FCC TEST REPORT

for

Shenzhen Toopo Electronic Co.,Ltd

Wireless Module

Model Number: YZ9600

Prepared for: Shenzhen Toopo Electronic Co.,Ltd

Address : Baigong'ao Industrial Zone, Xikeng New Village, Guan Lan Town,

Bao'an District, Shenzhen City, Guangdong Province, China

Prepared By: NS Technology Co., Ltd.

Address : Chenwu Industrial Zone, Houjie Town, Dongguan City,

Guangdong, China

Tel: +86-769-85935656 Fax: +86-769-85991080

Report Number: NSE-F10115464

Date of Test : Nov. 9~ Nov. 12, 2010

Date of Report : Nov. 15, 2010

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NS Technology Co., Ltd.

Applicant: Shenzhen Toopo Electronic Co.,Ltd

Address: Baigong'ao Industrial Zone, Xikeng New Village, Guan Lan Town,

Bao'an District, Shenzhen City, Guangdong Province, China

Manufacturer: Shenzhen Toopo Electronic Co.,Ltd

Address: Baigong'ao Industrial Zone, Xikeng New Village, Guan Lan Town,

Bao'an District, Shenzhen City, Guangdong Province, China

E.U.T: Wireless Module

Model Number: YZ9600

Trade Name: TOOPO Operating Frequency: 2403MHz~2479MHz

Date of Receipt: Nov. 9, 2010 **Date of Test:** Nov. 9,~ Nov. 12, 2010

Test Specification: FCC Part 15 Subpart C: July. 10, 2008

ANSI C63.4:2003

Test Result: The equipment under test was found to be compliance with the requirements of

the standards applied.

Issue Date: Nov. 15,2010

Tested by: Reviewed by: Approved by:

Jade tall rang Com

Jade/Engineer Jade Yang / Supervisor Chris Du / Manager

Other Aspects:

None.

Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested

This test report is based on a single evaluation of one sample of above mentioned products, It is not permitted to be duplicated in extracts without written approval of NS Technology Co., Ltd.

1. GENERAL PRODUCT INFORMATION

1.1. Product Function

Details please refer to Technical Construction Form and User Manual.

1.2. Description of Device (EUT)

E.U.T. : Wireless Module

Model No. : YZ9600

Operating Frequency : 2403~2479MHz
Number of Channels : 77 channels
Type of Modulation : GFSK
Antenna Type : Integral

System Input Voltage : DC 5V from PC input AC 120V/60Hz

Temperature Range(Operating) : $0 \sim +40^{\circ}$ C

1.3. Independent Operation Modes

The basic operation modes are:

1.4.1. CH1 TX 2403MHz ANT1

1.4.2. CH38 TX 2440MHz ANT1

1.4.3. CH77 TX 2479MHz ANT1

1.4.4. CH1 TX 2403MHz ANT2

1.4.5. CH38 TX 2440MHz ANT2

1.4.6. CH77 TX 2479MHz ANT2

1.4. Test Supporting System

1.4.1. PC

Model Number : 5P2PM2X Serial Number : 12400120329

Manufacturer : Dell

Adapter : M/N:DA90PE1-00

I/P:AC 100~240V 1.5A O/P: DC 19.5V 4.62A

AC Line: Unshielded, Detachable, 1.0m DC Line: Unshielded, Detachable, 1.5m

1.4.2. Earphone

Model Number : TP-801 Manufacturer : TOOPO

USB Cable : Unshielded, Detachable, 1.5m

2. TEST SITES

2.1. Test Facilities

EMC Lab : Accredited by TUV Rheinland, Germany

Date of registration: July 28, 2003

Accredited by CNAS, China Registration No.: L1744

Date of registration: November 25, 2004

Accredited by Intertek ETL SEMKO

Registration No.: TMP-013

Date of registration: June 11, 2005

Accredited by TUV/PS, Hong Kong Date of registration: December 1, 2005

Accredited by ATCB, USA

Date of registration: August 3, 2006

Accredited by VCCI, Japan

Member No.:2115

Registration No.: R-2527, R-3012 & C-2770

Date of registration: March 23, 2007

Accredited by FCC, USA Registration No.: 502831

Date of registration: February 9, 2009

Accredited by Industry Canada

Registration No.: 5936A

Date of registration: March 4, 2009

Accredited by American Association for Laboratory

Accreditation (A2LA), USA Certificate No.: 2951.01

Date of registration: March 31, 2010

Name of Firm : NS Technology Co., Ltd.

Site Location : Chenwu Industrial Zone, Houjie Town, Dongguan City,

Guangdong, China

2.2. List of Test and Measurement Instruments

2.2.1. For conducted emission at the mains terminals test

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|--------------------------|---------------|--------------|------------|-----------|-----------|
| EMI Test Receiver | Rohde&Schwarz | ESCS30 | 100340 | May 30,10 | May 30,11 |
| Artificial Mains Network | Rohde&Schwarz | ESH2-Z5 | 100071 | May 30,10 | May 30,11 |
| Artificial Mains Network | Kyoritsu | KNW-407 8-15 | 8-1579-1 | May 30,10 | May 30 11 |
| (AUX) | TKy OTIGU | | 0 1377 1 | | Way 50,11 |
| RF Cable | FUJIKURA | 3D-2W | 844 Cable | May 2,10 | May 2,11 |

2.2.2. For radiated emission test (30MHz-1GHz)

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|-------------------|---------------|-------------|-----------------|-----------|-----------|
| Spectrum Analyzer | Agilent | E7405A | MY45118807 | May 30,10 | May 30,11 |
| EMI Test Receiver | Rohde&Schwarz | ESVS10 | 841431/004 | May 30,10 | May 30,11 |
| Bilog Antenna | Schwarzbeck | VULB 9168 | 9168-160 | Apr.27,10 | Apr.27,11 |
| 10m Semi-anechoic | ETS-LINDGREN | 21.4m*12.1m | NSEMC006 | May 2,10 | May 2,11 |
| Chamber | E13-LINDUKEN | *8.8m | NSENICOOO | Way 2,10 | Wiay 2,11 |
| RF Cable | IMRO | IMRO-400 | 10m Cable 1#10m | May 2,10 | May 2,11 |
| RF Cable | IMRO | IMRO-400 | 10m Cable 2#3m | May 2,10 | May 2,11 |
| Signal Amplifier | Agilent | 8447D | 2944A11174 | May 2,10 | May 2,11 |

2.2.3. For radiated emission test(Above 1GHz)

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|-------------------|--------------|---------------|----------------|------------|------------|
| Spectrum Analyzer | Agilent | E7405A | MY45118807 | May 30,10 | May 30,11 |
| Horn Antenna | EMCO | 3117 | 00062558 | Jan. 19,09 | Jan. 19,11 |
| Signal Amplifier | BURGEON | PEC-38-30M18G | NSEMC001 | May 31,09 | May 31,11 |
| | | -12-SFF | | | |
| RF Cable | DRAKA | M06/25-RG102 | 966Cable 3#24G | May 2,10 | May 2,11 |

2.2.4. For Band edge compliance and 20dB bandwidth test

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|-------------------|--------------|---------------|----------------|------------|------------|
| Spectrum Analyzer | Agilent | E7405A | MY45118807 | May 30,10 | May 30,11 |
| Horn Antenna | EMCO | 3117 | 00062558 | Jan. 19,09 | Jan. 19,11 |
| Signal Amplifier | BURGEON | PEC-38-30M18G | NSEMC001 | May 31,09 | May 31,11 |
| | | -12-SFF | | | |
| RF Cable | DRAKA | M06/25-RG102 | 966Cable 3#24G | May 2,10 | May 2,11 |

FCC ID: YY5YZ9600

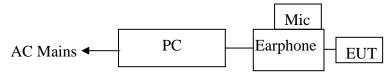
3. TEST SET-UP AND OPERATION MODES

3.1. Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its highest possible radiated level. The test modes were adapted accordingly in reference to the Operating Instructions.

3.2. Block Diagram of Test Set-up

System Diagram of Connections Between EUT and Simulators



(EUT: Wireless Module)

3.3. Test Operation Mode and Test Software

Refer to clause 1.4

3.4. Special Accessories and Auxiliary Equipment None.

3.5. Countermeasures to Achieve EMC Compliance None.

4. TEST SUMMARY

Test items and result lists

| No. | Item | Standard | Results |
|-----|---------------------------|---|---------|
| 1 | Conduction Emission Test | FCC Part15C: 15.209 ANSI C63.4-2003 | PASS |
| 2 | Radiated Emission Test | Radiated Emission Test FCC Part15C: 15.249 ANSI C63.4-2003 | |
| 3 | Band Edge Compliance Test | FCC Part15: 15.249 | PASS |
| 4 | 20dB Bandwidth Test | FCC Part 15: 15.215 | PASS |

Note: N/A is an abbreviation for Not Applicable. In the test, ,the EUT was outside of the headphone.

5. EMISSION TEST RESULTS

5.1. Conducted Emission at The Mains Terminals Test

RESULT : **Pass**

Test procedure : FCC Part 15 Subpart C

Frequency range : 0.15∼30MHz

Test Site : Shielded Room

Limits : FCC Part 15 Subpart C

Test Setup

Date of test : Nov. 10, 2010 Model No. : Wireless Module

Input Voltage : DC 5V from PC input AC 120V/60Hz

Operation Mode : TX Mode

The EUT was put on a wooden table which was 0.8metre high above the ground and connected to the AC mains through a Artificial Mains Network (A.M.N). The mains lead in excess of 1 m separating the EUT from the AMN was folded at the cable centre into a bundle no longer than 0.4 m.

The EUT was kept 0.4m from any other earthed conducting surface. Both sides of AC line were checked to find out the maximum conducted emission levels according to the test procedure during conducted emission test.

The bandwidth of the test receiver (R&S ESCS30) was set at 9 kHz.

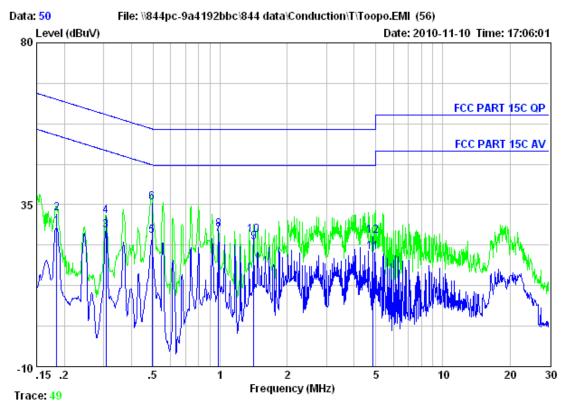
The frequency range from 150 kHz to 30 MHz was investigated.

The test data of the worst case condition(s) was reported on the following page.

