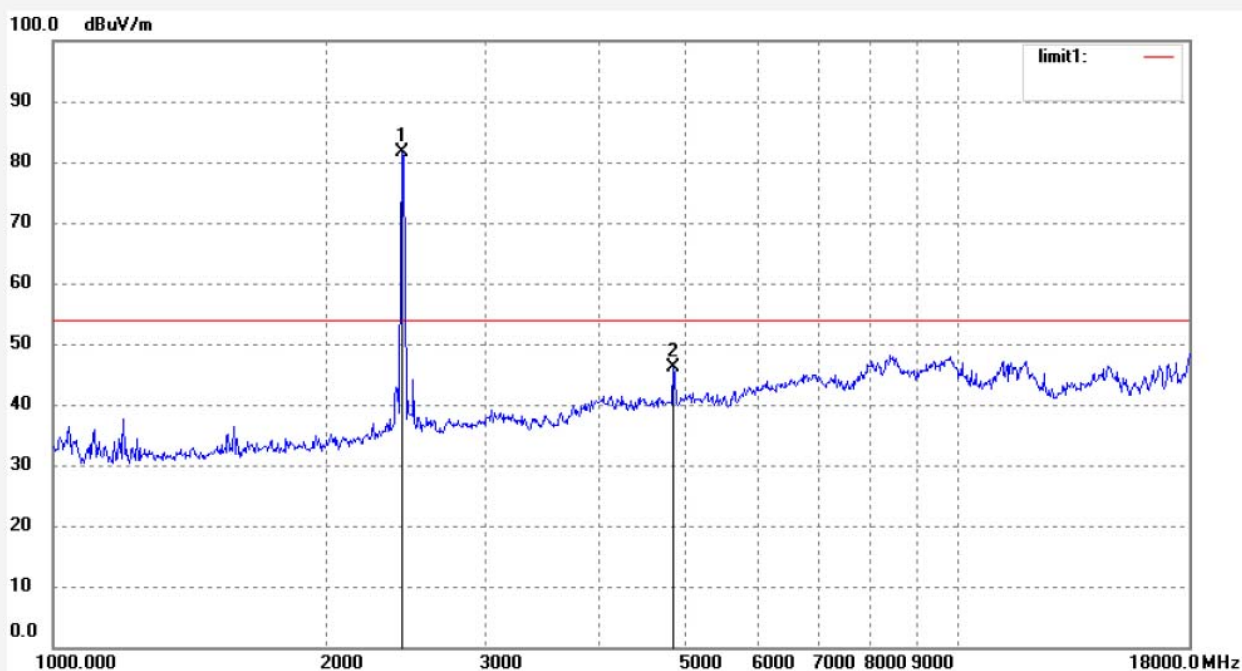
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1356  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: WiFi module  
Mode: TX Channel 6(802.11n20)  
Model: WPC0GR2231  
Manufacturer: Prima

Polarization: Vertical  
Power Source: DC 12V  
Date: 2016/06/25  
Time: 18:23:12  
Engineer Signature:  
Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2436.671    | 88.95            | -7.39       | 81.56           |                |             | peak     |             |               |        |
| 2   | 4873.342    | 46.22            | -0.06       | 46.16           | 74.00          | 27.84       | peak     |             |               |        |



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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1358

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: WiFi module

Mode: TX Channel 11(802.11n20)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

