

# TEST REPORT

On Behalf of

TT TEKNOLOJİ ÜRÜNLERİ A.Ş

Product Name: Remote Control Plane

Trademark: Corby Drones

Model Number: CX201

Prepared For: TT TEKNOLOJİ ÜRÜNLERİ A.Ş

Address: Maslak Mah, Bilim Sok. Sun Plaza No:5A/61 Kat:23 Sarıyer/İstanbul

Prepared By: Shenzhen Huaxiang Testing Co., Ltd

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Report No.: HUAX250820006WR

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**TEST REPORT DECLARATION**

Applicant : TT TEKNOLOJİ ÜRÜNLERİ A.Ş  
Address : Maslak Mah, Bilim Sok. Sun Plaza No:5A/61 Kat:23 Sarıyer/İstanbul

EUT Description : Remote Control Plane  
Model Number : CX201  
Test Date : Aug. 19, 2025 - Aug. 25, 2025  
Date of Report : Aug. 25, 2025  
Test Standards:  
ETSI EN 300 328 V2.2.2

The EUT described above is tested by Huaxiang Testing Co., Ltd. EMC Laboratory to determine the maximum emissions from the EUT and ensure the EUT to be compliance with the immunity requirements of the EUT. Huaxiang is assumed full responsibility for the accuracy of the test results. Also, this report shows that the EUT technically complies with the ETSI EN 300 328 V2.2.2 requirements.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the Shenzhen Huaxiang Testing Co., Ltd.

Prepared by (Test Engineer): Joan Wang  
Joan Wang

Approved (Manager): Amy Jiang  
Amy Jiang

## 1. Summary Of Test Results

Test procedures according to the technical standards:

| ETSI EN 300 328 V2.2.2 |                                             |                                           |                        |                     |
|------------------------|---------------------------------------------|-------------------------------------------|------------------------|---------------------|
| Clause                 | Test Item                                   | Limit                                     | Frequency Range (MHz)  | Applicable (Yes/No) |
| TRANSMITTER PARAMETERS |                                             |                                           |                        |                     |
| 4.2.1<br>4.3.4         | Number of hopping channel                   | >=15                                      | 2400-2483.5            | Y                   |
|                        | Hopping channel carrier frequency separated | the 20dB bandwidth of the hopping channel |                        |                     |
|                        | Average time of occupancy                   | < = 0.4 sec                               |                        |                     |
| 4.3.1                  | Effective radiated power                    | AV: -10 dBW(20 dBm)                       | 2400-2483.5            | Y                   |
| 4.3.2                  | Peak power density                          | FHSS<br>N/A                               | 2400-2483.5            | Y                   |
|                        |                                             | DSSS/OFDM, Other modulation<br>10 mW/MHz  | 2400-2483.5            | N                   |
| 4.10.8                 | Frequency range                             | FHSS / e.i.r.p.<br>-80dBm/Hz              | 2400-2483.5            | Y                   |
|                        |                                             | Other modulation / e.i.r.p.<br>-80dBm/Hz  | 2400-2483.5            | N                   |
| 4.3.6                  | Spurious emissions (conducted)              | Operating: -36dBm<br>Standby: -57dBm      | 30-1000                | N                   |
|                        |                                             | Operating: -30dBm<br>Standby: -47dBm      | 1000-12750             |                     |
|                        |                                             | Operating: -47dBm<br>Standby: -47dBm      | 1800-1900<br>5150-5300 |                     |
| 4.3.6                  | Spurious emissions (radiated)               | Operating: -36dBm<br>Standby: -57dBm      | 30-1000                | Y                   |
|                        |                                             | Operating: -30dBm<br>Standby: -47dBm      | 1000-12750             |                     |
|                        |                                             | Operating: -47dBm<br>Standby: -47dBm      | 1800-1900<br>5150-5300 |                     |
|                        |                                             | -47dBm                                    | 1000-12750             |                     |
| RECEIVER PARAMETERS    |                                             |                                           |                        |                     |
| 4.3.7                  | Spurious emissions (conducted)              | -57dBm                                    | 30-1000                | N                   |
|                        |                                             | -47dBm                                    | 1000-12750             |                     |
|                        | Spurious emissions (radiated)               | -57dBm                                    | 30-1000                | Y                   |

## 1.1 Test Facility

Shenzhen Huaxiang Testing Co., Ltd..

Add. : Building B2, Junfeng Zhongcheng Intelligent Manufacturing Innovation Park, Heping Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province

## 1.2 Measurement Uncertainty

Measurement Uncertainty for a Level of Confidence of 95 %,  $U=2 \times U_c(y)$

|                                  |                    |
|----------------------------------|--------------------|
| RF frequency                     | $1 \times 10^{-7}$ |
| RF power, conducted              | $\pm 1.0$ dB       |
| Conducted emission of receivers  | $\pm 1$ dB         |
| Radiated emission of transmitter | $\pm 6$ dB         |
| Radiated emission of receiver    | $\pm 6$ dB         |
| Temperature                      | $\pm 1$ degree     |
| Humidity                         | $\pm 5$ %          |