Note: Test uncertainty: $\pm 2.54 dB$ at a level of confidence of 95%.:

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Tel:+86-769-85935656 Fax:+86-769-85991080



Test Site : 844 Shielded Room

: FCC PART 15C QP LISN Phase:NEUTRAL Limit

EUT : Wireless Module

: DC 5V From PC Input AC 120V/60Hz Power

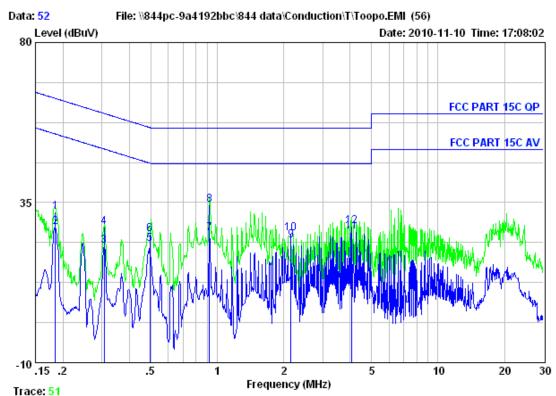
M/N : YZ9600 Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Press:101.51kPa Test Mode : TX Mode

| | | Emission | | | |
|----|-------|----------|--------|--------|---------|
| | Freq. | Level | Limits | Margin | Remark |
| | (MHz) | (dBuV) | (dBuV) | (dB) | |
| | | | | | |
| 1 | 0.18 | 28.98 | 54.28 | 25.30 | Average |
| 2 | 0.18 | 32.50 | 64.28 | 31.78 | QP |
| 3 | 0.31 | 27.80 | 50.06 | 22.26 | Average |
| 4 | 0.31 | 31.90 | 60.06 | 28.16 | QP |
| 5 | 0.49 | 26.24 | 46.10 | 19.86 | Average |
| 6 | 0.49 | 35.60 | 56.10 | 20.50 | QP |
| 7 | 0.98 | 26.85 | 46.00 | 19.15 | Average |
| 8 | 0.98 | 28.20 | 56.00 | 27.80 | QP |
| 9 | 1.42 | 24.71 | 46.00 | 21.29 | Average |
| 10 | 1.42 | 26.60 | 56.00 | 29.40 | QP |
| 11 | 4.85 | 21.94 | 56.00 | 34.06 | Peak |
| 12 | 4.85 | 26.30 | 56.00 | 29.70 | QP |

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Test Site : 844 Shielded Room

Limit : FCC PART 15C QP LISN Phase:LINE

EUT : Wireless Module

Power : DC 5V From PC Input AC 120V/60Hz

M/N : YZ9600 Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Press:101.51kPa Test Mode : TX Mode

| | Freq. | Emission Level (dBuV) | Limits (dBuV) | Margin (dB) | Remark |
|----|-------|-----------------------------|------------------|----------------|---------|
| 1 | 0.18 | 32.40 | 64.28 | 31.88 | QP |
| 2 | 0.18 | 27.99 | 54.28 | 26.29 | Average |
| 3 | 0.31 | 22.81 | 50.06 | 27.25 | Average |
| 4 | 0.31 | 28.20 | 60.06 | 31.86 | QP |
| 5 | 0.49 | 23.25 | 46.10 | 22.85 | Average |
| 6 | 0.49 | 26.10 | 56.10 | 30.00 | QP |
| 7 | 0.92 | 26.27 | 46.00 | 19.73 | Average |
| 8 | 0.92 | 34.40 | 56.00 | 21.60 | QP |
| 9 | 2.16 | 24.41 | 46.00 | 21.59 | Average |
| 10 | 2.16 | 26.30 | 56.00 | 29.70 | QP |
| 11 | 4.07 | 26.83 | 46.00 | 19.17 | Average |
| 12 | 4.07 | 28.40 | 56.00 | 27.60 | QP |

FCC ID: YY5YZ9600

5.2. Radiated Emission

5.2.1. Test limits

- 1) FCC part 15C section 15.209
- 2) FCC part 15C section 15.249(a)

5.2.2. Test procedure

The EUT was placed on a turn table which was 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna which was mounted on a antenna tower. At the frequency band of 30MHz to 1GHz, The measuring antenna moved up and down to find out the maximum emission level. It moved from 1 to 4 m for horizontal and vertical polarizations. The broadband antenna (calibrated by dipole antenna) was used as a receiving antenna. At the frequency band of 1GHz to 10GHz, The measuring antenna moved from 1 to 4 m for horizontal and vertical polarization. The horn antenna was used as a receiving antenna.

The resolution bandwidth and video bandwidth of the test receiver was 120 kHz and 300kHz for Quasi-peak detection at frequency below 1GHz.

The resolution bandwidth and video bandwidth of the test receiver was 1MHz and 1MHz for Peak detection at frequency above 1GHz.

For Average measurement at frequency above 1GHz. The resolution bandwidth of the test receiver was 1MHz; due to the shortest pulse width T is 116us, according the video bandwidth should not smaller than 1/T, so the video bandwidth is 10Hz.

In 18GHz to 25GHz, The EUT was checked by Horn ANT. But the test result is background.

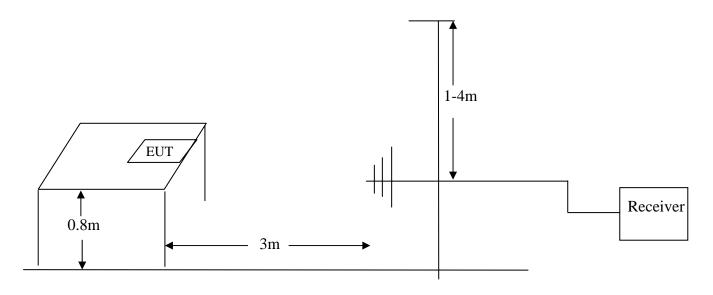
The EUT position(X. Y. Z) were checked and worse case was happened in Y position. So Y position was chose for find measurement.

The EUT was tested in Chamber Site.

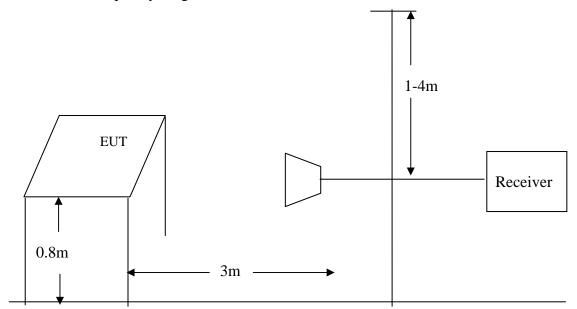
5.2.3.Test Setup Diagram

5.1.3.1. Frequency range: 30MHz-1000MHz

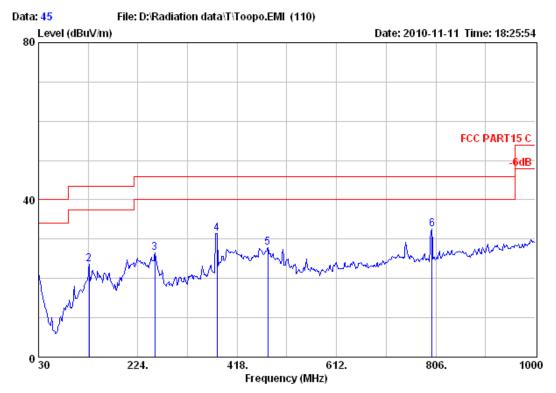




5.1.3.2. Frequency range: 1 GHz -25GHz



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Test Site : 10m Chamber Limit : FCC PART15 C

Dis. / Ant. : 3m 25758-3 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

M/N : YZ9600

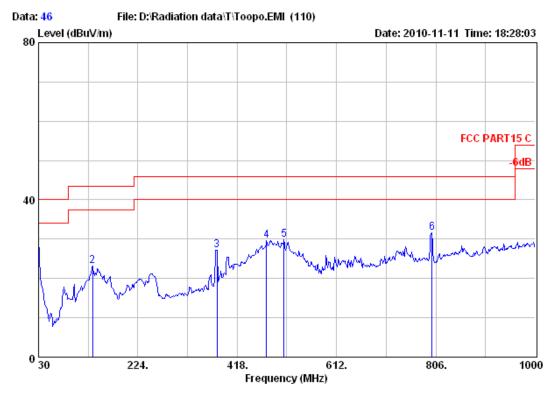
Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | | Freq. | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Reading (dBuV) | Ant. Factor (dB/m) | Cable Loss (dB) | Remark |
|---|---|--------|-------------------------------|--------------------|----------------|-------------------|--------------------------|-----------------------|--------|
| _ | 1 | 30.00 | 22.20 | 40.00 | 17.80 | 0.62 | 21.00 | 0.58 | QP |
| | 2 | 128.94 | 23.57 | 43.50 | 19.93 | 10.41 | 11.96 | 1.20 | QP |
| | 3 | 256.98 | 26.58 | 46.00 | 19.42 | 12.08 | 12.78 | 1.72 | QP |
| | 4 | 378.23 | 31.34 | 46.00 | 14.66 | 13.36 | 15.88 | 2.10 | QP |
| | 5 | 478.14 | 27.81 | 46.00 | 18.19 | 7.35 | 18.08 | 2.38 | QP |
| | 6 | 798.24 | 32.57 | 46.00 | 13.43 | 7.26 | 22.14 | 3.17 | OP |

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Test Site : 10m Chamber Limit : FCC PART15 C

Dis. / Ant. : 3m 25758-3 Ant. Pol.: VERTICAL

EUT : Wireless Module

M/N : YZ9600

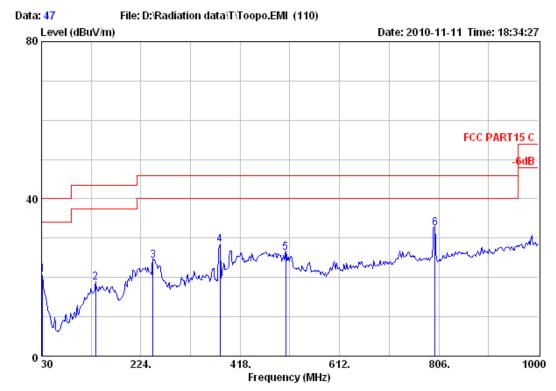
Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | Freq. | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Reading (dBuV) | Ant. Factor (dB/m) | Cable Loss (dB) | Remark |
|---|--------|-------------------------------|--------------------|----------------|-------------------|--------------------------|-----------------------|--------|
| 1 | 30.00 | 29.33 | 40.00 | 10.67 | 7.75 | 21.00 | 0.58 | QP |
| 2 | 135.73 | 23.25 | 43.50 | 20.25 | 9.89 | 12.12 | 1.24 | QP |
| 3 | 378.23 | 27.28 | 46.00 | 18.72 | 9.30 | 15.88 | 2.10 | QP |
| 4 | 475.23 | 29.62 | 46.00 | 16.38 | 9.20 | 18.05 | 2.37 | QP |
| 5 | 509.18 | 29.83 | 46.00 | 16.17 | 8.74 | 18.60 | 2.49 | QP |
| 6 | 798.24 | 31.56 | 46.00 | 14.44 | 6.25 | 22.14 | 3.17 | OP |

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Test Site : 10m Chamber Limit : FCC PART15 C