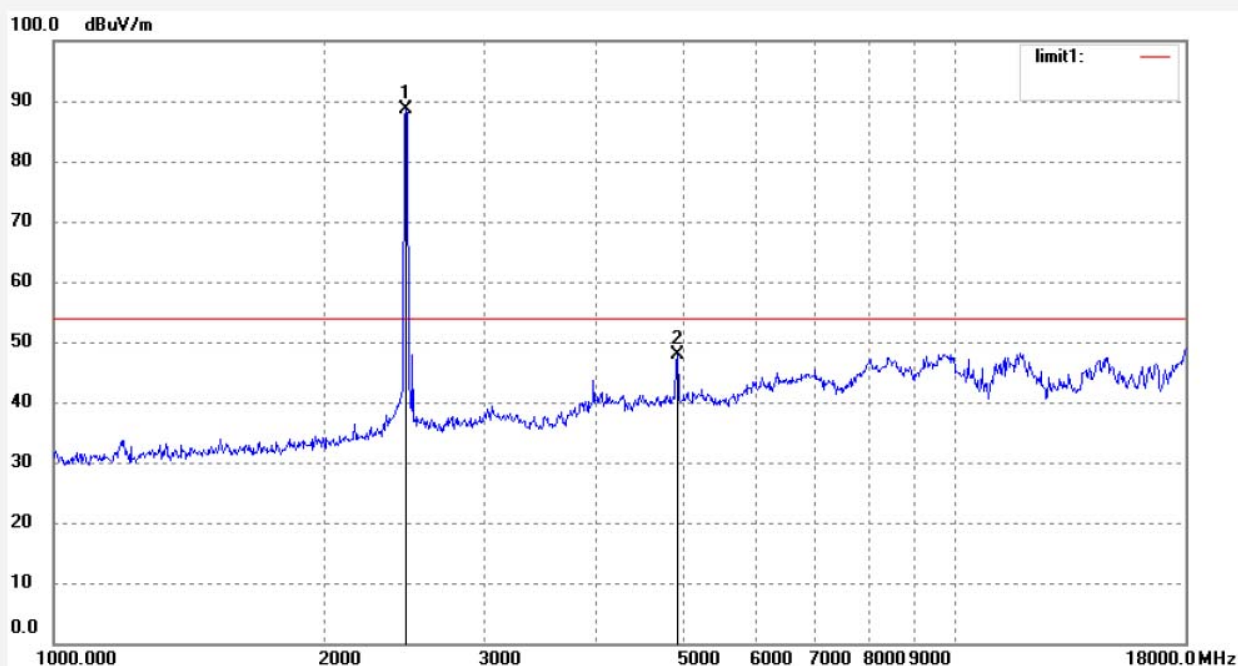
Date: 2016/06/25

Time: 18:25:23

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2461.913    | 96.08            | -7.34       | 88.74           |                |             | peak     |             |               |        |
| 2   | 4923.826    | 47.49            | 0.32        | 47.81           | 74.00          | 26.19       | peak     |             |               |        |



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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1357

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: WiFi module

Mode: TX Channel 11(802.11n20)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

