

APPLICATION CERTIFICATION FCC Part 15C

On Behalf of  
NEXXT SOLUTIONS

IP CAMERA  
Model No.: XPY320

FCC ID: X4Y-XPY320

Prepared for : NEXXT SOLUTIONS  
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Report Number : ATE20122267  
Date of Test : September 25-October 10, 2012  
Date of Report : October 11, 2012

# TABLE OF CONTENTS

| Description                                          | Page      |
|------------------------------------------------------|-----------|
| Test Report Certification                            |           |
| <b>1. GENERAL INFORMATION .....</b>                  | <b>5</b>  |
| 1.1. Description of Device (EUT).....                | 5         |
| 1.2. Carrier Frequency of Channels .....             | 6         |
| 1.3. Test Procedure .....                            | 6         |
| 1.4. Special Accessory and Auxiliary Equipment ..... | 6         |
| 1.5. Description of Test Facility .....              | 6         |
| 1.6. Measurement Uncertainty .....                   | 7         |
| <b>2. MEASURING DEVICE AND TEST EQUIPMENT .....</b>  | <b>8</b>  |
| <b>3. OPERATION OF EUT DURING TESTING .....</b>      | <b>9</b>  |
| 3.1. Operating Mode .....                            | 9         |
| 3.2. Configuration and peripherals .....             | 10        |
| <b>4. TEST PROCEDURES AND RESULTS .....</b>          | <b>11</b> |
| <b>5. 6DB BANDWIDTH MEASUREMENT.....</b>             | <b>12</b> |
| 5.1. Block Diagram of Test Setup.....                | 12        |
| 5.2. The Requirement For Section 15.247(a)(2).....   | 12        |
| 5.3. EUT Configuration on Measurement .....          | 12        |
| 5.4. Operating Condition of EUT .....                | 12        |
| 5.5. Test Procedure .....                            | 13        |
| 5.6. Test Result .....                               | 13        |
| <b>6. MAXIMUM PEAK OUTPUT POWER .....</b>            | <b>27</b> |
| 6.1. Block Diagram of Test Setup.....                | 27        |
| 6.2. The Requirement For Section 15.247(b)(3).....   | 27        |
| 6.3. EUT Configuration on Measurement .....          | 27        |
| 6.4. Operating Condition of EUT .....                | 27        |
| 6.5. Test Procedure .....                            | 28        |
| 6.6. Test Result .....                               | 28        |
| <b>7. POWER SPECTRAL DENSITY MEASUREMENT.....</b>    | <b>42</b> |
| 7.1. Block Diagram of Test Setup.....                | 42        |
| 7.2. The Requirement For Section 15.247(e).....      | 42        |
| 7.3. EUT Configuration on Measurement .....          | 42        |
| 7.4. Operating Condition of EUT .....                | 42        |
| 7.5. Test Procedure .....                            | 43        |
| 7.6. Test Result .....                               | 44        |
| <b>8. BAND EDGE COMPLIANCE TEST .....</b>            | <b>58</b> |
| 8.1. Block Diagram of Test Setup.....                | 58        |
| 8.2. The Requirement For Section 15.247(d) .....     | 58        |
| 8.3. EUT Configuration on Measurement .....          | 58        |
| 8.4. Operating Condition of EUT .....                | 59        |
| 8.5. Test Procedure .....                            | 59        |
| 8.6. Test Result .....                               | 60        |
| <b>9. RADIATED SPURIOUS EMISSION TEST .....</b>      | <b>93</b> |
| 9.1. Block Diagram of Test Setup.....                | 93        |
| 9.2. The Limit For Section 15.247(d) .....           | 94        |
| 9.3. Restricted bands of operation .....             | 94        |

|            |                                                                                 |            |
|------------|---------------------------------------------------------------------------------|------------|
| 9.4.       | Configuration of EUT on Measurement .....                                       | 95         |
| 9.5.       | Operating Condition of EUT .....                                                | 95         |
| 9.6.       | Test Procedure .....                                                            | 95         |
| 9.7.       | The Field Strength of Radiation Emission Measurement Results .....              | 96         |
| <b>10.</b> | <b>CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST .....</b>                        | <b>180</b> |
| 10.1.      | Block Diagram of Test Setup.....                                                | 180        |
| 10.2.      | The Requirement For Section 15.247(d) .....                                     | 180        |
| 10.3.      | EUT Configuration on Measurement .....                                          | 180        |
| 10.4.      | Operating Condition of EUT .....                                                | 181        |
| 10.5.      | Test Procedure .....                                                            | 181        |
| 10.6.      | Test Result .....                                                               | 181        |
| <b>11.</b> | <b>AC POWER LINE CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207(A) .....</b> | <b>194</b> |
| 11.1.      | Block Diagram of Test Setup.....                                                | 194        |
| 11.2.      | The Emission Limit .....                                                        | 194        |
| 11.3.      | Configuration of EUT on Measurement .....                                       | 195        |
| 11.4.      | Operating Condition of EUT .....                                                | 195        |
| 11.5.      | Test Procedure .....                                                            | 195        |
| 11.6.      | Power Line Conducted Emission Measurement Results .....                         | 196        |
| <b>12.</b> | <b>ANTENNA REQUIREMENT.....</b>                                                 | <b>199</b> |
| 12.1.      | The Requirement .....                                                           | 199        |
| 12.2.      | Antenna Construction .....                                                      | 199        |

## Test Report Certification

Applicant : NEXXT SOLUTIONS  
Manufacturer : NEXXT SOLUTIONS  
EUT Description : IP CAMERA  
(A) MODEL NO.: XPY320  
(B) SERIAL NO.: N/A  
(C) POWER SUPPLY: AC 120V/60Hz

Measurement Procedure Used:

**FCC Rules and Regulations Part 15 Subpart C Section 15.247**  
**ANSI C63.4: 2009**

The EUT was tested according to DTS test procedure of October 04, 2012 KDB558074 D01  
DTS Meas Guidance v02 for compliance to FCC 47CFR 15.247 requirements

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.247 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Test : September 25-October 10, 2012

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

|                         |   |                                                                                                     |
|-------------------------|---|-----------------------------------------------------------------------------------------------------|
| EUT                     | : | IP CAMERA                                                                                           |
| Model Number            | : | XPY320                                                                                              |
| Frequency Range         | : | 802.11b/g/n(20MHz): 2412-2462MHz<br>802.11n(40MHz): 2422-2452MHz                                    |
| Number of Channels      | : | 802.11b/g/n (20MHz):11<br>802.11n (40MHz): 7                                                        |
| Antenna Gain            | : | 2dBi                                                                                                |
| Power Supply            | : | AC 120V/60Hz                                                                                        |
| Adapter                 | : | Model number: RHD20W050200<br>Input: AC 100-240V; 50/60Hz<br>Output: DC 5V/2000mA                   |
| Data Rate               | : | 802.11b: 11, 5.5, 2, 1 Mbps<br>802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps<br>802.11n: up to 150Mbps |
| Applicant               | : | NEXXT SOLUTIONS                                                                                     |
| Address                 | : | 3505 N.W 107TH AVE. MIAMI, Florida, United States                                                   |
| Manufacturer            | : | NEXXT SOLUTIONS                                                                                     |
| Address                 | : | 3505 N.W 107TH AVE. MIAMI, Florida, United States                                                   |
| Date of sample received | : | September 25, 2012                                                                                  |
| Date of Test            | : | September 25-October 10, 2012                                                                       |

## 1.2.Carrier Frequency of Channels

802.11b, 802.11g, 802.11n (20MHz)

| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
|---------|----------------|---------|----------------|
| 01      | 2412           | 07      | 2442           |
| 02      | 2417           | 08      | 2447           |
| 03      | 2422           | 09      | 2452           |
| 04      | 2427           | 10      | 2457           |
| 05      | 2432           | 11      | 2462           |
| 06      | 2437           | ---     | ---            |

802.11n (40MHz)

| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
|---------|----------------|---------|----------------|
| ---     | ---            | 07      | 2442           |
| ---     | ---            | 08      | 2447           |
| 03      | 2422           | 09      | 2452           |
| 04      | 2427           | ---     | ---            |
| 05      | 2432           | ---     | ---            |
| 06      | 2437           | ---     | ---            |

## 1.3.Test Procedure

The EUT was tested according to DTS test procedure of October 04, 2012 KDB558074 D01 DTS Meas Guidance v02 for compliance to FCC 47CFR 15.247 requirements.

## 1.4.Special Accessory and Auxiliary Equipment

N/A

## 1.5.Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen

Listed by FCC

The Registration Number is 752051

Listed by Industry Canada

The Registration Number is 5077A-2

Accredited by China National Accreditation Committee  
for Laboratories

The Certificate Registration Number is L3193

Name of Firm : ACCURATE TECHNOLOGY CO. LTD

Site Location : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.  
Science & Industry Park, Nanshan, Shenzhen, Guangdong  
P.R. China

## 1.6.Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty  
(9kHz-30MHz) = 3.08dB, k=2

Radiated emission expanded uncertainty  
(30MHz-1000MHz) = 4.42dB, k=2

Radiated emission expanded uncertainty  
(Above 1GHz) = 4.06dB, k=2

## 2. MEASURING DEVICE AND TEST EQUIPMENT

**Table 1: List of Test and Measurement Equipment**

| Kind of equipment  | Manufacturer              | Type                                    | S/N        | Calibrated <a href="#">dates</a> | Calibrated until |
|--------------------|---------------------------|-----------------------------------------|------------|----------------------------------|------------------|
| EMI Test Receiver  | Rohde&Schwarz             | ESCS30                                  | 100307     | Jan. 8, 2012                     | Jan. 7, 2013     |
| EMI Test Receiver  | Rohde&Schwarz             | ESPI3                                   | 101526/003 | Jan. 8, 2012                     | Jan. 7, 2013     |
| Spectrum Analyzer  | Agilent                   | E7405A                                  | MY45115511 | Jan. 8, 2012                     | Jan. 7, 2013     |
| Pre-Amplifier      | Rohde&Schwarz             | CBLU118354<br>0-01                      | 3791       | Jan. 8, 2012                     | Jan. 7, 2013     |
| Loop Antenna       | Schwarzbeck               | FMZB1516                                | 1516131    | Jan. 8, 2012                     | Jan. 7, 2013     |
| Bilog Antenna      | Schwarzbeck               | VULB9163                                | 9163-323   | Jan. 8, 2012                     | Jan. 7, 2013     |
| Horn Antenna       | Schwarzbeck               | BBHA9120D                               | 9120D-655  | Jan. 8, 2012                     | Jan. 7, 2013     |
| Horn Antenna       | Schwarzbeck               | BBHA9170                                | 9170-359   | Jan. 8, 2012                     | Jan. 7, 2013     |
| LISN               | Rohde&Schwarz             | ESH3-Z5                                 | 100305     | Jan. 8, 2012                     | Jan. 7, 2013     |
| LISN               | Schwarzbeck               | NSLK8126                                | 8126431    | Jan. 8, 2012                     | Jan. 7, 2013     |
| Highpass Filter    | Wainwright<br>Instruments | WHKX3.6/18<br>G-10SS                    | N/A        | Jan. 8, 2012                     | Jan. 7, 2013     |
| Band Reject Filter | Wainwright<br>Instruments | WRCG2400/2<br>485-2375/2510<br>-60/11SS | N/A        | Jan. 8, 2012                     | Jan. 7, 2013     |

### **3. OPERATION OF EUT DURING TESTING**

#### **3.1.Operating Mode**

The mode is used: **1.802.11b Transmitting mode**

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

#### **2.802.11g Transmitting mode**

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

#### **3.802.11n (20MHz) Transmitting mode**

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

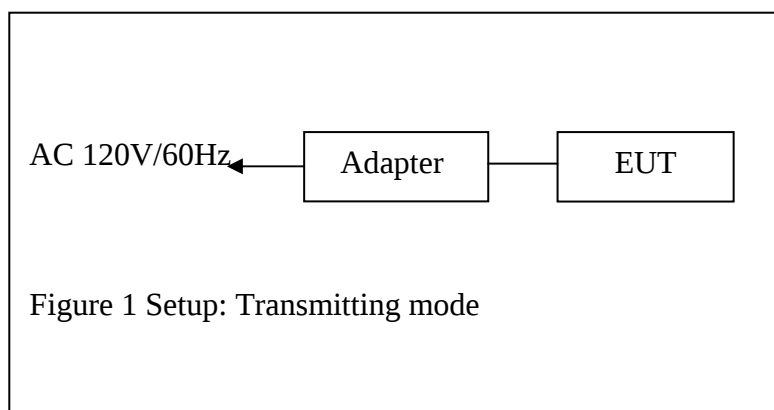
#### **4.802.11n (40MHz) Transmitting mode**

Low Channel: 2422MHz

Middle Channel: 2437MHz

High Channel: 2452MHz

### 3.2.Configuration and peripherals

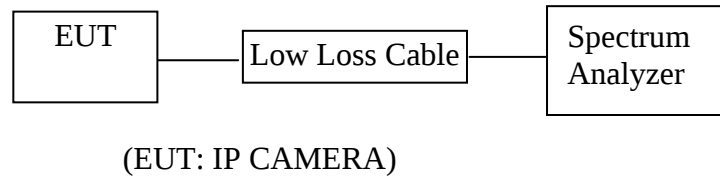


#### 4. TEST PROCEDURES AND RESULTS

| FCC Rules                           | Description of Test                   | Result    |
|-------------------------------------|---------------------------------------|-----------|
| Section 15.247(a)(2)                | 6dB Bandwidth Test                    | Compliant |
| Section 15.247(e)                   | Power Spectral Density Test           | Compliant |
| Section 15.247(b)(3)                | Maximum Peak Output Power Test        | Compliant |
| Section 15.247(d)                   | Band Edge Compliance Test             | Compliant |
| Section 15.247(d)<br>Section 15.209 | Radiated Spurious Emission Test       | Compliant |
| Section 15.247(d)                   | Conducted Spurious Emission Test      | Compliant |
| Section 15.207                      | AC Power Line Conducted Emission Test | Compliant |
| Section 15.203                      | Antenna Requirement                   | Compliant |

## 5. 6DB BANDWIDTH MEASUREMENT

### 5.1. Block Diagram of Test Setup



### 5.2. The Requirement For Section 15.247(a)(2)

Section 15.247(a)(2): Systems using digital modulation techniques may operate in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

### 5.3. EUT Configuration on Measurement

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

#### 5.3.1. IP CAMERA (EUT)

Model Number : XPY320  
 Serial Number : N/A  
 Manufacturer : NEXXT SOLUTIONS

### 5.4. Operating Condition of EUT

5.4.1. Setup the EUT and simulator as shown as Section 5.1.

5.4.2. Turn on the power of all equipment.

5.4.3. 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.

### 5.5. Test Procedure

1. Set resolution bandwidth (RBW) = 1-5% or DTS BW, not to exceed 100 kHz.
2. Set the video bandwidth (VBW)  $\geq 3 \times$  RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

### 5.6. Test Result

**PASS.**

|               |                         |                |                     |
|---------------|-------------------------|----------------|---------------------|
| Date of Test: | <u>October 23, 2012</u> | Temperature:   | <u>25°C</u>         |
| EUT:          | <u>IP CAMERA</u>        | Humidity:      | <u>50%</u>          |
| Model No.:    | <u>XPY320</u>           | Power Supply:  | <u>AC 120V/60HZ</u> |
| Test Mode:    | <u>TX</u>               | Test Engineer: | <u>Pei</u>          |

The test was performed with 802.11b

| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (MHz) |
|---------|-----------------|---------------------|-------------|
| Low     | 2412            | 10.08               | > 0.5MHz    |
| Middle  | 2437            | 10.08               | > 0.5MHz    |
| High    | 2462            | 10.04               | > 0.5MHz    |

The test was performed with 802.11g

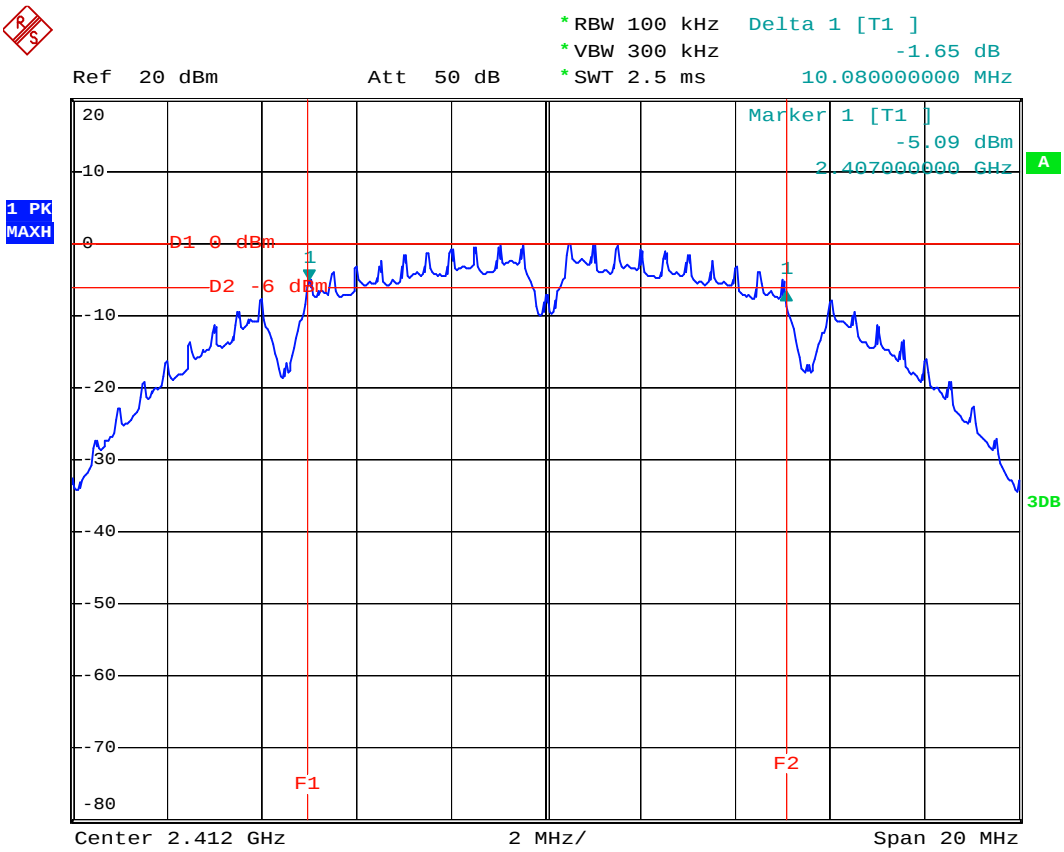
| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (MHz) |
|---------|-----------------|---------------------|-------------|
| Low     | 2412            | 16.32               | > 0.5MHz    |
| Middle  | 2437            | 16.32               | > 0.5MHz    |
| High    | 2462            | 16.08               | > 0.5MHz    |

| The test was performed with 802.11n (Bandwidth: 20 MHz) |                 |                     |             |
|---------------------------------------------------------|-----------------|---------------------|-------------|
| Channel                                                 | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (MHz) |
| Low                                                     | 2412            | 17.56               | > 0.5MHz    |
| Middle                                                  | 2437            | 17.52               | > 0.5MHz    |
| High                                                    | 2462            | 17.56               | > 0.5MHz    |

| The test was performed with 802.11n (Bandwidth: 40 MHz) |                 |                     |             |
|---------------------------------------------------------|-----------------|---------------------|-------------|
| Channel                                                 | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (MHz) |
| Low                                                     | 2422            | 35.36               | > 0.5MHz    |
| Middle                                                  | 2437            | 35.48               | > 0.5MHz    |
| High                                                    | 2452            | 35.52               | > 0.5MHz    |

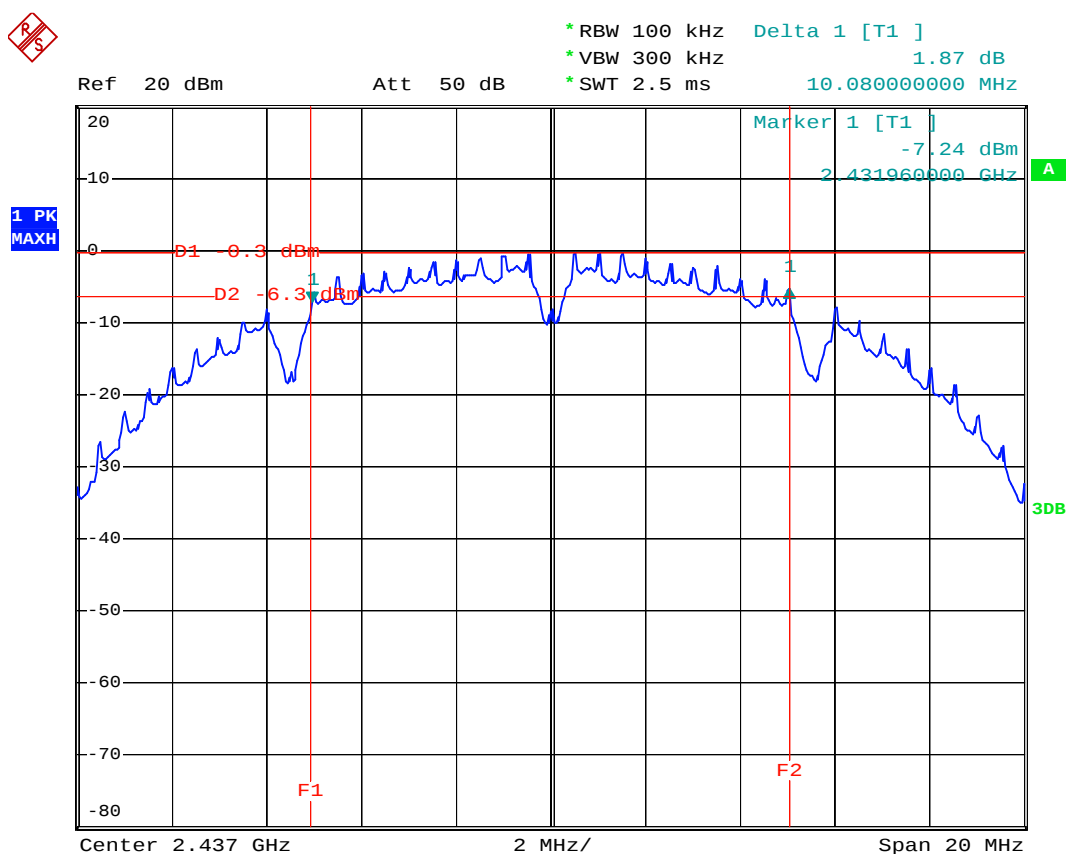
The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz



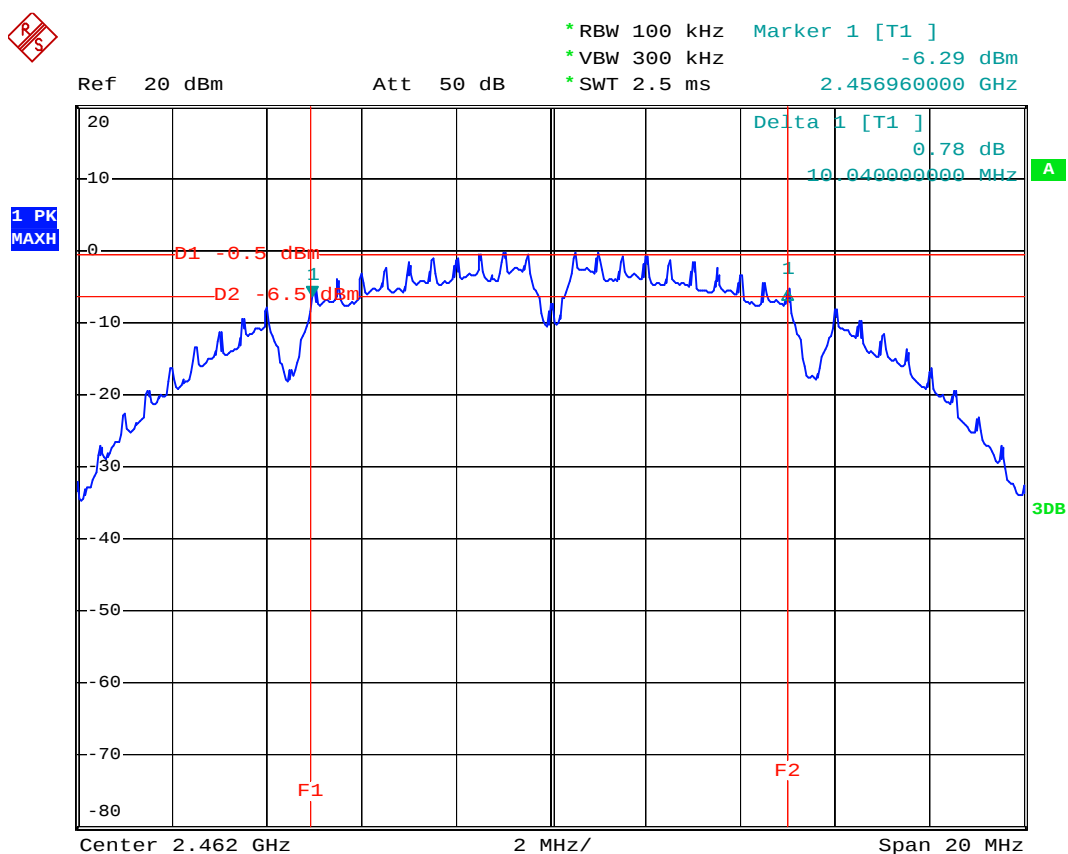
Date: 23.OCT.2012 13:43:06

# 802.11b Channel Middle 2437MHz



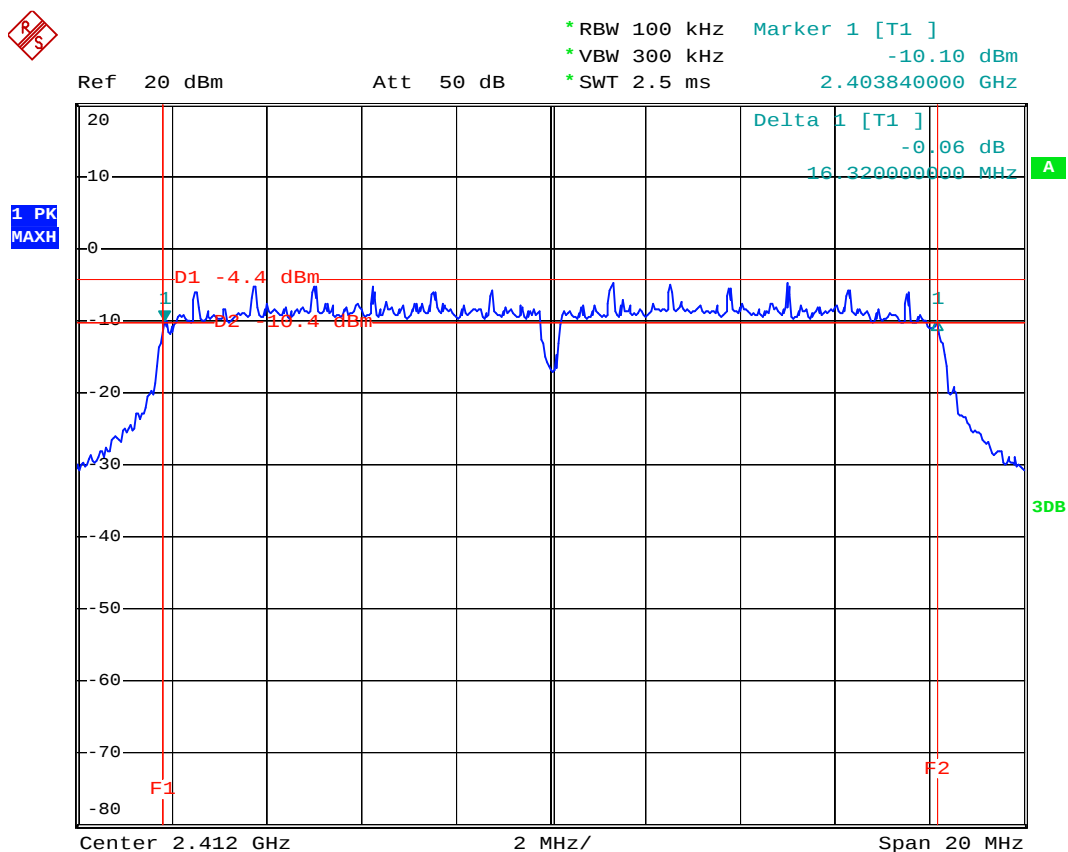
Date: 23.OCT.2012 13:48:54

# 802.11b Channel High 2462MHz



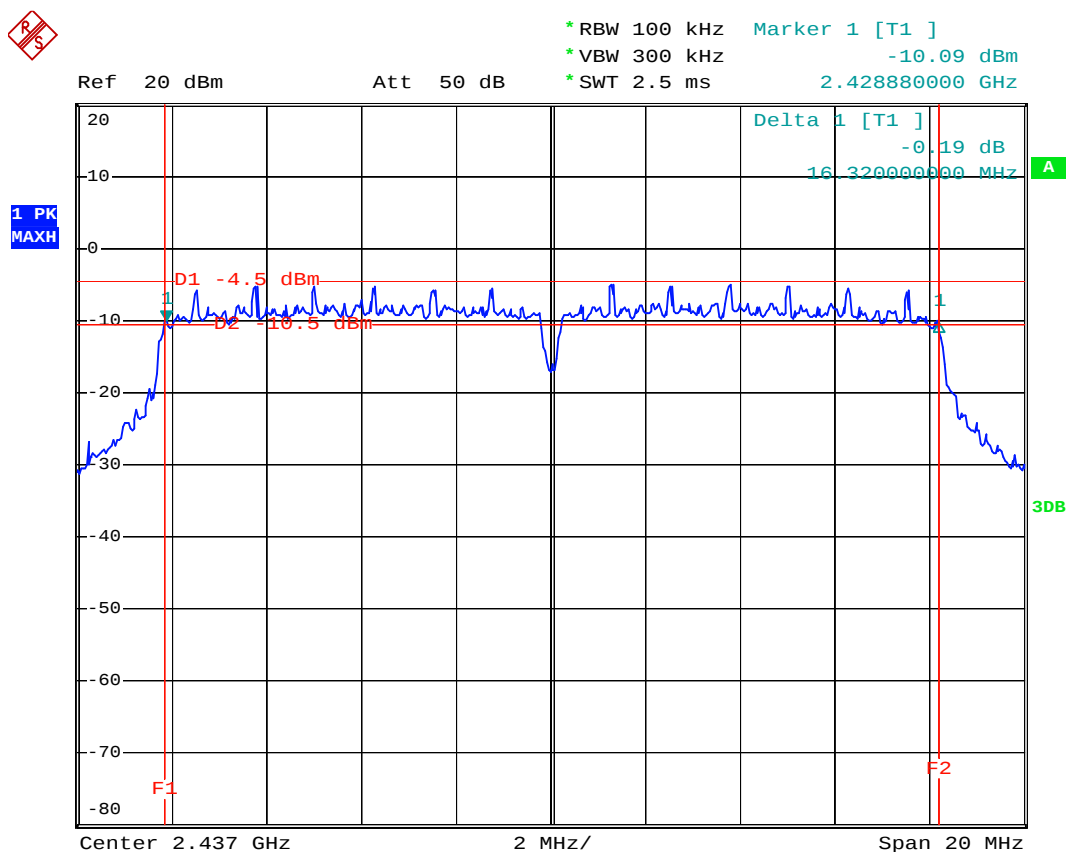
Date: 23.OCT.2012 13:47:31

# 802.11g Channel Low 2412MHz



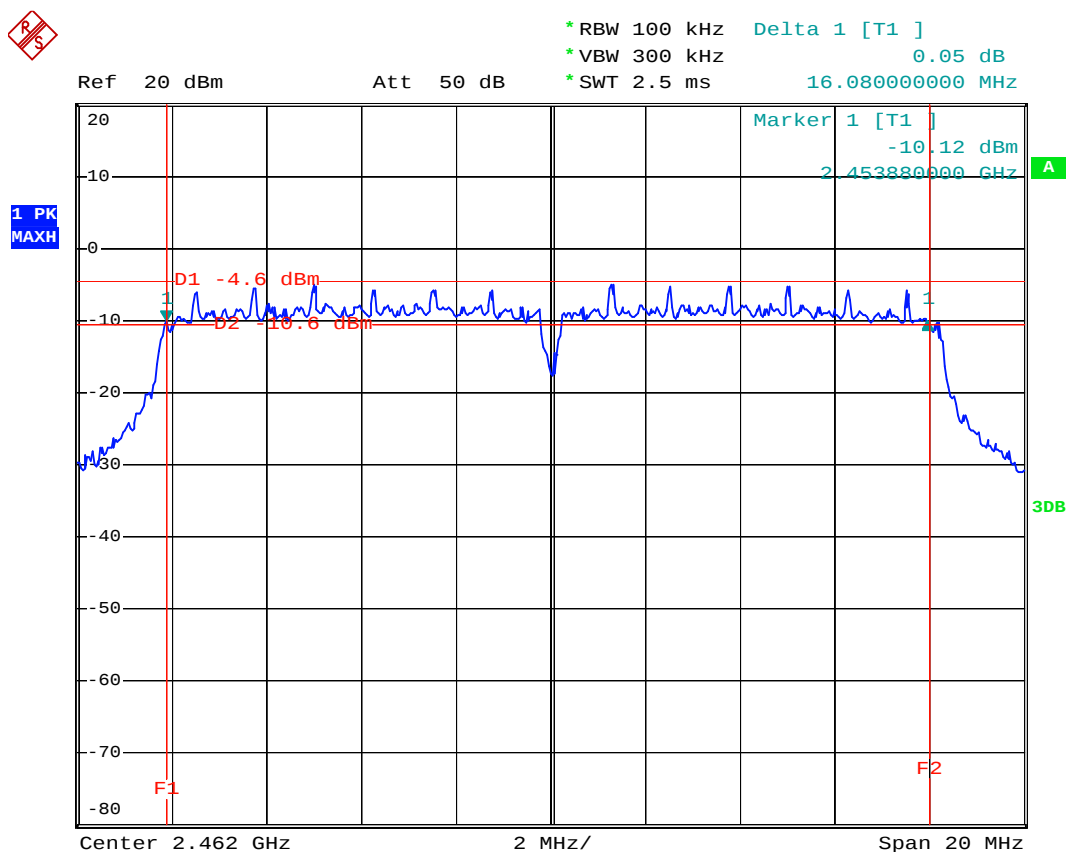
Date: 23.OCT.2012 13:54:22

# 802.11g Channel Middle 2437MHz



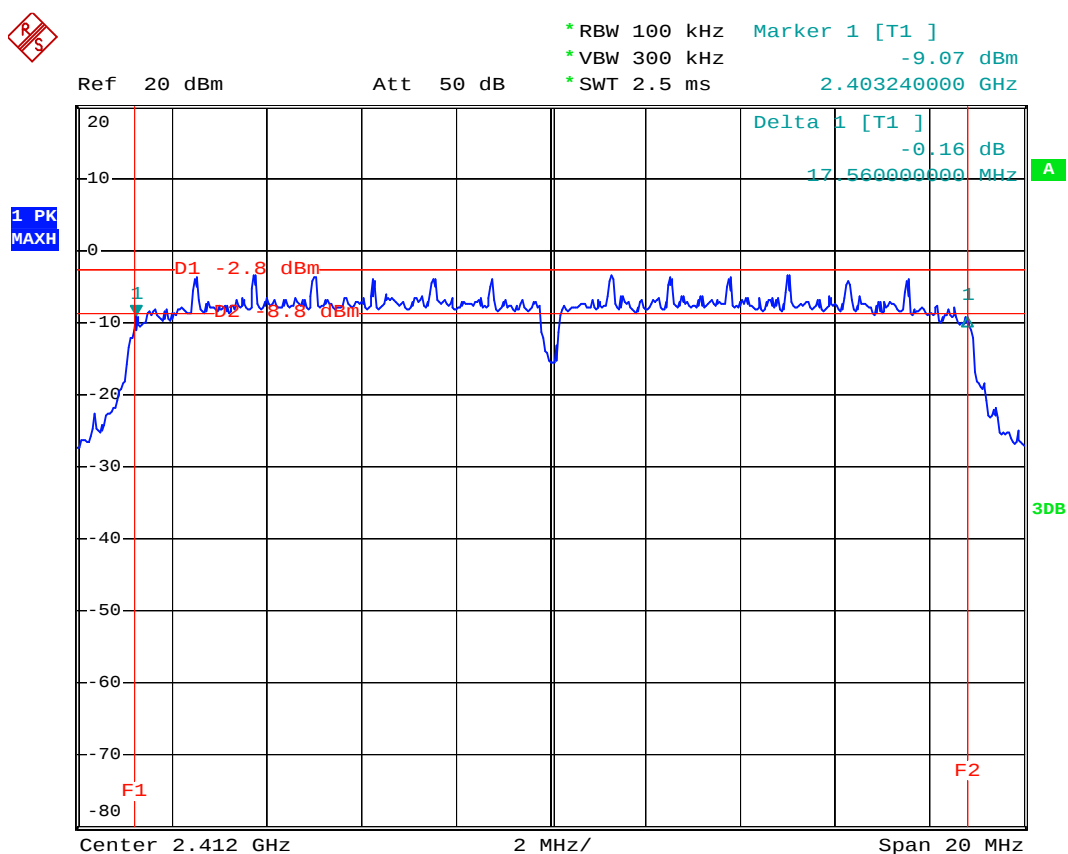
Date: 23.OCT.2012 13:55:47

# 802.11g Channel High 2462MHz



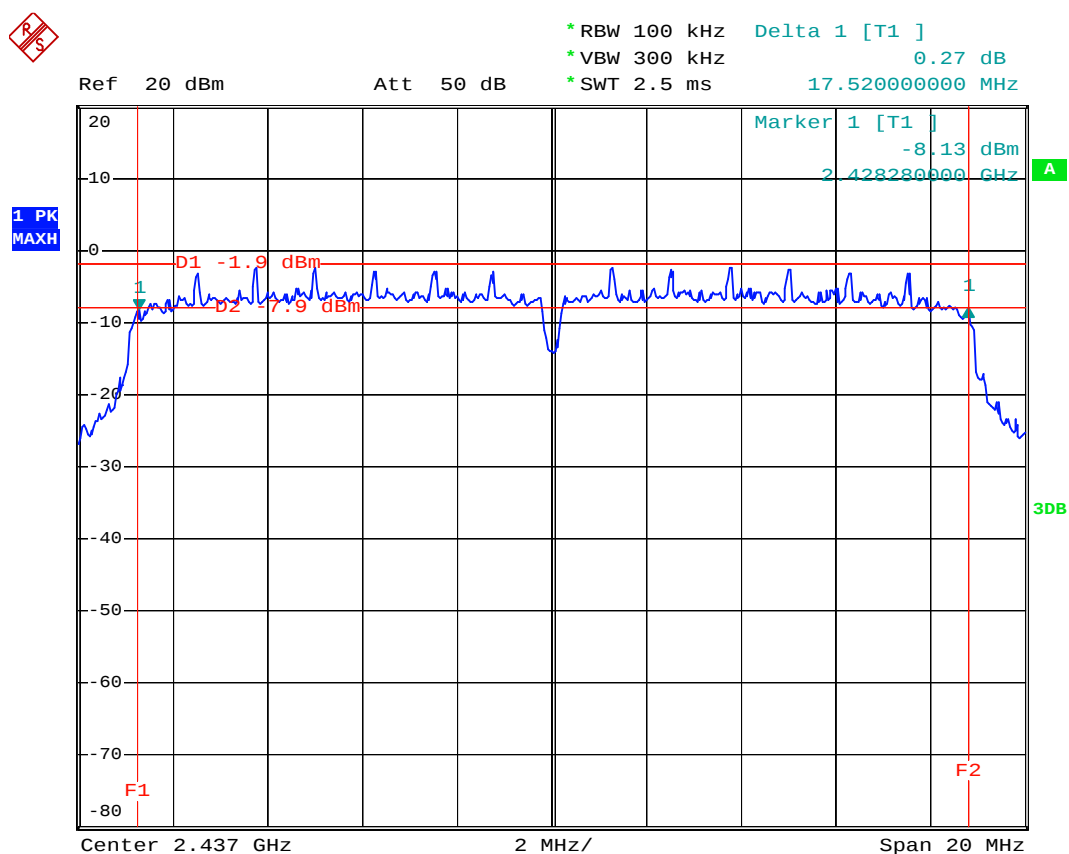
Date: 23.OCT.2012 13:57:27

# 802.11n Channel Low 2412MHz (20MHz)



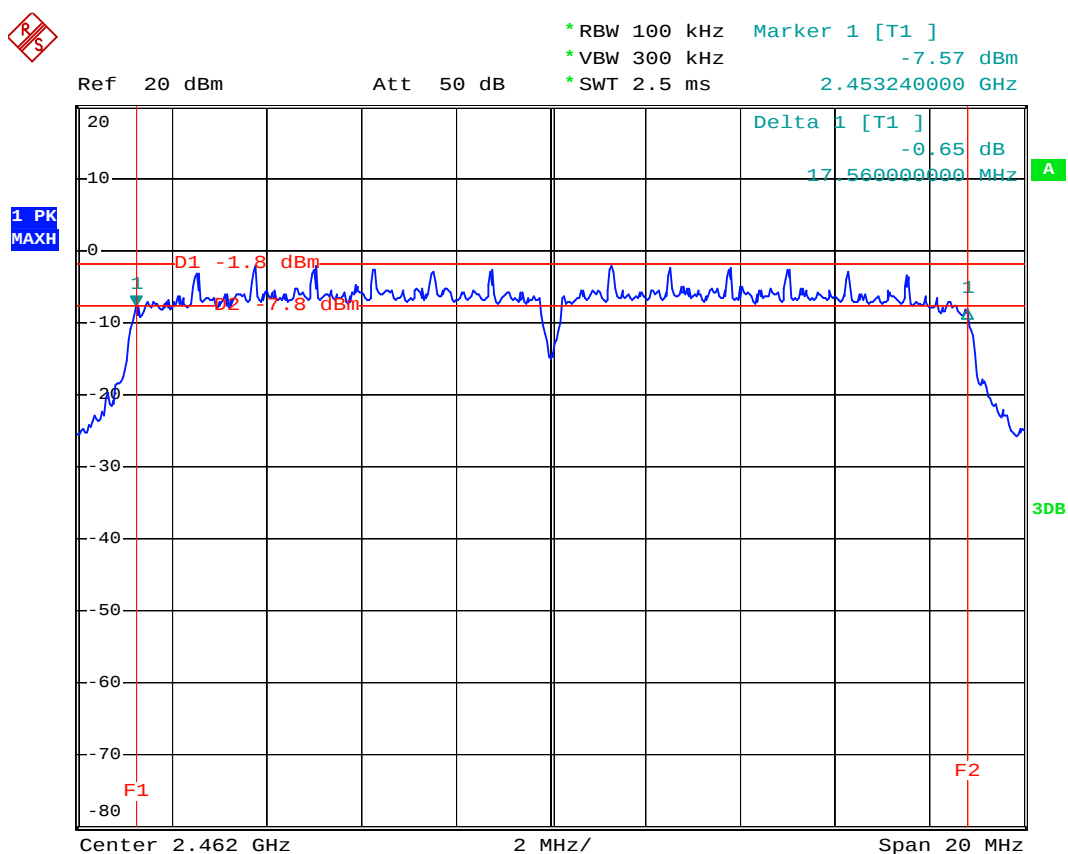
Date: 23.OCT.2012 14:03:44

## 802.11n Channel Middle 2437MHz(20MHz)



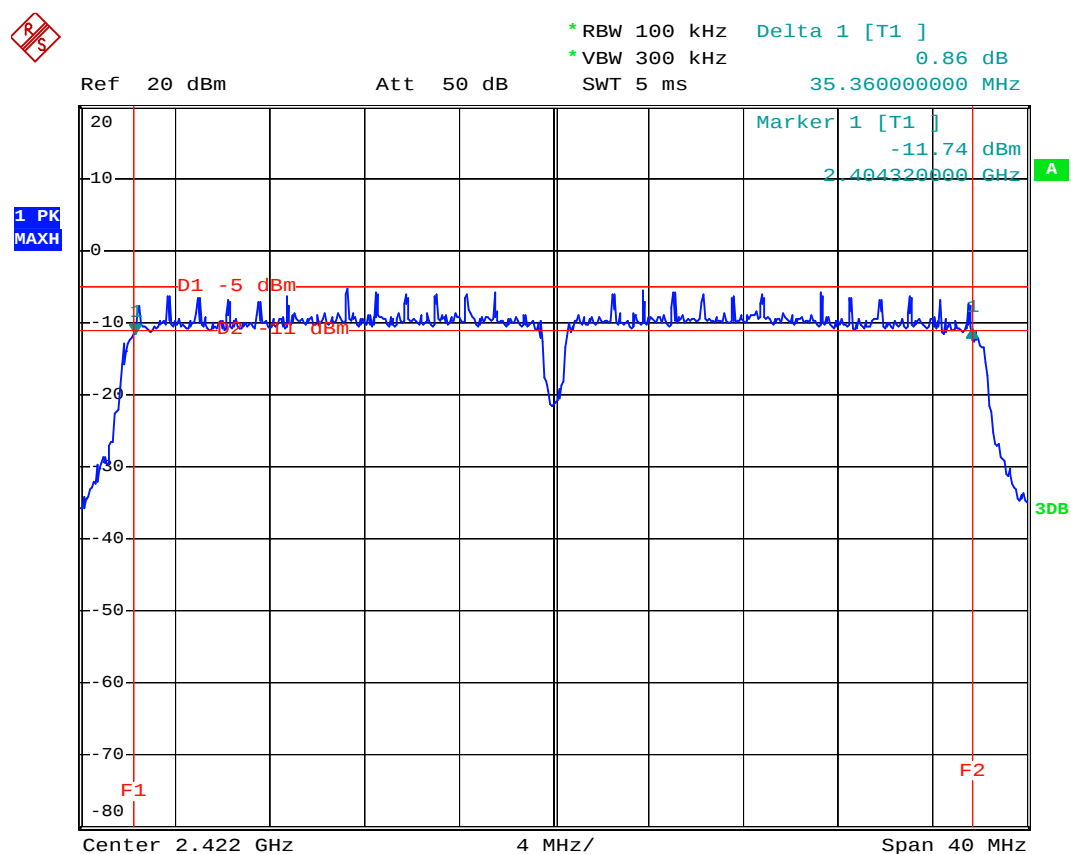
Date: 23.OCT.2012 14:01:21

# 802.11n Channel High 2462MHz(20MHz)



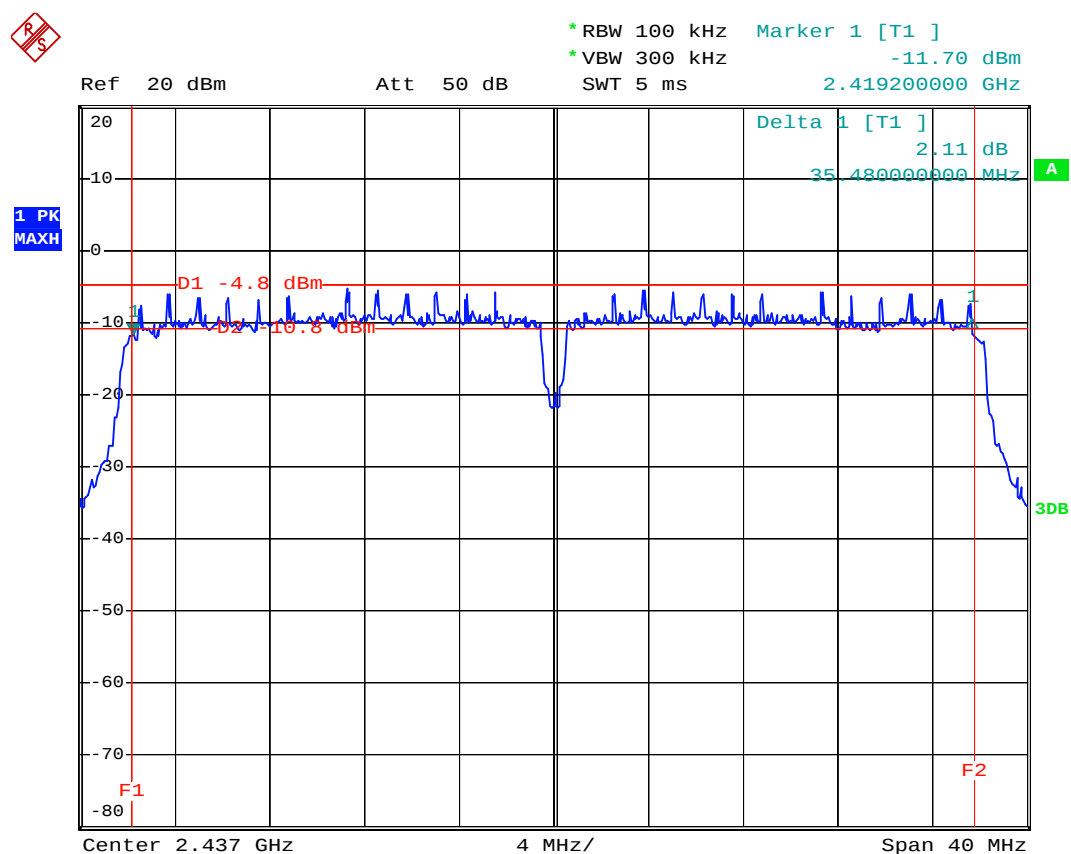
Date: 23.OCT.2012 14:00:10

## 802.11n Channel Low 2422MHz (40MHz)



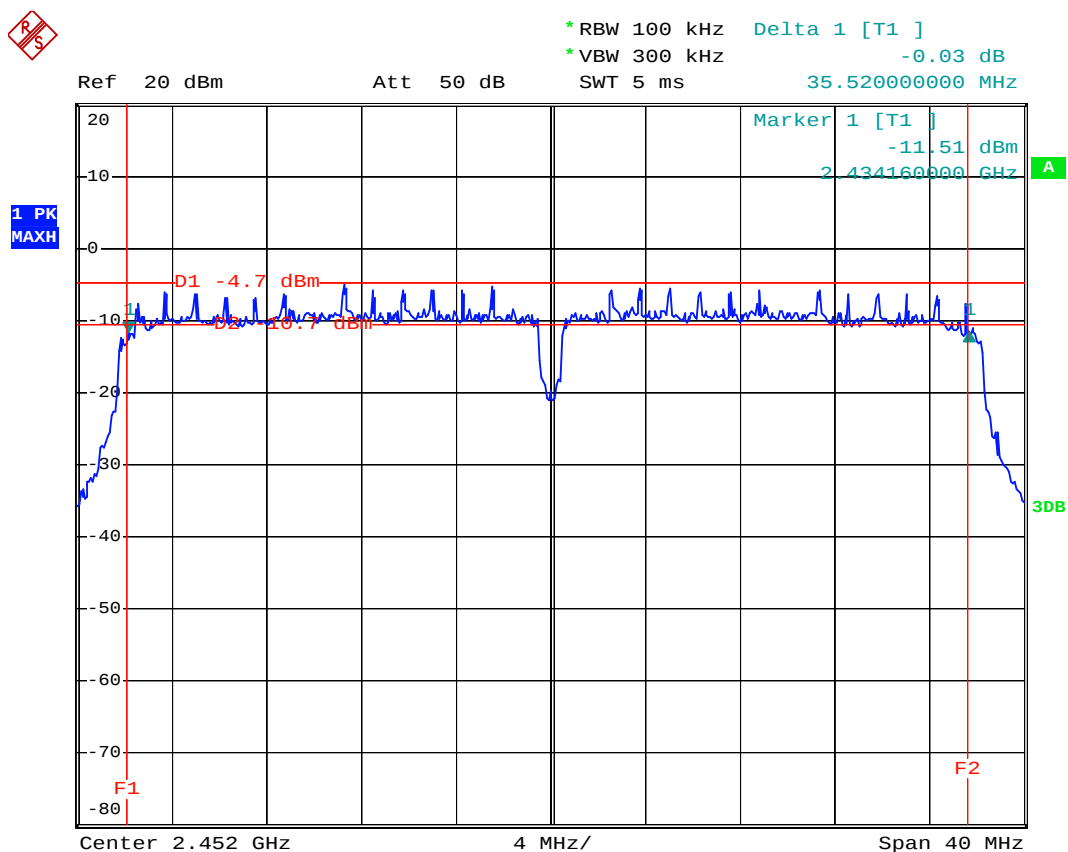
Date: 23.OCT.2012 14:10:24

# 802.11n Channel Middle 2437MHz(40MHz)



Date: 23.OCT.2012 14:16:18

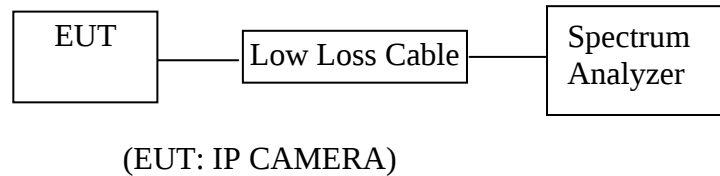
# 802.11n Channel High 2452MHz(40MHz)



Date: 23.OCT.2012 14:14:34

## 6. MAXIMUM PEAK OUTPUT POWER

### 6.1. Block Diagram of Test Setup



### 6.2. The Requirement For Section 15.247(b)(3)

Section 15.247(b)(3): For systems using digital modulation in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands: 1 Watt.

### 6.3. EUT Configuration on Measurement

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

#### 6.3.1. IP CAMERA (EUT)

|               |   |                 |
|---------------|---|-----------------|
| Model Number  | : | XPY320          |
| Serial Number | : | N/A             |
| Manufacturer  | : | NEXXT SOLUTIONS |

### 6.4. Operating Condition of EUT

6.4.1. Setup the EUT and simulator as shown as Section 6.1.

6.4.2. Turn on the power of all equipment.

6.4.3. 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.

## 6.5. Test Procedure

6.5.1. The EUT was tested according to DTS test procedure of October 04, 2012 KDB558074 D01 DTS Meas Guidance v02 for compliance to FCC 47CFR 15.247 requirements.

6.5.2. The transmitter output was connected to the spectrum analyzer through a low loss cable.

6.5.3. Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz.

6.5.4. Measurement the maximum peak output power.

## 6.6. Test Result

**PASS.**

|               |                  |                |              |
|---------------|------------------|----------------|--------------|
| Date of Test: | October 23, 2012 | Temperature:   | 25°C         |
| EUT:          | IP CAMERA        | Humidity:      | 50%          |
| Model No.:    | XPY320           | Power Supply:  | AC 120V/60HZ |
| Test Mode:    | TX               | Test Engineer: | Pei          |

The test was performed with 802.11b

| Channel | Frequency (MHz) | Peak Output Power (dBm) | Peak Output Power (mW) | Limits dBm / W |
|---------|-----------------|-------------------------|------------------------|----------------|
| Low     | 2412            | 12.05                   | 16.03                  | 30 dBm / 1 W   |
| Middle  | 2437            | 12.90                   | 19.50                  | 30 dBm / 1 W   |
| High    | 2462            | 12.45                   | 17.58                  | 30 dBm / 1 W   |

The test was performed with 802.11g

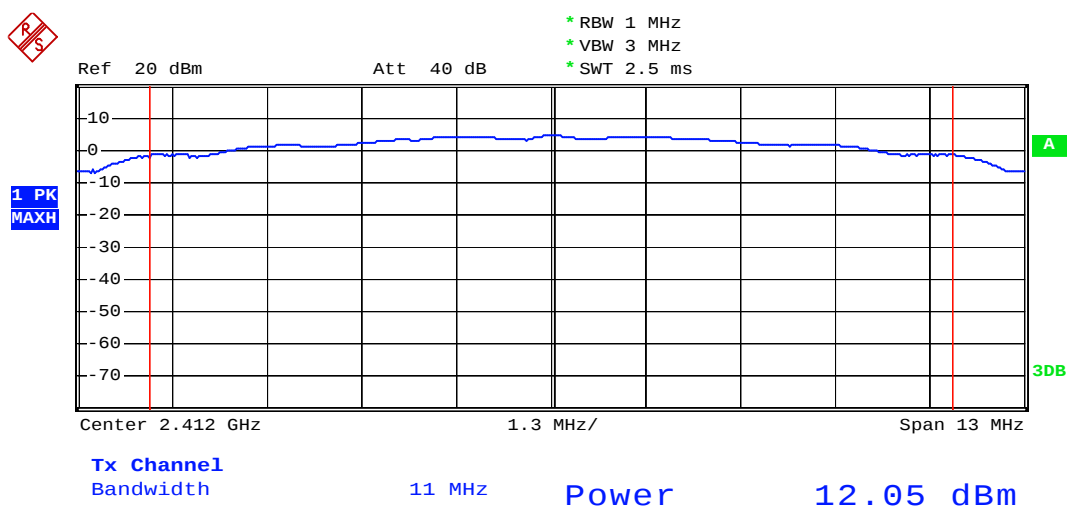
| Channel | Frequency (MHz) | Peak Output Power (dBm) | Peak Output Power (mW) | Limits dBm / W |
|---------|-----------------|-------------------------|------------------------|----------------|
| Low     | 2412            | 13.21                   | 20.94                  | 30 dBm / 1 W   |
| Middle  | 2437            | 13.19                   | 20.84                  | 30 dBm / 1 W   |
| High    | 2462            | 12.84                   | 19.23                  | 30 dBm / 1 W   |

| The test was performed with 802.11n (20MHz) |                 |                         |                        |                |
|---------------------------------------------|-----------------|-------------------------|------------------------|----------------|
| Channel                                     | Frequency (MHz) | Peak Output Power (dBm) | Peak Output Power (mW) | Limits dBm / W |
| Low                                         | 2412            | 13.40                   | 21.88                  | 30 dBm / 1 W   |
| Middle                                      | 2437            | 12.99                   | 19.91                  | 30 dBm / 1 W   |
| High                                        | 2462            | 12.95                   | 19.72                  | 30 dBm / 1 W   |

| The test was performed with 802.11n (40MHz) |                 |                         |                        |                |
|---------------------------------------------|-----------------|-------------------------|------------------------|----------------|
| Channel                                     | Frequency (MHz) | Peak Output Power (dBm) | Peak Output Power (mW) | Limits dBm / W |
| Low                                         | 2422            | 12.84                   | 19.23                  | 30 dBm / 1 W   |
| Middle                                      | 2437            | 13.28                   | 21.28                  | 30 dBm / 1 W   |
| High                                        | 2452            | 13.83                   | 24.15                  | 30 dBm / 1 W   |

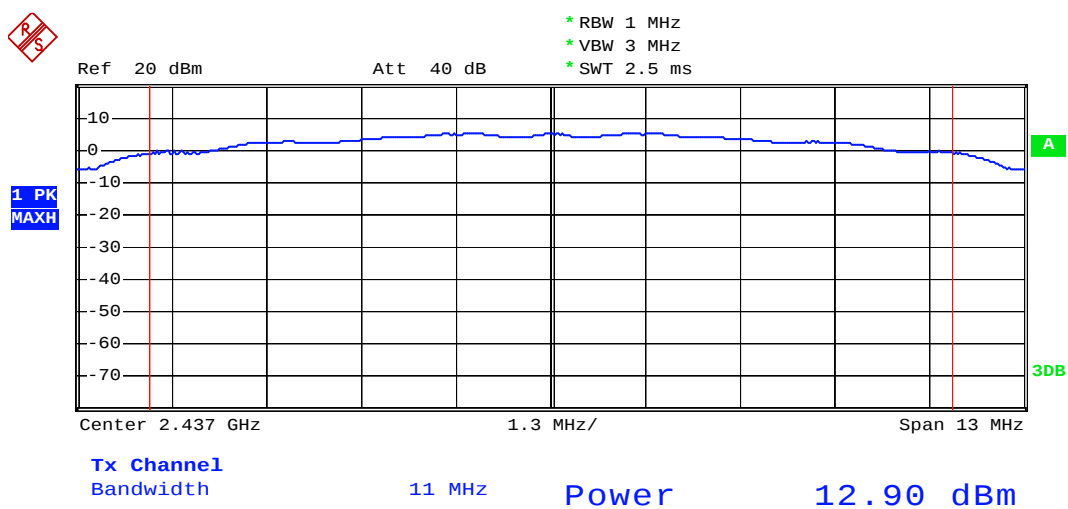
The spectrum analyzer plots are attached as below.

# 802.11b Channel Low 2412MHz



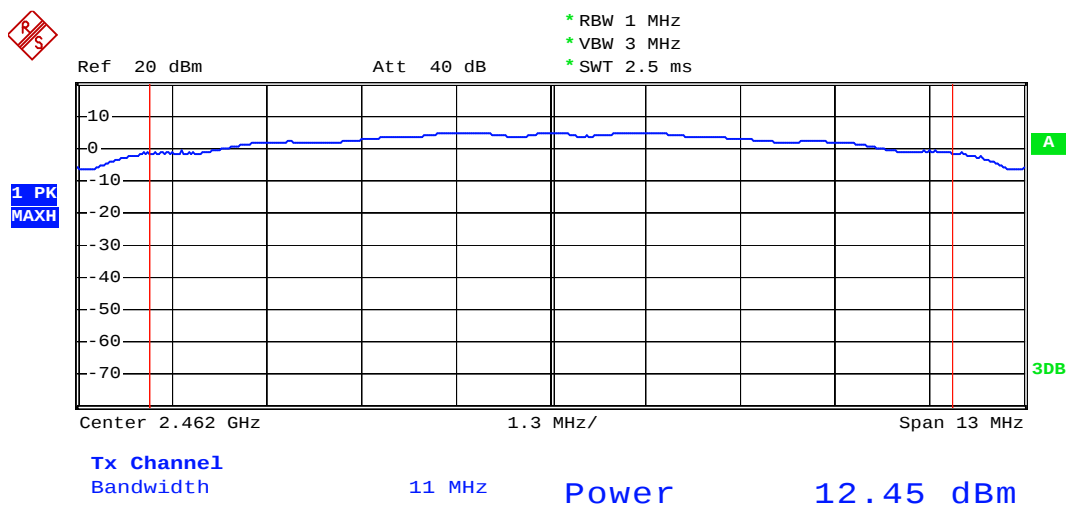
Date: 23.OCT.2012 14:24:21

# 802.11b Channel Middle 2437MHz



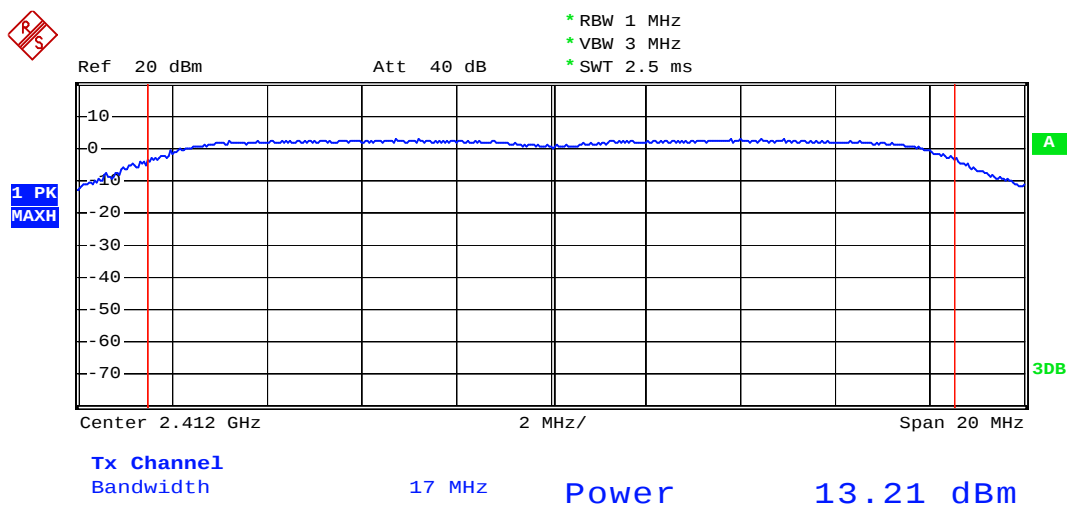
Date: 23.OCT.2012 14:24:59

# 802.11b Channel High 2462MHz



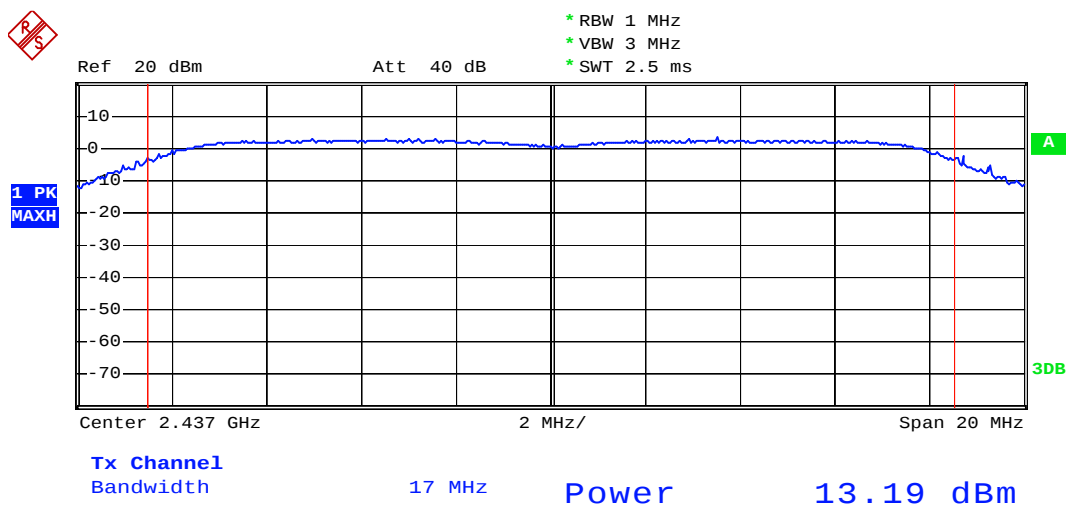
Date: 23.OCT.2012 14:26:10

# 802.11g Channel Low 2412MHz



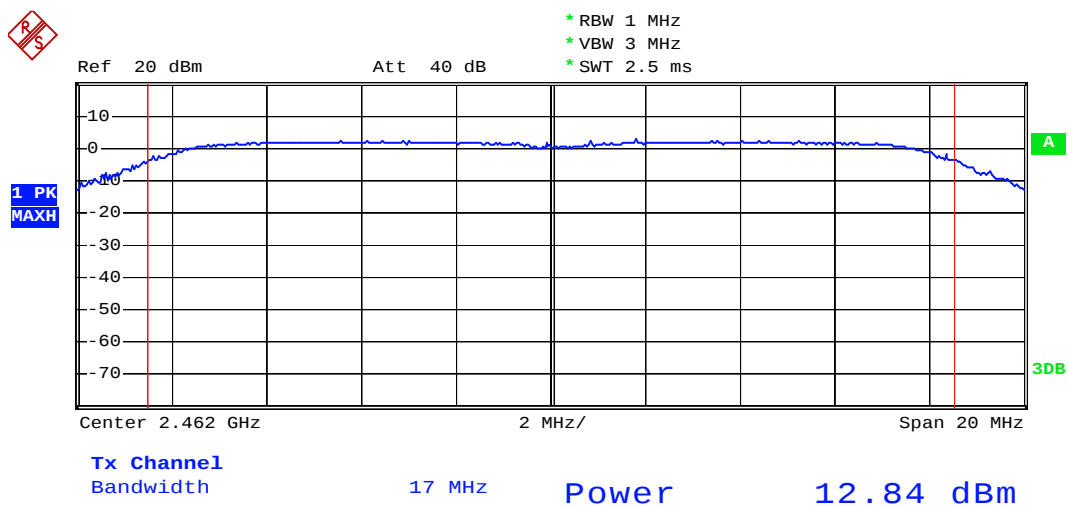
Date: 23.OCT.2012 14:31:37

# 802.11g Channel Middle 2437MHz



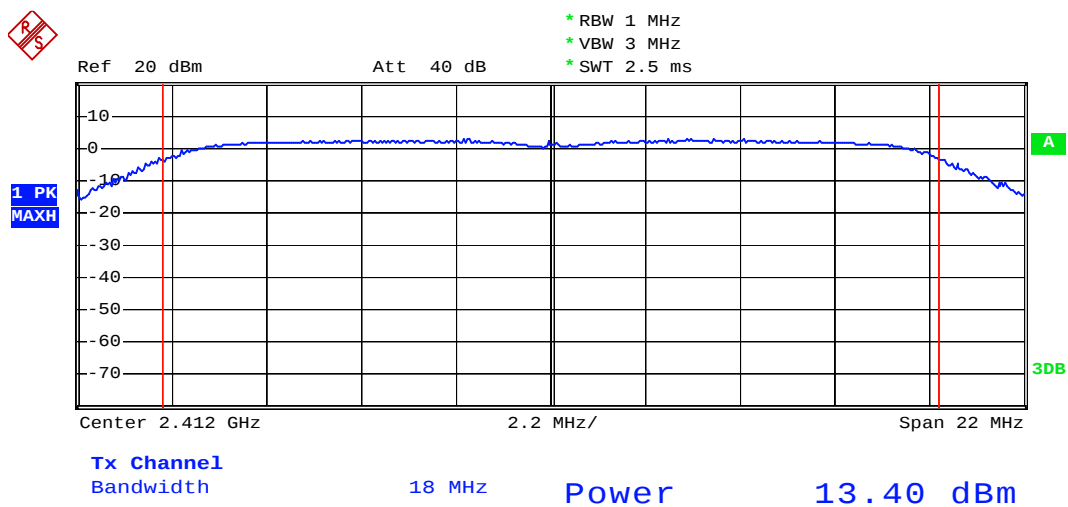
Date: 23.OCT.2012 14:30:24

# 802.11g Channel High 2462MHz



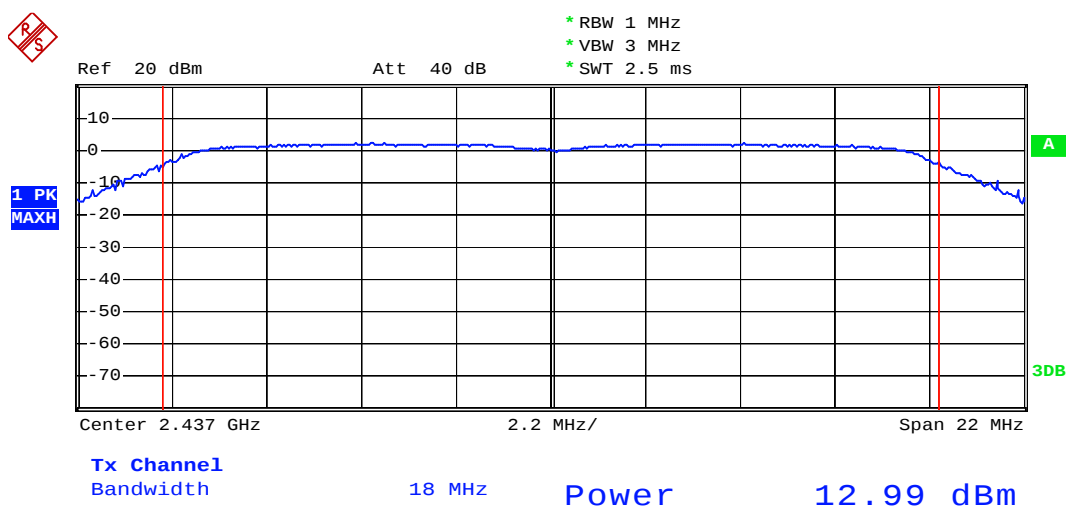
Date: 23.OCT.2012 14:29:48

# 802.11n Channel Low 2412MHz (20MHz)



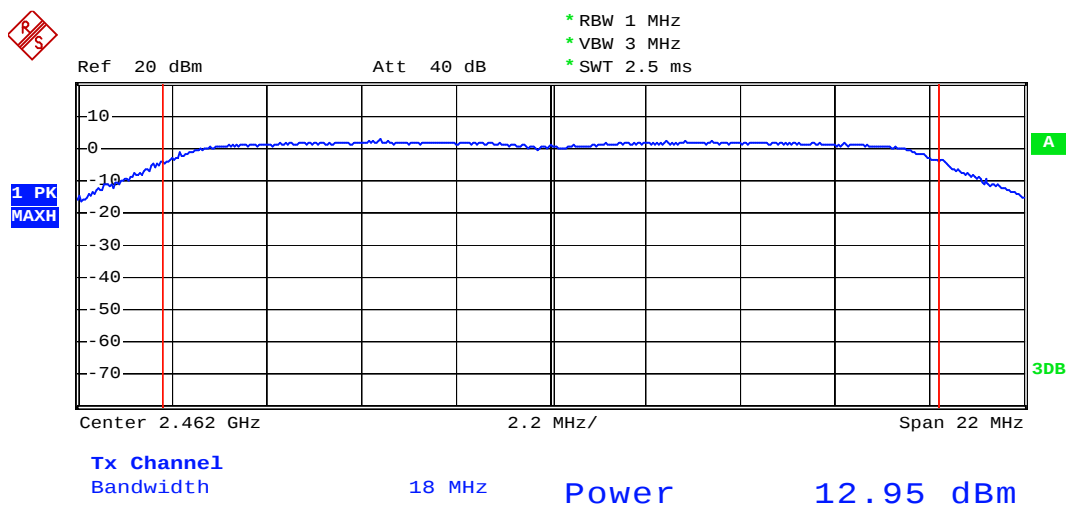
Date: 23.OCT.2012 14:33:36

# 802.11n Channel Middle 2437MHz (20MHz)



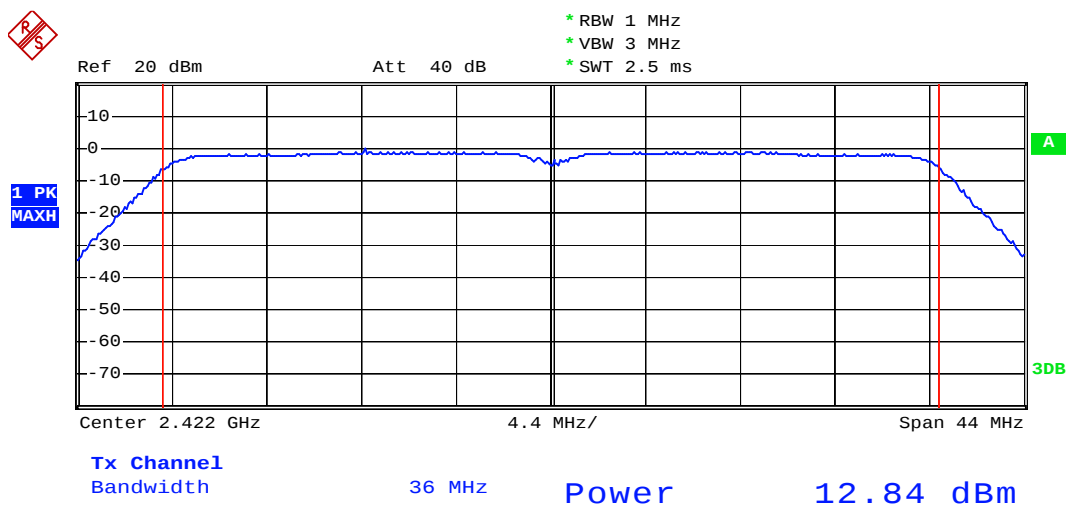
Date: 23.OCT.2012 14:34:04

# 802.11n Channel High 2462MHz (20MHz)



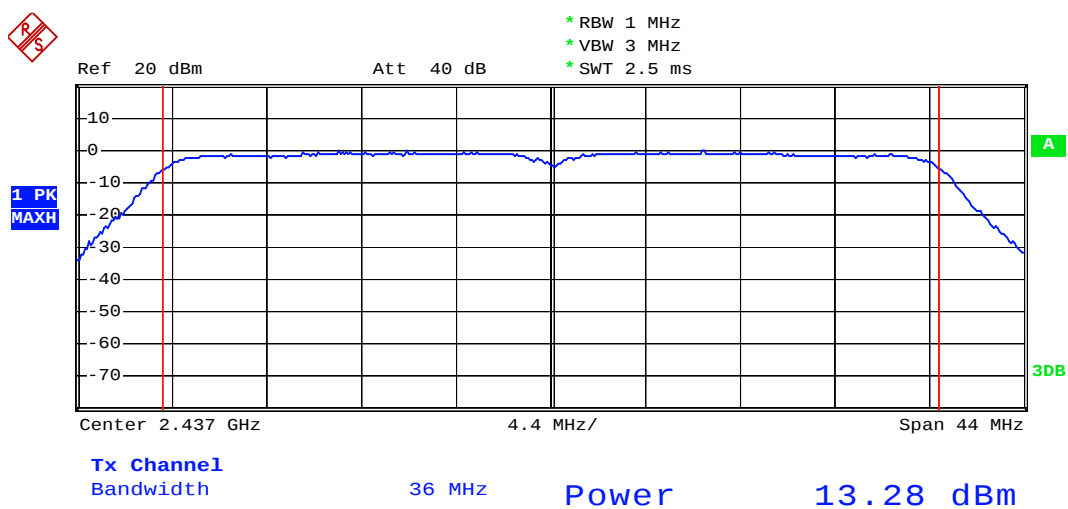
Date: 23.OCT.2012 14:35:17

# 802.11n Channel Low 2422MHz (40MHz)



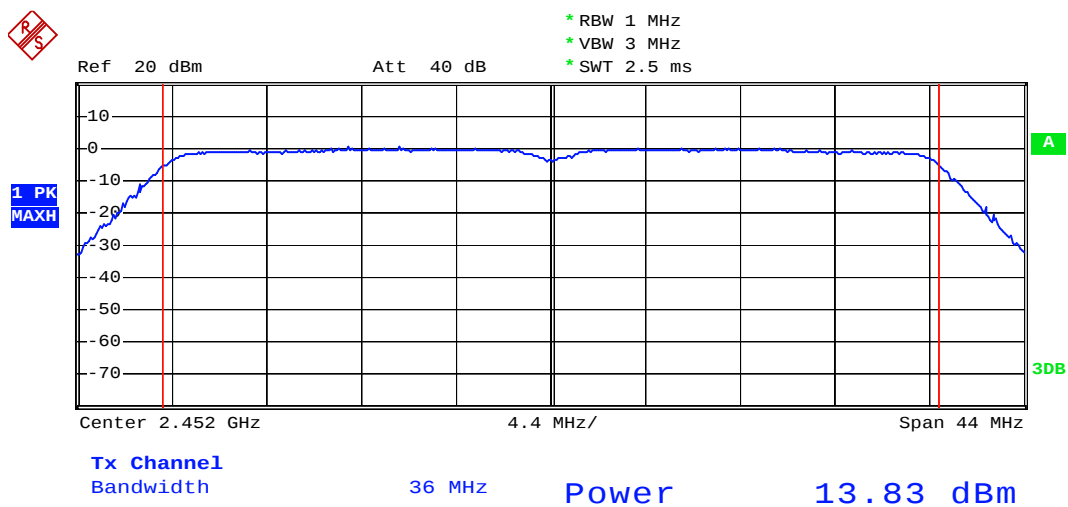
Date: 23.OCT.2012 14:37:49

# 802.11n Channel Middle 2437MHz (40MHz)



Date: 23.OCT.2012 14:38:26

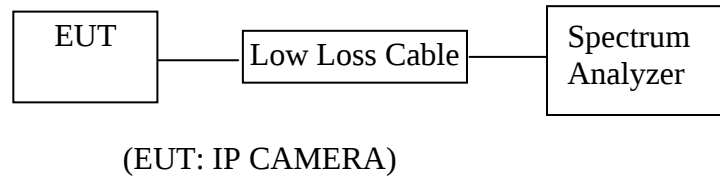
# 802.11n Channel High 2452MHz (40MHz)



Date: 23.OCT.2012 14:39:18

## 7. POWER SPECTRAL DENSITY MEASUREMENT

### 7.1. Block Diagram of Test Setup



### 7.2. The Requirement For Section 15.247(e)

Section 15.247(e): For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

### 7.3. EUT Configuration on Measurement

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

#### 7.3.1. IP CAMERA (EUT)

|               |   |                 |
|---------------|---|-----------------|
| Model Number  | : | XPY320          |
| Serial Number | : | N/A             |
| Manufacturer  | : | NEXXT SOLUTIONS |

### 7.4. Operating Condition of EUT

7.4.1. Setup the EUT and simulator as shown as Section 7.1.

7.4.2. Turn on the power of all equipment.

7.4.3. 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.