Dis. / Ant. : 3m 25758-3 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

M/N : YZ9600

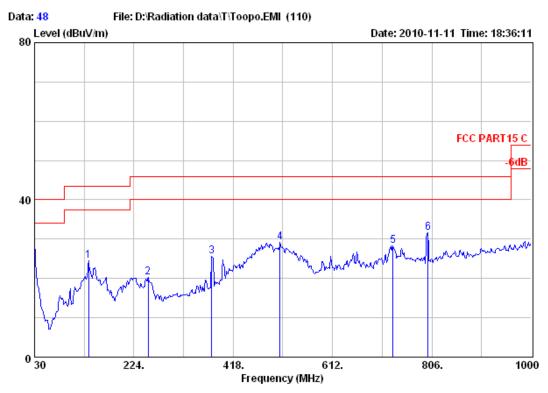
Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | Freq. | Emission Level (dBuV/m) | Limits (dBuV/m) | _ | Reading (dBuV) | Ant. Factor (dB/m) | Cable Loss (dB) | Remark |
|---|--------|-------------------------------|--------------------|-------|-------------------|--------------------------|-----------------------|--------|
| 1 | 31.94 | 20.73 | 40.00 | 19.27 | 0.34 | 19.80 | 0.59 | QP |
| 2 | 135.73 | 18.68 | 43.50 | 24.82 | 5.32 | 12.12 | 1.24 | QP |
| 3 | 247.28 | 24.35 | 46.00 | 21.65 | 10.63 | 12.02 | 1.70 | QP |
| 4 | 378.23 | 28.39 | 46.00 | 17.61 | 10.41 | 15.88 | 2.10 | QP |
| 5 | 507.24 | 26.37 | 46.00 | 19.63 | 5.31 | 18.58 | 2.48 | QP |
| 6 | 798.24 | 32.58 | 46.00 | 13.42 | 7.27 | 22.14 | 3.17 | QP |

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Test Site : 10m Chamber Limit : FCC PART15 C

Dis. / Ant. : 3m 25758-3 Ant. Pol.: VERTICAL

EUT : Wireless Module

M/N : YZ9600

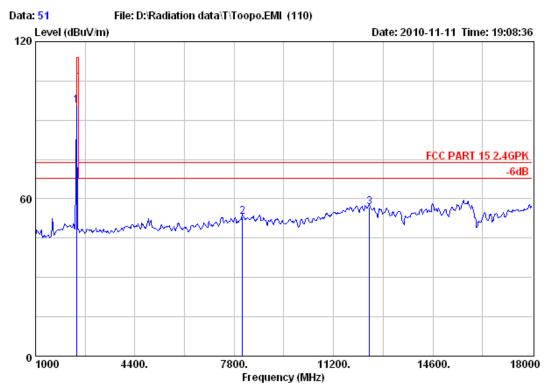
Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | | Freq. | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Reading (dBuV) | Ant. Factor (dB/m) | Cable Loss (dB) | Remark |
|---|---|--------|-------------------------------|--------------------|----------------|-------------------|--------------------------|-----------------------|--------|
| _ | | | | | | | | | |
| | 1 | 135.73 | 24.47 | 43.50 | 19.03 | 11.11 | 12.12 | 1.24 | QP |
| | 2 | 252.13 | 20.17 | 46.00 | 25.83 | 5.86 | 12.60 | 1.71 | QP |
| | 3 | 376.29 | 25.61 | 46.00 | 20.39 | 7.76 | 15.76 | 2.09 | QP |
| | 4 | 509.18 | 29.20 | 46.00 | 16.80 | 8.11 | 18.60 | 2.49 | QP |
| | 5 | 730.34 | 28.39 | 46.00 | 17.61 | 2.63 | 22.80 | 2.96 | QP |
| | 6 | 798.24 | 31.68 | 46.00 | 14.32 | 6.37 | 22.14 | 3.17 | OP |

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Test Site : 10m Chamber

: FCC PART 15 2.4GPK Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

M/N : YZ9600

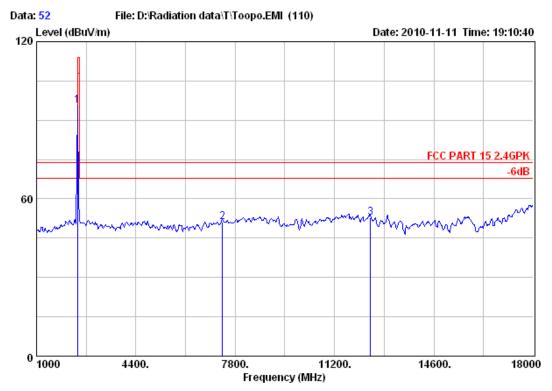
Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

Comment : Temp:25.5 0
Test Mode : TX CH1 2403MHz ANT1 : Temp:25.3'C Humi:55% Perss:101.51kPa

| _ | Freq. (MHz) | Emission Level (dBuV/m) | Limits (dBuV/m) | _ | _ | Factor | | Remark |
|---|----------------|-------------------------------|--------------------|-------|-------|--------|------|--------|
| | 1 2403.00 | 95.61 | 114.00 | 18.39 | 61.88 | 31.50 | 2.23 | Peak |
| | 2 8089.00 | 53.15 | 74.00 | 20.85 | 13.59 | 36.98 | 2.58 | Peak |
| | 312424.00 | 56.93 | 74.00 | 17.07 | 14.11 | 39.97 | 2.85 | Peak |

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Test Site : 10m Chamber

: FCC PART 15 2.4GPK Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

: YZ9600 M/N

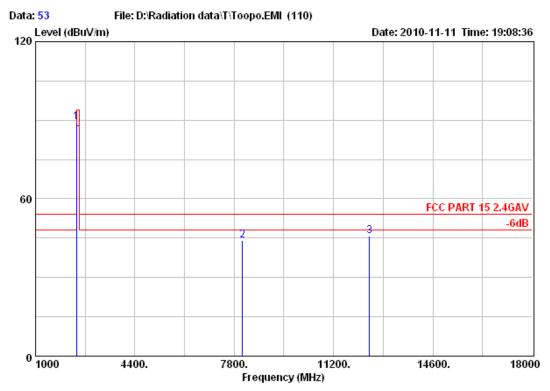
Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

Comment : Temp: 25.3 C
Test Mode : TX CH1 2403MHz ANT1 : Temp:25.3'C Humi:55% Perss:101.51kPa

| _ | Freq. (MHz) | Emission Level (dBuV/m) | Limits (dBuV/m) | _ | _ | Factor | | Remark |
|---|----------------|-------------------------------|--------------------|-------|-------|--------|------|--------|
| | 1 2403.00 | 95.73 | 114.00 | 18.27 | 62.00 | 31.50 | 2.23 | Peak |
| | 2 7358.00 | 51.03 | 74.00 | 22.97 | 11.67 | 36.83 | 2.53 | Peak |
| | 312424.00 | 52.91 | 74.00 | 21.09 | 10.09 | 39.97 | 2.85 | Peak |

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Test Site : 10m Chamber

: FCC PART 15 2.4GAV Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

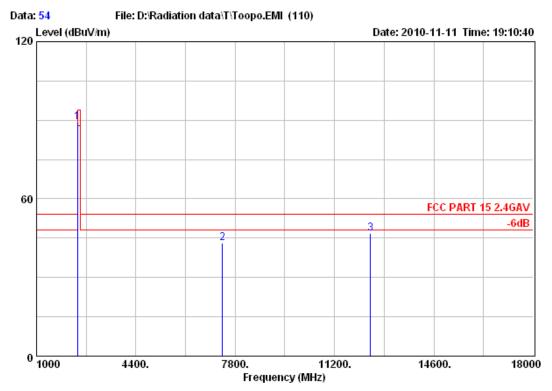
: YZ9600 M/N

: DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

| | Emission | | | | Ant. | Cable | |
|----------------|-------------------|--------------------|------|-------------------|-------|--------------|---------|
| Freq. (MHz) | Level (dBuV/m) | Limits (dBuV/m) | _ | Reading (dBuV) | | Loss (dB) | Remark |
| 1 2403.00 | 89.26 | 94.00 | 4.74 | 55.53 | 31.50 | 2.23 | Average |
| 2 8089.00 | 44.15 | 54.00 | 9.85 | 4.59 | 36.98 | 2.58 | Average |
| 312424.00 | 45.93 | 54.00 | 8.07 | 3.11 | 39.97 | 2.85 | lverage |

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Test Site : 10m Chamber

: FCC PART 15 2.4GAV Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

: YZ9600 M/N

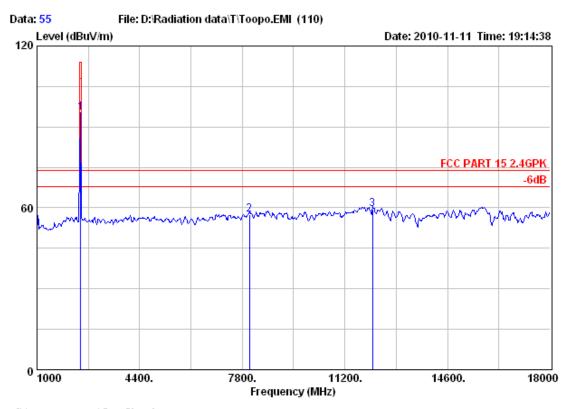
: DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

| Emission Ant. Cable Level Limits Margin Reading Factor Loss Remark (dBuV/m) (dBuV/m) (dB) (dBuV) (dB/m) (dB) | ١. | Level | Freq. (MHz) | |
|--|----|-------|------------------------|---|
| 89.14 94.00 4.86 55.41 31.50 2.23 Average | • | 89.14 | 1 2403.00 | 1 |
| 43.03 54.00 10.97 3.67 36.83 2.53 Average | | | 2 7358.00 312424 OO | |

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Test Site : 10m Chamber

Limit : FCC PART 15 2.4GPK

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

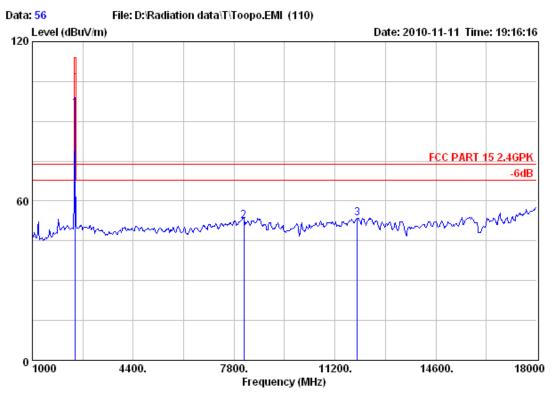
Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | | Emission | | | | Ant. | Cable | |
|---|-----------|----------|----------|--------|---------|--------|-------|--------|
| | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| - | | | | | | | | |
| | 1 2440.00 | 95.42 | 114.00 | 18.58 | 61.65 | 31.54 | 2.23 | Peak |
| | 2 8038.00 | 57.52 | 74.00 | 16.48 | 17.95 | 36.99 | 2.58 | Peak |
| | 312118.00 | 59.37 | 74.00 | 14.63 | 16.69 | 39.85 | 2.83 | Peak |

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Test Site : 10m Chamber

Limit : FCC PART 15 2.4GPK

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

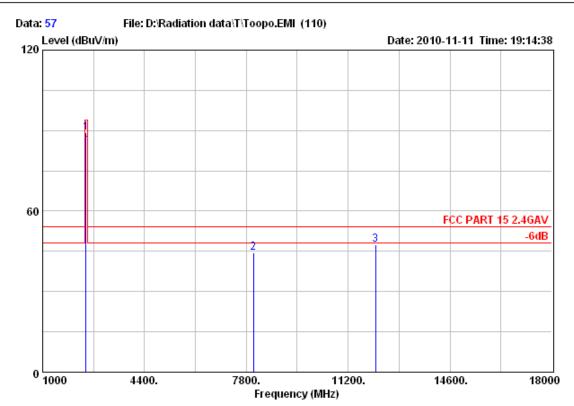
Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | | Emission | | | | Ant. | Cable | |
|---|-----------|----------|----------|--------|---------|--------|-------|--------|
| | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| - | | | | | | | | |
| | 1 2440.00 | 94.97 | 114.00 | 19.03 | 61.20 | 31.54 | 2.23 | Peak |
| | 2 8123.00 | 52.46 | 74.00 | 21.54 | 12.91 | 36.97 | 2.58 | Peak |
| | 311948.00 | 53.55 | 74.00 | 20.45 | 11.01 | 39.72 | 2.82 | Peak |