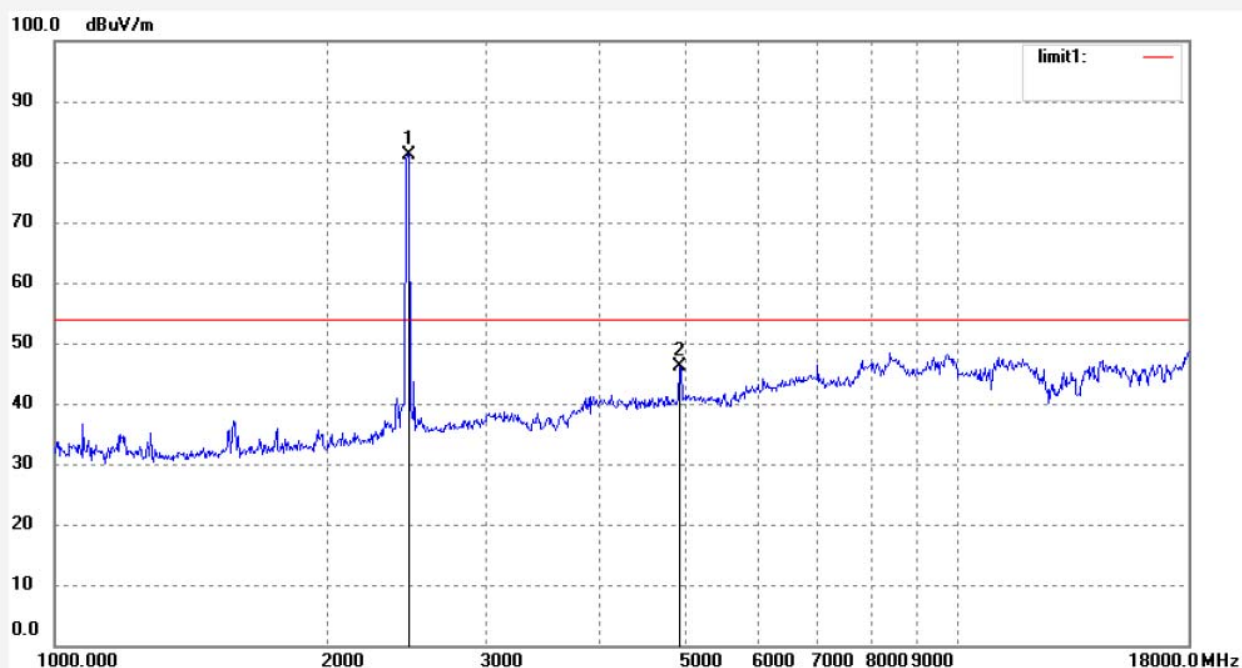
Date: 2016/06/25

Time: 18:24:31

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2462.024    | 88.58            | -7.35       | 81.23           |                |             | peak     |             |               |        |
| 2   | 4924.048    | 45.83            | 0.32        | 46.15           | 74.00          | 27.85       | peak     |             |               |        |

Job No.: STAR2015 #1359

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: WiFi module

Mode: TX Channel 3(802.11n)40MHz

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

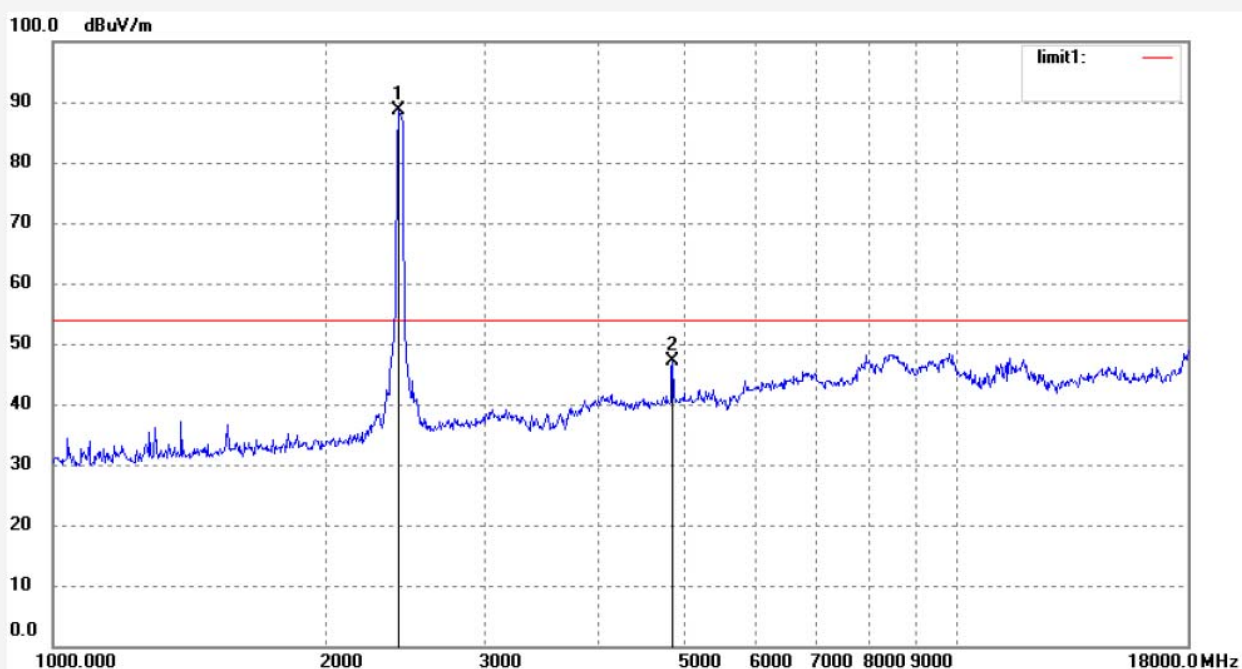
Date: 2016/06/25

Time: 18:27:49

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20160895



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2421.672       | 96.09               | -7.42          | 88.67              |                   |                | peak     |                |                  |        |
| 2   | 4843.344       | 47.26               | -0.06          | 47.20              | 74.00             | 26.80          | peak     |                |                  |        |