## 7.5. Test Procedure

7.5.1. The EUT was tested according to DTS test procedure of October 04, 2012 KDB558074 D01 DTS Meas Guidance v02 for compliance to FCC 47CFR 15.247 requirements.

7.5.2. The transmitter output was connected to the spectrum analyzer through a low loss cable.

### 7.5.3. Measurement Procedure PKPSD:

This procedure must be used if maximum peak conducted output power was used to demonstrate compliance to the fundamental output power limit, and is optional if the maximum (average) conducted output power was used to demonstrate compliance.

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS channel bandwidth.
3. Set the RBW  $\geq$  3 kHz.
4. Set the VBW  $\geq$  3 x RBW.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

7.5.4. Measurement the maximum power spectral density.

## 7.6. Test Result

**PASS.**

|               |                  |                |              |
|---------------|------------------|----------------|--------------|
| Date of Test: | October 23, 2012 | Temperature:   | 25°C         |
| EUT:          | IP CAMERA        | Humidity:      | 50%          |
| Model No.:    | XPY320           | Power Supply:  | AC 120V/60HZ |
| Test Mode:    | TX               | Test Engineer: | Pei          |

The test was performed with 802.11b

| Channel | Frequency (MHz) | Power Spectral Density (dBm) | Limits (dBm) |
|---------|-----------------|------------------------------|--------------|
| Low     | 2412            | -14.00                       | 8 dBm        |
| Middle  | 2437            | -14.00                       | 8 dBm        |
| High    | 2462            | -13.47                       | 8 dBm        |

The test was performed with 802.11g

| Channel | Frequency (MHz) | Power Spectral Density (dBm) | Limits (dBm) |
|---------|-----------------|------------------------------|--------------|
| Low     | 2412            | -20.54                       | 8 dBm        |
| Middle  | 2437            | -20.00                       | 8 dBm        |
| High    | 2462            | -20.96                       | 8 dBm        |

The test was performed with 802.11n (20MHz)

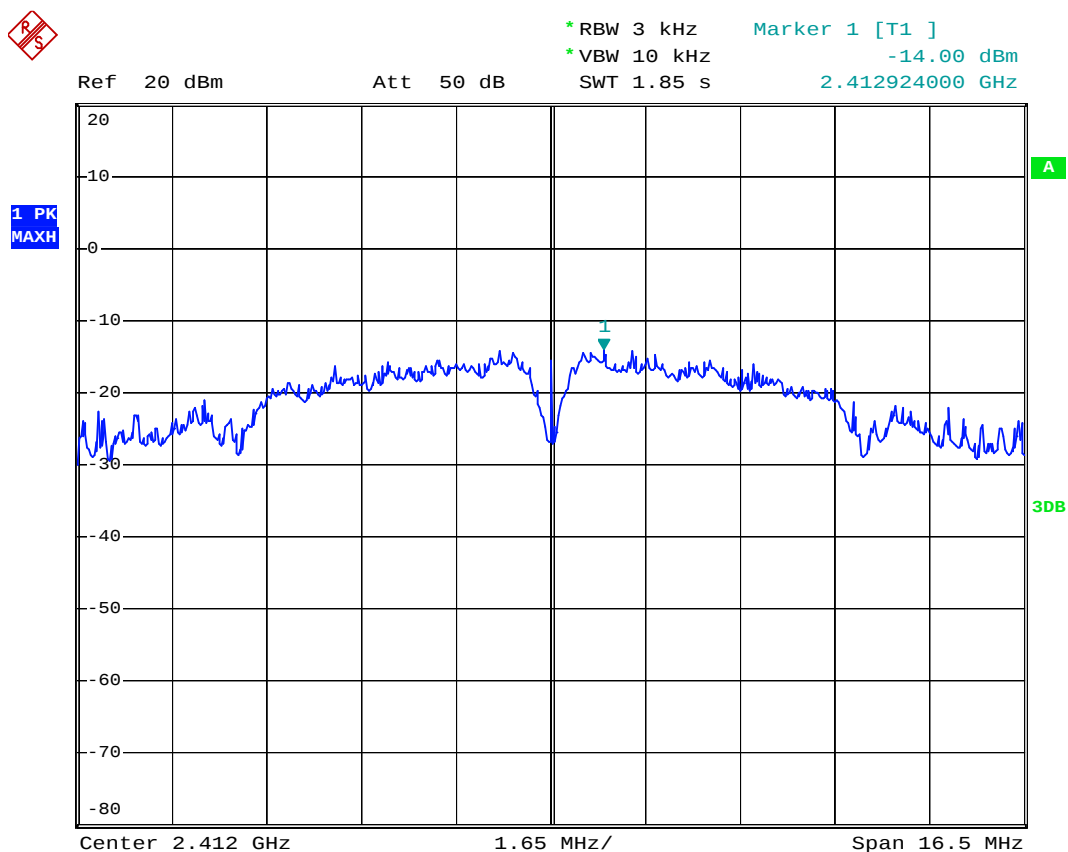
| Channel | Frequency (MHz) | Power Spectral Density (dBm) | Limits (dBm) |
|---------|-----------------|------------------------------|--------------|
| Low     | 2412            | -20.75                       | 8 dBm        |
| Middle  | 2437            | -20.24                       | 8 dBm        |
| High    | 2462            | -22.16                       | 8 dBm        |

The test was performed with 802.11n (40MHz)

| Channel | Frequency (MHz) | Power Spectral Density (dBm) | Limits (dBm) |
|---------|-----------------|------------------------------|--------------|
| Low     | 2422            | -24.68                       | 8 dBm        |
| Middle  | 2437            | -24.85                       | 8 dBm        |
| High    | 2452            | -24.74                       | 8 dBm        |

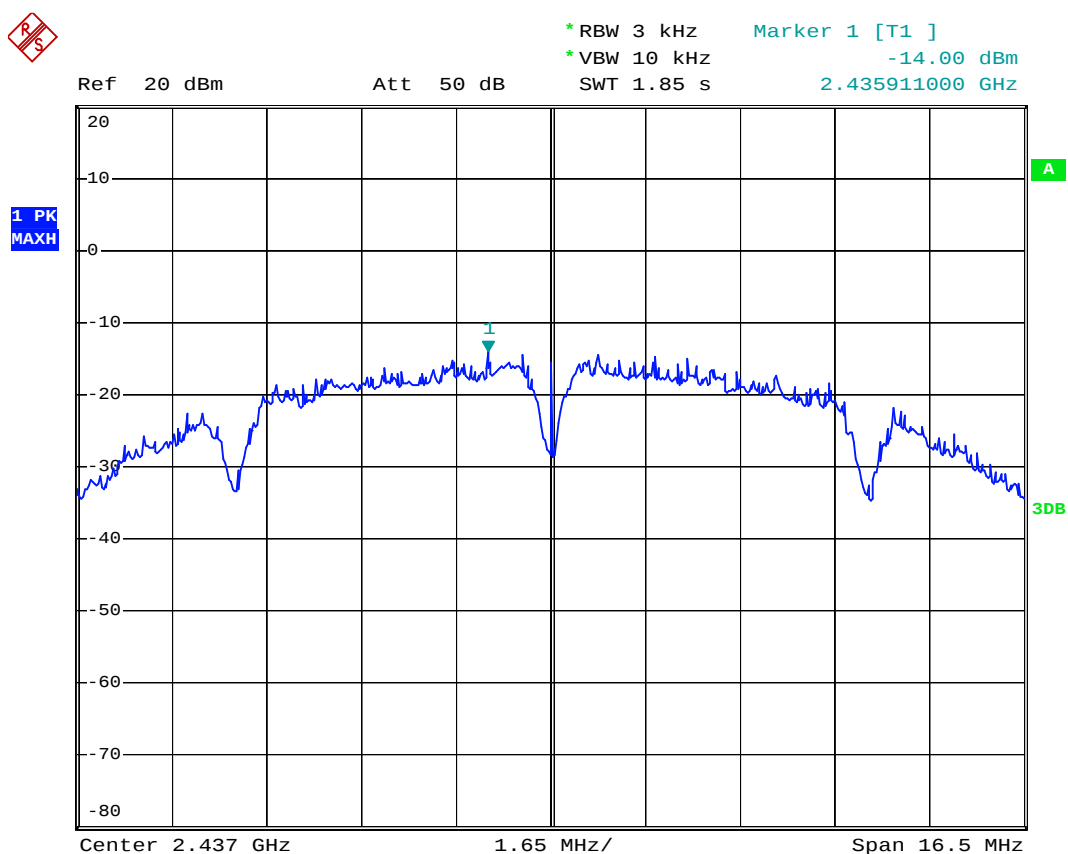
The spectrum analyzer plots are attached as below.

# 802.11b Channel Low 2412MHz



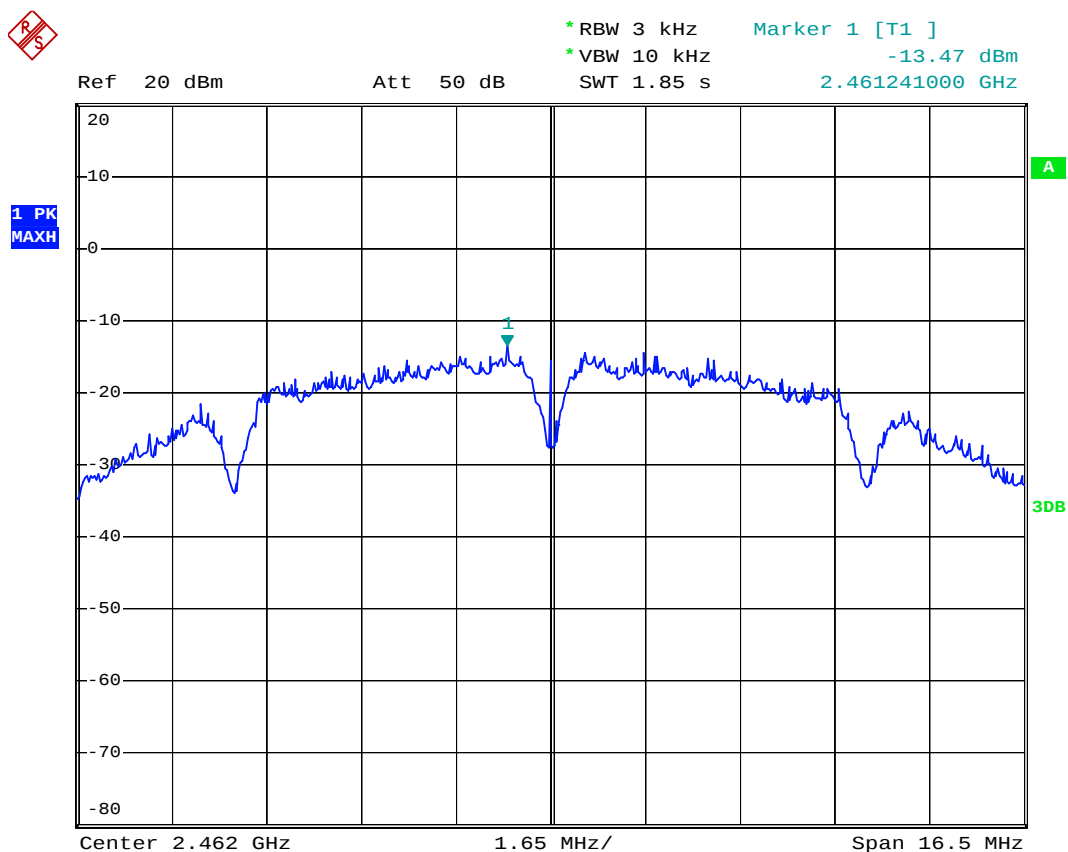
Date: 23.OCT.2012 14:46:47

# 802.11b Channel Middle 2437MHz



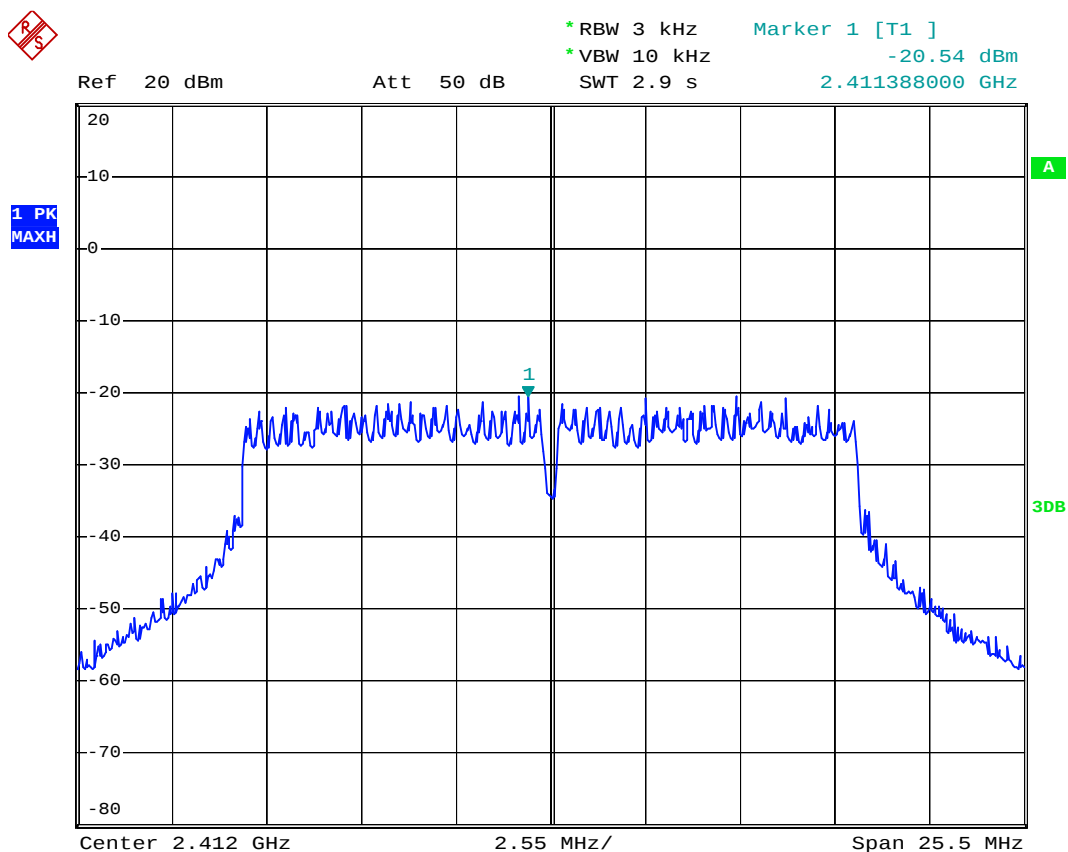
Date: 23.OCT.2012 14:47:40

# 802.11b Channel High 2462MHz



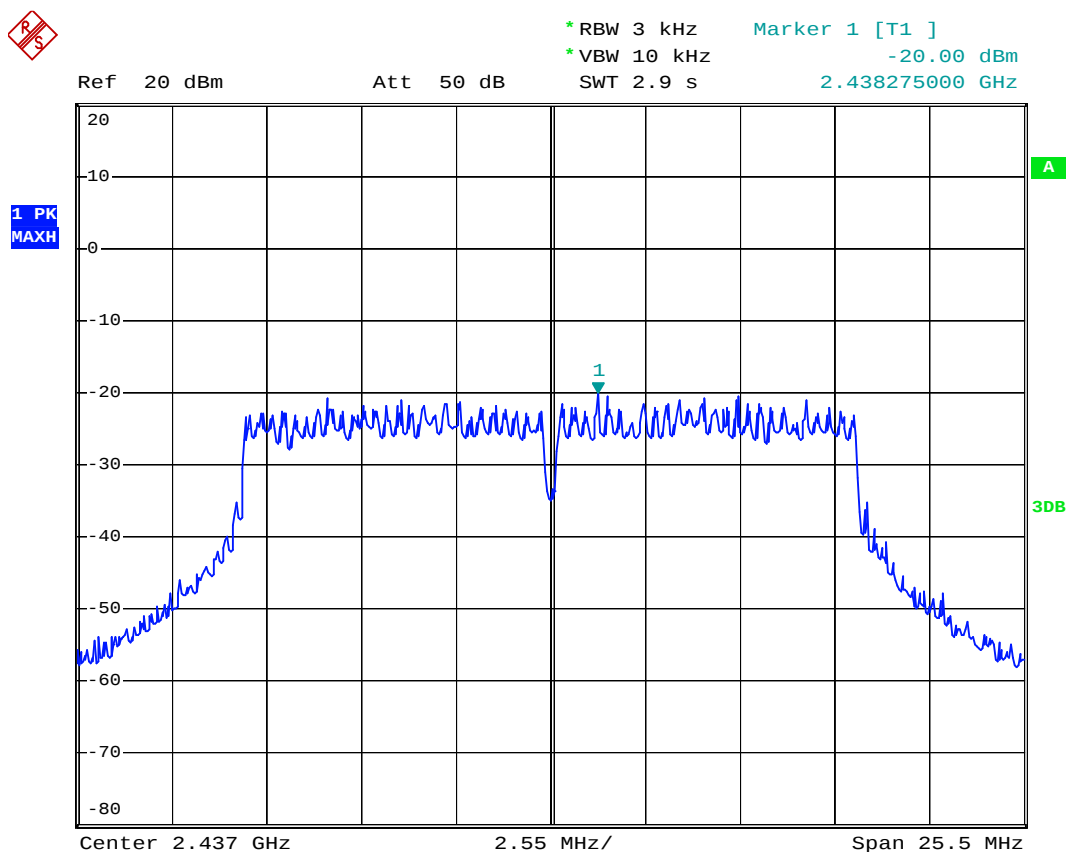
Date: 23.OCT.2012 14:49:03

# 802.11g Channel Low 2412MHz



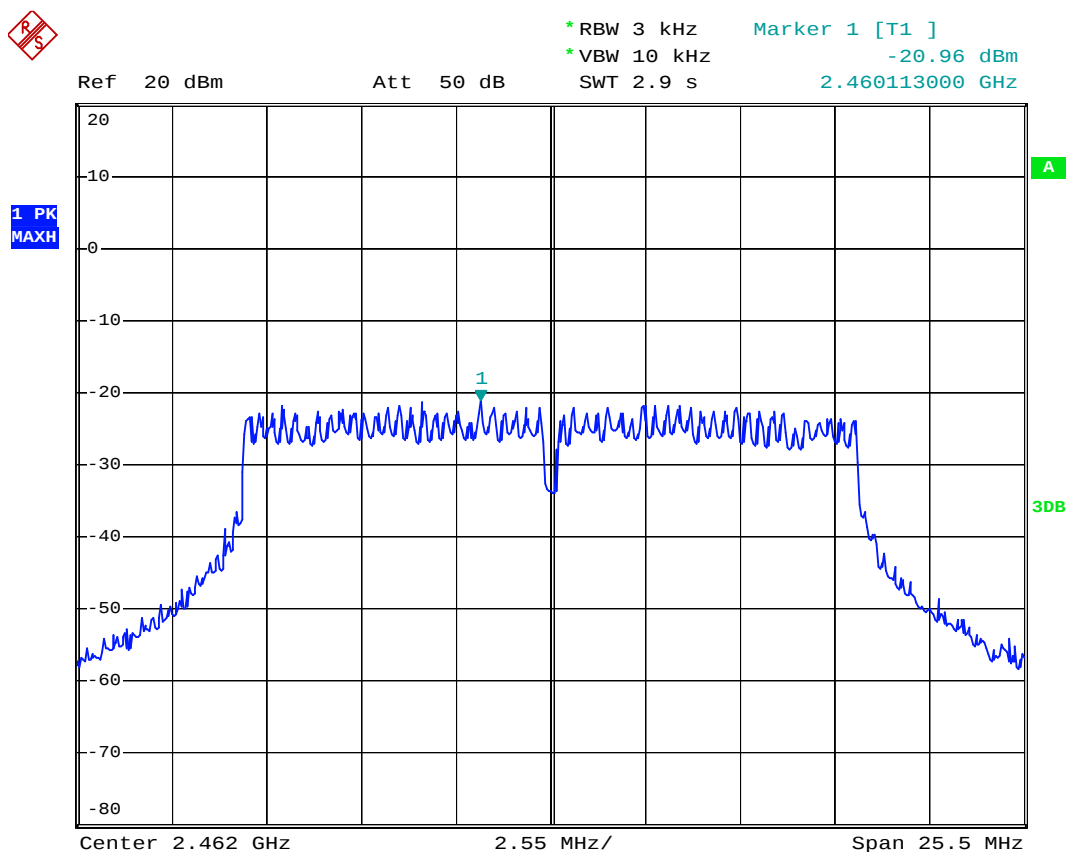
Date: 23.OCT.2012 14:52:25

# 802.11g Channel Middle 2437MHz



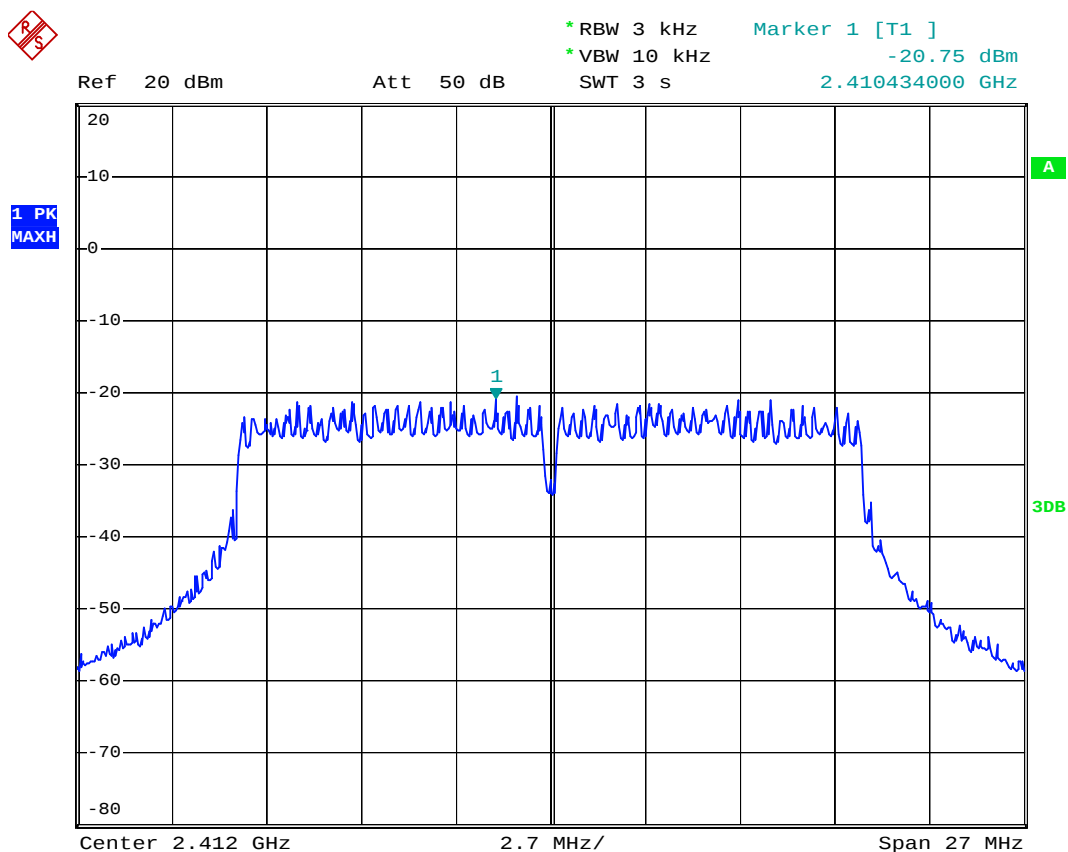
Date: 23.OCT.2012 14:51:38

# 802.11g Channel High 2462MHz



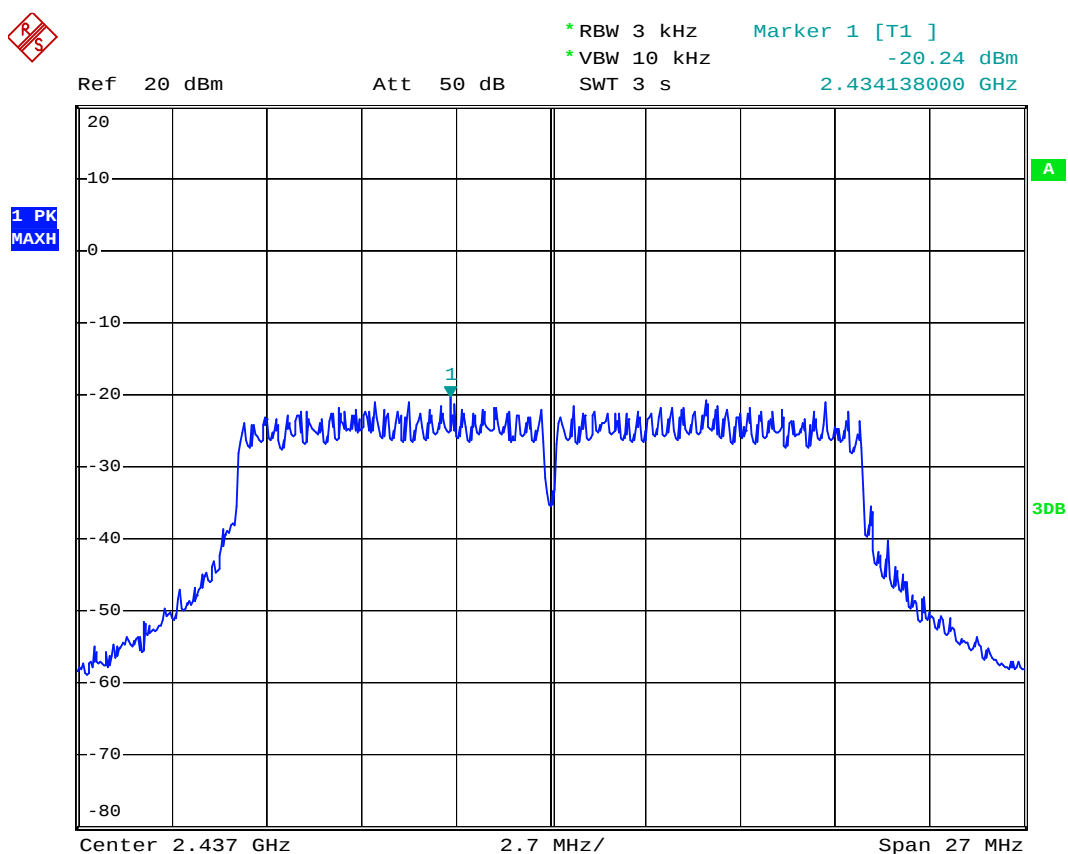
Date: 23.OCT.2012 14:50:46

# 802.11n Channel Low 2412MHz (20MHz)



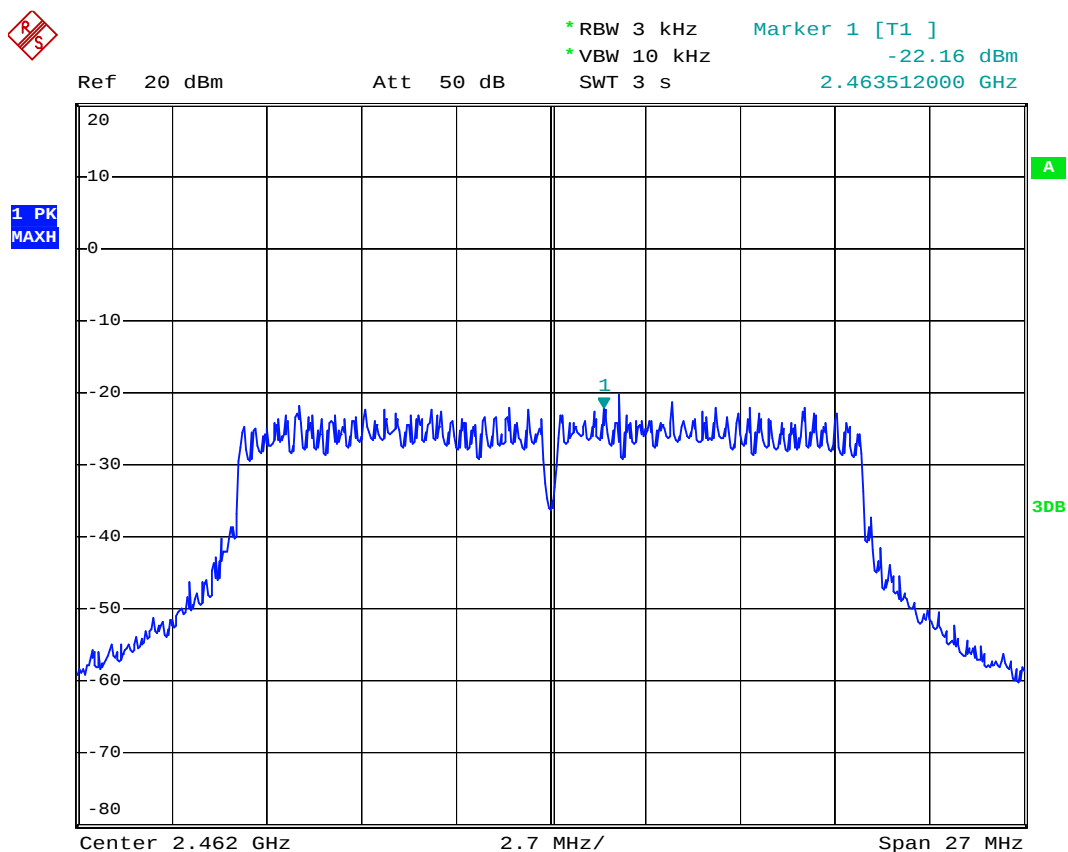
Date: 23.OCT.2012 14:55:14

# 802.11n Channel Middle 2437MHz (20MHz)



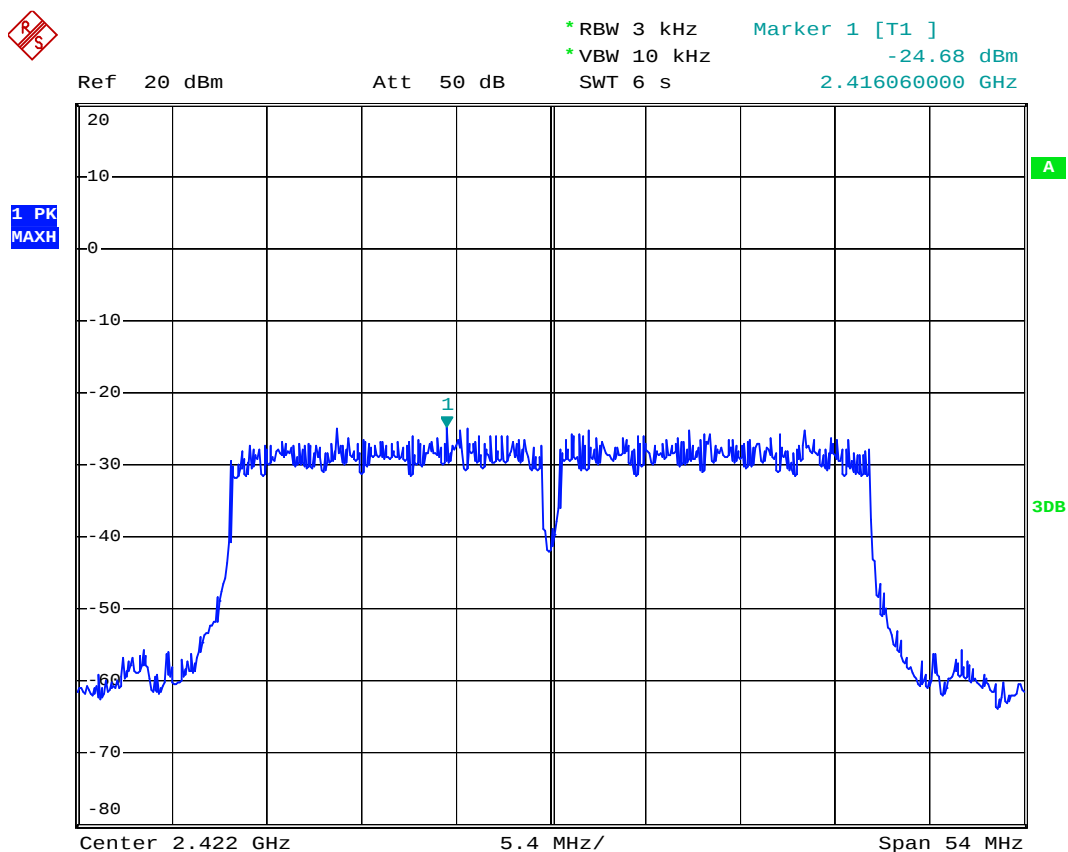
Date: 23.OCT.2012 14:56:20

# 802.11n Channel High 2462MHz(20MHz)



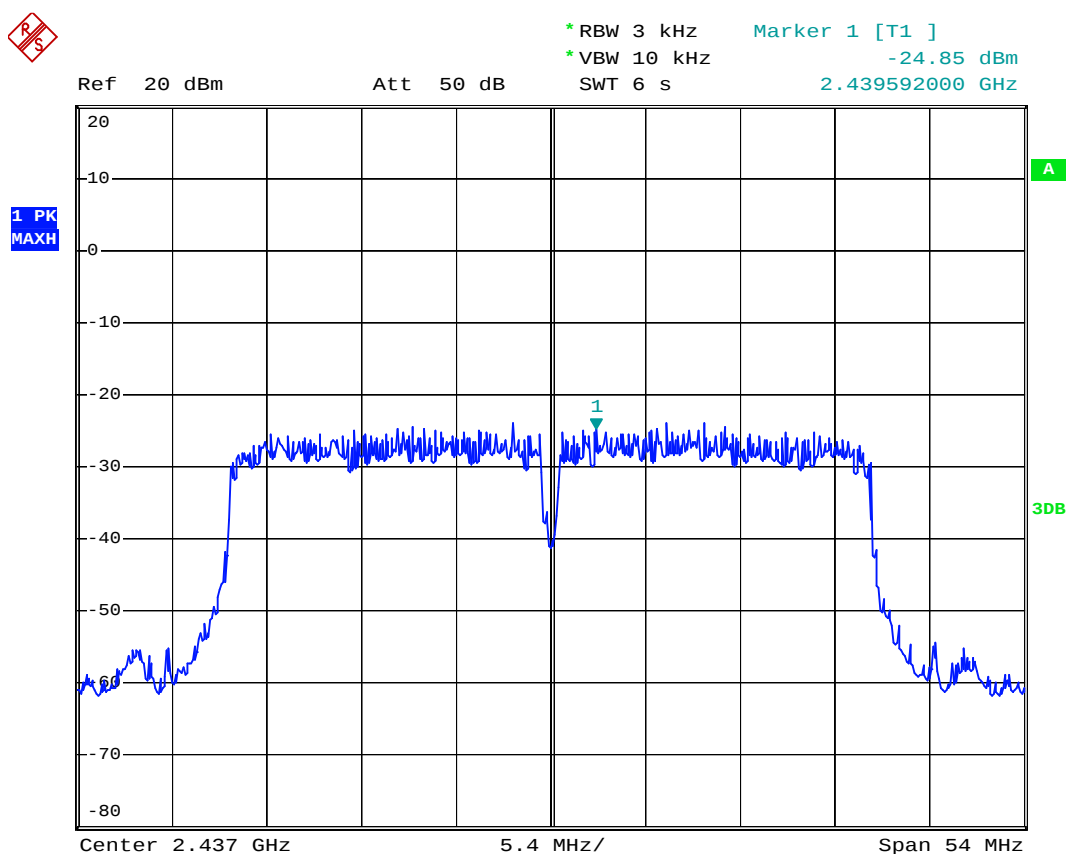
Date: 23.OCT.2012 14:57:31

# 802.11n Channel Low 2422MHz (40MHz)



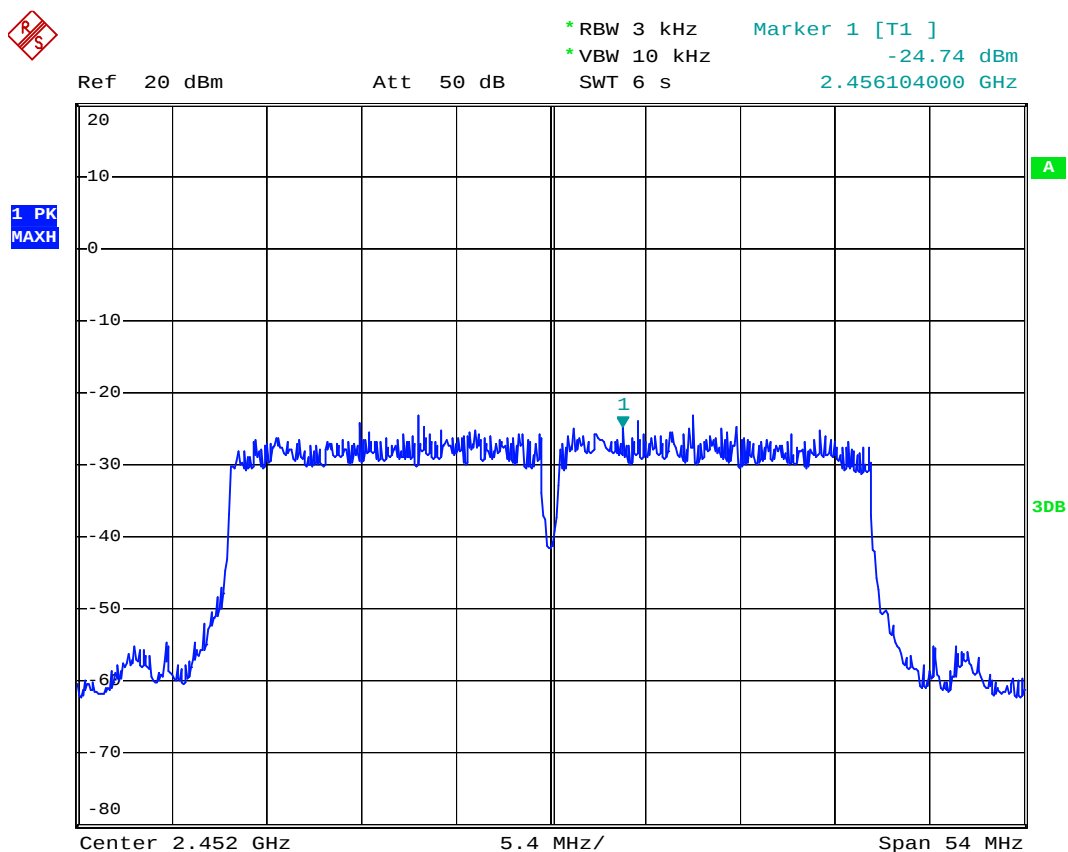
Date: 23.OCT.2012 15:01:33

# 802.11n Channel Middle 2437MHz(40MHz)



Date: 23.OCT.2012 15:00:53

# 802.11n Channel High 2452MHz(40MHz)



Date: 23.OCT.2012 14:59:03

## 8. BAND EDGE COMPLIANCE TEST

### 8.1. Block Diagram of Test Setup



(EUT: IP CAMERA)

### 8.2. The Requirement 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).

### 8.3. EUT Configuration on Measurement

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

#### 8.3.1. IP CAMERA (EUT)

|               |   |                 |
|---------------|---|-----------------|
| Model Number  | : | XPY320          |
| Serial Number | : | N/A             |
| Manufacturer  | : | NEXXT SOLUTIONS |

## 8.4. Operating Condition of EUT

8.4.1. Setup the EUT and simulator as shown as Section 8.1.

8.4.2. Turn on the power of all equipment.

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

## 8.5. Test Procedure

Conducted Band Edge:

8.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.