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Test Site : 10m Chamber

Limit : FCC PART 15 2.4GAV

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

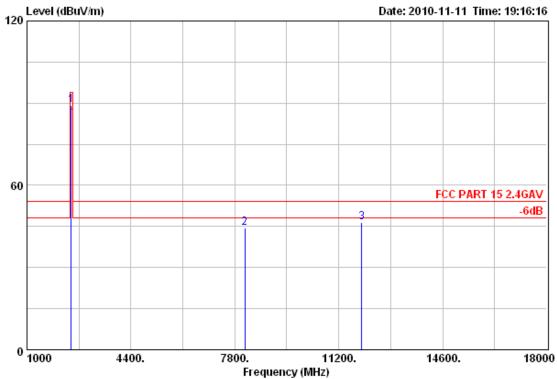
Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | Emission | | | | Ant. | Cable | |
|-----------|----------|----------|--------|---------|--------|-------|---------|
| Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| | | | | | | | |
| 1 2440.00 | 89.24 | 94.00 | 4.76 | 55.47 | 31.54 | 2.23 | Average |
| 2 8038.00 | 44.52 | 54.00 | 9.48 | 4.95 | 36.99 | 2.58 | Average |
| 312118.00 | 47.37 | 54.00 | 6.63 | 4.69 | 39.85 | 2.83 | Average |

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Test Site : 10m Chamber

Limit : FCC PART 15 2.4GAV

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

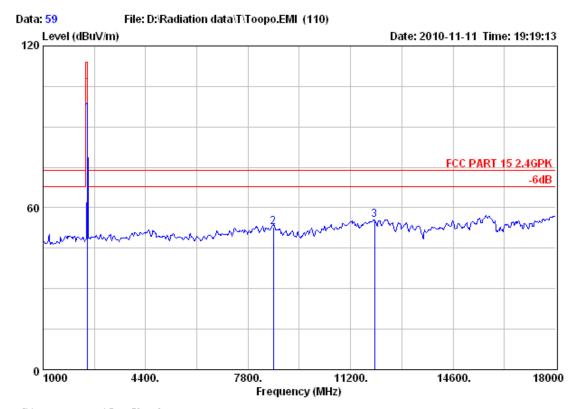
Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| Freq. (MHz) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Reading (dBuV) | Ant. Factor (dB/m) | Cable Loss (dB) | Remark |
|----------------|-------------------------------|--------------------|----------------|-------------------|--------------------------|-----------------------|---------|
| 1 2440.00 | 89.22 | 94.00 | 4.78 | 55.45 | 31.54 | 2.58 | Average |
| 2 8123.00 | 44.46 | 54.00 | 9.54 | 4.91 | 36.97 | | Average |
| 311948.00 | 46.55 | 54.00 | 7.45 | 4.01 | 39.72 | | Average |

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Fax:+86-769-85991080



Test Site : 10m Chamber

Limit : FCC PART 15 2.4GPK

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

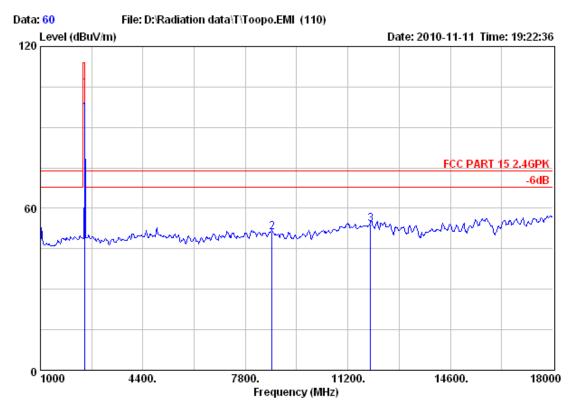
Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

Test Mode : TX CH77 2479MHz ANT1

| | | Emission | | | | Ant. | Cable | |
|---|-----------|----------|----------|--------|---------|--------|-------|--------|
| | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| _ | | | | | | | | |
| | 1 2479.00 | 95.07 | 114.00 | 18.93 | 61.26 | 31.58 | 2.23 | Peak |
| | 2 8633.00 | 52.84 | 74.00 | 21.16 | 13.27 | 36.95 | 2.62 | Peak |
| | 311999.00 | 55.59 | 74.00 | 18.41 | 12.97 | 39.80 | 2.82 | Peak |

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Test Site : 10m Chamber

Limit : FCC PART 15 2.4GPK

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

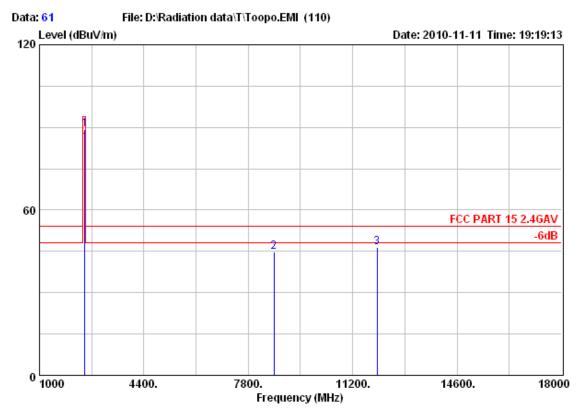
Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

Test Mode : TX CH77 2479MHz ANT1

| | | Emission | | | | Ant. | Cable | |
|---|-----------|----------|----------|--------|---------|--------|-------|--------|
| | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| - | | | | | | | | |
| | 1 2479.00 | 95.10 | 114.00 | 18.90 | 61.29 | 31.58 | 2.23 | Peak |
| | 2 8684.00 | 51.13 | 74.00 | 22.87 | 11.54 | 36.97 | 2.62 | Peak |
| | 311948.00 | 54.13 | 74.00 | 19.87 | 11.59 | 39.72 | 2.82 | Peak |

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Test Site : 10m Chamber

: FCC PART 15 2.4GAV Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

: Wireless Module

M/N : YZ96003

: DC 5V From PC Input AC 120V/60Hz

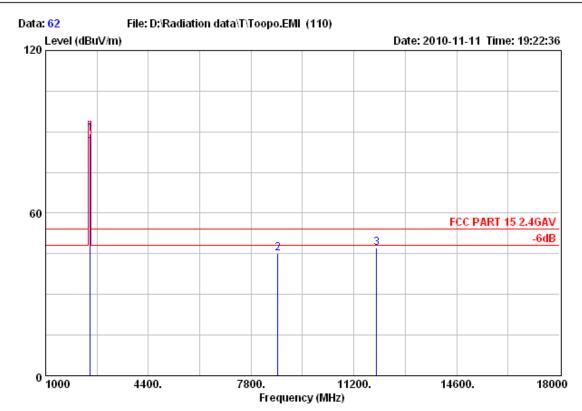
Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa Test Mode : TX CH77 2479MHz ANT1

| | Emission | | | | Ant. | Cable | |
|-----------|----------|----------|--------|---------|--------|-------|---------|
| Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| | | | | | | | |
| 1 2479.00 | 89.11 | 94.00 | 4.89 | 55.30 | 31.58 | 2.23 | Average |
| 2 8633.00 | 44.84 | 54.00 | 9.16 | 5.27 | 36.95 | 2.62 | Average |
| 311999.00 | 46.59 | 54.00 | 7.41 | 3.97 | 39.80 | 2.82 | Average |

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Fax:+86-769-85991080



Test Site : 10m Chamber

Limit : FCC PART 15 2.4GAV

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

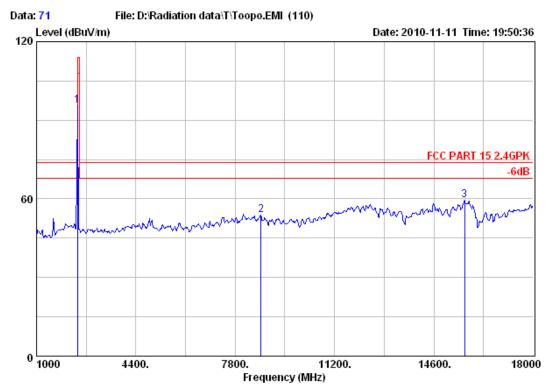
Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

Test Mode : TX CH77 2479MHz ANT1

| | | Emission | | | | Ant. | Cable | |
|---|-----------|----------|----------|--------|---------|--------|-------|---------|
| | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| - | | | | | | | | |
| | 1 2479.00 | 89.21 | 94.00 | 4.79 | 55.40 | 31.58 | 2.23 | Average |
| | 2 8684.00 | 45.13 | 54.00 | 8.87 | 5.54 | 36.97 | 2.62 | Average |
| | 311948.00 | 47.13 | 54.00 | 6.87 | 4.59 | 39.72 | 2.82 | Average |

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Test Site : 10m Chamber

: FCC PART 15 2.4GPK Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

M/N : YZ9600

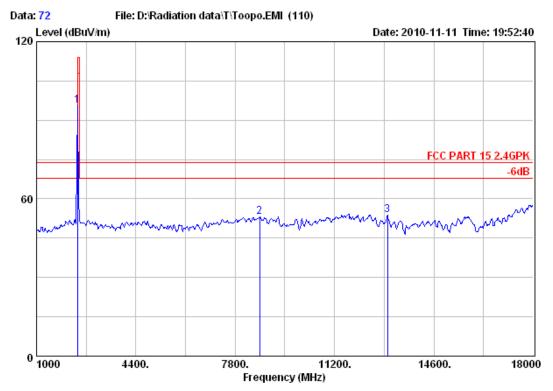
Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

Comment : Temp:20.0 Comment : TX CH1 2403MHz ANT2 : Temp:25.3'C Humi:55% Perss:101.51kPa

| _ | Freq. (MHz) | Emission Level (dBuV/m) | Limits (dBuV/m) | _ | _ | Factor | | Remark |
|---|----------------|-------------------------------|--------------------|-------|-------|--------|------|--------|
| | 1 2403.00 | 95.55 | 114.00 | 18.45 | 61.82 | 31.50 | 2.23 | Peak |
| | 2 8684.00 | 53.74 | 74.00 | 20.26 | 14.15 | 36.97 | 2.62 | Peak |
| | 315654.00 | 59.39 | 74.00 | 14.61 | 14.43 | 41.92 | 3.04 | Peak |

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Test Site : 10m Chamber

: FCC PART 15 2.4GPK Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

M/N : YZ9600

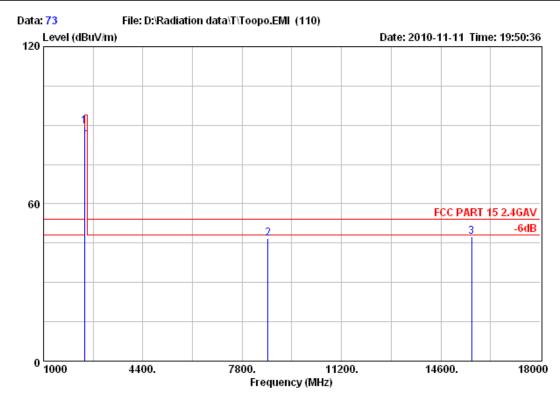
Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