8.5.2. Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz.

Radiate Band Edge:

8.5.3. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.

8.5.4. The turntable was rotated for 360 degrees to determine the position of maximum emission level.

8.5.5. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

8.5.6. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

RBW=1MHz, VBW=1MHz

8.5.7. The band edges was measured and recorded.

## 8.6. Test Result

**Pass****Conducted test**

|               |                 |                |              |
|---------------|-----------------|----------------|--------------|
| Date of Test: | October 6, 2012 | Temperature:   | 25°C         |
| EUT:          | IP CAMERA       | Humidity:      | 50%          |
| Model No.:    | XPY320          | Power Supply:  | AC 120V/60HZ |
| Test Mode:    | TX              | Test Engineer: | Pei          |

The test was performed with 802.11b

| Frequency<br>(MHz) | Result of Band Edge<br>(dBc) | Limit of Band Edge<br>(dBc) |
|--------------------|------------------------------|-----------------------------|
| 2412               | 41.26                        | > 20dBc                     |
| 2462               | 42.44                        | > 20dBc                     |

The test was performed with 802.11g

| Frequency<br>(MHz) | Result of Band Edge<br>(dBc) | Limit of Band Edge<br>(dBc) |
|--------------------|------------------------------|-----------------------------|
| 2412               | 37.09                        | > 20dBc                     |
| 2462               | 40.94                        | > 20dBc                     |

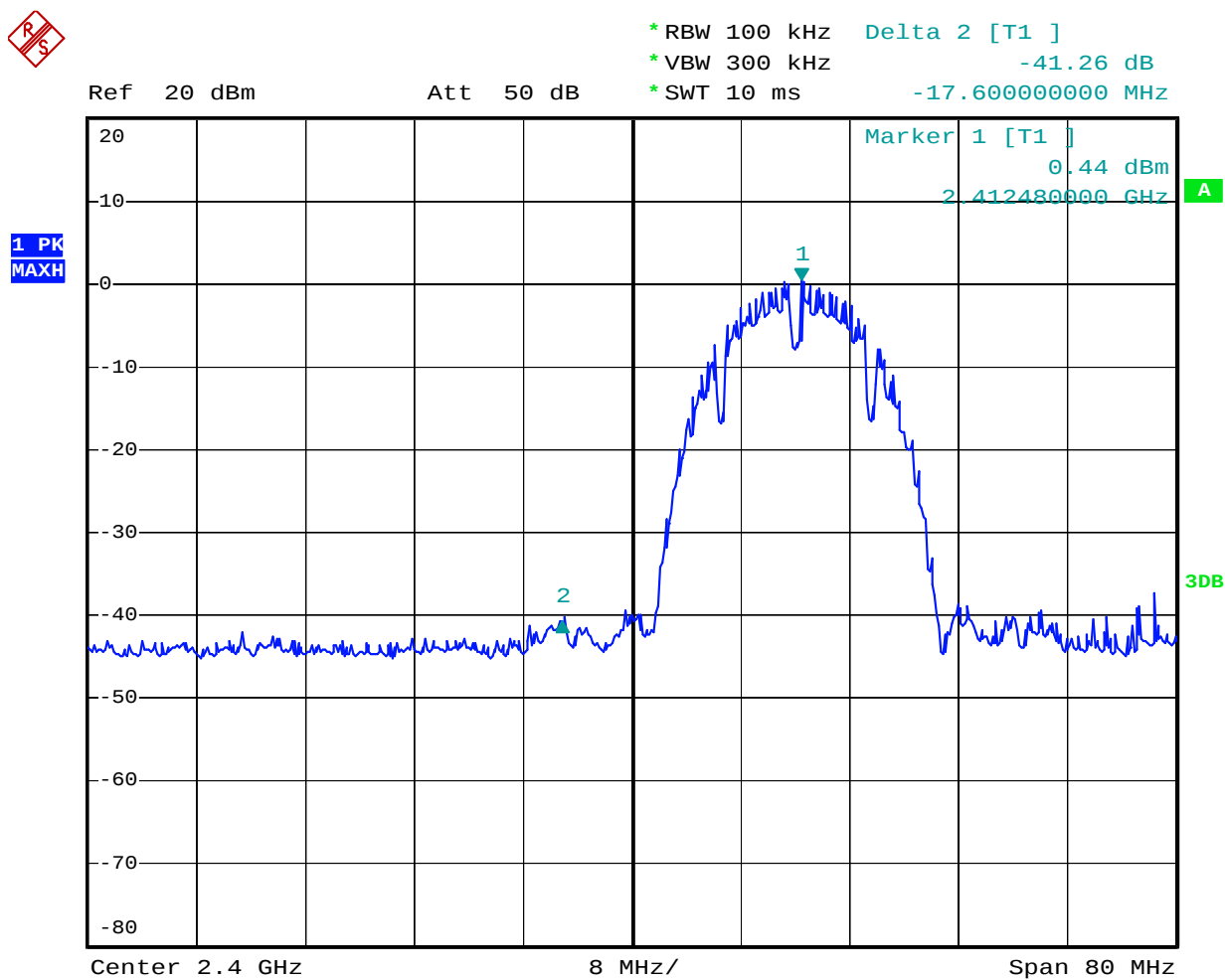
The test was performed with 802.11n (20MHz)

| Frequency<br>(MHz) | Result of Band Edge<br>(dBc) | Limit of Band Edge<br>(dBc) |
|--------------------|------------------------------|-----------------------------|
| 2412               | 33.97                        | > 20dBc                     |
| 2462               | 40.99                        | > 20dBc                     |

The test was performed with 802.11n (40MHz)

| Frequency<br>(MHz) | Result of Band Edge<br>(dBc) | Limit of Band Edge<br>(dBc) |
|--------------------|------------------------------|-----------------------------|
| 2422               | 31.04                        | > 20dBc                     |
| 2452               | 37.04                        | > 20dBc                     |

# 802.11b Channel Low 2412MHz

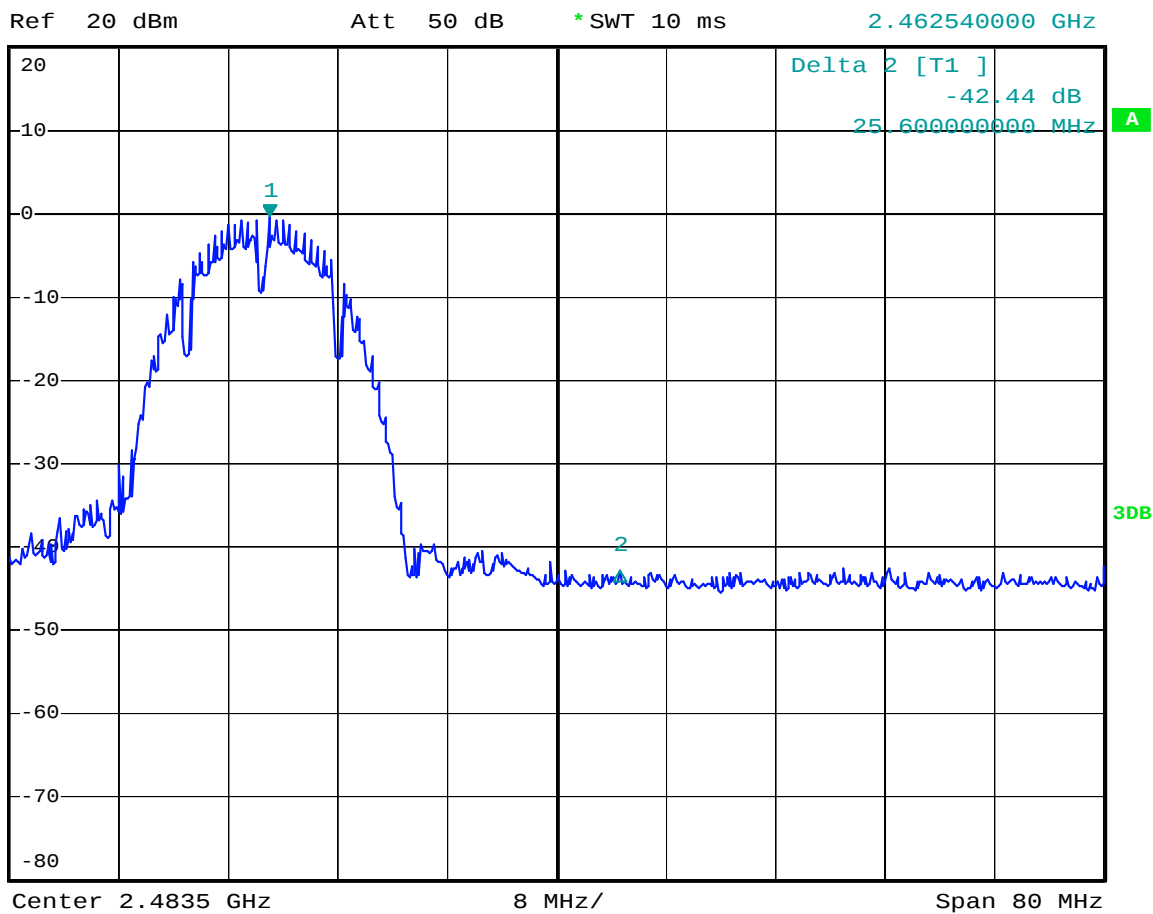


Date: 6.OCT.2012 16:43:39

# 802.11b Channel High 2462MHz

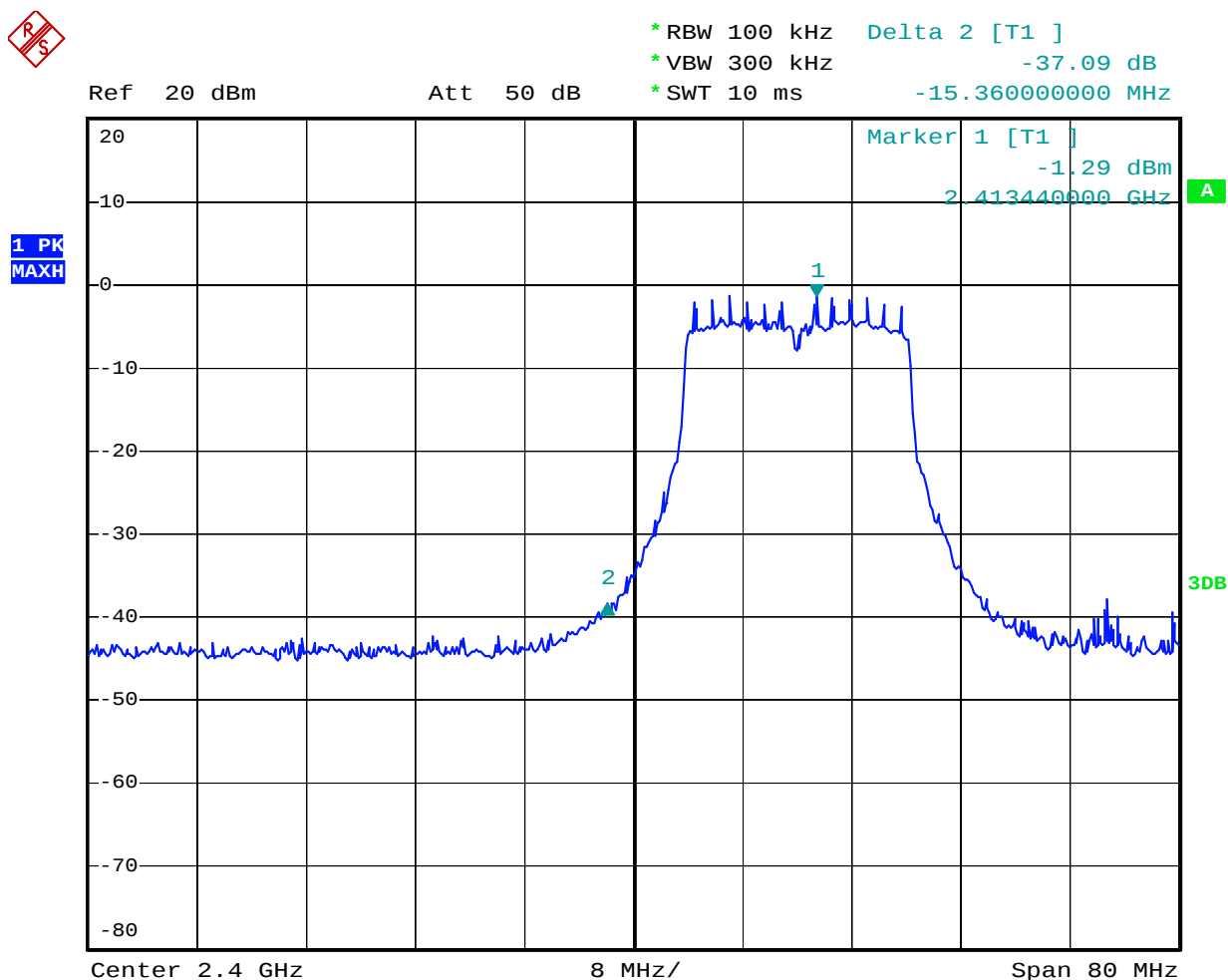


\* RBW 100 kHz Marker 1 [T1 ]  
 \* VBW 300 kHz -0.41 dBm  
 \* SWT 10 ms 2.462540000 GHz



Date: 6.OCT.2012 16:44:33

# 802.11g Channel Low 2412MHz



Date: 6.OCT.2012 16:47:24

# 802.11g Channel High 2462MHz

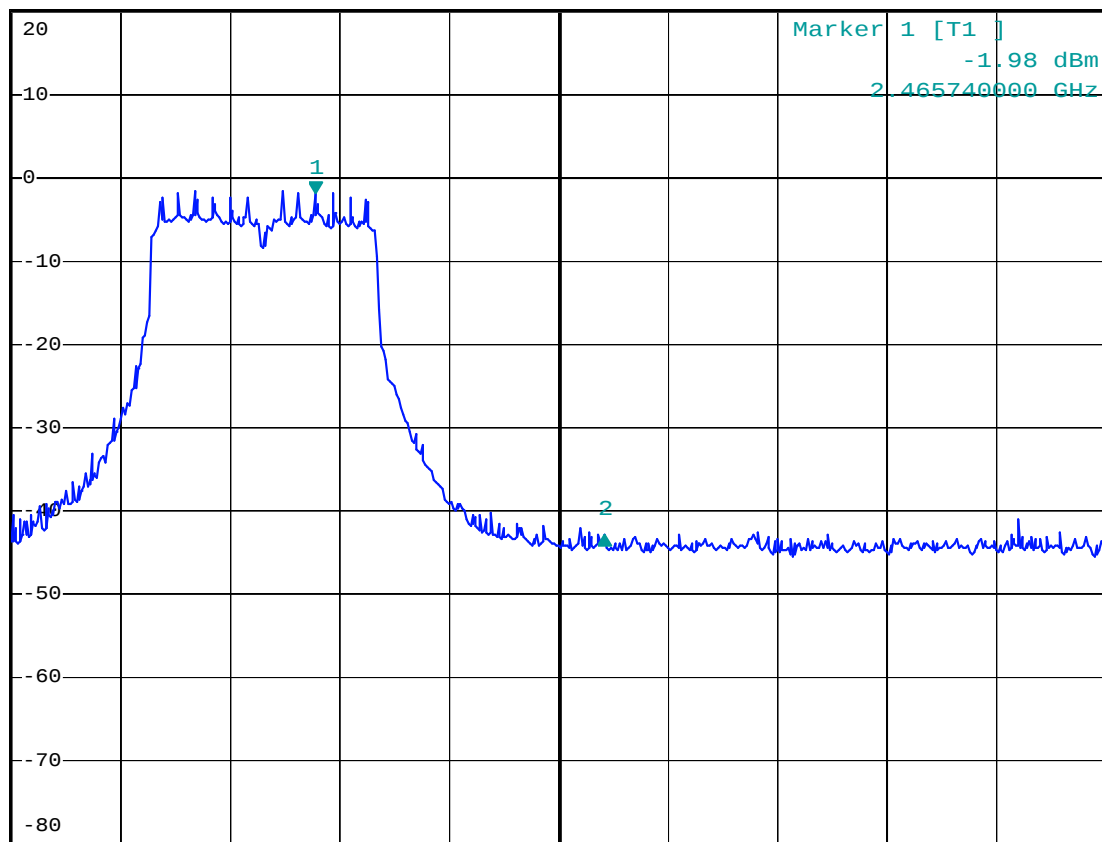


\* RBW 100 kHz Delta 2 [T1 ]  
 \* VBW 300 kHz -40.94 dB  
 \* SWT 10 ms 21.120000000 MHz

Ref 20 dBm

Att 50 dB

1 PK  
MAXH



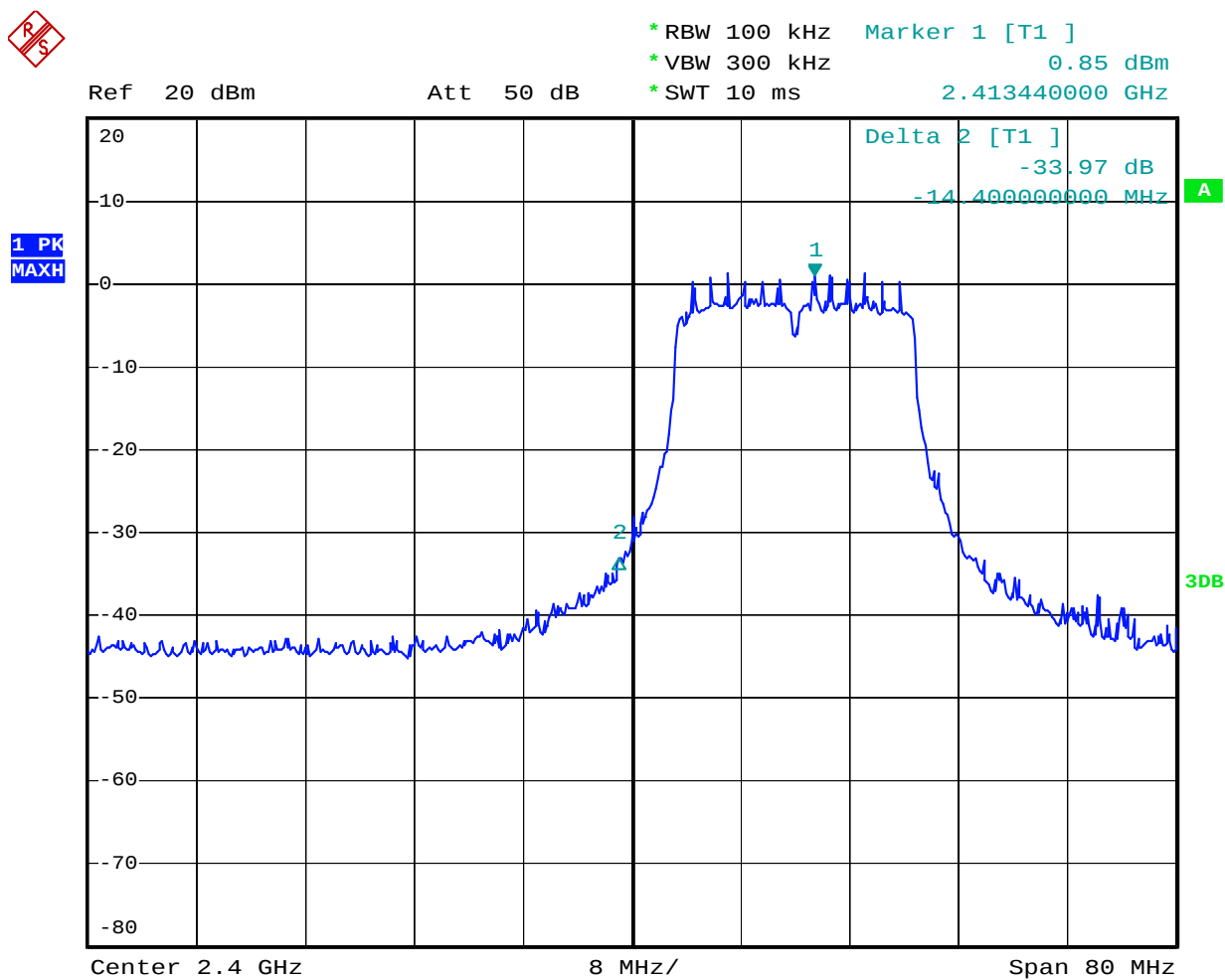
Center 2.4835 GHz

8 MHz/

Span 80 MHz

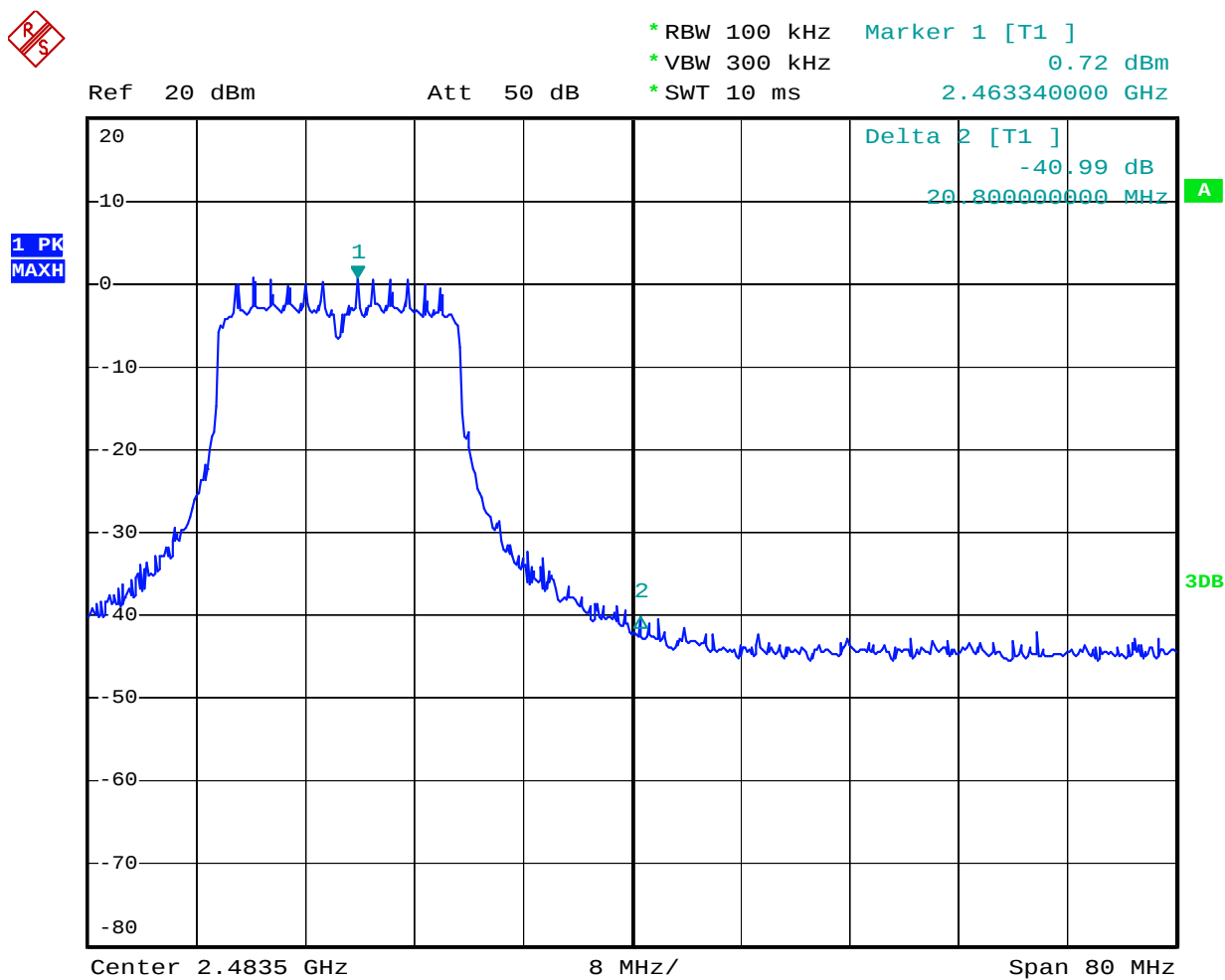
Date: 6.OCT.2012 16:46:34

# 802.11n Channel Low 2412MHz (20MHz)



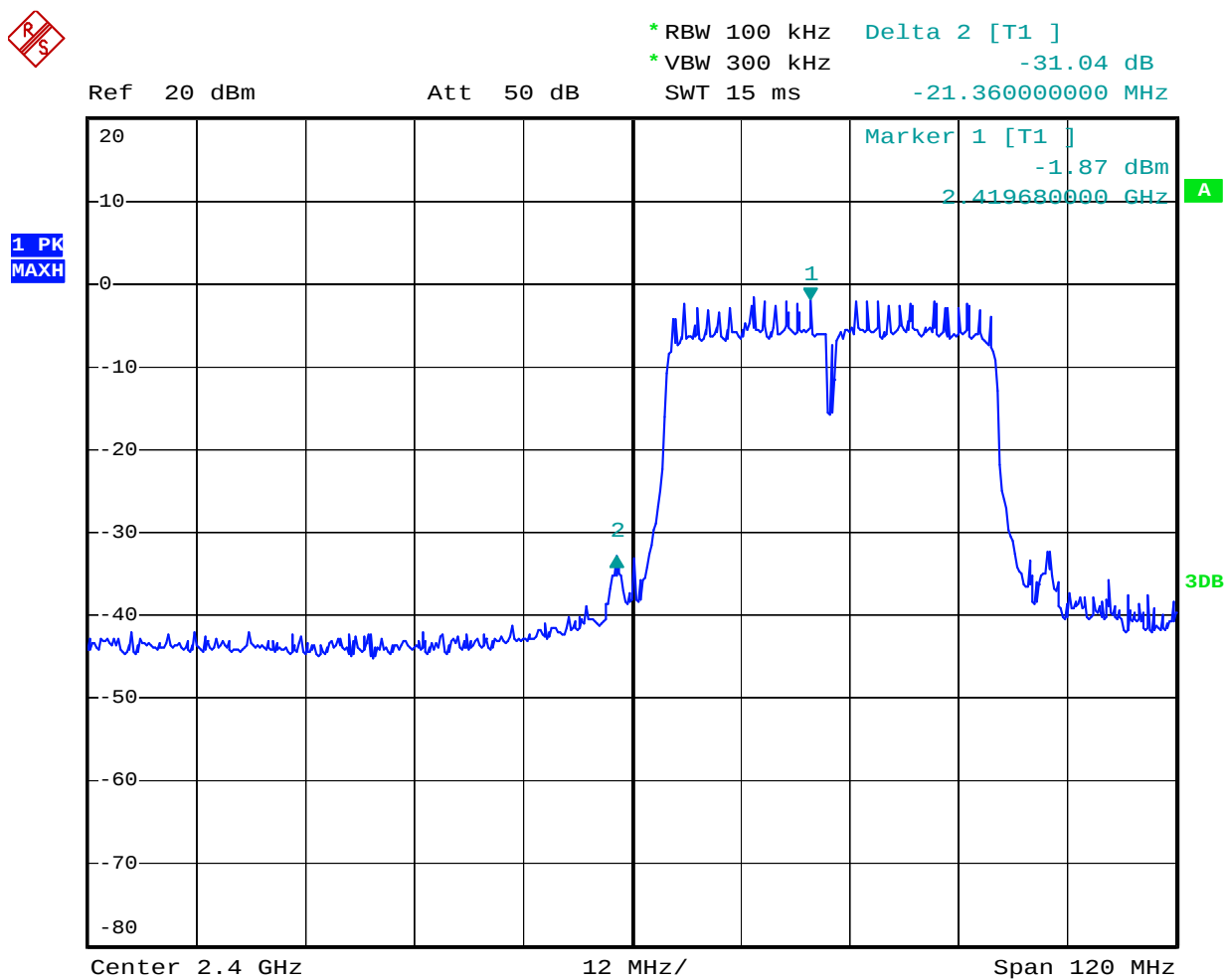
Date: 6.OCT.2012 16:48:33

# 802.11n Channel High 2462MHz (20MHz)



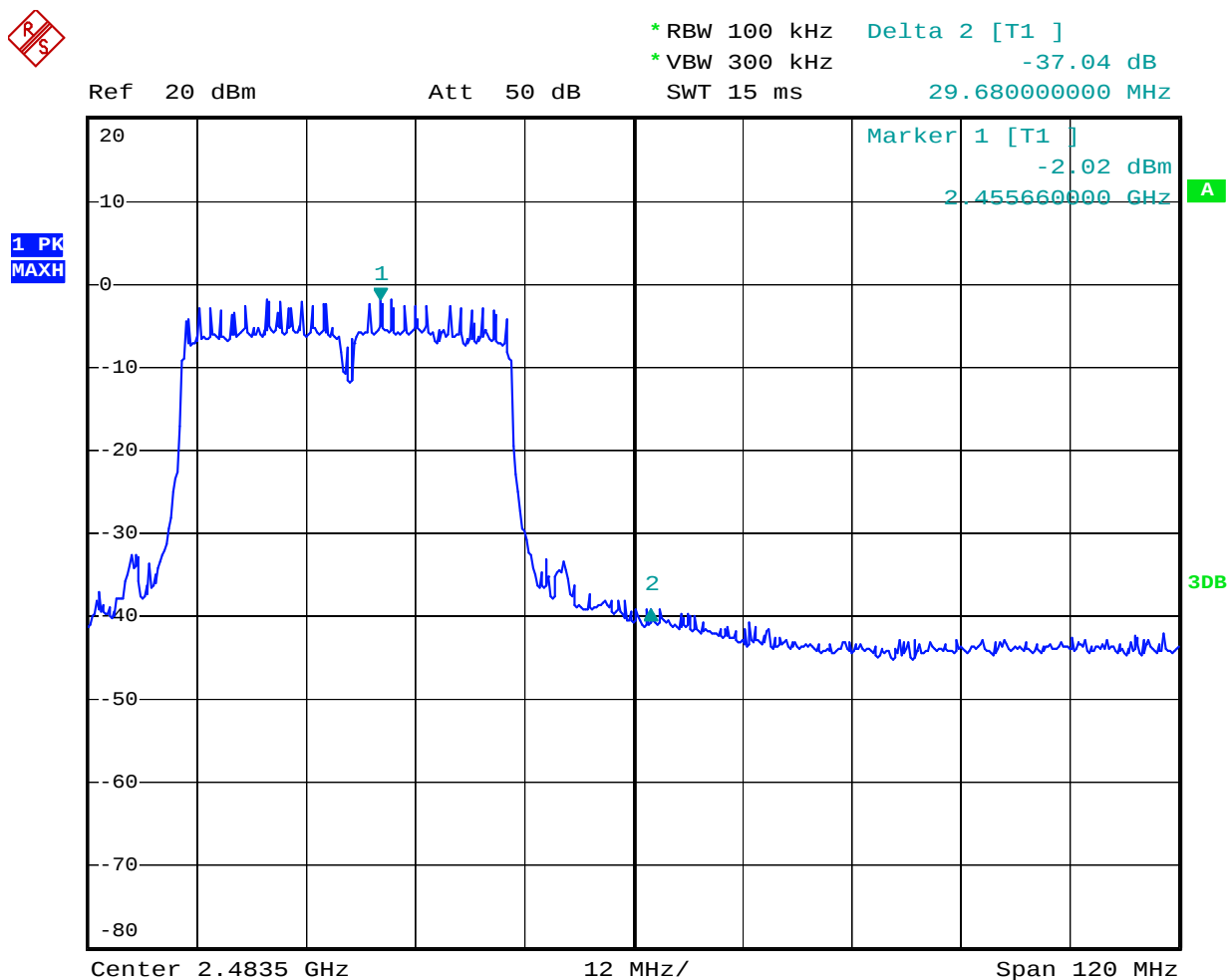
Date: 6.OCT.2012 16:49:30

# 802.11n Channel Low 2422MHz (40MHz)



Date: 6.OCT.2012 16:52:27

# 802.11n Channel High 2452MHz (40MHz)



Date: 6.OCT.2012 16:51:25

**Radiated Band Edge Result**Date of Test: October 6, 2012Temperature: 25°CEUT: IP CAMERAHumidity: 50%Model No.: XPY320Power Supply: AC 120V/60HzTest Mode: 802.11b Channel Low 2412MHzTest Engineer: Pei

| Frequency<br>(MHz) | Reading(dBμV/m) |       | Factor(dB)<br>Corr. | Result(dBμV/m) |       | Limit(dBμV/m) |       | Margin(dB) |        | Polarization |
|--------------------|-----------------|-------|---------------------|----------------|-------|---------------|-------|------------|--------|--------------|
|                    | AV              | PEAK  |                     | AV             | PEAK  | AV            | PEAK  | AV         | PEAK   |              |
| 2310.000           | 40.00           | 49.97 | -7.81               | 32.19          | 42.16 | 54.00         | 74.00 | -21.81     | -31.84 | Vertical     |
| 2359.168           | 40.28           | 51.20 | -7.73               | 32.55          | 43.47 | 54.00         | 74.00 | -21.45     | -30.53 | Vertical     |
| 2390.000           | 42.82           | 51.04 | -7.53               | 35.29          | 43.51 | 54.00         | 74.00 | -18.71     | -30.49 | Vertical     |
| 2310.000           | 39.18           | 46.79 | -7.81               | 31.37          | 38.98 | 54.00         | 74.00 | -22.63     | -35.02 | Horizontal   |
| 2342.882           | 40.15           | 48.46 | -7.79               | 32.36          | 40.67 | 54.00         | 74.00 | -21.64     | -33.33 | Horizontal   |
| 2390.000           | 36.99           | 43.96 | -7.53               | 29.46          | 36.43 | 54.00         | 74.00 | -24.54     | -37.57 | Horizontal   |

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:  
Result = Reading + Corrected Factor
3. Display the measurement of peak values.

|               |                              |                |              |
|---------------|------------------------------|----------------|--------------|
| Date of Test: | October 6, 2012              | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                    | Humidity:      | 50%          |
| Model No.:    | XPY320                       | Power Supply:  | AC 120V/60Hz |
| Test Mode:    | 802.11b Channel High 2462MHz | Test Engineer: | Pei          |

| Frequency<br>(MHz) | Reading(dBμV/m) |       | Factor(dB)<br>Corr. | Result(dBμV/m) |       | Limit(dBμV/m) |       | Margin(dB) |        | Polarization |
|--------------------|-----------------|-------|---------------------|----------------|-------|---------------|-------|------------|--------|--------------|
|                    | AV              | PEAK  |                     | AV             | PEAK  | AV            | PEAK  | AV         | PEAK   |              |
| 2483.500           | 45.88           | 35.11 | -7.37               | 38.51          | 27.74 | 54.00         | 74.00 | -15.49     | -46.26 | Vertical     |
| 2491.627           | 36.18           | 47.66 | -7.39               | 28.79          | 40.27 | 54.00         | 74.00 | -25.21     | -3.73  | Vertical     |
| 2500.000           | 34.28           | 43.96 | -7.40               | 26.88          | 36.56 | 54.00         | 74.00 | -27.12     | -37.44 | Vertical     |
| 2483.500           | 33.69           | 44.87 | -7.37               | 26.32          | 37.50 | 54.00         | 74.00 | -27.68     | -36.50 | Horizontal   |
| 2494.641           | 35.28           | 46.34 | -7.39               | 27.89          | 38.95 | 54.00         | 74.00 | -26.11     | -35.05 | Horizontal   |
| 2500.000           | 31.28           | 43.81 | -7.40               | 23.88          | 36.41 | 54.00         | 74.00 | -30.12     | -37.59 | Horizontal   |

## Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:  
Result = Reading + Corrected Factor
3. Display the measurement of peak values.

|               |                             |                |              |
|---------------|-----------------------------|----------------|--------------|
| Date of Test: | October 6, 2012             | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                   | Humidity:      | 50%          |
| Model No.:    | XPY320                      | Power Supply:  | AC 120V/60Hz |
| Test Mode:    | 802.11g Channel Low 2412MHz | Test Engineer: | Pei          |

| Frequency<br>(MHz) | Reading(dBμV/m) |       | Factor(dB)<br>Corr. | Result(dBμV/m) |       | Limit(dBμV/m) |       | Margin(dB) |        | Polarization |
|--------------------|-----------------|-------|---------------------|----------------|-------|---------------|-------|------------|--------|--------------|
|                    | AV              | PEAK  |                     | AV             | PEAK  | AV            | PEAK  | AV         | PEAK   |              |
| 2310.000           | 37.61           | 48.53 | -7.81               | 29.80          | 40.72 | 54.00         | 74.00 | -24.20     | -33.28 | Vertical     |
| 2345.380           | 38.29           | 50.02 | -7.79               | 30.50          | 42.23 | 54.00         | 74.00 | -23.50     | -31.77 | Vertical     |
| 2390.000           | 35.91           | 46.54 | -7.53               | 28.38          | 39.01 | 54.00         | 74.00 | -25.62     | -34.99 | Vertical     |
| 2310.000           | 38.91           | 47.47 | -7.81               | 31.10          | 39.66 | 54.00         | 74.00 | -22.90     | -34.34 | Horizontal   |
| 2344.686           | 38.22           | 49.93 | -7.79               | 30.43          | 42.14 | 54.00         | 74.00 | -23.57     | -31.86 | Horizontal   |
| 2390.000           | 36.43           | 45.66 | -7.53               | 28.90          | 38.13 | 54.00         | 74.00 | -25.10     | -35.87 | Horizontal   |

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:  

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.

|               |                              |                |              |
|---------------|------------------------------|----------------|--------------|
| Date of Test: | October 6, 2012              | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                    | Humidity:      | 50%          |
| Model No.:    | XPY320                       | Power Supply:  | AC 120V/60Hz |
| Test Mode:    | 802.11g Channel High 2462MHz | Test Engineer: | Pei          |

| Frequency<br>(MHz) | Reading(dBμV/m) |       | Factor(dB)<br>Corr. | Result(dBμV/m) |       | Limit(dBμV/m) |       | Margin(dB) |        | Polarization |
|--------------------|-----------------|-------|---------------------|----------------|-------|---------------|-------|------------|--------|--------------|
|                    | AV              | PEAK  |                     | AV             | PEAK  | AV            | PEAK  | AV         | PEAK   |              |
| 2783.500           | 34.17           | 45.47 | -7.37               | 26.80          | 38.10 | 54.00         | 74.00 | -27.20     | -35.90 | Vertical     |
| 2494.006           | 35.91           | 46.64 | -7.40               | 28.51          | 39.24 | 54.00         | 74.00 | -25.49     | -34.76 | Vertical     |
| 2500.000           | 32.58           | 44.82 | -7.40               | 25.18          | 37.42 | 54.00         | 74.00 | -28.82     | -36.58 | Vertical     |
| 2483.500           | 34.67           | 44.50 | -7.37               | 27.30          | 37.13 | 54.00         | 74.00 | -26.70     | -36.87 | Horizontal   |
| 2493.848           | 34.19           | 45.47 | -7.40               | 26.79          | 38.07 | 54.00         | 74.00 | -27.21     | -35.93 | Horizontal   |
| 2500.000           | 36.48           | 45.21 | -7.40               | 29.08          | 37.81 | 54.00         | 74.00 | -24.92     | -36.19 | Horizontal   |

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:  
Result = Reading + Corrected Factor
3. Display the measurement of peak values.