Comment : Temp:20.0 Comment : TX CH1 2403MHz ANT2 : Temp:25.3'C Humi:55% Perss:101.51kPa

| Freq. (MHz) | Emission Level (dBuV/m) | Limits (dBuV/m) | _ | _ | Factor | | Remark |
|----------------|-------------------------------|--------------------|-------|-------|--------|------|--------|
| 1 2403.00 | 95.64 | 114.00 | 18.36 | 61.91 | 31.50 | 2.23 | Peak |
| 2 8633.00 | 53.08 | 74.00 | 20.92 | 13.51 | 36.95 | 2.62 | Peak |
| 313019.00 | 53.67 | 74.00 | 20.33 | 10.49 | 40.30 | 2.88 | Peak |

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Test Site : 10m Chamber

: FCC PART 15 2.4GAV Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

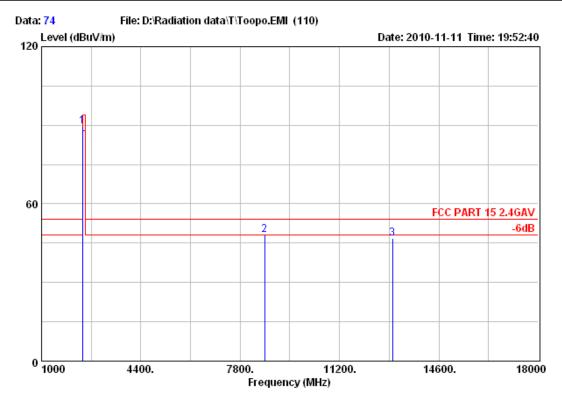
: YZ9600 M/N

: DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

| Freq. (MHz) | Emission Level (dBuV/m) | Limits (dBuV/m) | _ | Reading (dBuV) | Ant. Factor (dB/m) | | Remark |
|----------------|-------------------------------|--------------------|------|-------------------|--------------------------|------|---------|
| 1 2403.00 | 89.55 | 94.00 | 4.45 | 55.82 | 31.50 | 2.23 | Average |
| 2 8684.00 | 46.74 | 54.00 | 7.26 | 7.15 | 36.97 | 2.62 | Average |
| 315654.00 | 47.39 | 54.00 | 6.61 | 2.43 | 41.92 | 3.04 | Average |

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Test Site : 10m Chamber

: FCC PART 15 2.4GAV Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

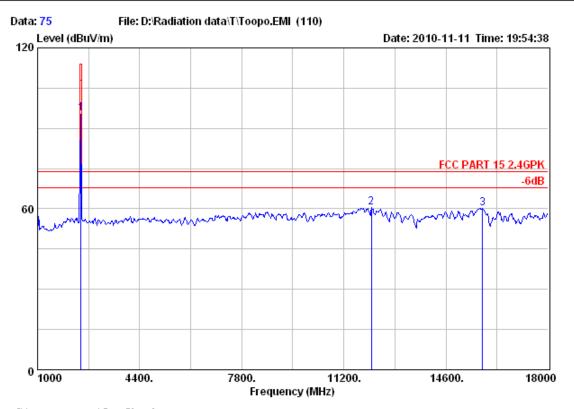
: YZ9600 M/N

: DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

| Freq. (MHz) | | Limits (dBuV/m) | _ | Reading (dBuV) | | Cable Loss (dB) | Remark |
|----------------|-------|--------------------|------|-------------------|-------|-----------------------|---------|
| 1 2403.00 | 89.64 | 94.00 | 4.36 | 55.91 | 31.50 | 2.23 | Average |
| 2 8633.00 | 48.08 | 54.00 | 5.92 | 8.51 | 36.95 | 2.62 | Average |
| 313019.00 | 46.67 | 54.00 | 7.33 | 3.49 | 40.30 | 2.88 | Average |

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Test Site : 10m Chamber

Limit : FCC PART 15 2.4GPK

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

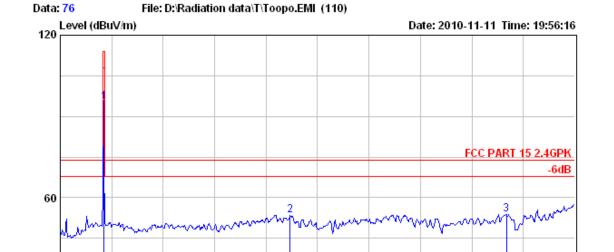
| Freq. (MHz) | Emission Level (dBuV/m) | Limits (dBuV/m) | _ | _ | Factor | | Remark |
|----------------|-------------------------------|--------------------|-------|-------|----------------|--------------|--------------|
| 1 2440.00 | 95.62 | 114.00 | | 61.85 | 31.54 | | Peak |
| 212118.00 | 60.37 60.19 | 74.00 | 13.63 | 17.69 | 39.85 42 16 | 2.83 3 NS | Peak Peak |

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Test Site : 10m Chamber

Limit : FCC PART 15 2.4GPK

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

7800.

Frequency (MHz)

11200.

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

4400.

Test Engineer : Jade

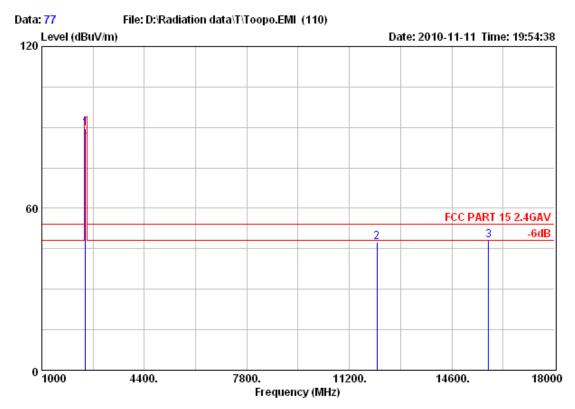
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Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | Emission | | | | Ant. | Cable | |
|-----------|-------------------|--------------------|-------|-------|-------|-------|--------|
| Freq. | Level (dBuV/m) | Limits (dBuV/m) | _ | _ | | | Remark |
| 1 2440.00 | 95.27 | 114.00 | 18.73 | 61.50 | 31.54 | 2.23 | Peak |
| 2 8599.00 | 53.33 | 74.00 | 20.67 | 13.78 | 36.94 | 2.61 | Peak |
| 315739.00 | 53.91 | 74.00 | 20.09 | 8.82 | 42.05 | 3.04 | Peak |

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Fax:+86-769-85991080



Test Site : 10m Chamber

Limit : FCC PART 15 2.4GAV

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

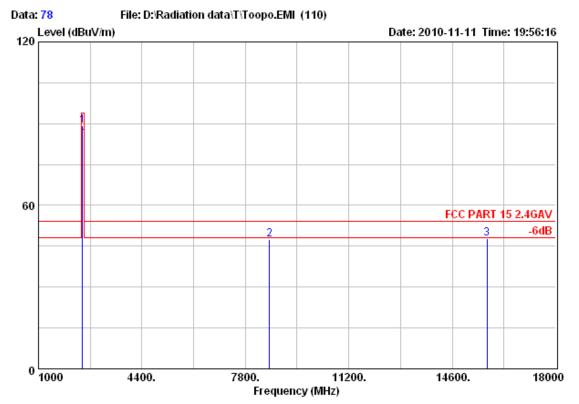
Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | | Emission | | | | Ant. | Cable | |
|---|-----------|----------|----------|--------|---------|--------|-------|---------|
| | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| - | | | | | | | | |
| | 1 2440.00 | 89.62 | 94.00 | 4.38 | 55.85 | 31.54 | 2.23 | Average |
| | 212118.00 | 47.37 | 54.00 | 6.63 | 4.69 | 39.85 | 2.83 | Average |
| | 315824.00 | 48.19 | 54.00 | 5.81 | 2.98 | 42.16 | 3.05 | Average |

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Test Site : 10m Chamber

: FCC PART 15 2.4GAV Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

: Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

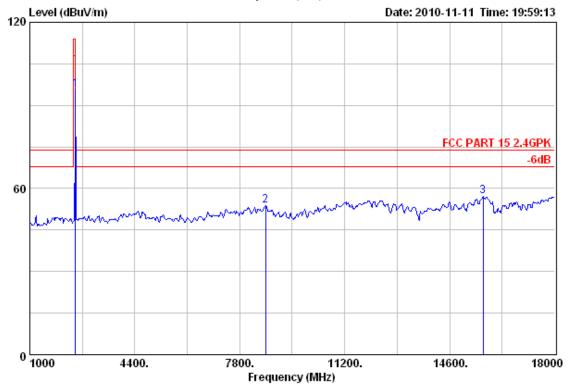
Comment : Temp:25.3'C Humi:55% Perss:101.51kPa Test Mode : TX CH38 2440MHz ANT2

| | | Emission | | | | Ant. | Cable | |
|---|----------------|-------------------|--------------------|------|-------------------|---------------|--------------|---------|
| | Freq. (MHz) | Level (dBuV/m) | Limits (dBuV/m) | _ | Reading (dBuV) | Factor (dB/m) | Loss (dB) | Remark |
| - | | | | | | | | |
| | 1 2440.00 | 89.27 | 94.00 | 4.73 | 55.50 | 31.54 | 2.23 | Average |
| | 2 8599.00 | 47.33 | 54.00 | 6.67 | 7.78 | 36.94 | 2.61 | Average |
| | 315739.00 | 47.91 | 54.00 | 6.09 | 2.82 | 42.05 | 3.04 | Average |

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Fax:+86-769-85991080





Test Site : 10m Chamber

Limit : FCC PART 15 2.4GPK

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

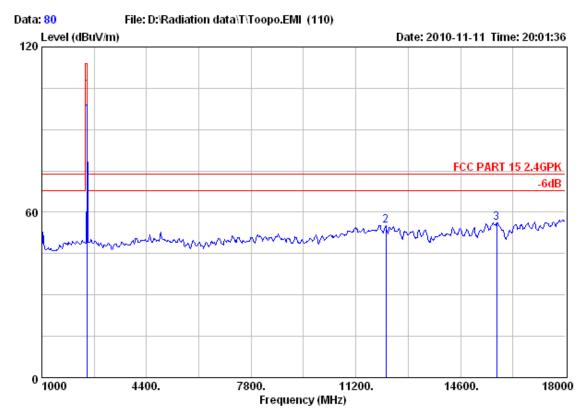
Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | | Emission | | | | Ant. | Cable | |
|---|-----------|----------|----------|--------|---------|--------|-------|--------|
| | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| - | | | | | | | | |
| | 1 2479.00 | 95.65 | 114.00 | 18.35 | 61.84 | 31.58 | 2.23 | Peak |
| | 2 8633.00 | 53.84 | 74.00 | 20.16 | 14.27 | 36.95 | 2.62 | Peak |
| | 315688.00 | 57.05 | 74.00 | 16.95 | 12.04 | 41.97 | 3.04 | Peak |