|               |                                        |                |              |
|---------------|----------------------------------------|----------------|--------------|
| Date of Test: | October 6, 2012                        | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                              | Humidity:      | 50%          |
| Model No.:    | XPY320                                 | Power Supply:  | AC 120V/60Hz |
| Test Mode:    | 802.11n Channel Low 2412MHz<br>(20MHz) | Test Engineer: | Pei          |

| Frequency<br>(MHz) | Reading(dBμV/m) |       | Factor(dB)<br>Corr. | Result(dBμV/m) |       | Limit(dBμV/m) |       | Margin(dB) |        | Polarization |
|--------------------|-----------------|-------|---------------------|----------------|-------|---------------|-------|------------|--------|--------------|
|                    | AV              | PEAK  |                     | AV             | PEAK  | AV            | PEAK  | AV         | PEAK   |              |
| 2310.000           | 39.33           | 48.26 | -7.81               | 31.52          | 40.45 | 54.00         | 74.00 | -22.48     | -33.55 | Vertical     |
| 2358.191           | 39.36           | 50.86 | -7.74               | 31.62          | 43.12 | 54.00         | 74.00 | -22.38     | -30.88 | Vertical     |
| 2390.000           | 34.58           | 44.94 | -7.53               | 27.05          | 37.41 | 54.00         | 74.00 | -26.95     | -36.59 | Vertical     |
| 2310.000           | 39.24           | 47.88 | -7.81               | 31.43          | 40.07 | 54.00         | 74.00 | -22.57     | -33.93 | Horizontal   |
| 2343.160           | 39.88           | 50.17 | -7.79               | 32.09          | 42.38 | 54.00         | 74.00 | -21.91     | -31.62 | Horizontal   |
| 2390.000           | 34.81           | 45.76 | -7.53               | 27.28          | 38.23 | 54.00         | 74.00 | -26.72     | -35.77 | Horizontal   |

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:  
Result = Reading + Corrected Factor
3. Display the measurement of peak values.

|               |                                         |                |              |
|---------------|-----------------------------------------|----------------|--------------|
| Date of Test: | October 6, 2012                         | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                               | Humidity:      | 50%          |
| Model No.:    | XPY320                                  | Power Supply:  | AC 120V/60Hz |
| Test Mode:    | 802.11n Channel High 2462MHz<br>(20MHz) | Test Engineer: | Pei          |

| Frequency<br>(MHz) | Reading(dBμV/m) |       | Factor(dB)<br>Corr. | Result(dBμV/m) |       | Limit(dBμV/m) |       | Margin(dB) |        | Polarization |
|--------------------|-----------------|-------|---------------------|----------------|-------|---------------|-------|------------|--------|--------------|
|                    | AV              | PEAK  |                     | AV             | PEAK  | AV            | PEAK  | AV         | PEAK   |              |
| 2483.500           | 33.80           | 44.77 | -7.37               | 26.43          | 37.40 | 54.00         | 74.00 | -27.57     | -36.60 | Vertical     |
| 2492.102           | 35.17           | 48.02 | -7.39               | 27.78          | 40.63 | 54.00         | 74.00 | -26.22     | -33.37 | Vertical     |
| 2500.000           | 32.93           | 44.65 | -7.40               | 25.53          | 37.25 | 54.00         | 74.00 | -28.47     | -36.75 | Vertical     |
| 2483.500           | 34.28           | 45.40 | -7.37               | 26.91          | 38.03 | 54.00         | 74.00 | -27.09     | -35.97 | Horizontal   |
| 2493.372           | 37.92           | 46.17 | -7.39               | 30.53          | 38.78 | 54.00         | 74.00 | -23.47     | -35.22 | Horizontal   |
| 2500.000           | 35.91           | 44.68 | -7.40               | 28.51          | 37.28 | 54.00         | 74.00 | -25.49     | -36.72 | Horizontal   |

## Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:  
Result = Reading + Corrected Factor
3. Display the measurement of peak values.

|               |                                        |                |              |
|---------------|----------------------------------------|----------------|--------------|
| Date of Test: | October 6, 2012                        | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                              | Humidity:      | 50%          |
| Model No.:    | XPY320                                 | Power Supply:  | AC 120V/60Hz |
| Test Mode:    | 802.11n Channel Low 2422MHz<br>(40MHz) | Test Engineer: | Pei          |

| Frequency<br>(MHz) | Reading(dBμV/m) |       | Factor(dB)<br>Corr. | Result(dBμV/m) |       | Limit(dBμV/m) |       | Margin(dB) |        | Polarization |
|--------------------|-----------------|-------|---------------------|----------------|-------|---------------|-------|------------|--------|--------------|
|                    | AV              | PEAK  |                     | AV             | PEAK  | AV            | PEAK  | AV         | PEAK   |              |
| 2310.000           | 43.08           | 50.94 | -7.81               | 35.27          | 43.13 | 54.00         | 74.00 | -18.73     | -30.87 | Vertical     |
| 2342.646           | 42.18           | 52.49 | -7.79               | 34.39          | 44.70 | 54.00         | 74.00 | -19.61     | -29.30 | Vertical     |
| 2342.646           | 42.18           | 52.49 | -7.79               | 34.39          | 44.70 | 54.00         | 74.00 | -19.61     | -29.30 | Vertical     |
| 2310.000           | 40.28           | 47.08 | -7.81               | 32.47          | 39.27 | 54.00         | 74.00 | -21.53     | -34.73 | Horizontal   |
| 2335.020           | 43.17           | 50.71 | -7.80               | 35.37          | 42.91 | 54.00         | 74.00 | -18.63     | -31.09 | Horizontal   |
| 2390.000           | 39.83           | 47.97 | -7.53               | 32.30          | 40.44 | 54.00         | 74.00 | -21.70     | -33.56 | Horizontal   |

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:  
Result = Reading + Corrected Factor
3. Display the measurement of peak values.

|               |                                         |                |              |
|---------------|-----------------------------------------|----------------|--------------|
| Date of Test: | October 6, 2012                         | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                               | Humidity:      | 50%          |
| Model No.:    | XPY320                                  | Power Supply:  | AC 120V/60Hz |
| Test Mode:    | 802.11n Channel High 2452MHz<br>(40MHz) | Test Engineer: | Pei          |

| Frequency<br>(MHz) | Reading(dBμV/m) |       | Factor(dB)<br>Corr. | Result(dBμV/m) |       | Limit(dBμV/m) |       | Margin(dB) |        | Polarization |
|--------------------|-----------------|-------|---------------------|----------------|-------|---------------|-------|------------|--------|--------------|
|                    | AV              | PEAK  |                     | AV             | PEAK  | AV            | PEAK  | AV         | PEAK   |              |
| 2483.500           | 41.89           | 48.40 | -7.37               | 34.52          | 41.03 | 54.00         | 74.00 | -19.48     | -32.97 | Vertical     |
| 2494.262           | 41.000          | 48.52 | -7.39               | 33.61          | 41.13 | 54.0          | 74.00 | -20.39     | -32.87 | Vertical     |
| 2500.000           | 38.91           | 46.08 | -7.40               | 31.51          | 38.68 | 54.00         | 74.00 | -22.49     | -35.32 | Vertical     |
| 2483.500           | 35.17           | 44.87 | -7.37               | 27.80          | 37.50 | 54.00         | 74.00 | -26.20     | -36.50 | Horizontal   |
| 2494.262           | 36.99           | 46.29 | -7.39               | 29.60          | 38.90 | 54.00         | 74.00 | -24.40     | -35.10 | Horizontal   |
| 2500.000           | 33.55           | 44.48 | -7.40               | 26.15          | 37.08 | 54.00         | 74.00 | -27.85     | -36.92 | Horizontal   |

## Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:  
Result = Reading + Corrected Factor
3. Display the measurement of peak values.



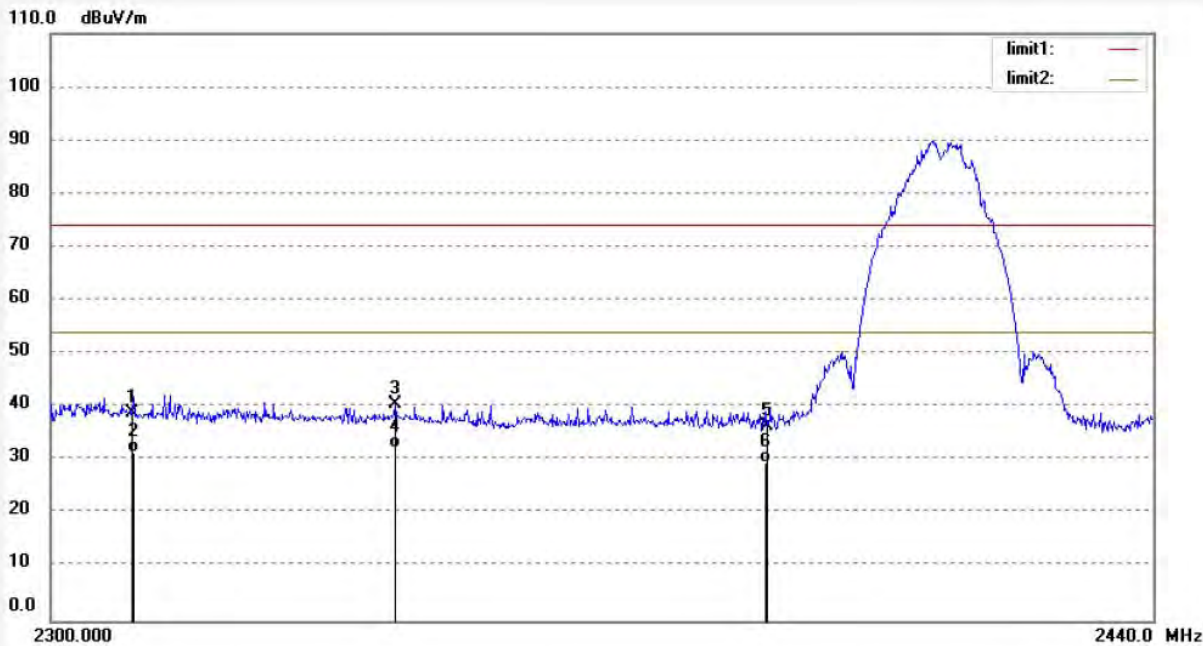
# **ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

|                                   |                            |
|-----------------------------------|----------------------------|
| Job No.: star #2557               | Polarization: Horizontal   |
| Standard: FCC 15C PK              | Power Source: AC 120V/60Hz |
| Test item: Radiation Test         | Date: 12/10/06/            |
| Temp.( C)/Hum.(%) 23 C / 49 %     | Time: 13/18/32             |
| EUT: IP CAMERA                    | Engineer Signature:        |
| Mode: TX Channel 1(802.11b)       | Distance: 3m               |
| Model: XPY320                     |                            |
| Manufacturer: NEXXT SOLUTIONS LLC |                            |

Note: Report No.:ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2310.000    | 46.79            | -7.81       | 38.98           | 74.00          | -35.02      | peak     |             |               |        |
| 2   | 2310.000    | 39.18            | -7.81       | 31.37           | 54.00          | -22.63      | AVG      |             |               |        |
| 3   | 2342.882    | 48.46            | -7.79       | 40.67           | 74.00          | -33.33      | peak     |             |               |        |
| 4   | 2342.882    | 40.15            | -7.79       | 32.36           | 54.00          | -21.64      | AVG      |             |               |        |
| 5   | 2390.000    | 43.96            | -7.53       | 36.43           | 74.00          | -37.57      | peak     |             |               |        |
| 6   | 2390.000    | 36.99            | -7.53       | 29.46           | 54.00          | -24.54      | AVG      |             |               |        |


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Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2558

Standard: FCC 15C PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 1(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

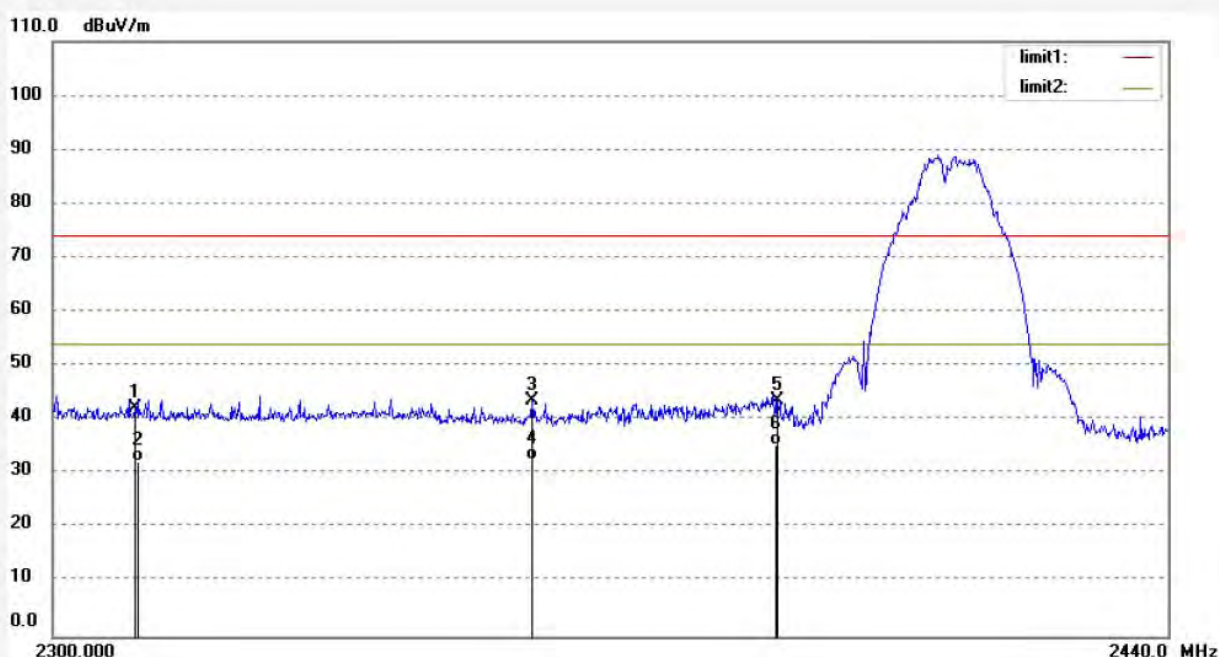
Date: 12/10/06/

Time: 13/22/34

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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   | 2310.000       | 49.97               | -7.81          | 42.16              | 74.00             | -31.84         | peak     |                |                  |        |
| 2   | 2310.000       | 40.00               | -7.81          | 32.19              | 54.00             | -21.81         | AVG      |                |                  |        |
| 3   | 2359.168       | 51.20               | -7.73          | 43.47              | 74.00             | -30.53         | peak     |                |                  |        |
| 4   | 2359.168       | 40.28               | -7.73          | 32.55              | 54.00             | -21.45         | AVG      |                |                  |        |
| 5   | 2390.000       | 51.04               | -7.53          | 43.51              | 74.00             | -30.49         | peak     |                |                  |        |
| 6   | 2390.000       | 42.82               | -7.53          | 35.29              | 54.00             | -18.71         | AVG      |                |                  |        |


**ACCURATE TECHNOLOGY CO., LTD.**

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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2560

Standard: FCC 15C PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 11(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

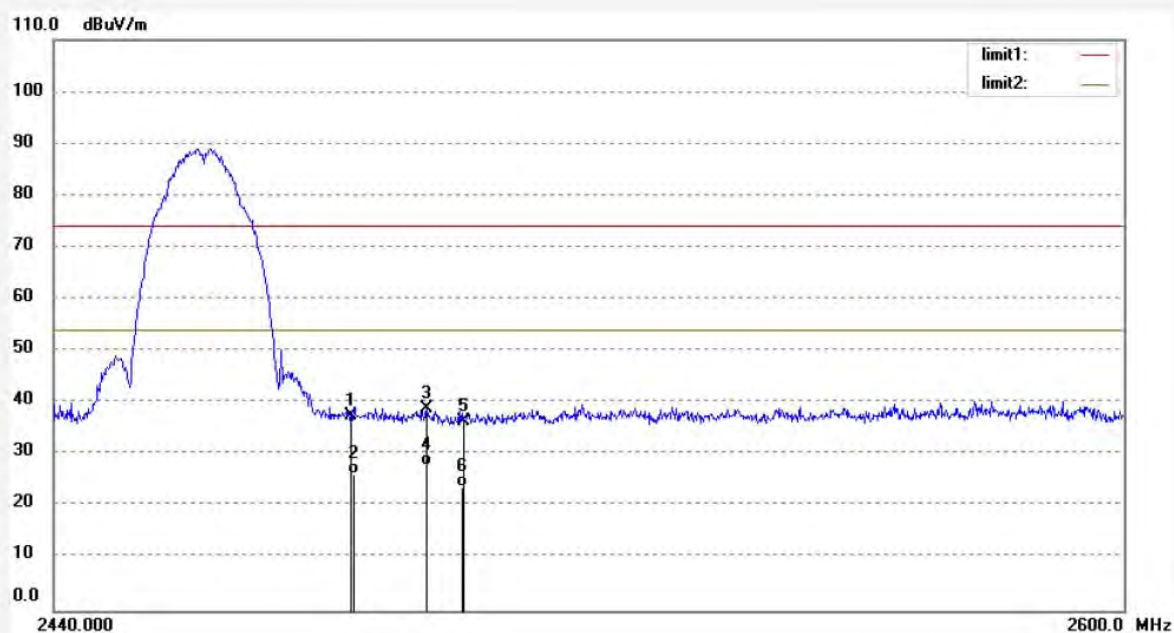
Date: 12/10/06/

Time: 13/32/24

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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   | 2483.500       | 44.87               | -7.37          | 37.50              | 74.00             | -36.50         | peak     |                |                  |        |
| 2   | 2483.500       | 33.69               | -7.37          | 26.32              | 54.00             | -27.68         | AVG      |                |                  |        |
| 3   | 2494.641       | 46.34               | -7.39          | 38.95              | 74.00             | -35.05         | peak     |                |                  |        |
| 4   | 2494.641       | 35.28               | -7.39          | 27.89              | 54.00             | -26.11         | AVG      |                |                  |        |
| 5   | 2500.000       | 43.81               | -7.40          | 36.41              | 74.00             | -37.59         | peak     |                |                  |        |
| 6   | 2500.000       | 31.28               | -7.40          | 23.88              | 54.00             | -30.12         | AVG      |                |                  |        |


**ACCURATE TECHNOLOGY CO., LTD.**

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2559

Standard: FCC 15C PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 11(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

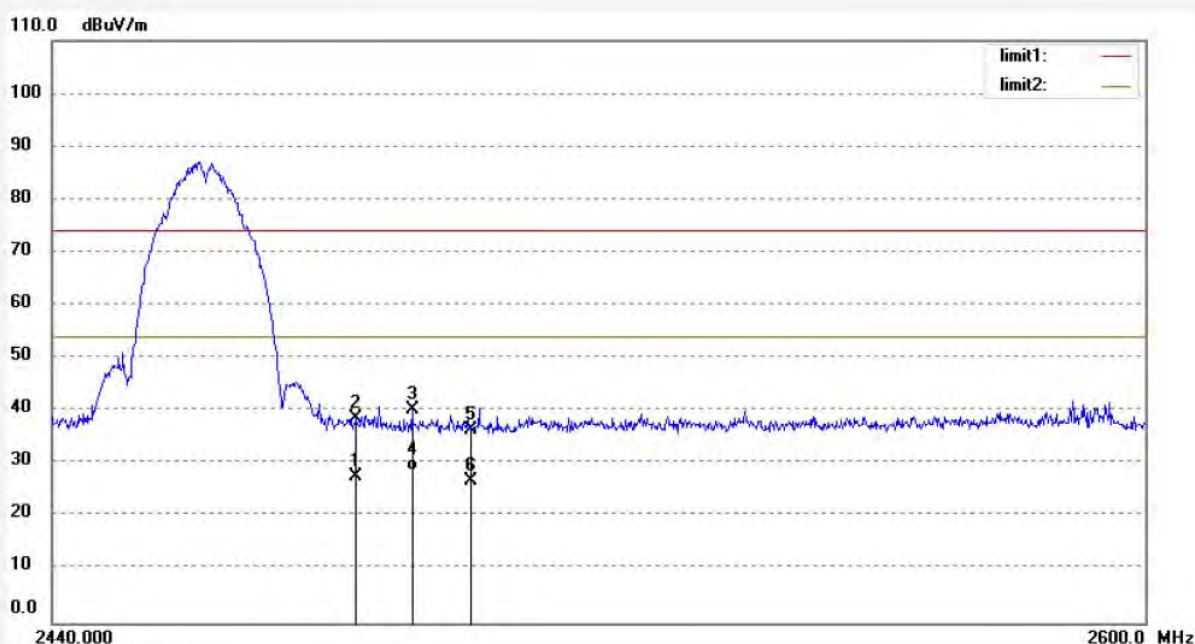
Date: 12/10/06/

Time: 13/27/41

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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   | 2483.500       | 35.11               | -7.37          | 27.74              | 74.00             | -46.26         | peak     |                |                  |        |
| 2   | 2483.500       | 45.88               | -7.37          | 38.51              | 54.00             | -15.49         | AVG      |                |                  |        |
| 3   | 2491.627       | 47.66               | -7.39          | 40.27              | 74.00             | -33.73         | peak     |                |                  |        |
| 4   | 2491.627       | 36.18               | -7.39          | 28.79              | 54.00             | -25.21         | AVG      |                |                  |        |
| 5   | 2500.000       | 43.96               | -7.40          | 36.56              | 74.00             | -37.44         | peak     |                |                  |        |
| 6   | 2500.000       | 34.28               | -7.40          | 26.88              | 54.00             | -27.12         | AVG      |                |                  |        |


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2564

Standard: FCC 15C PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 1(802.11g)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

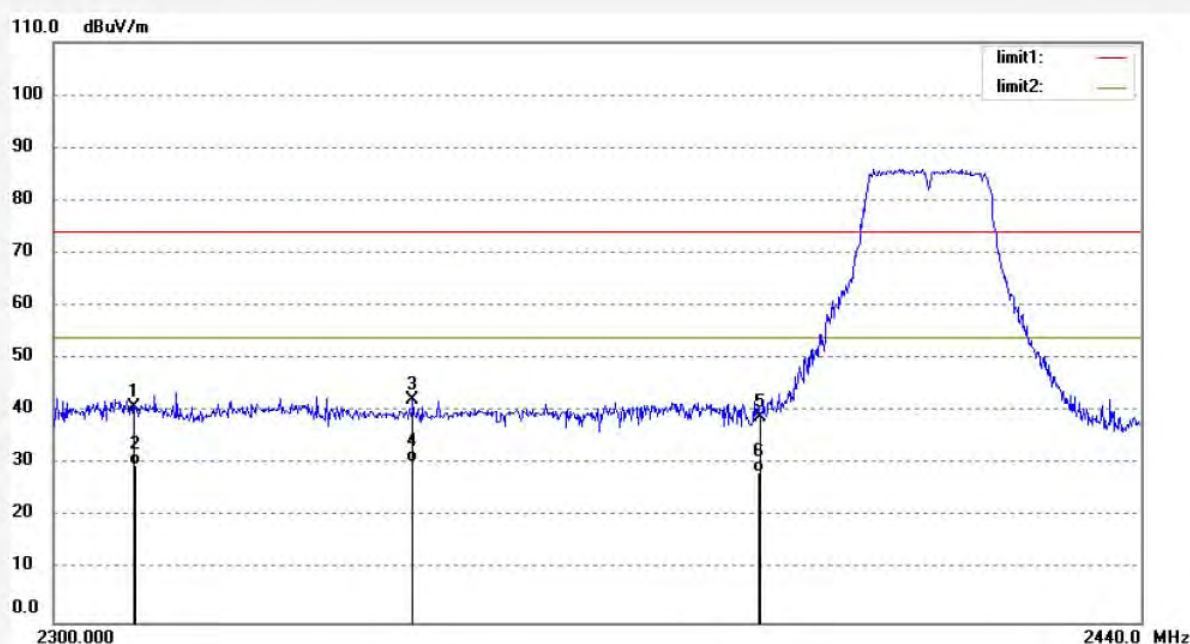
Date: 12/10/06/

Time: 13/48/54

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2310.000    | 48.53            | -7.81       | 40.72           | 74.00          | -33.28      | peak     |             |               |        |
| 2   | 2310.000    | 37.61            | -7.81       | 29.80           | 54.00          | -24.20      | AVG      |             |               |        |
| 3   | 2345.380    | 50.02            | -7.79       | 42.23           | 74.00          | -31.77      | peak     |             |               |        |
| 4   | 2345.380    | 38.29            | -7.79       | 30.50           | 54.00          | -23.50      | AVG      |             |               |        |
| 5   | 2390.000    | 46.54            | -7.53       | 39.01           | 74.00          | -34.99      | peak     |             |               |        |
| 6   | 2390.000    | 35.91            | -7.53       | 28.38           | 54.00          | -25.62      | AVG      |             |               |        |



# ACCURATE TECHNOLOGY CO., LTD.

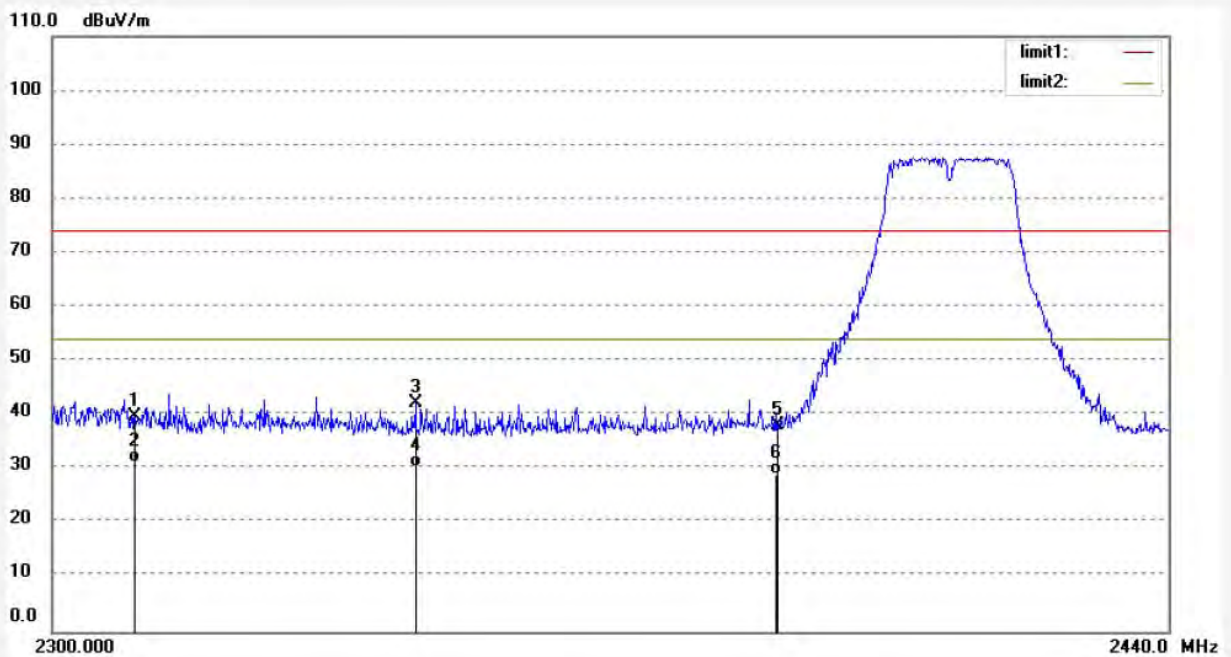
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2565  
Standard: FCC 15C PK  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 49 %  
EUT: IP CAMERA  
Mode: TX Channel 1(802.11g)  
Model: XPY320  
Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 12/10/06/  
Time: 13/52/31  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2310.000    | 47.47            | -7.81       | 39.66           | 74.00          | -34.34      | peak     |             |               |        |
| 2   | 2310.000    | 38.91            | -7.81       | 31.10           | 54.00          | -22.90      | AVG      |             |               |        |
| 3   | 2344.686    | 49.93            | -7.79       | 42.14           | 74.00          | -31.86      | peak     |             |               |        |
| 4   | 2344.686    | 38.22            | -7.79       | 30.43           | 54.00          | -23.57      | AVG      |             |               |        |
| 5   | 2390.000    | 45.66            | -7.53       | 38.13           | 74.00          | -35.87      | peak     |             |               |        |
| 6   | 2390.000    | 36.43            | -7.53       | 28.90           | 54.00          | -25.10      | AVG      |             |               |        |



# ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2562

Standard: FCC 15C PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 11(802.11g)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

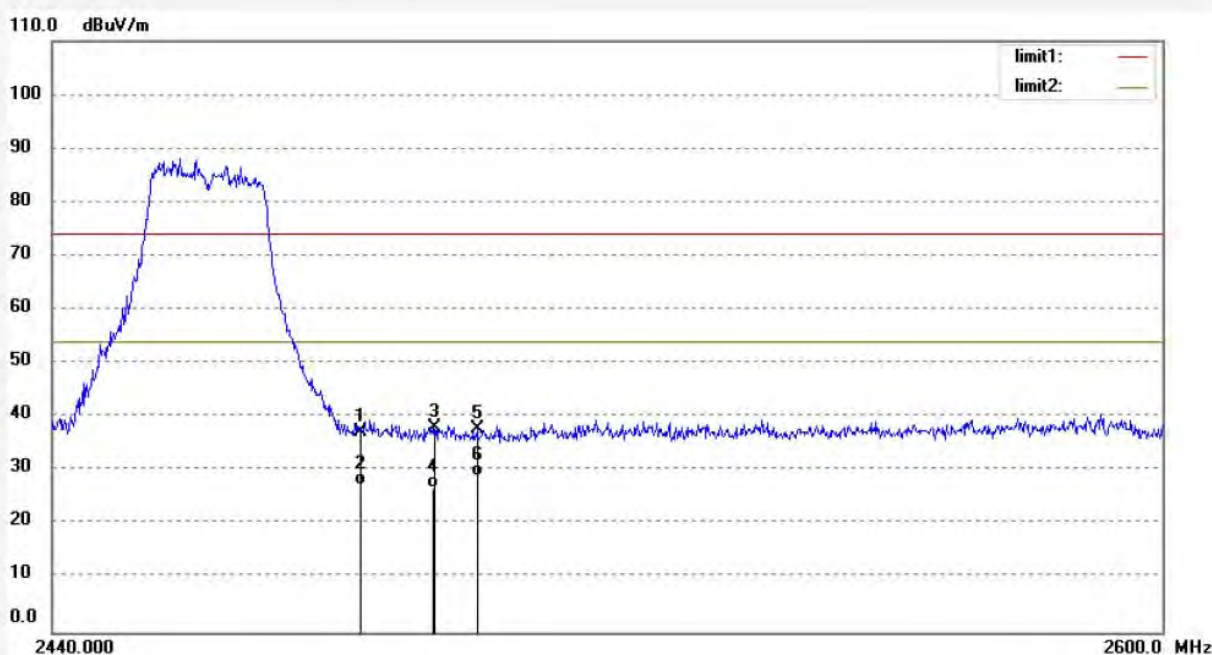
Date: 12/10/06/

Time: 13/38/10

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2483.500    | 44.50            | -7.37       | 37.13           | 74.00          | -36.87      | peak     |             |               |        |
| 2   | 2483.500    | 34.67            | -7.37       | 27.30           | 54.00          | -26.70      | AVG      |             |               |        |
| 3   | 2493.848    | 45.47            | -7.40       | 38.07           | 74.00          | -35.93      | peak     |             |               |        |
| 4   | 2493.848    | 34.19            | -7.40       | 26.79           | 54.00          | -27.21      | AVG      |             |               |        |
| 5   | 2500.000    | 45.21            | -7.40       | 37.81           | 74.00          | -36.19      | peak     |             |               |        |
| 6   | 2500.000    | 36.48            | -7.40       | 29.08           | 54.00          | -24.92      | AVG      |             |               |        |


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2563

Standard: FCC 15C PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 11(802.11g)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

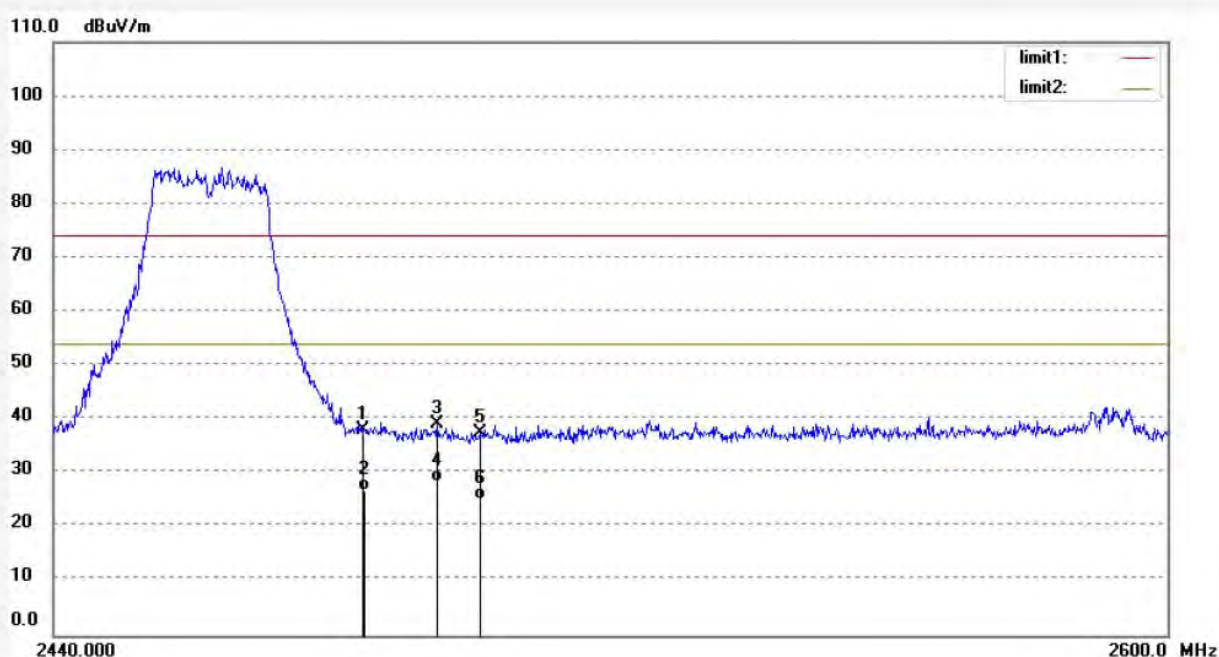
Date: 12/10/06/

Time: 13/44/42

Engineer Signature:

Distance: 3m

Note: Report No.: ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2483.500    | 45.47            | -7.37       | 38.10           | 74.00          | -35.90      | peak     |             |               |        |
| 2   | 2483.500    | 34.17            | -7.37       | 26.80           | 54.00          | -27.20      | AVG      |             |               |        |
| 3   | 2494.006    | 46.64            | -7.40       | 39.24           | 74.00          | -34.76      | peak     |             |               |        |
| 4   | 2494.006    | 35.91            | -7.40       | 28.51           | 54.00          | -25.49      | AVG      |             |               |        |
| 5   | 2500.000    | 44.82            | -7.40       | 37.42           | 74.00          | -36.58      | peak     |             |               |        |
| 6   | 2500.000    | 32.58            | -7.40       | 25.18           | 54.00          | -28.82      | AVG      |             |               |        |



# **ACCURATE TECHNOLOGY CO., LTD.**

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2566

Standard: FCC 15C PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 1(802.11n)20MHz

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

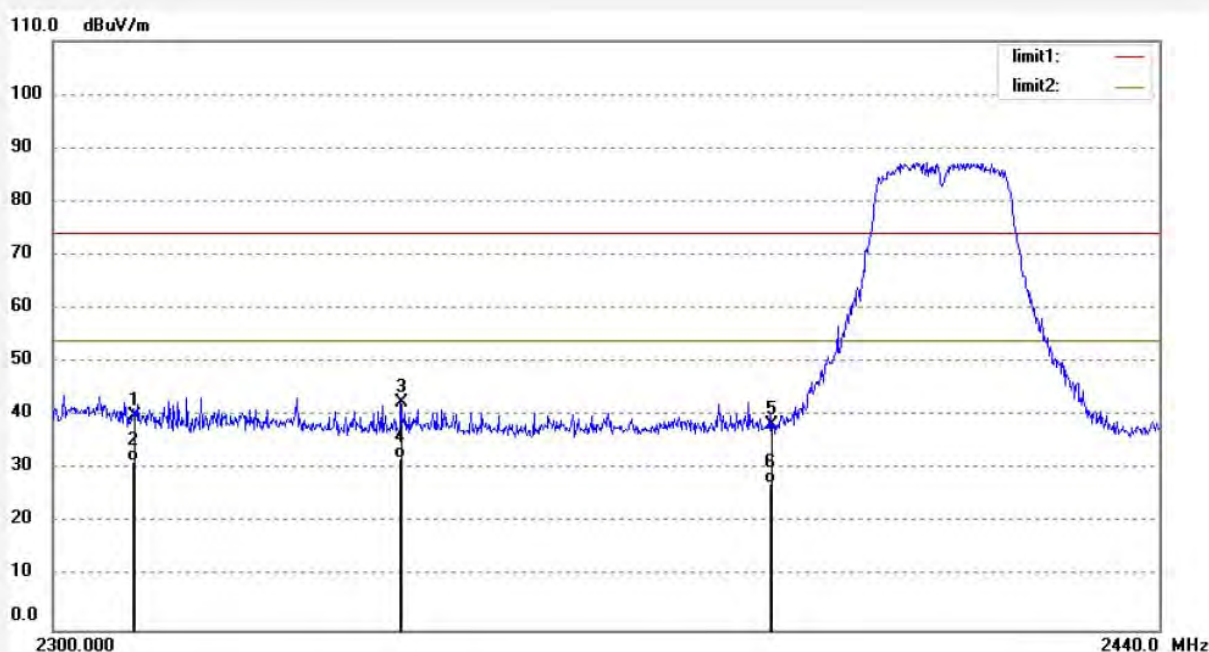
Date: 12/10/06/

Time: 13/58/23

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2310.000    | 47.88            | -7.81       | 40.07           | 74.00          | -33.93      | peak     |             |               |        |
| 2   | 2310.000    | 39.24            | -7.81       | 31.43           | 54.00          | -22.57      | AVG      |             |               |        |
| 3   | 2343.160    | 50.17            | -7.79       | 42.38           | 74.00          | -31.62      | peak     |             |               |        |
| 4   | 2343.160    | 39.88            | -7.79       | 32.09           | 54.00          | -21.91      | AVG      |             |               |        |
| 5   | 2390.000    | 45.76            | -7.53       | 38.23           | 74.00          | -35.77      | peak     |             |               |        |
| 6   | 2390.000    | 34.81            | -7.53       | 27.28           | 54.00          | -26.72      | AVG      |             |               |        |



# **ACCURATE TECHNOLOGY CO., LTD.**

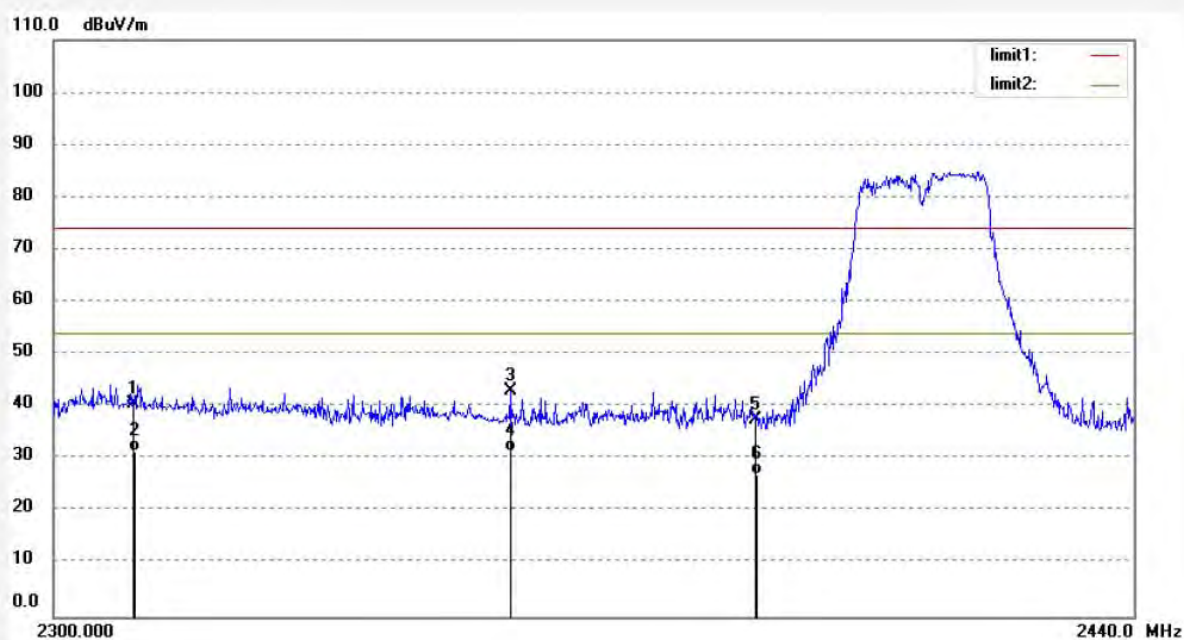
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2567  
Standard: FCC 15C PK  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 49 %  
EUT: IP CAMERA  
Mode: TX Channel 1(802.11n)20MHz  
Model: XPY320  
Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 12/10/06/  
Time: 14/03/14  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20122267



| 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   | 2310.000       | 48.26               | -7.81          | 40.45              | 74.00             | -33.55         | peak     |                |                  |        |
| 2   | 2310.000       | 39.33               | -7.81          | 31.52              | 54.00             | -22.48         | AVG      |                |                  |        |
| 3   | 2358.191       | 50.86               | -7.74          | 43.12              | 74.00             | -30.88         | peak     |                |                  |        |
| 4   | 2358.191       | 39.36               | -7.74          | 31.62              | 54.00             | -22.38         | AVG      |                |                  |        |
| 5   | 2390.000       | 44.94               | -7.53          | 37.41              | 74.00             | -36.59         | peak     |                |                  |        |
| 6   | 2390.000       | 34.58               | -7.53          | 27.05              | 54.00             | -26.95         | AVG      |                |                  |        |



# **ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2569

Standard: FCC 15C PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 11(802.11n)20MHz

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

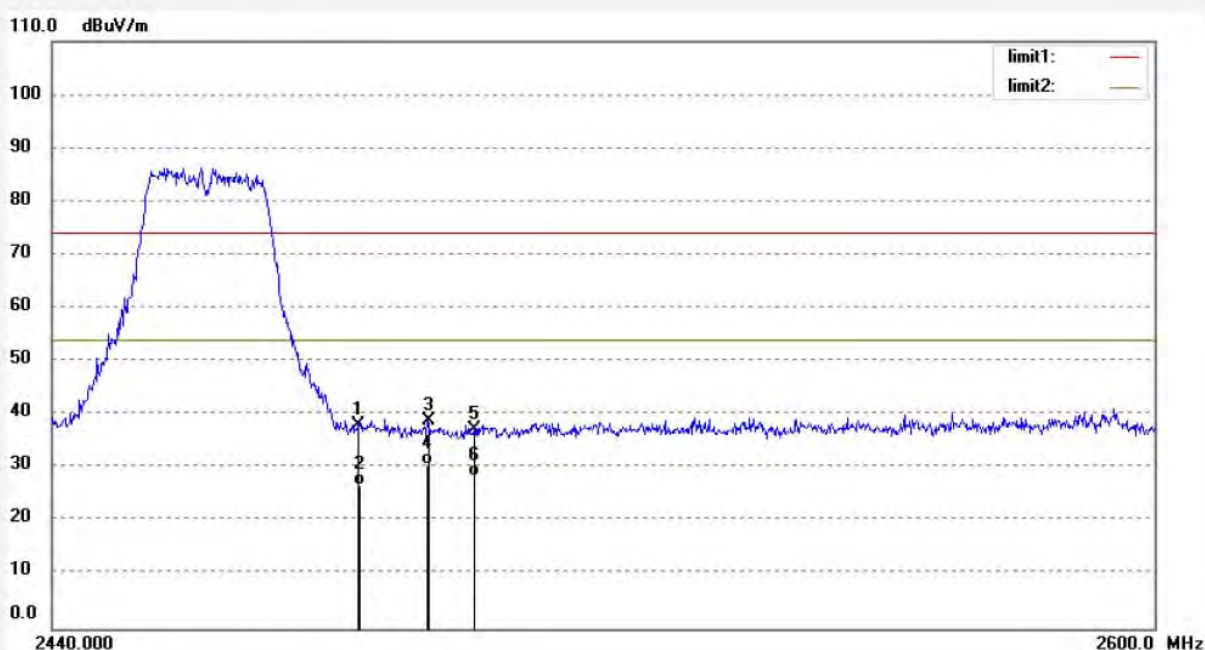
Date: 12/10/06/

Time: 14/15/12

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2483.500    | 45.40            | -7.37       | 38.03           | 74.00          | -35.97      | peak     |             |               |        |
| 2   | 2483.500    | 34.28            | -7.37       | 26.91           | 54.00          | -27.09      | AVG      |             |               |        |
| 3   | 2493.372    | 46.17            | -7.39       | 38.78           | 74.00          | -35.22      | peak     |             |               |        |
| 4   | 2493.372    | 37.92            | -7.39       | 30.53           | 54.00          | -23.47      | AVG      |             |               |        |
| 5   | 2500.000    | 44.68            | -7.40       | 37.28           | 74.00          | -36.72      | peak     |             |               |        |
| 6   | 2500.000    | 35.91            | -7.40       | 28.51           | 54.00          | -25.49      | AVG      |             |               |        |


**ACCURATE TECHNOLOGY CO., LTD.**

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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2568

Standard: FCC 15C PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 11(802.11n)20MHz

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

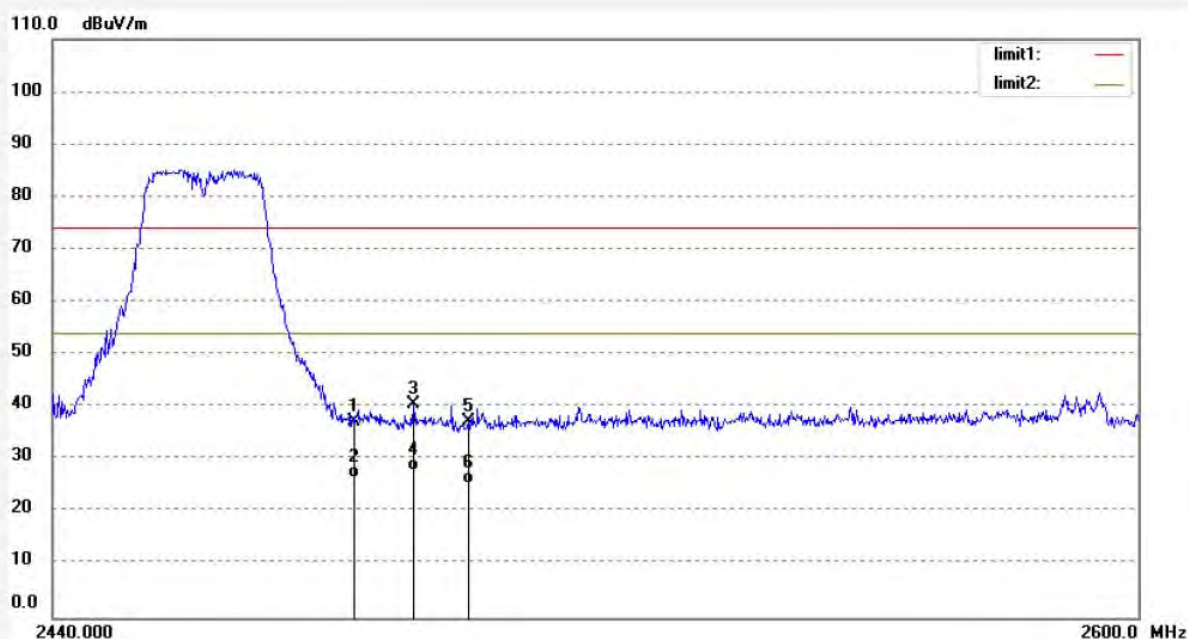
Date: 12/10/06/

Time: 14/10/25

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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   | 2483.500       | 44.77               | -7.37          | 37.40              | 74.00             | -36.60         | peak     |                |                  |        |
| 2   | 2483.500       | 33.80               | -7.37          | 26.43              | 54.00             | -27.57         | AVG      |                |                  |        |
| 3   | 2492.102       | 48.02               | -7.39          | 40.63              | 74.00             | -33.37         | peak     |                |                  |        |
| 4   | 2492.102       | 35.17               | -7.39          | 27.78              | 54.00             | -26.22         | AVG      |                |                  |        |
| 5   | 2500.000       | 44.65               | -7.40          | 37.25              | 74.00             | -36.75         | peak     |                |                  |        |
| 6   | 2500.000       | 32.93               | -7.40          | 25.53              | 54.00             | -28.47         | AVG      |                |                  |        |



# **ACCURATE TECHNOLOGY CO., LTD.**

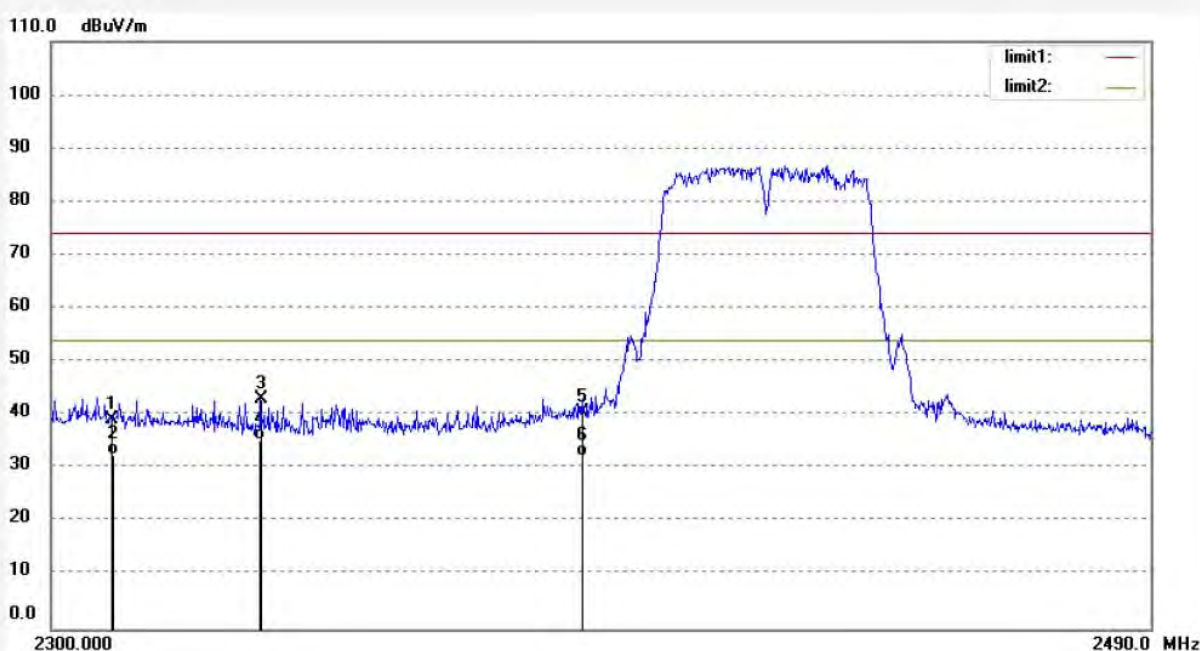
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2573  
Standard: FCC 15C PK  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 49 %  
EUT: IP CAMERA  
Mode: TX Channel 3(802.11n)40MHz  
Model: XPY320  
Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 12/10/06/  
Time: 14/39/42  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2310.000    | 47.08            | -7.81       | 39.27           | 74.00          | -34.73      | peak     |             |               |        |
| 2   | 2310.000    | 40.28            | -7.81       | 32.47           | 54.00          | -21.53      | AVG      |             |               |        |
| 3   | 2335.020    | 50.71            | -7.80       | 42.91           | 74.00          | -31.09      | peak     |             |               |        |
| 4   | 2335.020    | 43.17            | -7.80       | 35.37           | 54.00          | -18.63      | AVG      |             |               |        |
| 5   | 2390.000    | 47.97            | -7.53       | 40.44           | 74.00          | -33.56      | peak     |             |               |        |
| 6   | 2390.000    | 39.83            | -7.53       | 32.30           | 54.00          | -21.70      | AVG      |             |               |        |



# **ACCURATE TECHNOLOGY CO., LTD.**

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2572

Standard: FCC 15C PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 3(802.11n)40MHz

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

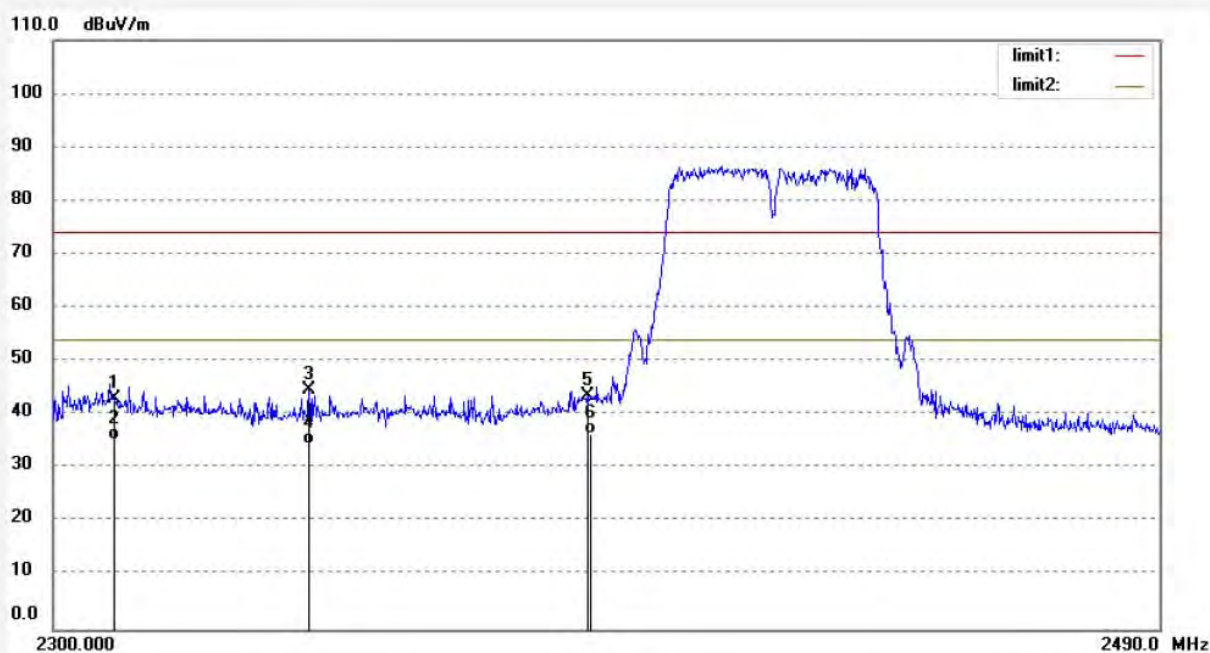
Date: 12/10/06/

Time: 14/33/52

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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   | 2310.000       | 50.94               | -7.81          | 43.13              | 74.00             | -30.87         | peak     |                |                  |        |
| 2   | 2310.000       | 43.08               | -7.81          | 35.27              | 54.00             | -18.73         | AVG      |                |                  |        |
| 3   | 2342.646       | 52.49               | -7.79          | 44.70              | 74.00             | -29.30         | peak     |                |                  |        |
| 4   | 2342.646       | 42.18               | -7.79          | 34.39              | 54.00             | -19.61         | AVG      |                |                  |        |
| 5   | 2390.000       | 51.17               | -7.53          | 43.64              | 74.00             | -30.36         | peak     |                |                  |        |
| 6   | 2390.000       | 43.99               | -7.53          | 36.46              | 54.00             | -17.54         | AVG      |                |                  |        |



# ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2570

Standard: FCC 15C PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 9(802.11n)40MHz

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

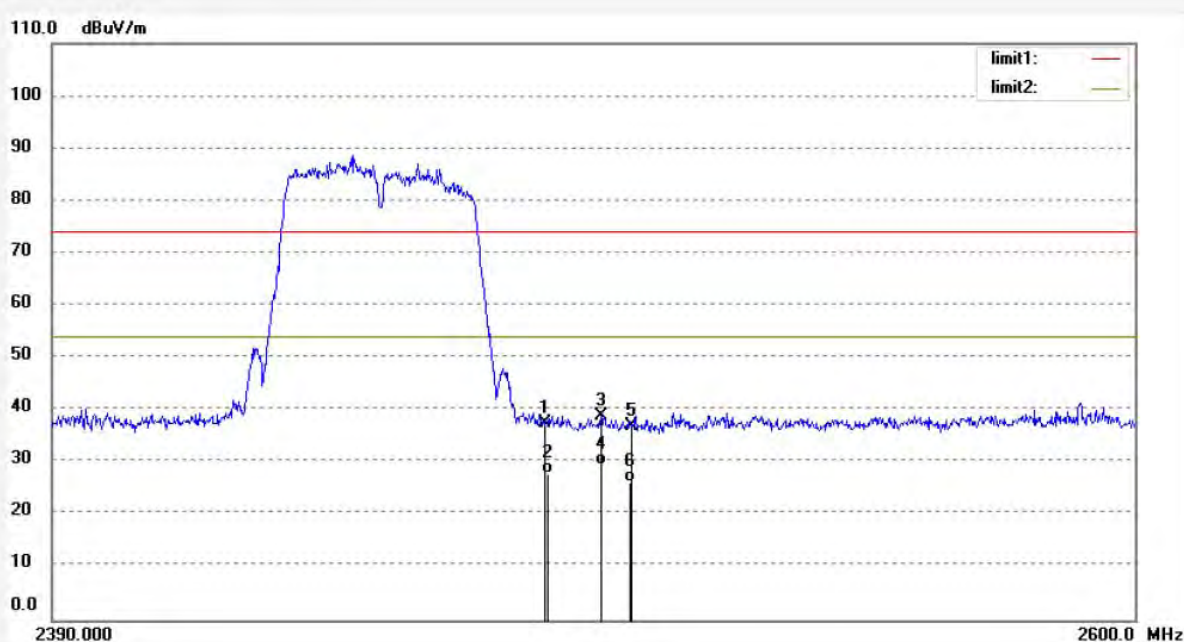
Date: 12/10/06/

Time: 14/21/19

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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   | 2483.500       | 44.87               | -7.37          | 37.50              | 74.00             | -36.50         | peak     |                |                  |        |
| 2   | 2483.500       | 35.17               | -7.37          | 27.80              | 54.00             | -26.20         | AVG      |                |                  |        |
| 3   | 2494.262       | 46.29               | -7.39          | 38.90              | 74.00             | -35.10         | peak     |                |                  |        |
| 4   | 2494.262       | 36.99               | -7.39          | 29.60              | 54.00             | -24.40         | AVG      |                |                  |        |
| 5   | 2500.000       | 44.48               | -7.40          | 37.08              | 74.00             | -36.92         | peak     |                |                  |        |
| 6   | 2500.000       | 33.55               | -7.40          | 26.15              | 54.00             | -27.85         | AVG      |                |                  |        |



# ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2571

Standard: FCC 15C PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 9(802.11n)40MHz

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

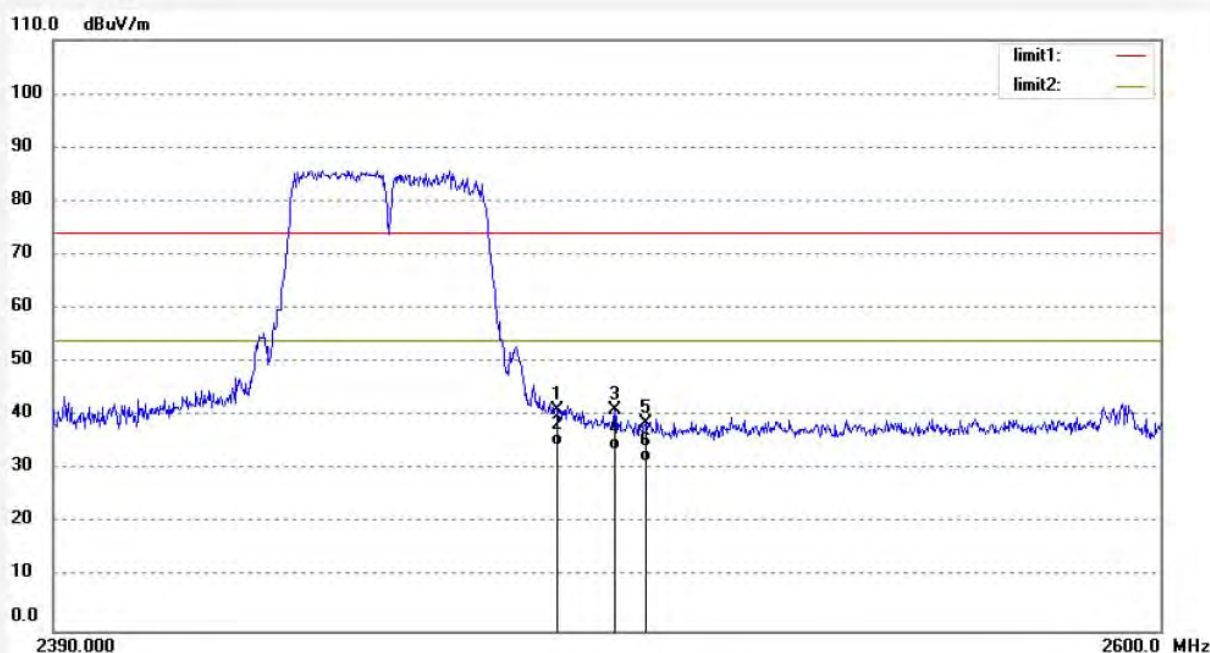
Date: 12/10/06/

Time: 14/27/55

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267

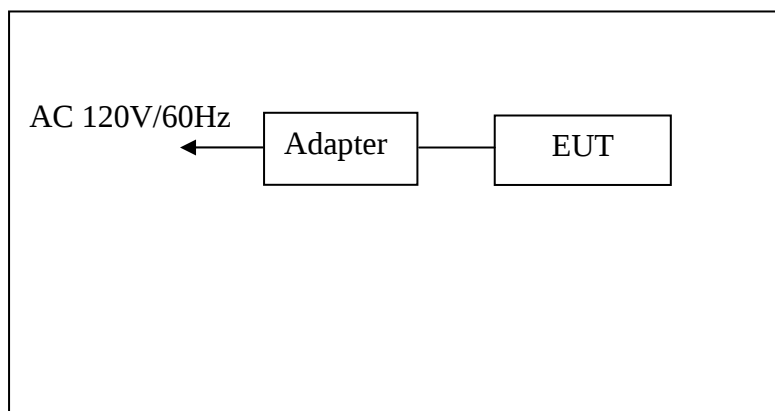


| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2483.500    | 48.40            | -7.37       | 41.03           | 74.00          | -32.97      | peak     |             |               |        |
| 2   | 2483.500    | 41.89            | -7.37       | 34.52           | 54.00          | -19.48      | AVG      |             |               |        |
| 3   | 2494.262    | 48.52            | -7.39       | 41.13           | 74.00          | -32.87      | peak     |             |               |        |
| 4   | 2494.262    | 41.00            | -7.39       | 33.61           | 54.00          | -20.39      | AVG      |             |               |        |
| 5   | 2500.000    | 46.08            | -7.40       | 38.68           | 74.00          | -35.32      | peak     |             |               |        |
| 6   | 2500.000    | 38.91            | -7.40       | 31.51           | 54.00          | -22.49      | AVG      |             |               |        |

## 9. RADIATED SPURIOUS EMISSION TEST

### 9.1. Block Diagram of Test Setup

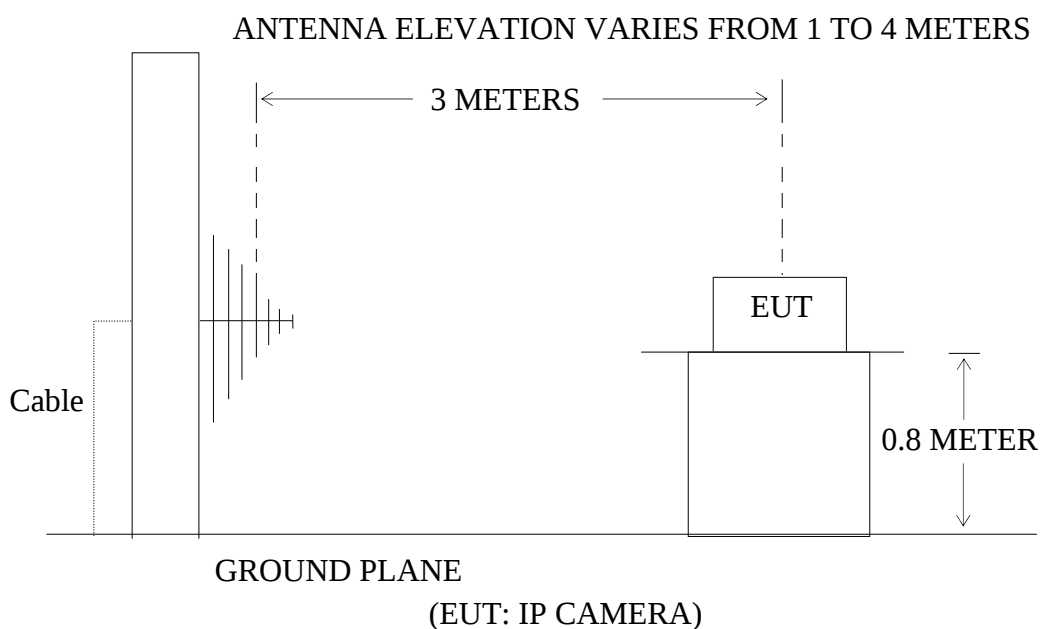
#### 9.1.1. Block diagram of connection between the EUT and peripherals



Setup: Transmitting mode

(EUT: IP CAMERA)

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



(EUT: IP CAMERA)

## 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 following 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.

### 9.4.1.IP CAMERA (EUT)

Model Number : XPY320  
 Serial Number : N/A  
 Manufacturer : NEXXT SOLUTIONS

## 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. 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 bilog 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 interface cables must be manipulated according to ANSI C63.4: 2009 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 bandwidth of test receiver is set at 9kHz in below 30MHz. and set at 120kHz in 30-1000MHz, and 1MHz in above 1000MHz.

The frequency range from 9kHz to 25GHz is checked.

The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

The field strength is calculated by adding the antenna factor, and cable loss, and subtracting the amplifier gain from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

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

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

### PASS.

|               |                             |                |              |
|---------------|-----------------------------|----------------|--------------|
| Date of Test: | October 6, 2012             | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                   | Humidity:      | 50%          |
| Model No.:    | XPY320                      | Power Supply:  | AC 120V/60HZ |
| Test Mode:    | 802.11b Channel Low 2412MHz | Test Engineer: | Pei          |

#### For Below 30MHz

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor(dB<br>Corr. | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|--------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                    | QP                 | QP                | QP             |              |
| -                  | -                   | -                  | -                  | -                 | -              | X            |
| -                  | -                   | -                  | -                  | -                 | -              | Y            |
| -                  | -                   | -                  | -                  | -                 | -              | Z            |

#### For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor<br>Corr.<br>(dB) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                         | QP                 | QP                | QP             |              |
| 154.2427           | 19.30               | 11.56                   | 30.86              | 43.50             | -12.64         | Vertical     |
| 268.7212           | 14.15               | 18.32                   | 32.47              | 46.00             | -13.53         |              |
| 312.5482           | 17.30               | 19.13                   | 36.43              | 46.00             | -9.57          |              |
| 268.7212           | 24.20               | 18.32                   | 42.52              | 46.00             | -3.48          | Horizontal   |
| 312.5482           | 24.68               | 19.13                   | 43.81              | 46.00             | -2.19          |              |
| 346.0740           | 22.52               | 20.37                   | 42.89              | 46.00             | -3.11          |              |

#### For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading(dBμV/m) |      | Factor<br>Corr. (dB) | Result(dBμV/m) |      | Limit(dBμV/m) |      | Margin(dBμV/m) |      | Polarization |
|--------------------|-----------------|------|----------------------|----------------|------|---------------|------|----------------|------|--------------|
|                    | AV              | PEAK |                      | AV             | PEAK | AV            | PEAK | AV             | PEAK |              |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Vertical     |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Horizontal   |

- 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.**

|               |                                |                |              |
|---------------|--------------------------------|----------------|--------------|
| Date of Test: | October 6, 2012                | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                      | Humidity:      | 50%          |
| Model No.:    | XPY320                         | Power Supply:  | AC 120V/60HZ |
| Test Mode:    | 802.11b Channel Middle 2437MHz | Test Engineer: | Pei          |

**For Below 30MHz**

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor(dB)<br>Corr. | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|---------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                     | QP                 | QP                | QP             |              |
| -                  | -                   | -                   | -                  | -                 | -              | X            |
| -                  | -                   | -                   | -                  | -                 | -              | Y            |
| -                  | -                   | -                   | -                  | -                 | -              | Z            |

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor<br>Corr.<br>(dB) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                         | QP                 | QP                | QP             |              |
| 154.2427           | 20.32               | 11.56                   | 31.88              | 43.50             | -11.62         | Vertical     |
| 268.7212           | 15.32               | 18.32                   | 33.64              | 46.00             | -12.36         |              |
| 312.5482           | 17.03               | 19.13                   | 36.16              | 46.00             | -9.84          |              |
| 268.7212           | 25.14               | 18.32                   | 43.46              | 46.00             | -2.54          | Horizontal   |
| 312.5482           | 25.46               | 19.13                   | 44.59              | 46.00             | -1.41          |              |
| 346.0740           | 21.12               | 20.37                   | 41.49              | 46.00             | -4.51          |              |

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading(dBμV/m) |      | Factor<br>Corr. (dB) | Result(dBμV/m) |      | Limit(dBμV/m) |      | Margin(dBμV/m) |      | Polarization |
|--------------------|-----------------|------|----------------------|----------------|------|---------------|------|----------------|------|--------------|
|                    | AV              | PEAK |                      | AV             | PEAK | AV            | PEAK | AV             | PEAK |              |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Vertical     |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Horizontal   |

**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.**

|               |                              |                |              |
|---------------|------------------------------|----------------|--------------|
| Date of Test: | October 6, 2012              | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                    | Humidity:      | 50%          |
| Model No.:    | XPY320                       | Power Supply:  | AC 120V/60HZ |
| Test Mode:    | 802.11b Channel High 2462MHz | Test Engineer: | Pei          |

**For Below 30MHz**

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor(dB)<br>Corr. | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|---------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                     | QP                 | QP                | QP             |              |
| -                  | -                   | -                   | -                  | -                 | -              | X            |
| -                  | -                   | -                   | -                  | -                 | -              | Y            |
| -                  | -                   | -                   | -                  | -                 | -              | Z            |

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor<br>Corr.<br>(dB) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                         | QP                 | QP                | QP             |              |
| 154.2428           | 21.42               | 11.56                   | 32.98              | 43.50             | -10.52         | Vertical     |
| 312.5482           | 16.89               | 19.13                   | 36.02              | 46.00             | -9.98          |              |
| 412.5395           | 13.13               | 22.96                   | 36.09              | 46.00             | -9.91          |              |
| 268.7212           | 24.76               | 18.32                   | 43.08              | 46.00             | -2.92          | Horizontal   |
| 312.5482           | 24.26               | 19.13                   | 43.39              | 46.00             | -2.61          |              |
| 346.0740           | 20.99               | 20.37                   | 41.36              | 46.00             | -4.64          |              |

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading(dBμV/m) |      | Factor<br>Corr. (dB) | Result(dBμV/m) |      | Limit(dBμV/m) |      | Margin(dBμV/m) |      | Polarization |
|--------------------|-----------------|------|----------------------|----------------|------|---------------|------|----------------|------|--------------|
|                    | AV              | PEAK |                      | AV             | PEAK | AV            | PEAK | AV             | PEAK |              |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Vertical     |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Horizontal   |

**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.**

|               |                             |                |              |
|---------------|-----------------------------|----------------|--------------|
| Date of Test: | October 6, 2012             | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                   | Humidity:      | 50%          |
| Model No.:    | XPY320                      | Power Supply:  | AC 120V/60HZ |
| Test Mode:    | 802.11g Channel Low 2412MHz | Test Engineer: | Pei          |

**For Below 30MHz**

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor(dB)<br>Corr. | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|---------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                     | QP                 | QP                | QP             |              |
| -                  | -                   | -                   | -                  | -                 | -              | X            |
| -                  | -                   | -                   | -                  | -                 | -              | Y            |
| -                  | -                   | -                   | -                  | -                 | -              | Z            |

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor<br>Corr.<br>(dB) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                         | QP                 | QP                | QP             |              |
| 231.0398           | 15.83               | 16.05                   | 31.88              | 46.00             | -14.12         | Vertical     |
| 268.7212           | 14.95               | 18.32                   | 33.27              | 46.00             | -12.73         |              |
| 312.5482           | 17.33               | 19.13                   | 36.46              | 46.00             | -9.54          |              |
| 268.7212           | 24.72               | 18.32                   | 43.04              | 46.00             | -2.96          | Horizontal   |
| 312.5482           | 24.90               | 19.13                   | 44.03              | 46.00             | -1.97          |              |
| 346.0740           | 21.04               | 20.37                   | 41.41              | 46.00             | -4.59          |              |

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading(dBμV/m) |      | Factor<br>Corr. (dB) | Result(dBμV/m) |      | Limit(dBμV/m) |      | Margin(dBμV/m) |      | Polarization |
|--------------------|-----------------|------|----------------------|----------------|------|---------------|------|----------------|------|--------------|
|                    | AV              | PEAK |                      | AV             | PEAK | AV            | PEAK | AV             | PEAK |              |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Vertical     |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Horizontal   |

**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.**

|               |                                |                |              |
|---------------|--------------------------------|----------------|--------------|
| Date of Test: | October 6, 2012                | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                      | Humidity:      | 50%          |
| Model No.:    | XPY320                         | Power Supply:  | AC 120V/60HZ |
| Test Mode:    | 802.11g Channel Middle 2437MHz | Test Engineer: | Pei          |

**For Below 30MHz**

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor(dB)<br>Corr. | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|---------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                     | QP                 | QP                | QP             |              |
| -                  | -                   | -                   | -                  | -                 | -              | X            |
| -                  | -                   | -                   | -                  | -                 | -              | Y            |
| -                  | -                   | -                   | -                  | -                 | -              | Z            |

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor<br>Corr.<br>(dB) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                         | QP                 | QP                | QP             |              |
| 154.2428           | 21.07               | 11.56                   | 32.63              | 43.50             | -10.87         | Vertical     |
| 312.5482           | 16.67               | 19.13                   | 35.80              | 46.00             | -10.20         |              |
| 402.5168           | 16.76               | 22.39                   | 39.15              | 46.00             | -6.85          |              |
| 154.2427           | 27.51               | 11.56                   | 39.07              | 43.50             | -4.43          | Horizontal   |
| 268.7212           | 25.47               | 18.32                   | 43.79              | 46.00             | -2.21          |              |
| 312.5482           | 23.62               | 19.13                   | 42.75              | 46.00             | -3.25          |              |

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading(dBμV/m) |      | Factor<br>Corr. (dB) | Result(dBμV/m) |      | Limit(dBμV/m) |      | Margin(dBμV/m) |      | Polarization |
|--------------------|-----------------|------|----------------------|----------------|------|---------------|------|----------------|------|--------------|
|                    | AV              | PEAK |                      | AV             | PEAK | AV            | PEAK | AV             | PEAK |              |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Vertical     |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Horizontal   |

**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.**

|               |                              |                |              |
|---------------|------------------------------|----------------|--------------|
| Date of Test: | October 6, 2012              | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                    | Humidity:      | 50%          |
| Model No.:    | XPY320                       | Power Supply:  | AC 120V/60HZ |
| Test Mode:    | 802.11g Channel High 2462MHz | Test Engineer: | Pei          |

**For Below 30MHz**

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor(dB)<br>Corr. | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|---------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                     | QP                 | QP                | QP             |              |
| -                  | -                   | -                   | -                  | -                 | -              | X            |
| -                  | -                   | -                   | -                  | -                 | -              | Y            |
| -                  | -                   | -                   | -                  | -                 | -              | Z            |

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor<br>Corr.<br>(dB) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                         | QP                 | QP                | QP             |              |
| 154.2427           | 22.79               | 11.56                   | 34.35              | 43.50             | -9.15          | Vertical     |
| 312.5482           | 17.18               | 19.13                   | 36.31              | 46.00             | -9.69          |              |
| 402.5167           | 14.46               | 22.39                   | 36.85              | 46.00             | -9.15          |              |
| 268.7212           | 25.14               | 18.32                   | 43.46              | 46.00             | -2.54          | Horizontal   |
| 312.5482           | 24.78               | 19.13                   | 43.91              | 46.00             | -2.09          |              |
| 346.0740           | 21.20               | 20.37                   | 41.57              | 46.00             | -4.43          |              |

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading(dBμV/m) |      | Factor<br>Corr. (dB) | Result(dBμV/m) |      | Limit(dBμV/m) |      | Margin(dBμV/m) |      | Polarization |
|--------------------|-----------------|------|----------------------|----------------|------|---------------|------|----------------|------|--------------|
|                    | AV              | PEAK |                      | AV             | PEAK | AV            | PEAK | AV             | PEAK |              |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Vertical     |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Horizontal   |

**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.**

|               |                             |                |              |
|---------------|-----------------------------|----------------|--------------|
| Date of Test: | October 6, 2012             | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                   | Humidity:      | 50%          |
| Model No.:    | XPY320                      | Power Supply:  | AC 120V/60HZ |
|               | 802.11n Channel Low 2412MHz |                |              |
| Test Mode:    | (20MHz)                     | Test Engineer: | Pei          |

**For Below 30MHz**

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor(dB)<br>Corr. | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|---------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                     | QP                 | QP                | QP             |              |
| -                  | -                   | -                   | -                  | -                 | -              | X            |
| -                  | -                   | -                   | -                  | -                 | -              | Y            |
| -                  | -                   | -                   | -                  | -                 | -              | Z            |

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor<br>Corr.<br>(dB) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                         | QP                 | QP                | QP             |              |
| 154.2428           | 20.65               | 11.56                   | 32.21              | 43.50             | -11.29         | Vertical     |
| 268.7212           | 14.78               | 18.32                   | 33.10              | 46.00             | -12.90         |              |
| 312.5482           | 17.32               | 19.13                   | 36.45              | 46.00             | -9.55          |              |
| 268.7212           | 24.89               | 18.32                   | 43.21              | 46.00             | -2.79          | Horizontal   |
| 312.5482           | 24.87               | 19.13                   | 44.00              | 46.00             | -2.00          |              |
| 346.0740           | 21.20               | 20.37                   | 41.57              | 46.00             | -4.43          |              |

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading(dBμV/m) |      | Factor<br>Corr. (dB) | Result(dBμV/m) |      | Limit(dBμV/m) |      | Margin(dBμV/m) |      | Polarization |
|--------------------|-----------------|------|----------------------|----------------|------|---------------|------|----------------|------|--------------|
|                    | AV              | PEAK |                      | AV             | PEAK | AV            | PEAK | AV             | PEAK |              |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Vertical     |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Horizontal   |

**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.**

|               |                                           |                |              |
|---------------|-------------------------------------------|----------------|--------------|
| Date of Test: | October 6, 2012                           | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                                 | Humidity:      | 50%          |
| Model No.:    | XPY320                                    | Power Supply:  | AC 120V/60HZ |
| Test Mode:    | 802.11n Channel Middle 2437MHz<br>(20MHz) | Test Engineer: | Pei          |