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Test Site : 10m Chamber

Limit : FCC PART 15 2.4GPK

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

: Wireless Module

M/N : YZ9600

: DC 5V From PC Input AC 120V/60Hz Power

Test Engineer : Jade

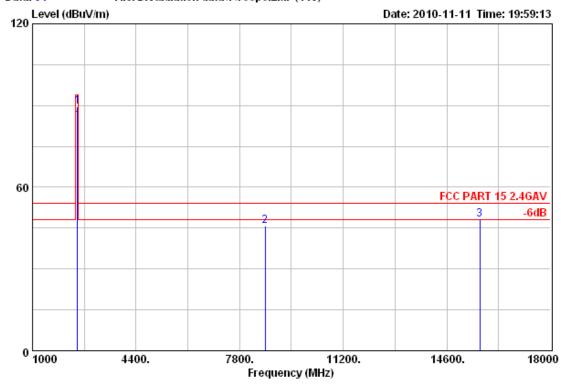
Comment : Temp:25.3'C Humi:55% Perss:101.51kPa Test Mode : TX CH77 2479MHz ANT2

| | | Emission | | | | Ant. | Cable | |
|---|-----------|----------|----------|--------|---------|--------|-------|--------|
| | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| - | | | | | | | | |
| | 1 2479.00 | 95.10 | 114.00 | 18.90 | 61.29 | 31.58 | 2.23 | Peak |
| | 212169.00 | 55.17 | 74.00 | 18.83 | 12.47 | 39.87 | 2.83 | Peak |
| | 315773.00 | 56.22 | 74.00 | 17.78 | 11.07 | 42.10 | 3.05 | Peak |

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Fax:+86-769-85991080

File: D:\Radiation data\T\Toopo.EMI (110) Data: 81



Test Site : 10m Chamber

: FCC PART 15 2.4GAV

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

M/N: YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

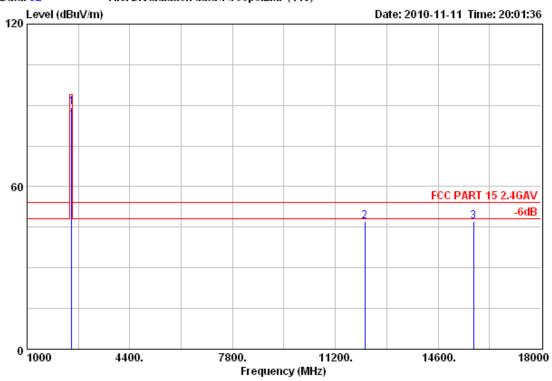
Comment : Temp:25.3'C Humi:55% Perss:101.51kPa Test Mode : TX CH77 2479MHz ANT2

| Freq. (MHz) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Reading (dBuV) | Ant. Factor (dB/m) | Cable Loss (dB) | Remark |
|----------------|-------------------------------|--------------------|----------------|-------------------|--------------------------|-----------------------|---------|
| 1 2479.00 | 89.65 | 94.00 | 4.35 | 55.84 | 31.58 | | Average |
| 2 8633.00 | 45.84 | 54.00 | 8.16 | 6.27 | 36.95 | | Average |
| 315688.00 | 48.05 | 54.00 | 5.95 | 3.04 | 41.97 | | Average |

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Fax:+86-769-85991080





Test Site : 10m Chamber

Limit : FCC PART 15 2.4GAV

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| Remark | Cable Loss (dB) | | Reading (dBuV) | _ | Limits (dBuV/m) | | Freq. |
|--------------------|-----------------------|----------------|-------------------|--------------|--------------------|----------------|------------------------|
| Average Average | | 31.58 39.87 | 55.29 4.47 | 4.90 6.83 | 94.00 54.00 | 89.10 47.17 | 1 2479.00 212169.00 |
| lwerage | 3 05 | 42 10 | 2 07 | 6 78 | 54 00 | 47 22 | 315773 00 |

5.3. 20dB Bandwidth

5.3.1. Test limits

No requirement.

5.3.2. Test procedure

- 1. The EUT was placed on a table which is 0.8m above ground plane.
- 2. Connect EUT RF output port to the spectrum analyzer through an RF attenuator.
- 3. Set SA Center Frequency = Operation frequency, RBW=1MHz, VBW=3MHz.
- 4. Set SA trace max hold, then view.

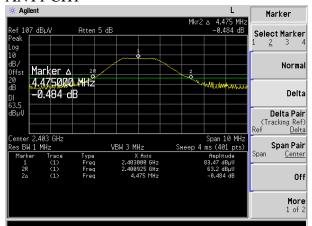
5.3.3. Test result

Pass

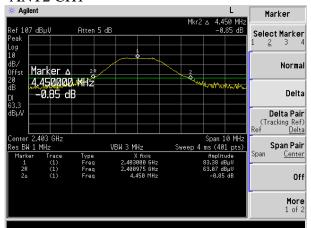
| Test CH | Frequency MHz | 20dB bandwidth MHz |
|-----------|------------------|-----------------------|
| ANT1 CH1 | 2403 | 4.475 |
| ANT1 CH38 | 2440 | 4.525 |
| ANT1 CH77 | 2479 | 4.550 |
| ANT2 CH1 | 2403 | 4.450 |
| ANT2 CH38 | 2440 | 4.450 |
| ANT2 CH77 | 2479 | 4.650 |

The test plots as following:

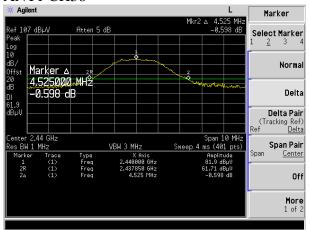
ANT1 CH1



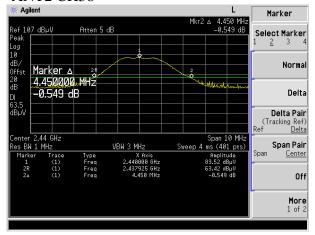
ANT2 CH1



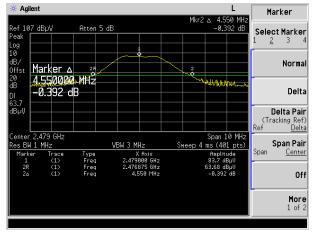
ANT1 CH38



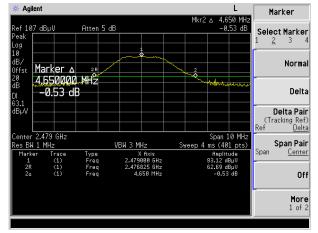
ANT2 CH38



ANT1 CH77



ANT2 CH77



5.4. Band Edge

5.4.1. Test limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

5.4.2. Test procedure

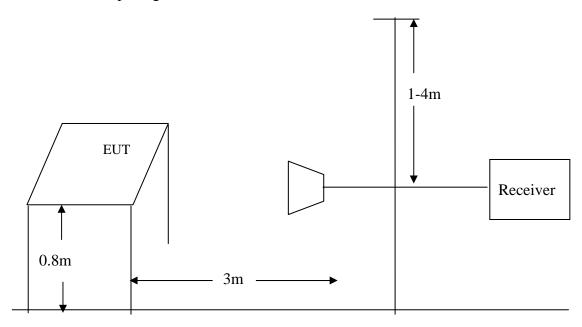
The EUT was placed on a turn table which was 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna which was mounted on a antenna tower. At the frequency band above 1GHz, The measuring antenna moved from 1 to 4 m for horizontal and vertical polarization. The horn antenna was used was a receiving antenna.

The resolution bandwidth and video bandwidth of the test receiver was 1MHz and 1MHz for Peak detection at frequency above 1GHz.

The EUT position(X, Y, Z) were checked and worse case was happened in Y position. So Y position was chose for find measurement.

The EUT was tested in Chamber Site.

5.4.3. Test Setup Diagram



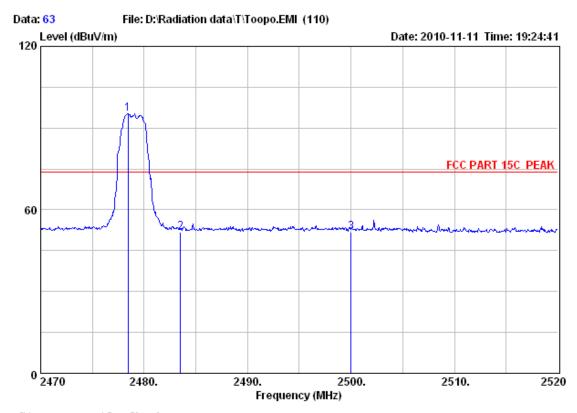
5.4.4. Test result

PASS.

The test plots as following:

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Test Site : 10m Chamber

Limit : FCC PART 15C PEAK

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

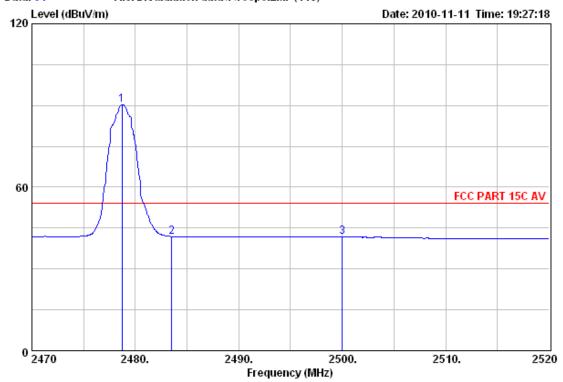
Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | | Emission | | | | Ant. | Cable | |
|---|----------------|-------------------|--------------------|--------|-------|-------|-------|--------|
| | Freq. (MHz) | Level (dBuV/m) | Limits (dBuV/m) | _ | _ | | | Remark |
| _ | | | | | | | | |
| | 1 2478.45 | 95.28 | 74.00 | -21.28 | 61.47 | 31.58 | 2.23 | Peak |
| | 2 2483.50 | 51.90 | 74.00 | 22.10 | 18.09 | 31.58 | 2.23 | Peak |
| | 3 2500.00 | 51.90 | 74.00 | 22.10 | 18.07 | 31.60 | 2.23 | Peak |

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Fax:+86-769-85991080





Test Site : 10m Chamber : FCC PART 15C AV

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

: Wireless Module EUT

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

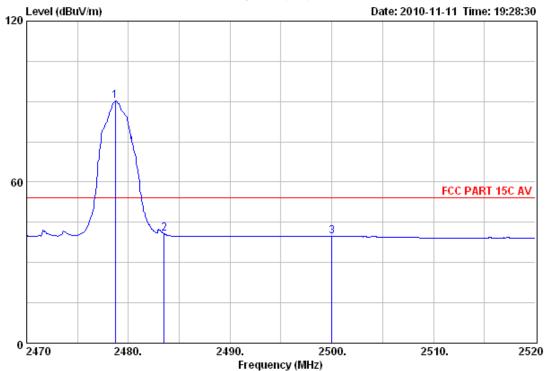
Comment : Temp:25.3'C Humi:55% Perss:101.51kPa Test Mode : TX CH77 2479MHz ANT1

| | Cable | Ant. | | | | Emission | | |
|---------|-------|--------|---------|--------|----------|----------|-----------|--|
| Remark | Loss | Factor | Reading | Margin | Limits | Level | Freq. | |
| | (dB) | (dB/m) | (dBuV) | (dB) | (dBuV/m) | (dBuV/m) | (MHz) | |
| | | | | | | | | |
| Average | 2.23 | 31.58 | 56.57 | -36.38 | 54.00 | 90.38 | 1 2478.70 | |
| Average | 2.23 | 31.58 | 8.09 | 12.10 | 54.00 | 41.90 | 2 2483.50 | |
| Average | 2.23 | 31.60 | 7.96 | 12.21 | 54.00 | 41.79 | 3 2500.00 | |