**For Below 30MHz**

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor(dB)<br>Corr. | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|---------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                     | QP                 | QP                | QP             |              |
| -                  | -                   | -                   | -                  | -                 | -              | X            |
| -                  | -                   | -                   | -                  | -                 | -              | Y            |
| -                  | -                   | -                   | -                  | -                 | -              | Z            |

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor<br>Corr.<br>(dB) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                         | QP                 | QP                | QP             |              |
| 154.2427           | 22.93               | 11.56                   | 34.49              | 43.50             | -9.01          | Vertical     |
| 268.7212           | 14.03               | 18.32                   | 32.35              | 46.00             | -13.65         |              |
| 312.5482           | 17.56               | 19.13                   | 36.69              | 46.00             | -9.31          |              |
| 268.7212           | 25.14               | 18.32                   | 43.46              | 46.00             | -2.54          | Horizontal   |
| 312.5482           | 24.78               | 19.13                   | 43.91              | 46.00             | -2.09          |              |
| 346.0740           | 20.95               | 20.37                   | 41.32              | 46.00             | -4.68          |              |

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading(dBμV/m) |      | Factor<br>Corr. (dB) | Result(dBμV/m) |      | Limit(dBμV/m) |      | Margin(dBμV/m) |      | Polarization |
|--------------------|-----------------|------|----------------------|----------------|------|---------------|------|----------------|------|--------------|
|                    | AV              | PEAK |                      | AV             | PEAK | AV            | PEAK | AV             | PEAK |              |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Vertical     |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Horizontal   |

**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.**

|               |                              |                |              |
|---------------|------------------------------|----------------|--------------|
| Date of Test: | October 6, 2012              | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                    | Humidity:      | 50%          |
| Model No.:    | XPY320                       | Power Supply:  | AC 120V/60HZ |
|               | 802.11n Channel High 2462MHz |                |              |
| Test Mode:    | (20MHz)                      | Test Engineer: | Pei          |

**For Below 30MHz**

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor(dB)<br>Corr. | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|---------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                     | QP                 | QP                | QP             |              |
| -                  | -                   | -                   | -                  | -                 | -              | X            |
| -                  | -                   | -                   | -                  | -                 | -              | Y            |
| -                  | -                   | -                   | -                  | -                 | -              | Z            |

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor<br>Corr.<br>(dB) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                         | QP                 | QP                | QP             |              |
| 154.2428           | 21.79               | 11.56                   | 33.35              | 43.50             | -10.15         | Vertical     |
| 231.0399           | 16.98               | 16.05                   | 33.03              | 46.00             | -12.97         |              |
| 312.5482           | 17.03               | 19.13                   | 36.16              | 46.00             | -9.84          |              |
| 268.7212           | 24.32               | 18.32                   | 42.64              | 46.00             | -3.36          | Horizontal   |
| 312.5482           | 24.79               | 19.13                   | 43.92              | 46.00             | -2.08          |              |
| 346.0740           | 21.02               | 20.37                   | 41.39              | 46.00             | -4.61          |              |

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading(dBμV/m) |      | Factor<br>Corr. (dB) | Result(dBμV/m) |      | Limit(dBμV/m) |      | Margin(dBμV/m) |      | Polarization |
|--------------------|-----------------|------|----------------------|----------------|------|---------------|------|----------------|------|--------------|
|                    | AV              | PEAK |                      | AV             | PEAK | AV            | PEAK | AV             | PEAK |              |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Vertical     |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Horizontal   |

**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.**

|               |                             |                |              |
|---------------|-----------------------------|----------------|--------------|
| Date of Test: | October 6, 2012             | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                   | Humidity:      | 50%          |
| Model No.:    | XPY320                      | Power Supply:  | AC 120V/60HZ |
|               | 802.11n Channel Low 2422MHz |                |              |
| Test Mode:    | (40MHz)                     | Test Engineer: | Pei          |

**For Below 30MHz**

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor(dB)<br>Corr. | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|---------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                     | QP                 | QP                | QP             |              |
| -                  | -                   | -                   | -                  | -                 | -              | X            |
| -                  | -                   | -                   | -                  | -                 | -              | Y            |
| -                  | -                   | -                   | -                  | -                 | -              | Z            |

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor<br>Corr.<br>(dB) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                         | QP                 | QP                | QP             |              |
| 154.2427           | 21.12               | 11.56                   | 32.68              | 43.50             | -10.82         | Vertical     |
| 268.7212           | 14.29               | 18.32                   | 32.61              | 46.00             | -13.39         |              |
| 312.5482           | 17.01               | 19.13                   | 36.14              | 46.00             | -9.86          |              |
| 268.7212           | 24.49               | 18.32                   | 42.81              | 46.00             | -3.19          | Horizontal   |
| 312.5482           | 25.31               | 19.13                   | 44.44              | 46.00             | -1.56          |              |
| 346.0740           | 21.38               | 20.37                   | 41.75              | 46.00             | -4.25          |              |

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading(dBμV/m) |      | Factor<br>Corr. (dB) | Result(dBμV/m) |      | Limit(dBμV/m) |      | Margin(dBμV/m) |      | Polarization |
|--------------------|-----------------|------|----------------------|----------------|------|---------------|------|----------------|------|--------------|
|                    | AV              | PEAK |                      | AV             | PEAK | AV            | PEAK | AV             | PEAK |              |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Vertical     |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Horizontal   |

**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.**

|               |                                           |                |              |
|---------------|-------------------------------------------|----------------|--------------|
| Date of Test: | October 6, 2012                           | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                                 | Humidity:      | 50%          |
| Model No.:    | XPY320                                    | Power Supply:  | AC 120V/60HZ |
| Test Mode:    | 802.11n Channel Middle 2437MHz<br>(40MHz) | Test Engineer: | Pei          |

**For Below 30MHz**

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor(dB)<br>Corr. | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|---------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                     | QP                 | QP                | QP             |              |
| -                  | -                   | -                   | -                  | -                 | -              | X            |
| -                  | -                   | -                   | -                  | -                 | -              | Y            |
| -                  | -                   | -                   | -                  | -                 | -              | Z            |

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor<br>Corr.<br>(dB) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                         | QP                 | QP                | QP             |              |
| 154.2428           | 20.64               | 11.56                   | 32.20              | 43.50             | -11.30         | Vertical     |
| 268.7212           | 15.20               | 18.32                   | 33.52              | 46.00             | -12.48         |              |
| 312.5482           | 16.90               | 19.13                   | 36.03              | 46.00             | -9.97          |              |
| 268.7212           | 24.73               | 18.32                   | 43.05              | 46.00             | -2.95          | Horizontal   |
| 313.6482           | 25.00               | 19.15                   | 44.15              | 46.00             | -1.85          |              |
| 346.0740           | 21.23               | 20.37                   | 41.60              | 46.00             | -4.40          |              |

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading(dBμV/m) |      | Factor<br>Corr. (dB) | Result(dBμV/m) |      | Limit(dBμV/m) |      | Margin(dBμV/m) |      | Polarization |
|--------------------|-----------------|------|----------------------|----------------|------|---------------|------|----------------|------|--------------|
|                    | AV              | PEAK |                      | AV             | PEAK | AV            | PEAK | AV             | PEAK |              |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Vertical     |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Horizontal   |

**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.**

|               |                                         |                |              |
|---------------|-----------------------------------------|----------------|--------------|
| Date of Test: | October 6, 2012                         | Temperature:   | 25°C         |
| EUT:          | IP CAMERA                               | Humidity:      | 50%          |
| Model No.:    | XPY320                                  | Power Supply:  | AC 120V/60HZ |
| Test Mode:    | 802.11n Channel High 2452MHz<br>(40MHz) | Test Engineer: | Pei          |

**For Below 30MHz**

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor(dB)<br>Corr. | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|---------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                     | QP                 | QP                | QP             |              |
| -                  | -                   | -                   | -                  | -                 | -              | X            |
| -                  | -                   | -                   | -                  | -                 | -              | Y            |
| -                  | -                   | -                   | -                  | -                 | -              | Z            |

**For 30MHz-1000MHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading<br>(dBμV/m) | Factor<br>Corr.<br>(dB) | Result<br>(dBμV/m) | Limit<br>(dBμV/m) | Margin<br>(dB) | Polarization |
|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------------|
|                    | QP                  |                         | QP                 | QP                | QP             |              |
| 154.2427           | 21.06               | 11.56                   | 32.62              | 43.50             | -10.88         | Vertical     |
| 268.7212           | 13.50               | 18.32                   | 31.82              | 46.00             | -14.18         |              |
| 312.5482           | 17.72               | 19.13                   | 36.85              | 46.00             | -9.15          |              |
| 280.2936           | 24.61               | 18.29                   | 42.90              | 46.00             | -3.10          | Horizontal   |
| 312.5482           | 25.46               | 19.13                   | 44.59              | 46.00             | -1.41          |              |
| 346.0740           | 21.28               | 20.37                   | 41.65              | 46.00             | -4.35          |              |

**For 1GHz-25GHz**

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

| Frequency<br>(MHz) | Reading(dBμV/m) |      | Factor<br>Corr. (dB) | Result(dBμV/m) |      | Limit(dBμV/m) |      | Margin(dBμV/m) |      | Polarization |
|--------------------|-----------------|------|----------------------|----------------|------|---------------|------|----------------|------|--------------|
|                    | AV              | PEAK |                      | AV             | PEAK | AV            | PEAK | AV             | PEAK |              |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Vertical     |
| -                  | -               | -    | -                    | -              | -    | -             | -    | -              | -    | Horizontal   |

- 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.



# **ACCURATE TECHNOLOGY CO., LTD.**

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Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2485

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 1(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

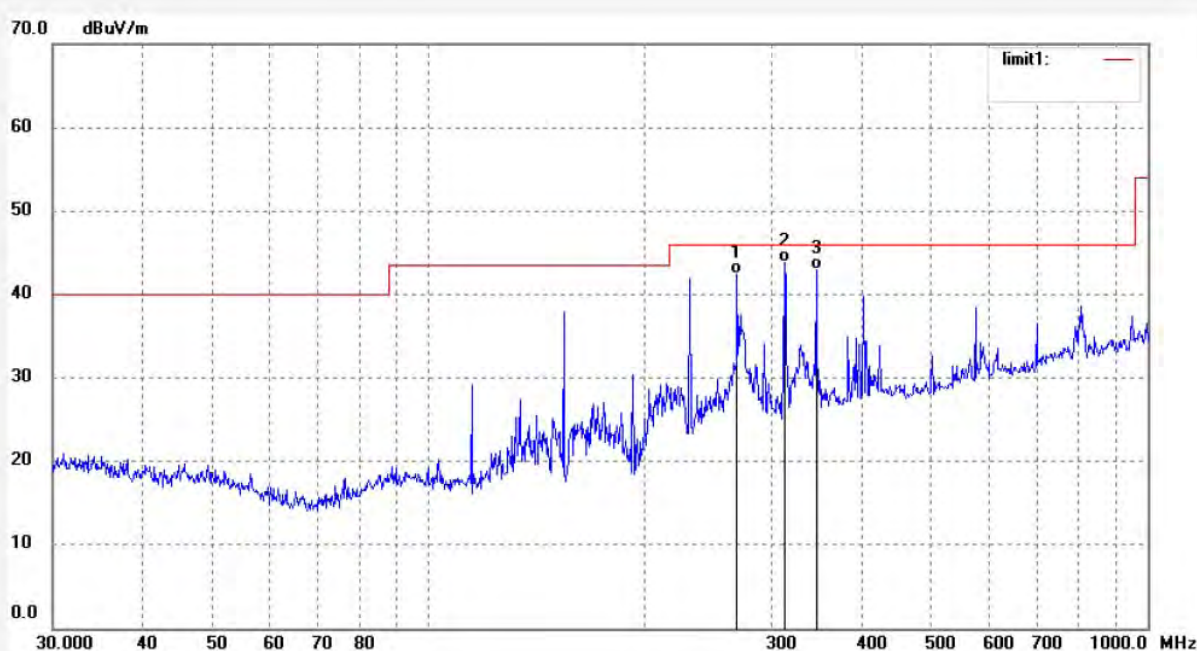
Date: 12/10/06/

Time: 8/28/28

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 268.7212    | 24.20            | 18.32       | 42.52           | 46.00          | -3.48       | QP       |             |               |        |
| 2   | 312.5482    | 24.68            | 19.13       | 43.81           | 46.00          | -2.19       | QP       |             |               |        |
| 3   | 346.0740    | 22.52            | 20.37       | 42.89           | 46.00          | -3.11       | QP       |             |               |        |


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Job No.: star #2486

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 1(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

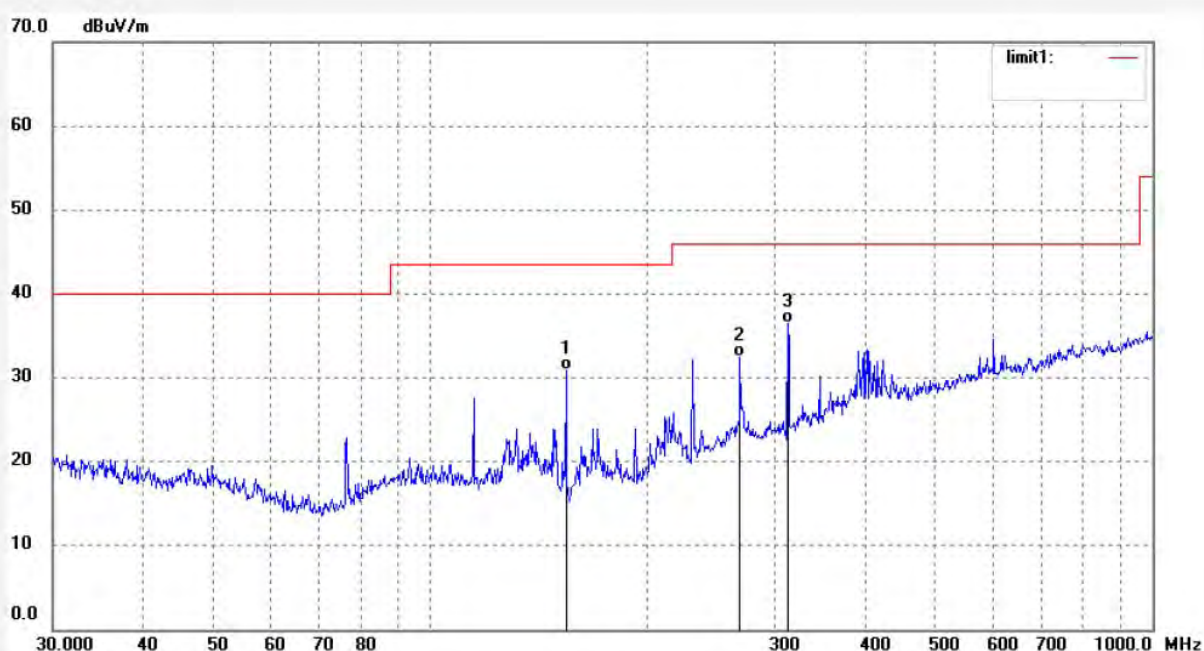
Date: 12/10/06/

Time: 8/34/10

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 154.2427    | 19.30            | 11.56       | 30.86           | 43.50          | -12.64      | QP       |             |               |        |
| 2   | 268.7212    | 14.15            | 18.32       | 32.47           | 46.00          | -13.53      | QP       |             |               |        |
| 3   | 312.5482    | 17.30            | 19.13       | 36.43           | 46.00          | -9.57       | QP       |             |               |        |


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Job No.: star #2509

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 1(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

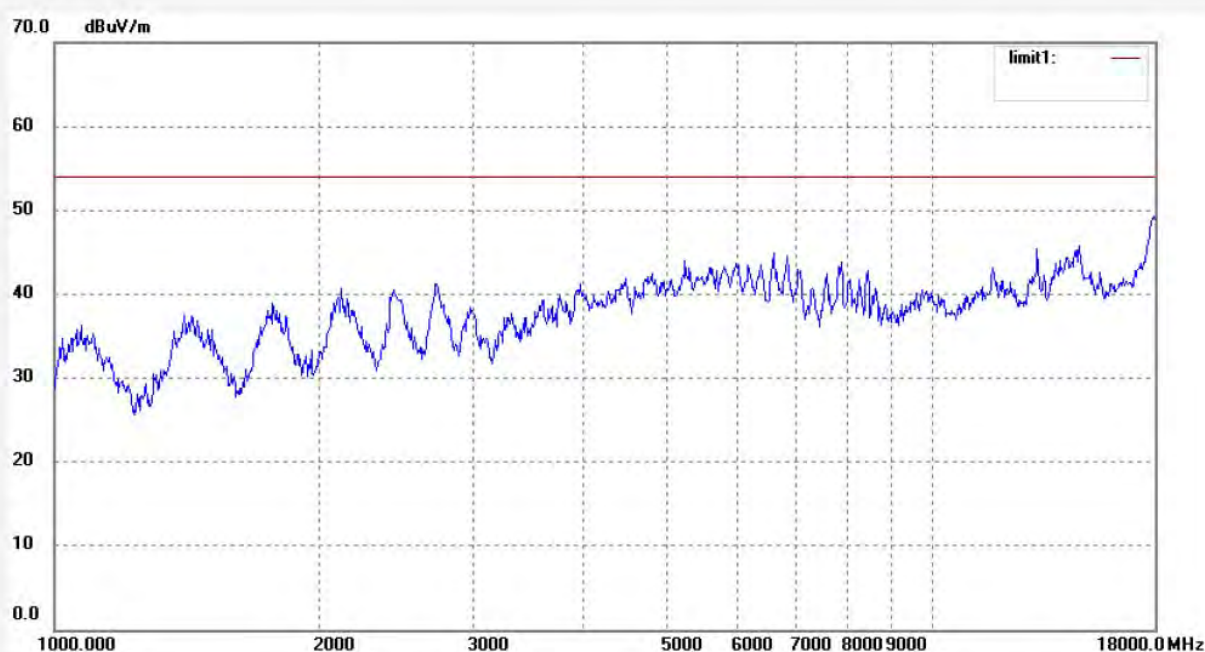
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Time: 10/02/57

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|


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Job No.: star #2510

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 1(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

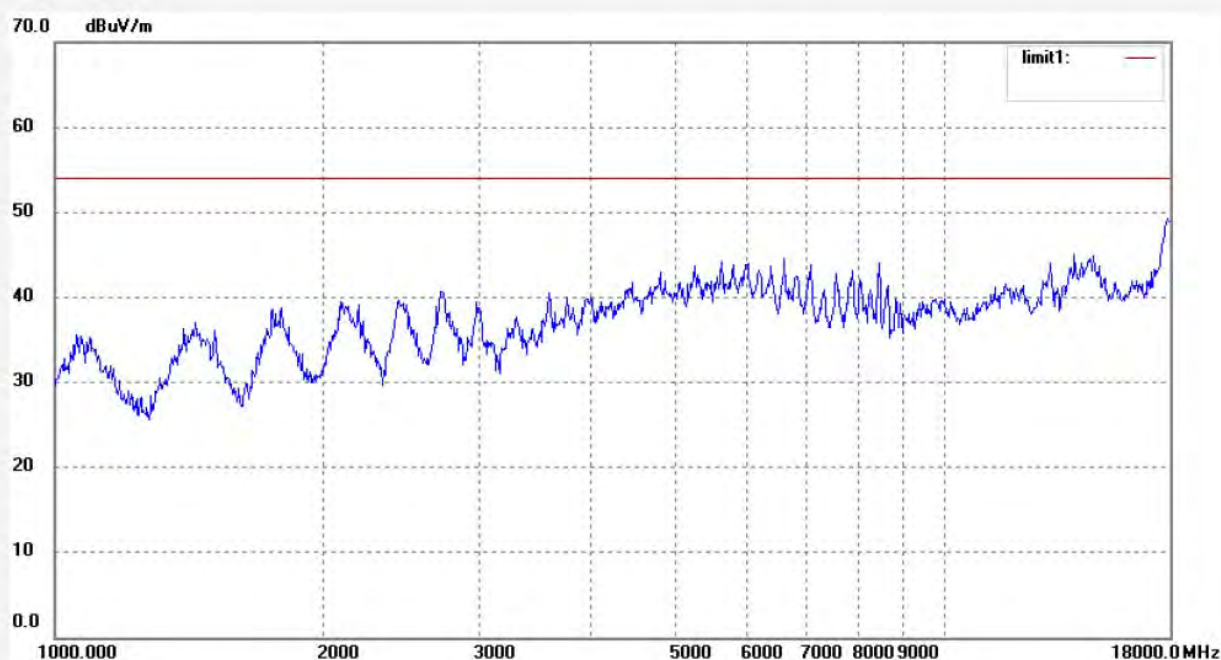
Date: 12/10/06/

Time: 10/06/21

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|



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Site: 966 chamber  
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Fax:+86-0755-26503396

Job No.: star #2533

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 1(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

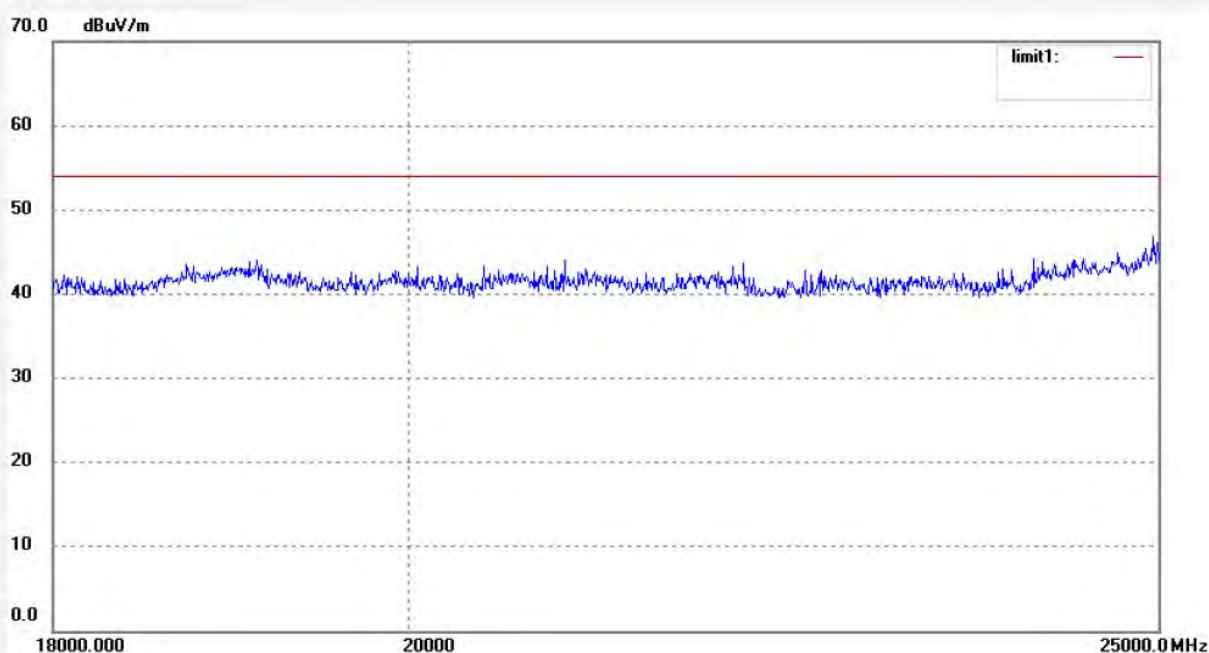
Date: 12/10/06/

Time: 11/35/40

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|


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Job No.: star #2534

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 1(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

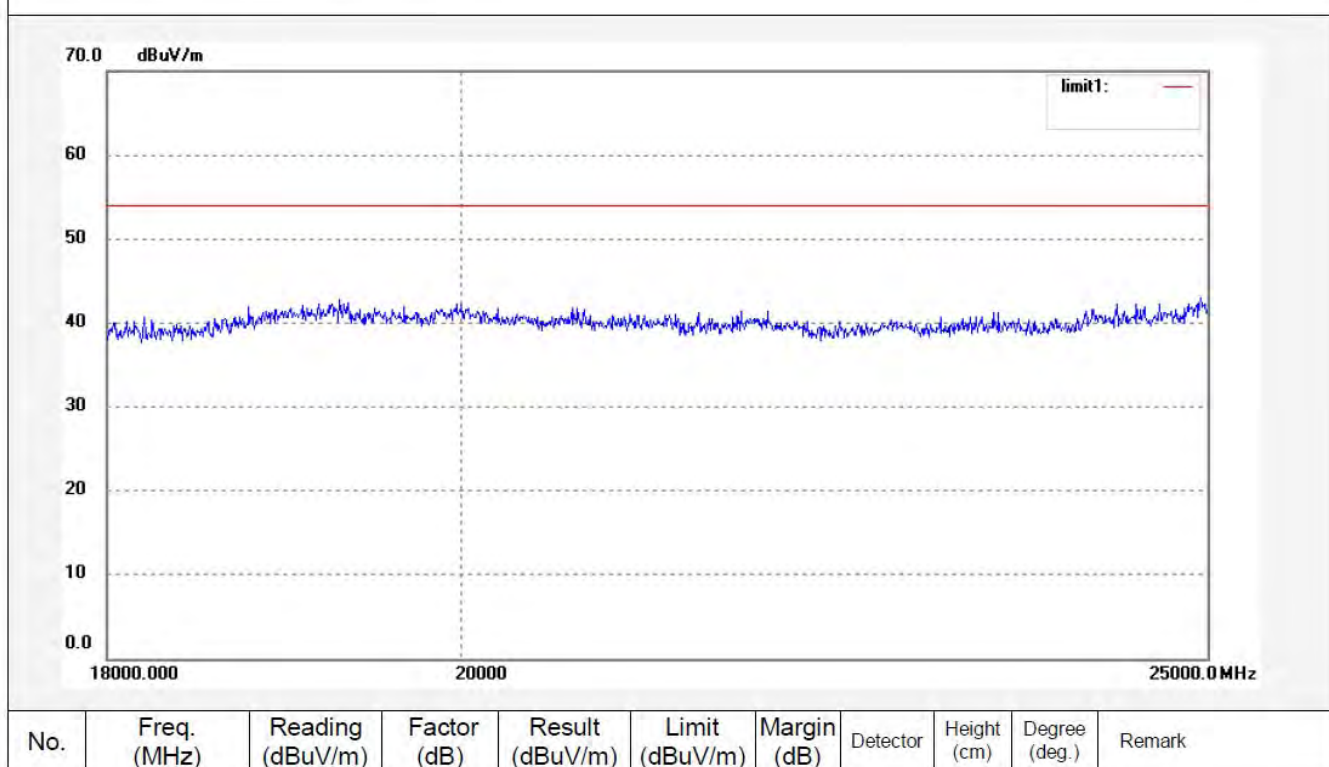
Date: 12/10/06/

Time: 11/40/47

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267





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Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2488

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 6(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

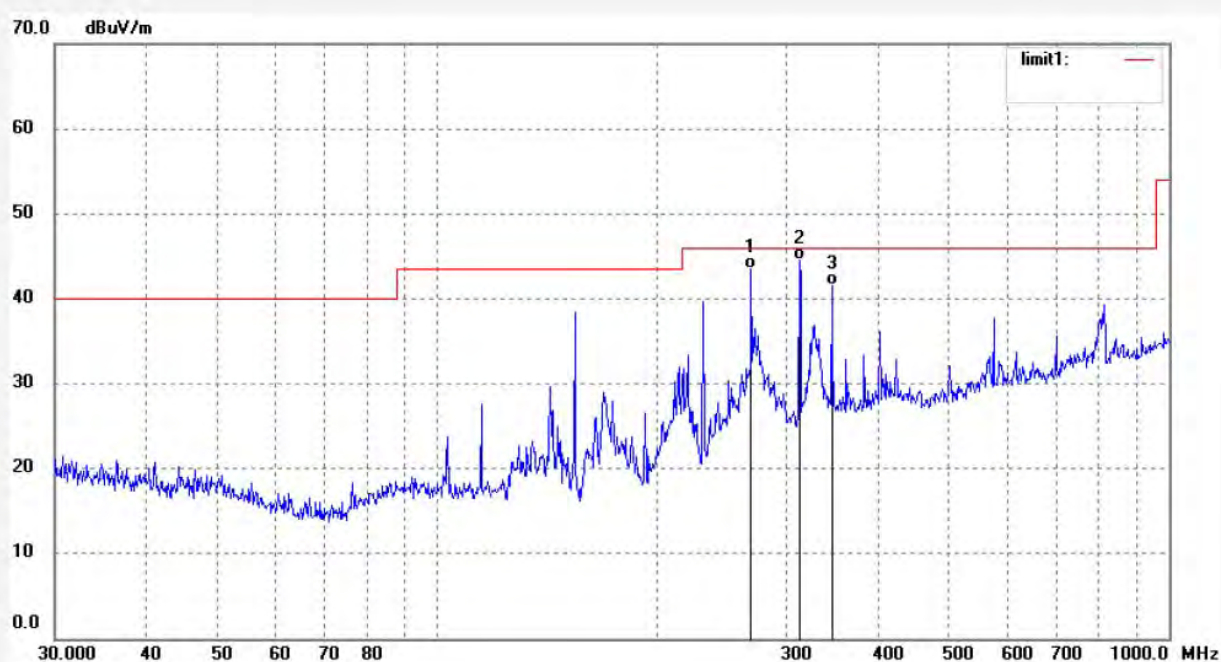
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Time: 8/42/48

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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   | 268.7212       | 25.14               | 18.32          | 43.46              | 46.00             | -2.54          | QP       |                |                  |        |
| 2   | 312.5482       | 25.46               | 19.13          | 44.59              | 46.00             | -1.41          | QP       |                |                  |        |
| 3   | 346.0740       | 21.12               | 20.37          | 41.49              | 46.00             | -4.51          | QP       |                |                  |        |



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Job No.: star #2487

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 6(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

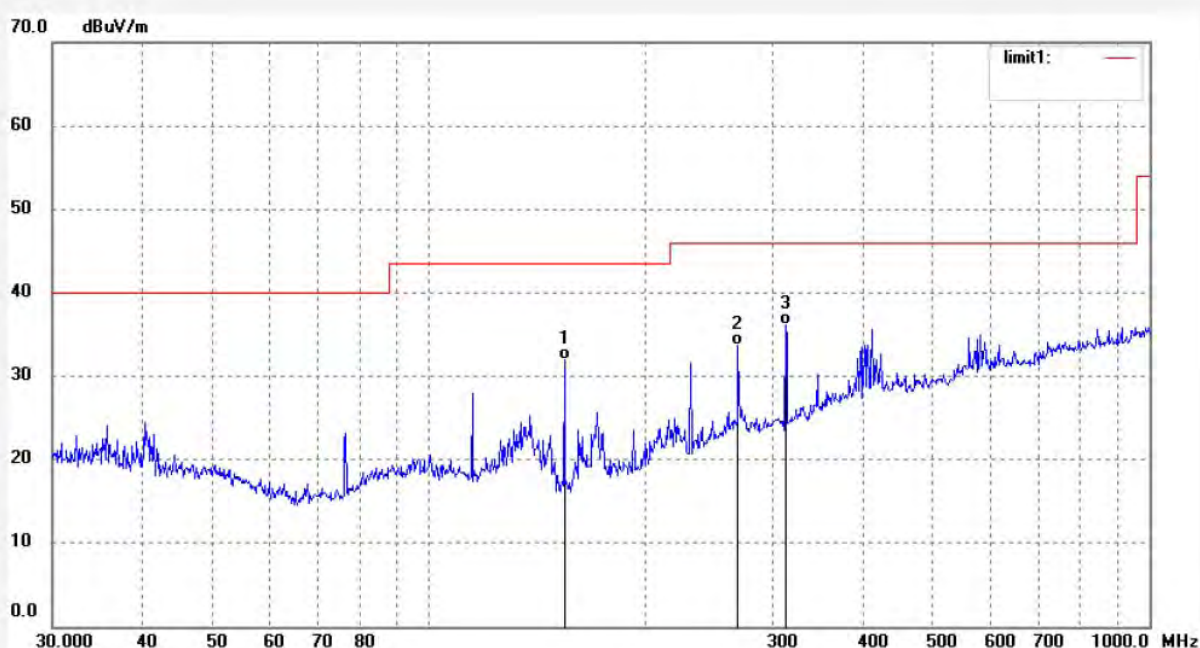
Date: 12/10/06/

Time: 8/39/53

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 154.2427    | 20.32            | 11.56       | 31.88           | 43.50          | -11.62      | QP       |             |               |        |
| 2   | 268.7212    | 15.32            | 18.32       | 33.64           | 46.00          | -12.36      | QP       |             |               |        |
| 3   | 312.5482    | 17.03            | 19.13       | 36.16           | 46.00          | -9.84       | QP       |             |               |        |



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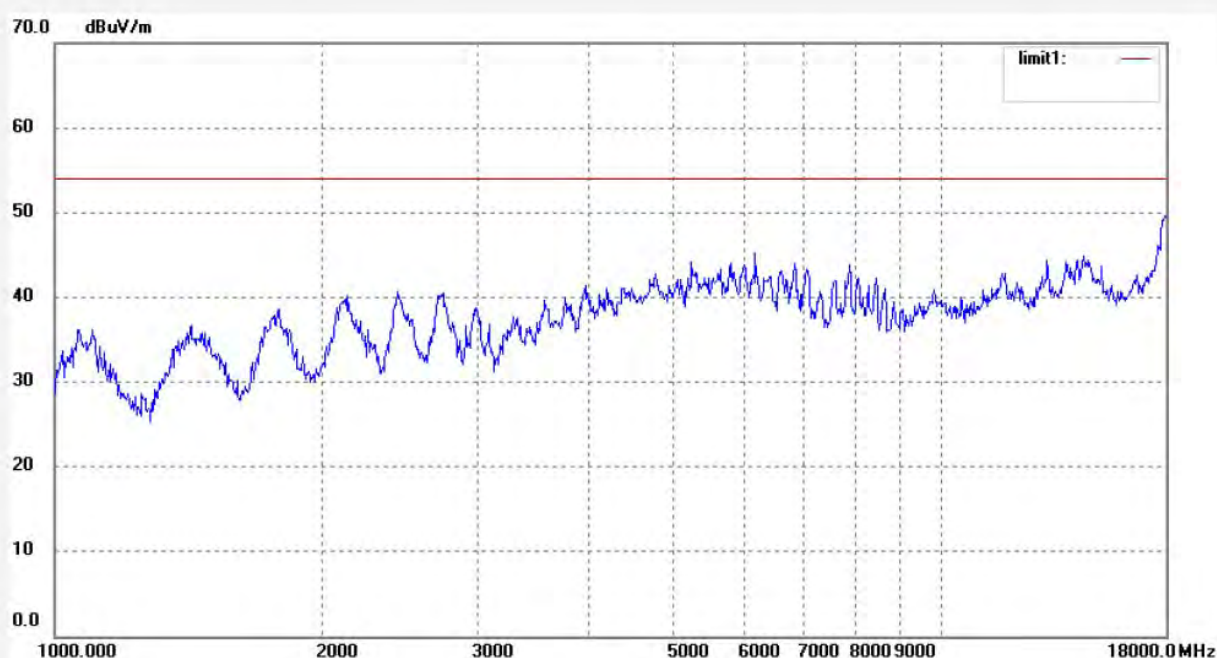
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2512  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 49 %  
EUT: IP CAMERA  
Mode: TX Channel 6(802.11b)  
Model: XPY320  
Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 12/10/06/  
Time: 10/14/21  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|



# **ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2511

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 6(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

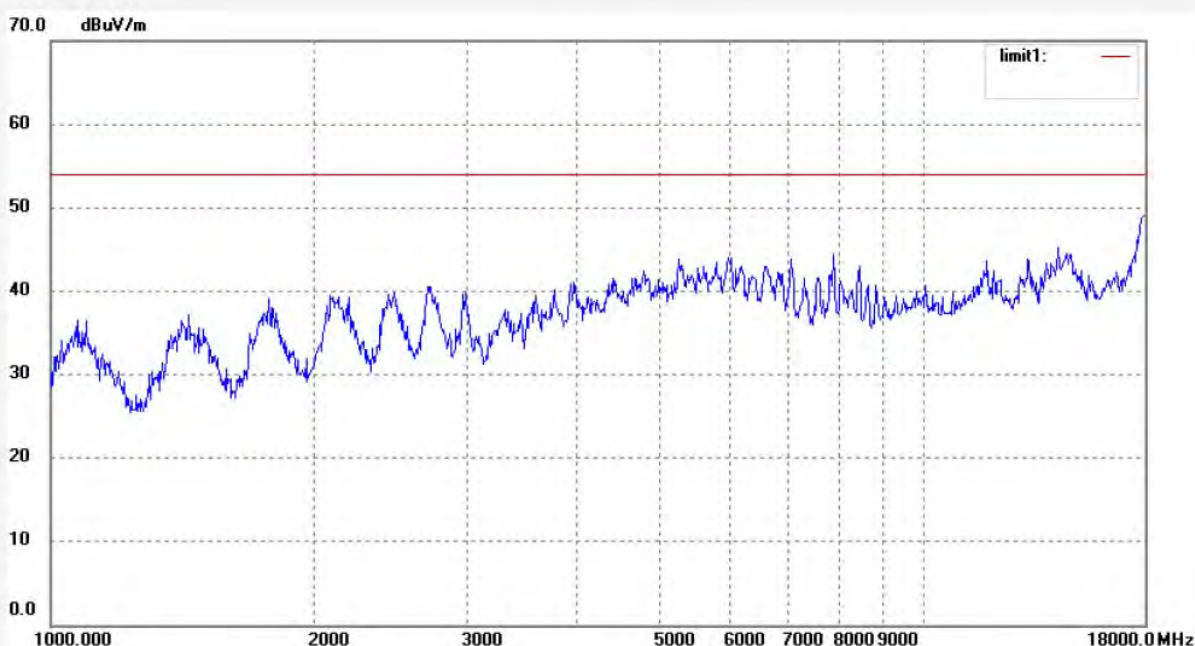
Date: 12/10/06/

Time: 10/10/42

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2535

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 6(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

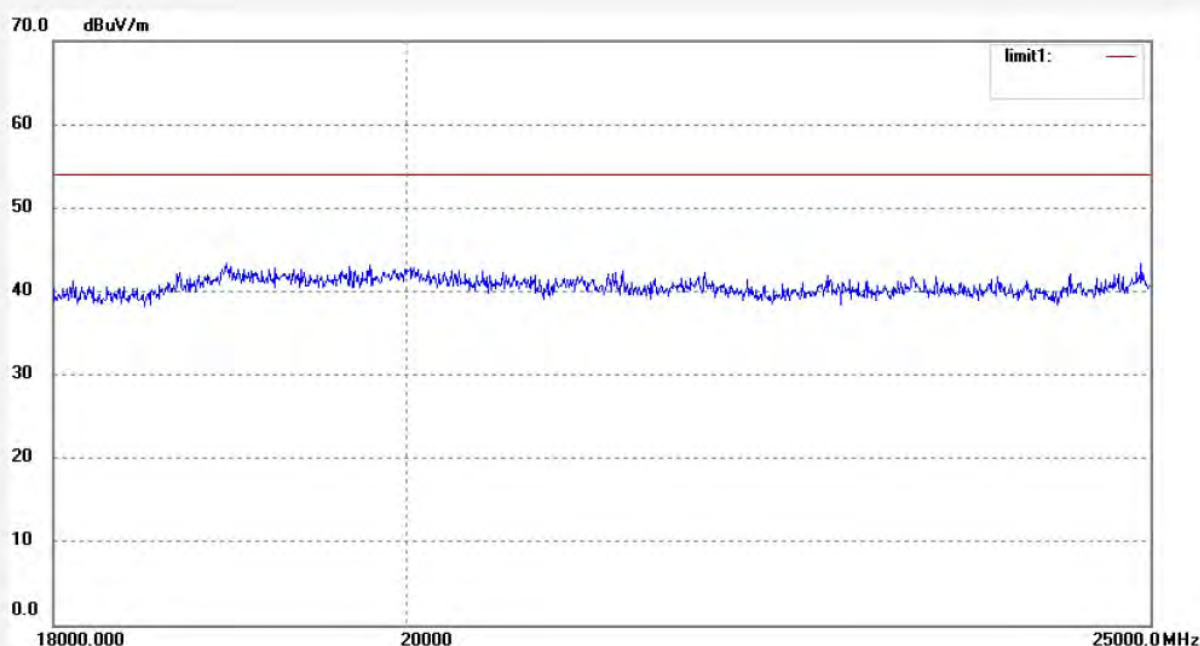
Date: 12/10/06/

Time: 11/43/05

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|


**ACCURATE TECHNOLOGY CO., LTD.**

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2536

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 6(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

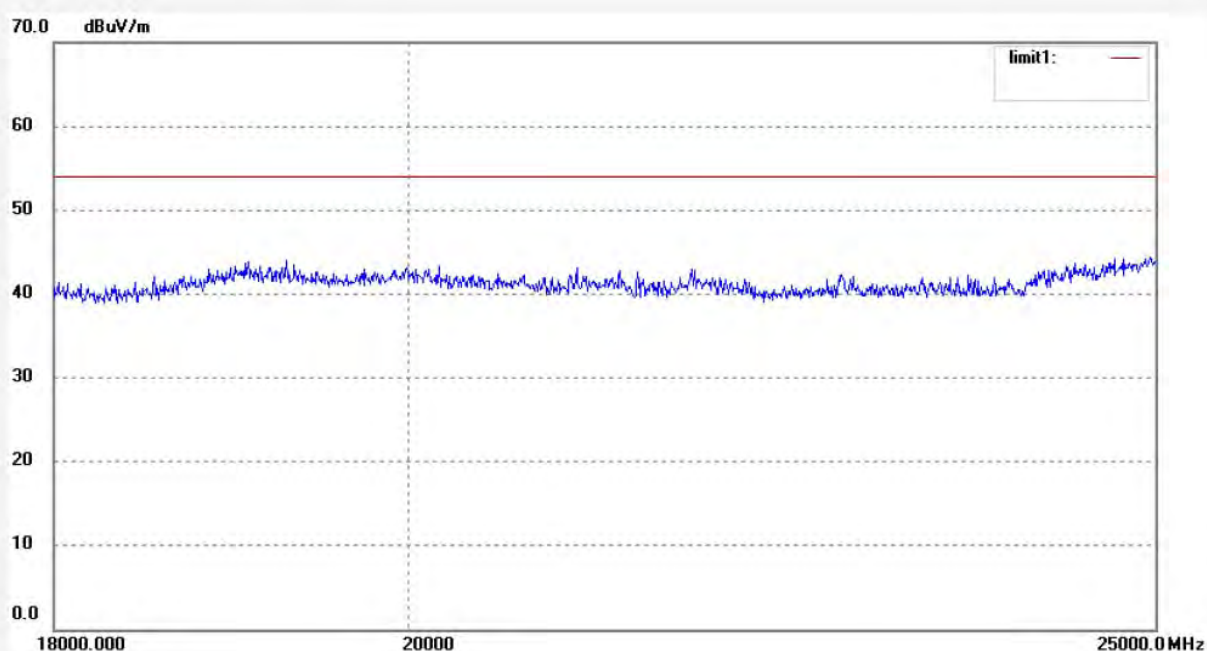
Date: 12/10/06/

Time: 11/48/21

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|



# **ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2489

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 11(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

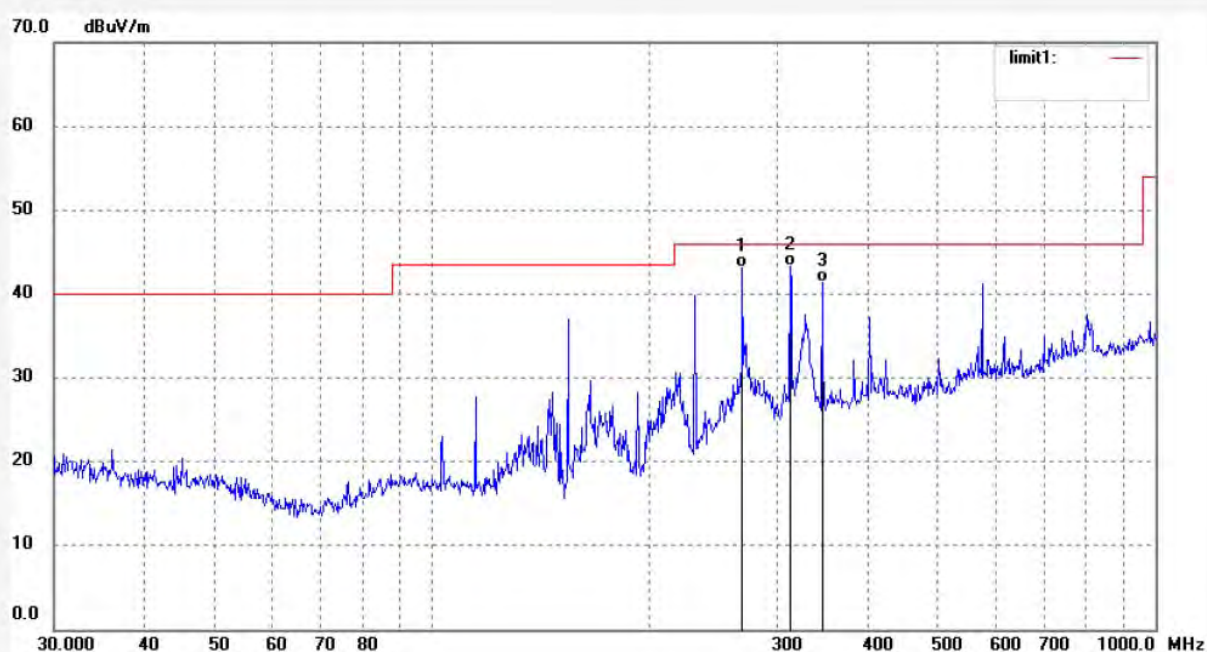
Date: 12/10/06/

Time: 8/46/37

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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   | 268.7212       | 24.76               | 18.32          | 43.08              | 46.00             | -2.92          | QP       |                |                  |        |
| 2   | 312.5482       | 24.26               | 19.13          | 43.39              | 46.00             | -2.61          | QP       |                |                  |        |
| 3   | 346.0740       | 20.99               | 20.37          | 41.36              | 46.00             | -4.64          | QP       |                |                  |        |



# ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2490

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 11(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

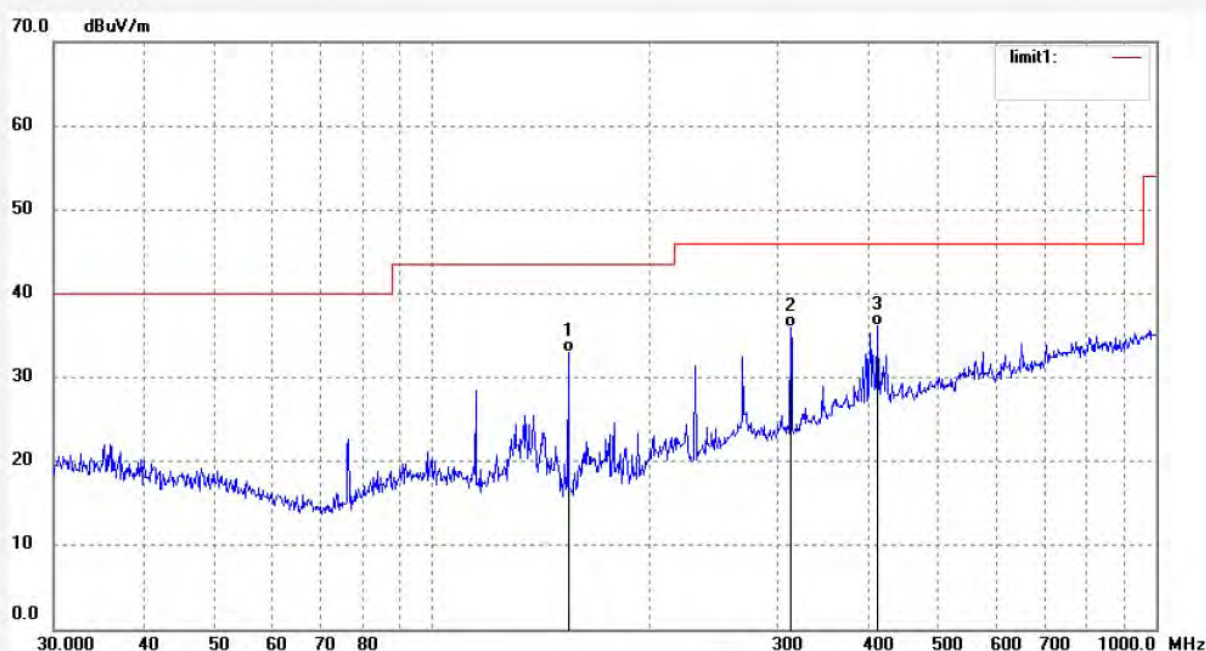
Date: 12/10/06/

Time: 8/50/50

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 154.2428    | 21.42            | 11.56       | 32.98           | 43.50          | -10.52      | QP       |             |               |        |
| 2   | 312.5482    | 16.89            | 19.13       | 36.02           | 46.00          | -9.98       | QP       |             |               |        |
| 3   | 412.5395    | 13.13            | 22.96       | 36.09           | 46.00          | -9.91       | QP       |             |               |        |



# **ACCURATE TECHNOLOGY CO., LTD.**

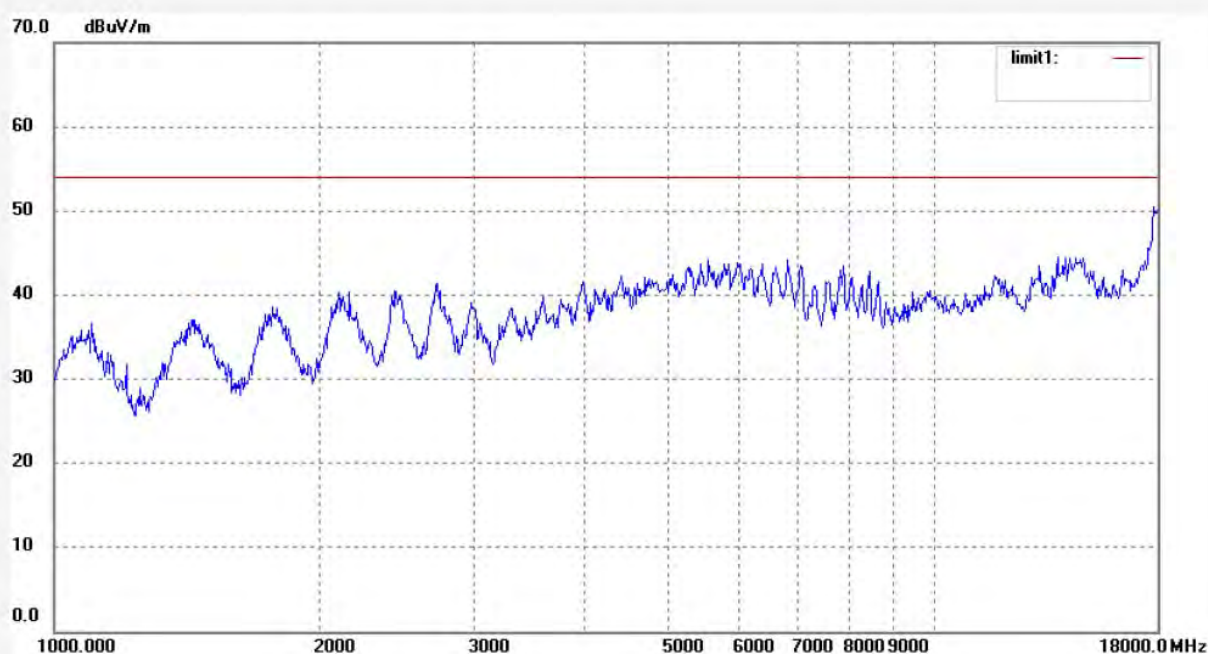
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2513  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 49 %  
EUT: IP CAMERA  
Mode: TX Channel 11(802.11b)  
Model: XPY320  
Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 12/10/06/  
Time: 10/18/09  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|


**ACCURATE TECHNOLOGY CO., LTD.**

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2514

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 11(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

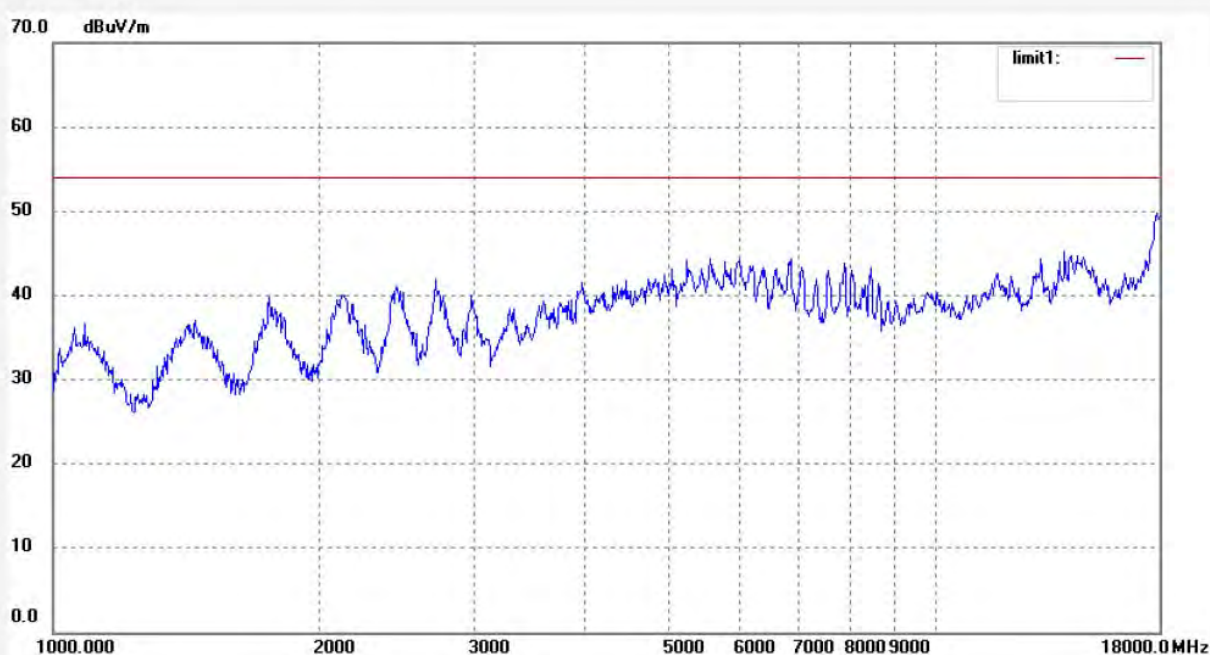
Date: 12/10/06/

Time: 10/22/55

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|


**ACCURATE TECHNOLOGY CO., LTD.**

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2538

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 11(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

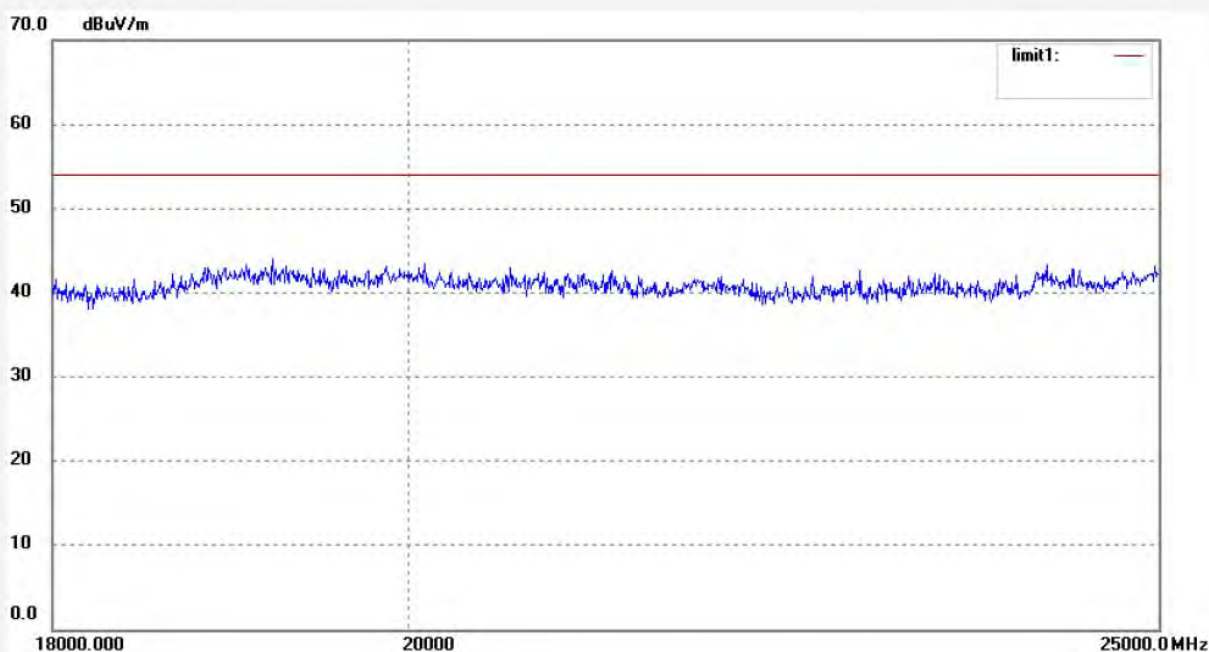
Date: 12/10/06/

Time: 11/56/00

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|


**ACCURATE TECHNOLOGY CO., LTD.**

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2537

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 11(802.11b)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

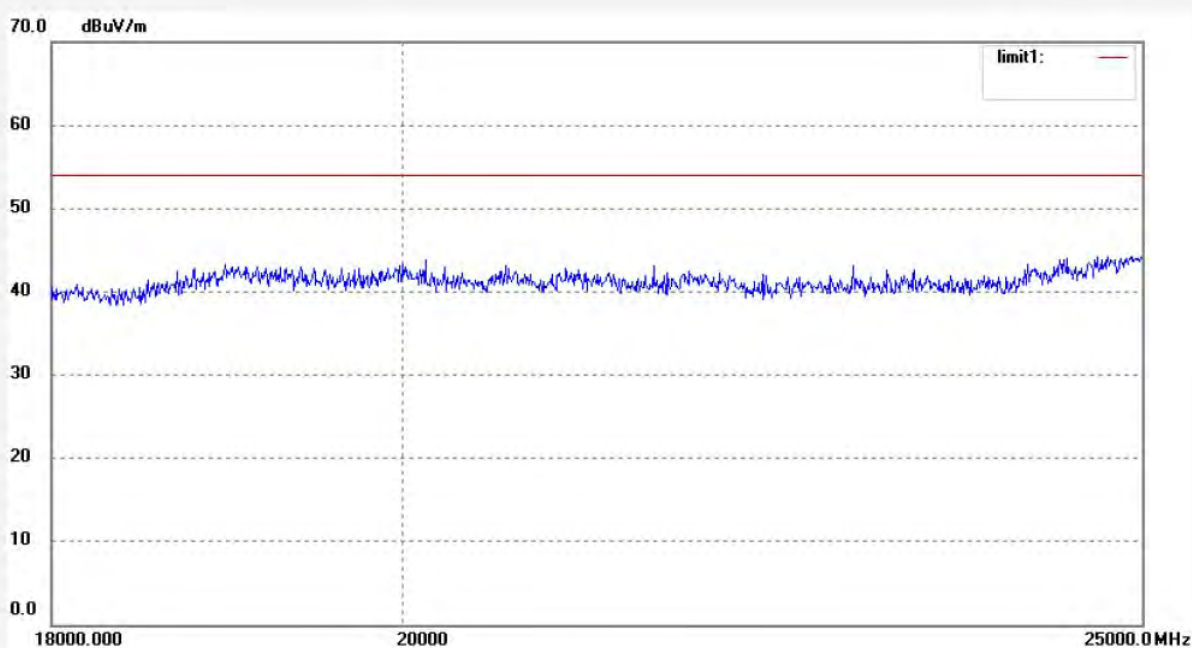
Date: 12/10/06/

Time: 11/53/37

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|


**ACCURATE TECHNOLOGY CO., LTD.**

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2492

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 1(802.11g)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

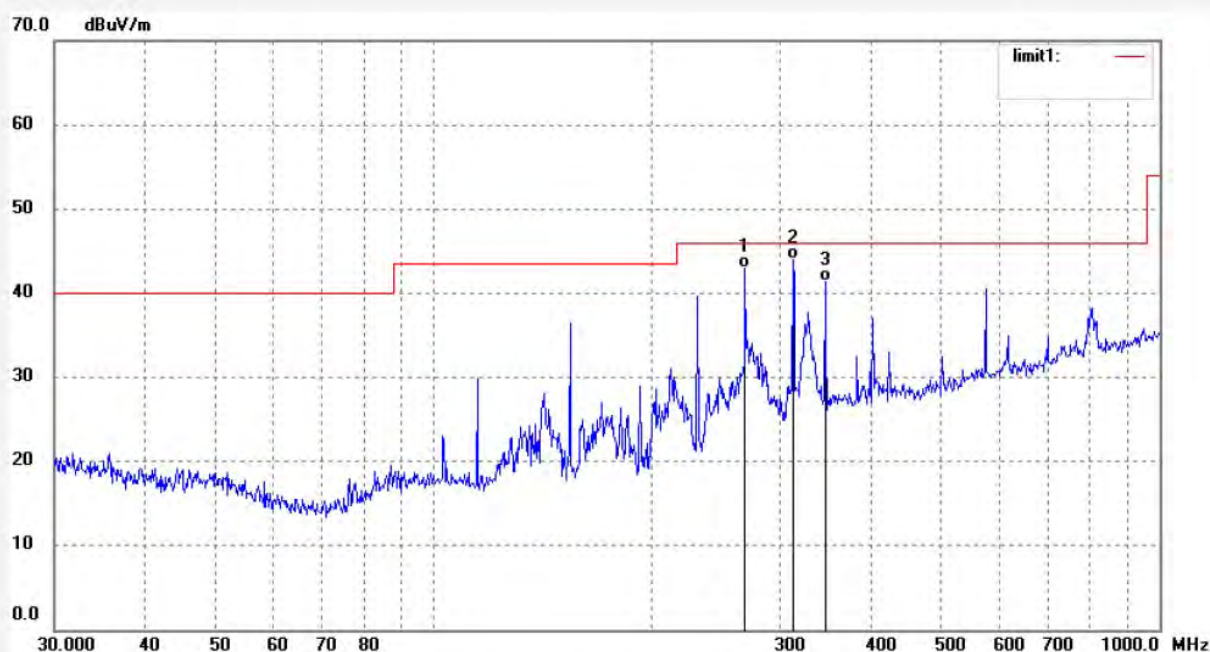
Date: 12/10/06/

Time: 8/56/41

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 268.7212    | 24.72            | 18.32       | 43.04           | 46.00          | -2.96       | QP       |             |               |        |
| 2   | 312.5482    | 24.90            | 19.13       | 44.03           | 46.00          | -1.97       | QP       |             |               |        |
| 3   | 346.0740    | 21.04            | 20.37       | 41.41           | 46.00          | -4.59       | QP       |             |               |        |



# ACCURATE TECHNOLOGY CO., LTD.

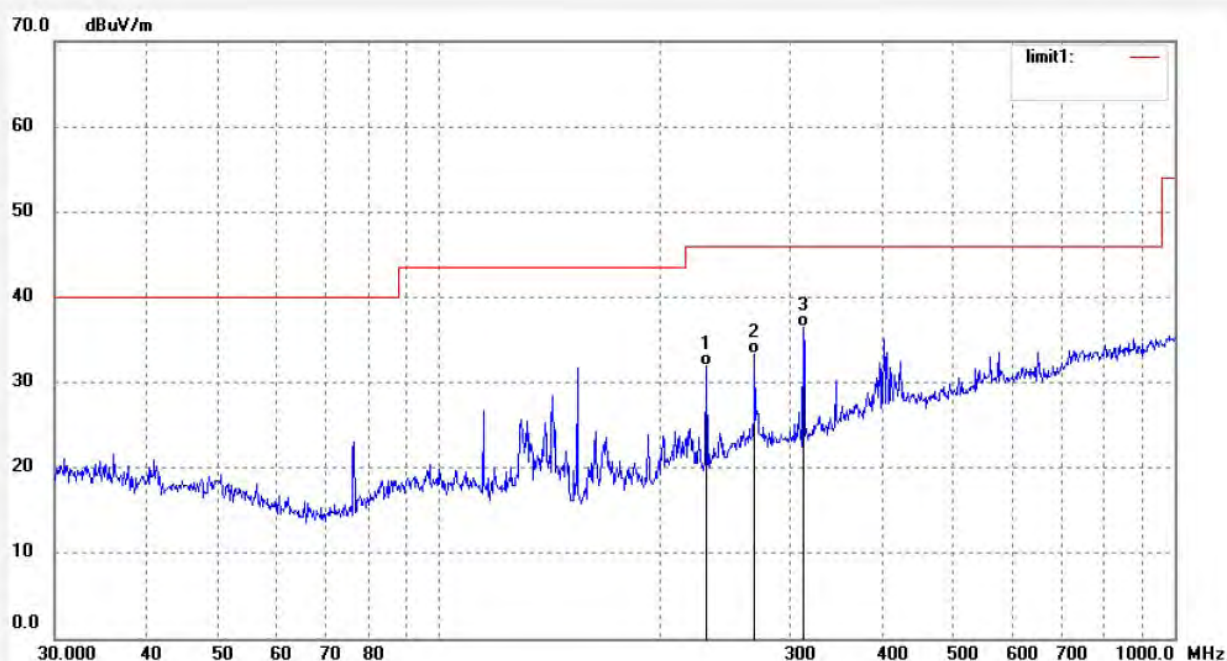
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2491  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 49 %  
EUT: IP CAMERA  
Mode: TX Channel 1(802.11g)  
Model: XPY320  
Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 12/10/06/  
Time: 8/53/49  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 231.0398    | 15.83            | 16.05       | 31.88           | 46.00          | -14.12      | QP       |             |               |        |
| 2   | 268.7212    | 14.95            | 18.32       | 33.27           | 46.00          | -12.73      | QP       |             |               |        |
| 3   | 312.5482    | 17.33            | 19.13       | 36.46           | 46.00          | -9.54       | QP       |             |               |        |


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2516

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 1(802.11g)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

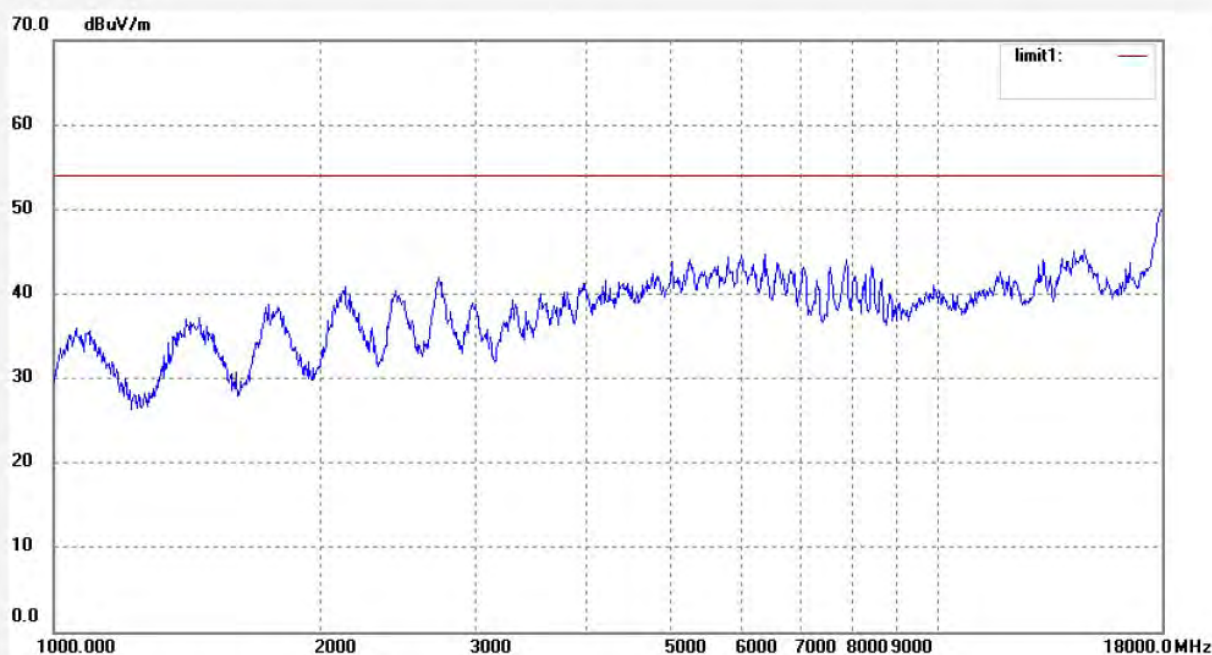
Date: 12/10/06/

Time: 10/27/44

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|



# ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2515

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 1(802.11g)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

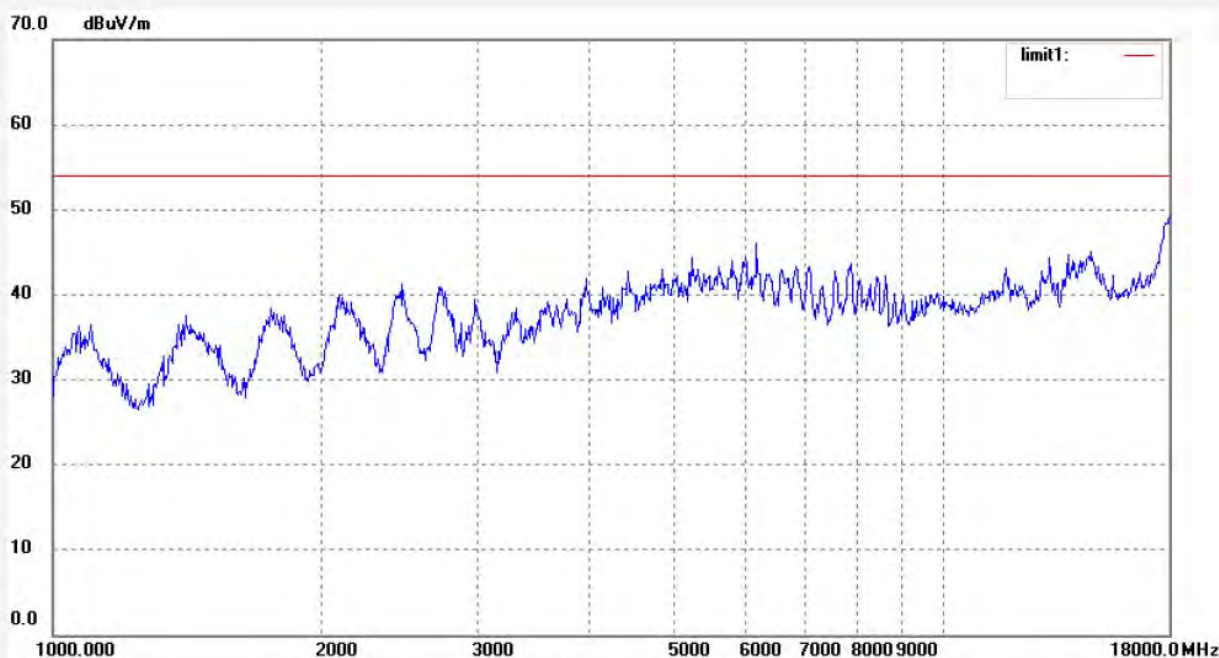
Date: 12/10/06/

Time: 10/25/36

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|


**ACCURATE TECHNOLOGY CO., LTD.**

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2539

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 1(802.11g)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

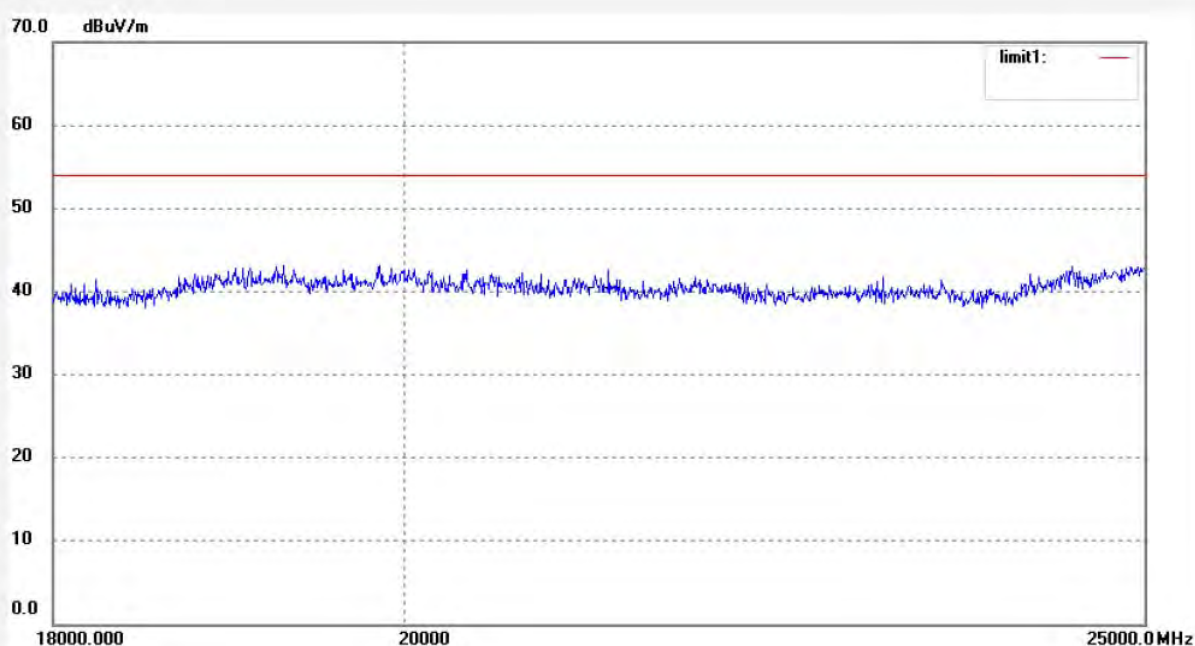
Date: 12/10/06/

Time: 11/59/53

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|


**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star #2540

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 1(802.11g)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Vertical

Power Source: AC 120V/60Hz

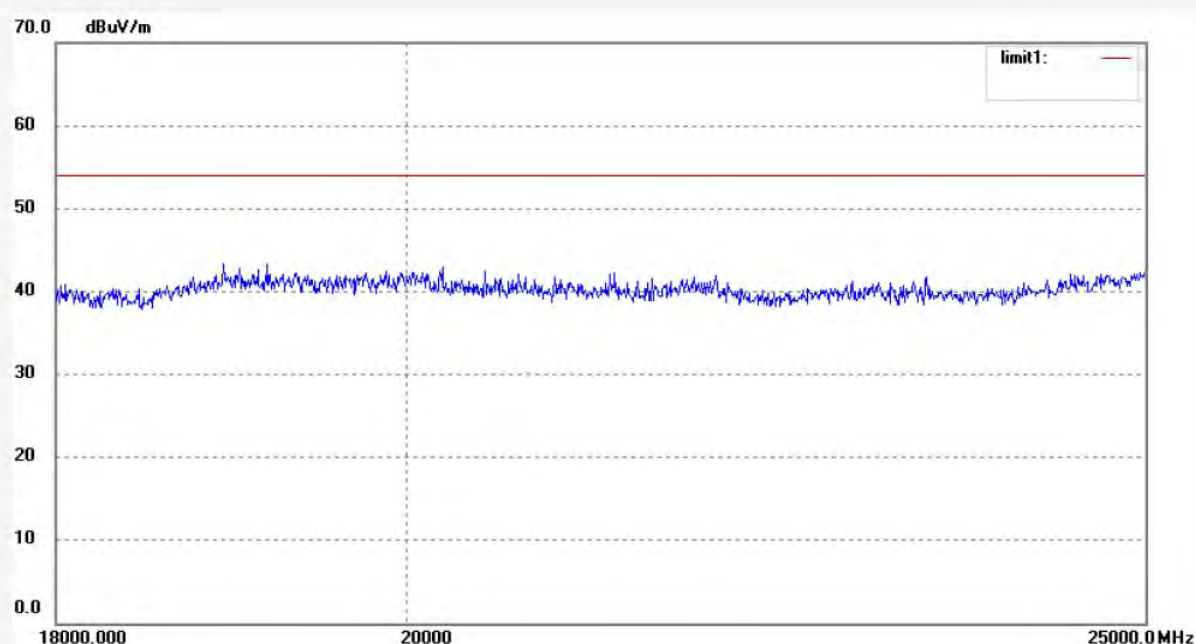
Date: 12/10/06/

Time: 12/04/12

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| 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 |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|



# **ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: star #2493

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 49 %

EUT: IP CAMERA

Mode: TX Channel 6(802.11g)

Model: XPY320

Manufacturer: NEXXT SOLUTIONS LLC

Polarization: Horizontal

Power Source: AC 120V/60Hz

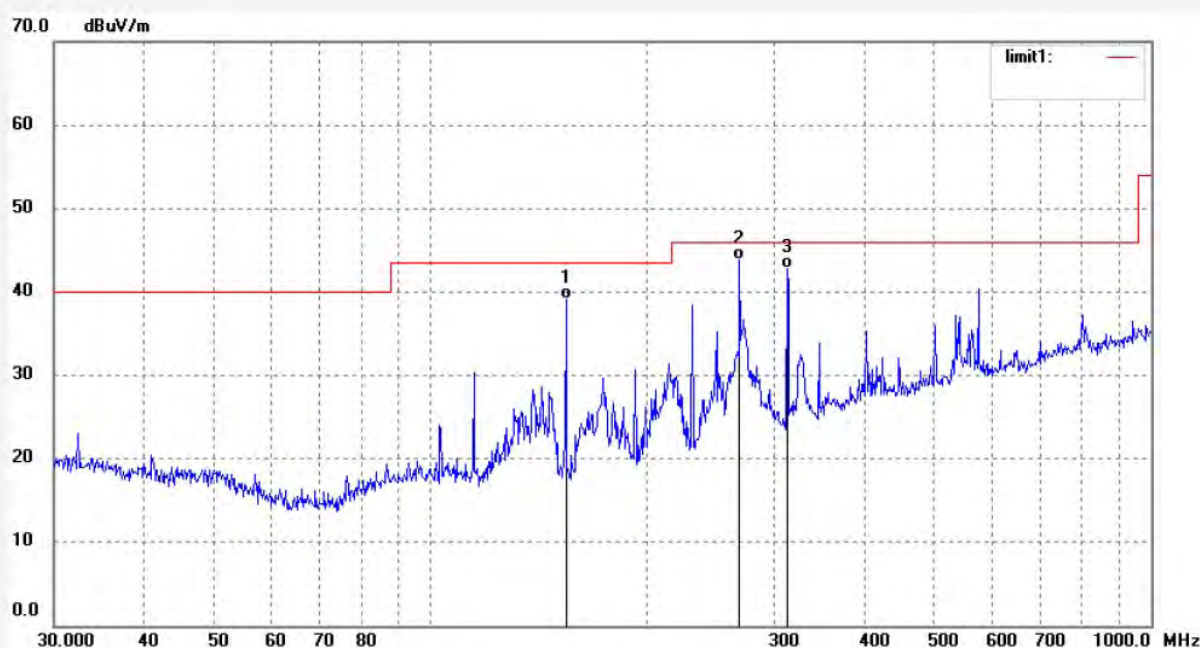
Date: 12/10/06/

Time: 9/00/44

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20122267



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 154.2427    | 27.51            | 11.56       | 39.07           | 43.50          | -4.43       | QP       |             |               |        |
| 2   | 268.7212    | 25.47            | 18.32       | 43.79           | 46.00          | -2.21       | QP       |             |               |        |
| 3   | 312.5482    | 23.62            | 19.13       | 42.75           | 46.00          | -3.25       | QP       |             |               |        |