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Test Site : 10m Chamber Limit : FCC PART 15C AV

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

M/N : YZ9600

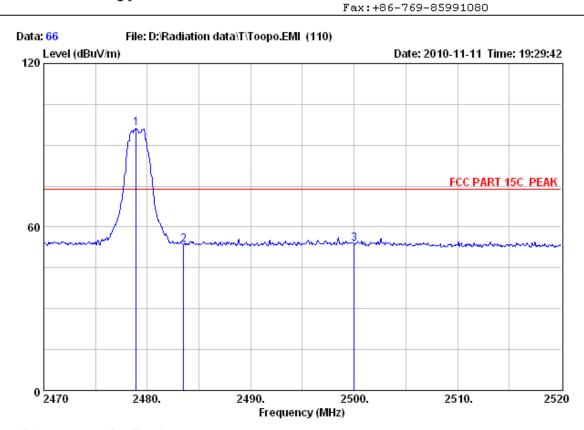
Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | | Emission | | | | Ant. | Cable | |
|---|---------|----------|----------|--------|---------|--------|-------|---------|
| | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| | | | | | | | | |
| 1 | 2478.70 | 90.11 | 54.00 | -36.11 | 56.30 | 31.58 | 2.23 | Average |
| 2 | 2483.50 | 40.72 | 54.00 | 13.28 | 6.91 | 31.58 | 2.23 | Average |
| 3 | 2500.00 | 39.79 | 54.00 | 14.21 | 5.96 | 31.60 | 2.23 | Average |

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Test Site : 10m Chamber

Limit : FCC PART 15C PEAK

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

M/N : YZ9600

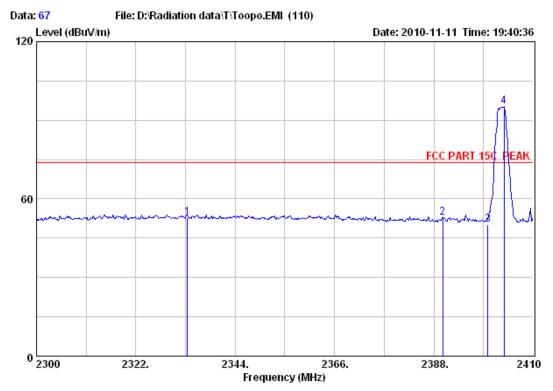
Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | | Emission | | | | Ant. | Cable | |
|---|-----------|----------|----------|--------|---------|--------|-------|--------|
| | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| - | | | | | | | | |
| | 1 2478.95 | 96.12 | 74.00 | -22.12 | 62.31 | 31.58 | 2.23 | Peak |
| | 2 2483.50 | 53.63 | 74.00 | 20.37 | 19.82 | 31.58 | 2.23 | Peak |
| | 3 2500.00 | 53.74 | 74.00 | 20.26 | 19.91 | 31.60 | 2.23 | Peak |

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Test Site : 10m Chamber

: FCC PART 15C PEAK Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

: YZ9600 M/N

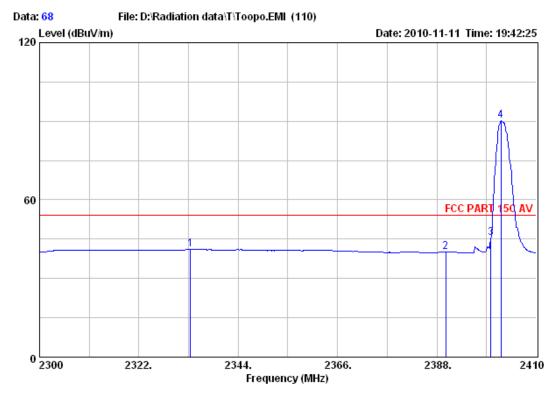
Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

: Temp:25.3'C Humi:55% Perss:101.51kPa Comment : Temp:25.3'C Humi:5 Test Mode : TX CH1 2403MHz ANT1

| | | | Emission | | | | Ant. | Cable | |
|---|---|---------|----------|----------|--------|---------|--------|-------|--------|
| | | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| - | | | | | | | | | |
| | 1 | 2333.44 | 52.97 | 74.00 | 21.03 | 19.32 | 31.43 | 2.22 | Peak |
| | 2 | 2390.00 | 52.85 | 74.00 | 21.15 | 19.15 | 31.48 | 2.22 | Peak |
| | 3 | 2400.00 | 50.23 | 74.00 | 23.77 | 16.50 | 31.50 | 2.23 | Peak |
| | 4 | 2403.51 | 95.22 | 74.00 | -21.22 | 61.49 | 31.50 | 2.23 | Peak |

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Test Site : 10m Chamber : FCC PART 15C AV Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

: YZ9600 M/N

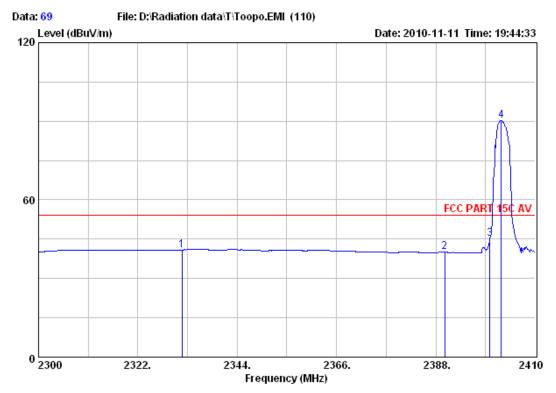
: DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

: Temp:25.3'C Humi:55% Perss:101.51kPa Comment : Temp:25.3'C Humi:5 Test Mode : TX CH1 2403MHz ANT1

| | Cable | Ant. | | | | Emission | | |
|---------|-------|--------|---------|--------|----------|----------|-----------|---|
| Remark | Loss | Factor | Reading | Margin | Limits | Level | Freq. | |
| | (dB) | (dB/m) | (dBuV) | (dB) | (dBuV/m) | (dBuV/m) | (MHz) | |
| | | | | | | | | |
| Average | 2.22 | 31.43 | 7.38 | 12.97 | 54.00 | 41.03 | 1 2333.44 | 1 |
| Average | 2.22 | 31.48 | 6.31 | 13.99 | 54.00 | 40.01 | 2 2390.00 | 2 |
| Average | 2.23 | 31.50 | 11.85 | 8.42 | 54.00 | 45.58 | 3 2400.00 | 3 |
| Average | 2.23 | 31.50 | 56.42 | -36.15 | 54.00 | 90.15 | 4 2402.19 | 4 |

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Test Site : 10m Chamber : FCC PART 15C AV Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

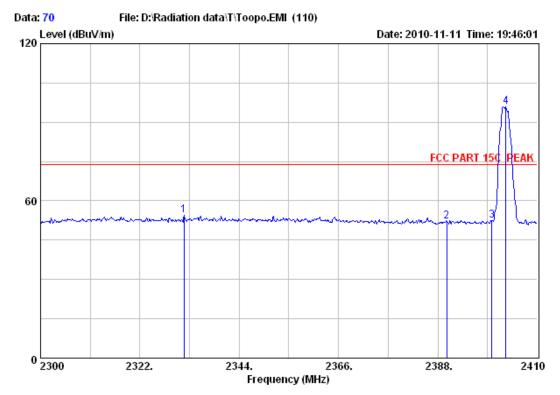
: YZ9600 M/N

Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

| | Cable | Ant. | | | | Emission | | |
|---------|-------|--------|---------|--------|----------|----------|---------|---|
| Remark | Loss | Factor | Reading | Margin | Limits | Level | Freq. | |
| | (dB) | (dB/m) | (dBuV) | (dB) | (dBuV/m) | (dBuV/m) | (MHz) | |
| | | | | | | | | |
| Average | 2.22 | 31.43 | 7.29 | 13.06 | 54.00 | 40.94 | 2331.79 | 1 |
| Average | 2.22 | 31.48 | 6.25 | 14.05 | 54.00 | 39.95 | 2390.00 | 2 |
| Average | 2.23 | 31.50 | 11.28 | 8.99 | 54.00 | 45.01 | 2400.00 | 3 |
| Average | 2.23 | 31.50 | 56.64 | -36.37 | 54.00 | 90.37 | 2402.52 | 4 |

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Test Site : 10m Chamber

: FCC PART 15C PEAK Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

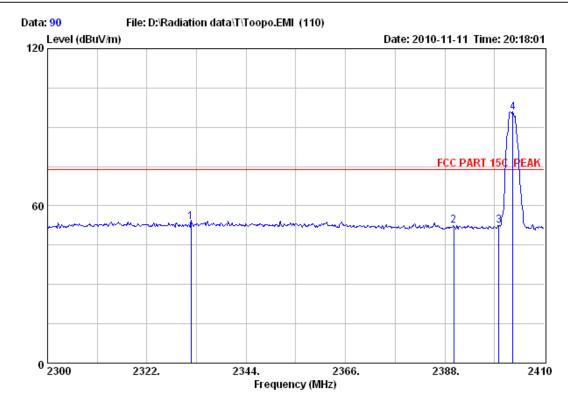
: YZ9600 M/N

Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

| | | | Emission | | | | Ant. | Cable | |
|---|---|---------|----------|----------|--------|---------|--------|-------|--------|
| | | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| - | | | | | | | | | |
| | 1 | 2331.79 | 54.36 | 74.00 | 19.64 | 20.71 | 31.43 | 2.22 | Peak |
| | 2 | 2390.00 | 52.28 | 74.00 | 21.72 | 18.58 | 31.48 | 2.22 | Peak |
| | 3 | 2400.00 | 52.46 | 74.00 | 21.54 | 18.73 | 31.50 | 2.23 | Peak |
| | 4 | 2403.07 | 95.90 | 74.00 | -21.90 | 62.17 | 31.50 | 2.23 | Peak |

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Test Site : 10m Chamber

: FCC PART 15C PEAK Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

: YZ9600 M/N

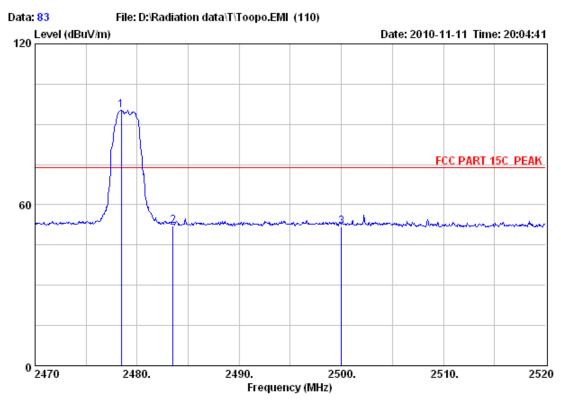
Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

| | | | Emission | | | | Ant. | Cable | |
|---|---|---------|----------|----------|--------|---------|--------|-------|--------|
| | | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| - | | | | | | | | | |
| | 1 | 2331.79 | 53.87 | 74.00 | 20.13 | 20.22 | 31.43 | 2.22 | Peak |
| | 2 | 2390.00 | 52.34 | 74.00 | 21.66 | 18.64 | 31.48 | 2.22 | Peak |
| | 3 | 2400.00 | 52.34 | 74.00 | 21.66 | 18.61 | 31.50 | 2.23 | Peak |
| | 4 | 2403.07 | 95.67 | 74.00 | -21.67 | 61.94 | 31.50 | 2.23 | Peak |

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Test Site : 10m Chamber

Limit : FCC PART 15C PEAK

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

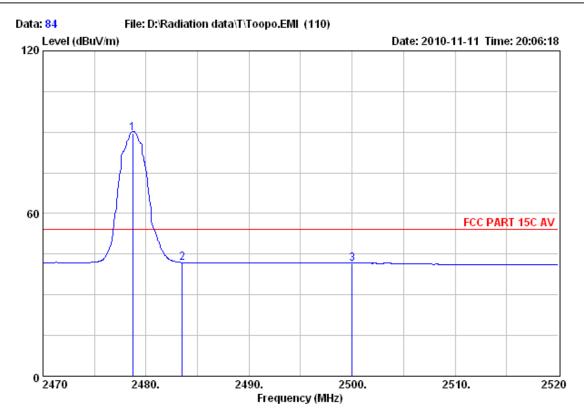
Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | | | Emission | | | | Ant. | Cable | |
|---|---|---------|----------|----------|--------|---------|--------|-------|--------|
| | | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| - | | | | | | | | | |
| | 1 | 2478.45 | 95.16 | 74.00 | -21.16 | 61.35 | 31.58 | 2.23 | Peak |
| | 2 | 2483.50 | 52.06 | 74.00 | 21.94 | 18.25 | 31.58 | 2.23 | Peak |
| | 3 | 2500.00 | 51.65 | 74.00 | 22.35 | 17.82 | 31.60 | 2.23 | Peak |

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: 10m Chamber Test Site : FCC PART 15C AV Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

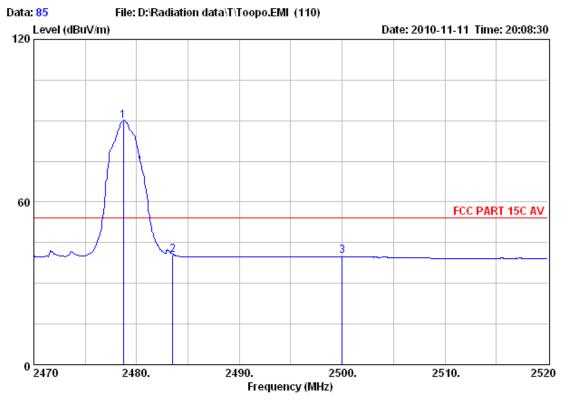
Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa Test Mode : TX CH77 2479MHz ANT2

| | Cable | Ant. | | | | Emission | |
|---------|-------|--------|---------|--------|----------|----------|-----------|
| Remark | Loss | Factor | Reading | Margin | Limits | Level | Freq. |
| | (dB) | (dB/m) | (dBuV) | (dB) | (dBuV/m) | (dBuV/m) | (MHz) |
| | | | | | | | |
| Average | 2.23 | 31.58 | 55.68 | -35.49 | 54.00 | 89.49 | 1 2478.70 |
| Average | 2.23 | 31.58 | 7.86 | 12.33 | 54.00 | 41.67 | 2 2483.50 |
| Average | 2.23 | 31.60 | 7.52 | 12.65 | 54.00 | 41.35 | 3 2500.00 |

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Fax:+86-769-85991080



Test Site : 10m Chamber Limit : FCC PART 15C AV

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

M/N : YZ9600

Power : DC 5V From PC Input AC 120V/60Hz

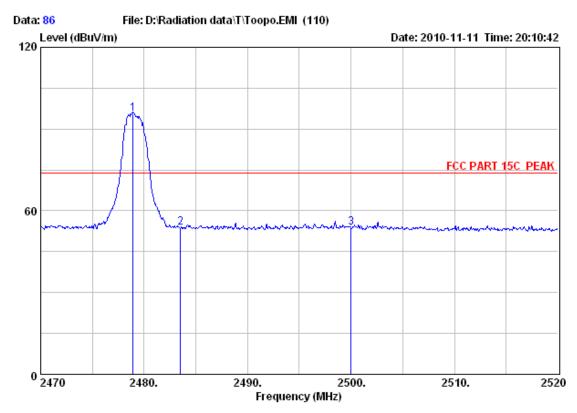
Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | Cable | Ant. | | | | Emission | |
|---------|-------|--------|---------|--------|----------|----------|-----------|
| Remark | Loss | Factor | Reading | Margin | Limits | Level | Freq. |
| | (dB) | (dB/m) | (dBuV) | (dB) | (dBuV/m) | (dBuV/m) | (MHz) |
| | | | | | | | |
| Average | 2.23 | 31.58 | 56.06 | -35.87 | 54.00 | 89.87 | 1 2478.70 |
| Average | 2.23 | 31.58 | 6.54 | 13.65 | 54.00 | 40.35 | 2 2483.50 |
| Average | 2.23 | 31.60 | 6.38 | 13.79 | 54.00 | 40.21 | 3 2500.00 |

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Test Site : 10m Chamber

Limit : FCC PART 15C PEAK

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

M/N : YZ9600

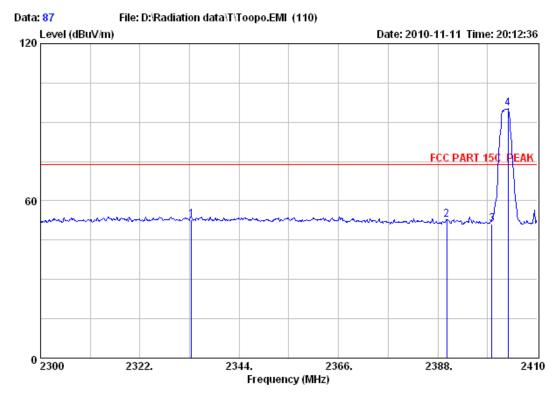
Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

Comment : Temp:25.3'C Humi:55% Perss:101.51kPa

| | | | Emission | | | | Ant. | Cable | |
|---|---|----------------|-------------------|--------------------|--------|-------|-------|-------|--------|
| | | Freq. (MHz) | Level (dBuV/m) | Limits (dBuV/m) | _ | _ | | | Remark |
| - | | | | | | | | | |
| | 1 | 2478.95 | 95.61 | 74.00 | -21.61 | 61.80 | 31.58 | 2.23 | Peak |
| | 2 | 2483.50 | 53.66 | 74.00 | 20.34 | 19.85 | 31.58 | 2.23 | Peak |
| | 3 | 2500.00 | 53.84 | 74.00 | 20.16 | 20.01 | 31.60 | 2.23 | Peak |

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Test Site : 10m Chamber

: FCC PART 15C PEAK Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

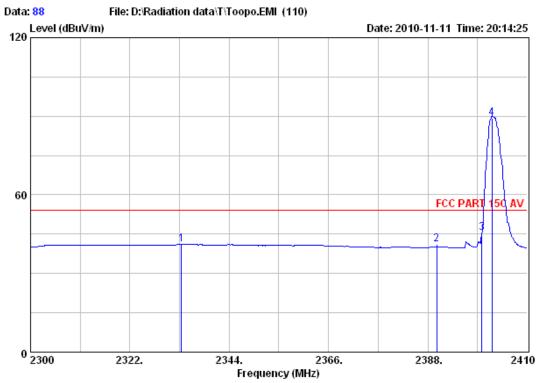
: YZ9600 M/N

Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

| | | | Emission | | | | Ant. | Cable | |
|---|---|---------|----------|----------|--------|---------|--------|-------|--------|
| | | Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| | | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| - | | | | | | | | | |
| | 1 | 2333.44 | 52.67 | 74.00 | 21.33 | 19.02 | 31.43 | 2.22 | Peak |
| | 2 | 2390.00 | 52.78 | 74.00 | 21.22 | 19.08 | 31.48 | 2.22 | Peak |
| | 3 | 2400.00 | 51.21 | 74.00 | 22.79 | 17.48 | 31.50 | 2.23 | Peak |
| | 4 | 2403.51 | 95.35 | 74.00 | -21.35 | 61.62 | 31.50 | 2.23 | Peak |

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Test Site : 10m Chamber Limit : FCC PART 15C AV

Dis. / Ant. : 3m 3117 Ant. Pol.: VERTICAL

EUT : Wireless Module

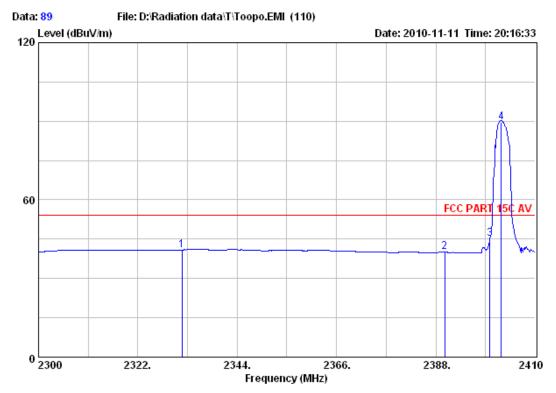
: YZ9600 M/N

Power : DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

| | Emission | | | | Ant. | Cable | |
|-----------|----------|----------|--------|---------|--------|-------|---------|
| Freq. | Level | Limits | Margin | Reading | Factor | Loss | Remark |
| (MHz) | (dBuV/m) | (dBuV/m) | (dB) | (dBuV) | (dB/m) | (dB) | |
| | | | | | | | |
| 1 2333.44 | 41.24 | 54.00 | 12.76 | 7.59 | 31.43 | 2.22 | Average |
| 2 2390.00 | 41.18 | 54.00 | 12.82 | 7.48 | 31.48 | 2.22 | Average |
| 3 2400.00 | 45.36 | 54.00 | 8.64 | 11.63 | 31.50 | 2.23 | Average |
| 4 2402.19 | 89.12 | 54.00 | -35.12 | 55.39 | 31.50 | 2.23 | Average |

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Test Site : 10m Chamber : FCC PART 15C AV Limit

Dis. / Ant. : 3m 3117 Ant. Pol.: HORIZONTAL

EUT : Wireless Module

: YZ9600 M/N

: DC 5V From PC Input AC 120V/60Hz

Test Engineer : Jade

| | Cable | Ant. | | | | Emission | | |
|---------|-------|--------|---------|--------|----------|----------|---------|---|
| Remark | Loss | Factor | Reading | Margin | Limits | Level | Freq. | |
| | (dB) | (dB/m) | (dBuV) | (dB) | (dBuV/m) | (dBuV/m) | (MHz) | |
| | | | | | | | | |
| Average | 2.22 | 31.43 | 7.03 | 13.32 | 54.00 | 40.68 | 2331.79 | 1 |
| Average | 2.22 | 31.48 | 6.42 | 13.88 | 54.00 | 40.12 | 2390.00 | 2 |
| Average | 2.23 | 31.50 | 11.48 | 8.79 | 54.00 | 45.21 | 2400.00 | 3 |
| Average | 2.23 | 31.50 | 55.91 | -35.64 | 54.00 | 89.64 | 2402.52 | 4 |