## 2. General Information

## 2.1 General Description Of EUT

|                      |                                                                                                                                                                                                                    |                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Equipment            | Remote Control Plane                                                                                                                                                                                               |                                                                                              |
| Brand Name           | Corby Drones                                                                                                                                                                                                       |                                                                                              |
| Model Name.          | CX201                                                                                                                                                                                                              |                                                                                              |
| Model Difference     | N/A                                                                                                                                                                                                                |                                                                                              |
| Manufacturer         | Shantou Helicute Model Aircraft Industrial Co., Ltd.                                                                                                                                                               |                                                                                              |
| Manufacturer Address | No.8th, East Jiangbei Road, Longtian, Guangyi Street, Chenghai District, Shantou City, Guangdong Province, China                                                                                                   |                                                                                              |
| Product Description  | The EUT is Remote Control Plane                                                                                                                                                                                    |                                                                                              |
|                      | Operation Frequency:                                                                                                                                                                                               | 802.11b/g/n: 2412~2472MHz                                                                    |
|                      | Modulation Type:                                                                                                                                                                                                   | DSSS/OFDM/BPSK/QPSK                                                                          |
|                      | Bit Rate of Transmitter                                                                                                                                                                                            | 802.11b:11/5.5/2/1 Mbps<br>802.11g:54/48/36/30/24/18/12Mbps<br>802.11n:150/120/90/60/54 Mbps |
|                      | Number Of Channel                                                                                                                                                                                                  | 13CH .Please see Note 2.                                                                     |
|                      | Antenna Designation:                                                                                                                                                                                               | Printed ANT                                                                                  |
|                      | Antenna Gain(Peak)                                                                                                                                                                                                 | 0dBi                                                                                         |
|                      | EIRP Power:                                                                                                                                                                                                        | 802.11b: 17.86 dBm (Max.)<br>802.11g: 14.78 dBm (Max.)<br>802.11n: 13.92dBm (Max.)           |
|                      | Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual. |                                                                                              |
| Channel List         | Refer to below                                                                                                                                                                                                     |                                                                                              |
| Power Rating         | DC 5V, 1A                                                                                                                                                                                                          |                                                                                              |

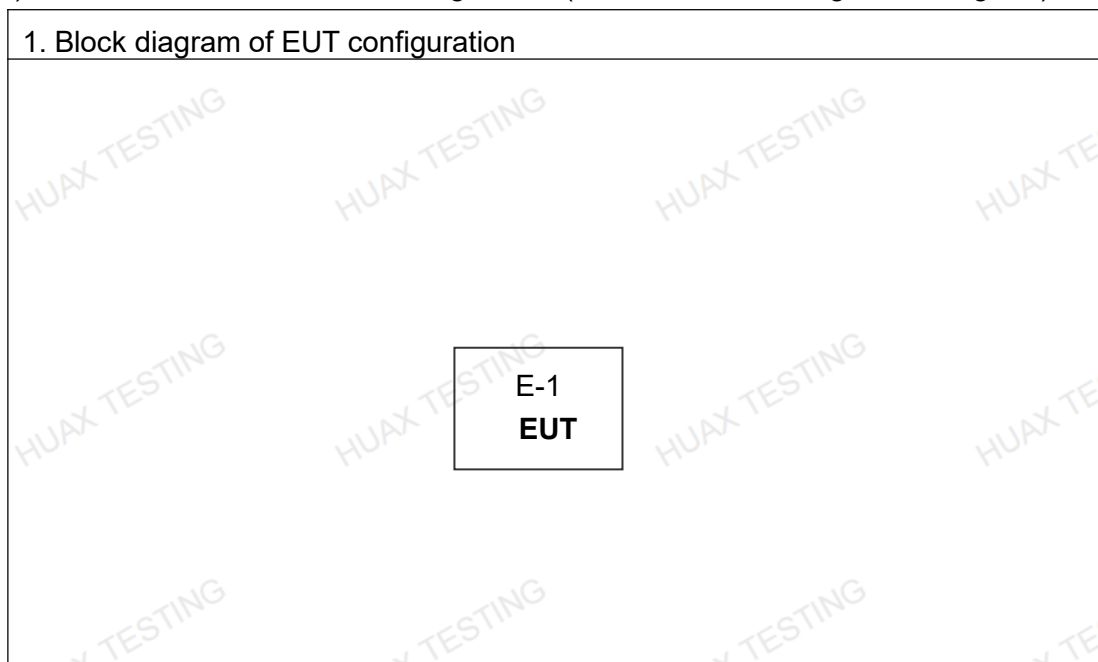
Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

| Channel List |                 |         |                 |         |                 |         |                 |
|--------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| Channel      | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 01           | 2412            | 05      | 2432            | 09      | 2452            | 13      | 2472            |
| 02           | 2417            | 06      | 2437            | 10      | 2457            |         |                 |
| 03           | 2422            | 07      | 2442            | 11      | 2462            |         |                 |
| 04           | 2427            | 08      | 2447            | 12      | 2467            |         |                 |

## 2.2 Description Of Test Conditions

(1) EUT was tested in normal configuration (Please See following Block diagram)



### 2.2.1 Test Conditions and Channel

|                   | Normal Test Conditions | Extreme Test Conditions       |
|-------------------|------------------------|-------------------------------|
| Temperature       | 15°C - 35°C            | 0°C ~ 55°C Note: (1)          |
| Relative Humidity | 20% - 75%              | N/A                           |
| Supply Voltage    | DC 3.7V 66mA           | DC 3.7V 66mA – DC 5VNote: (2) |

| Test Channel   | EUT Channel | Test Frequency (MHz) |
|----------------|-------------|----------------------|
| lowest         | CH00        | 2402                 |
| Headphones dle | CH41        | 2441                 |
| highest        | CH78        | 2480                 |

Note:

(1) For tests at extreme temperatures, measurements shall be made in accordance with the procedures specified in clause 5.3.4.3, at the upper and lower temperatures of the range as follow: temperature: -20°C to +55°C;

Where the manufacture's stated operating range does not include the range of -20°C to +55°C, the equipment shall be tested over the following temperature ranges:

- 0°C to +35°C for equipment intended for indoor use only, or intended for use in areas where the temperature is controlled within this range;
  - over the extremes of the operating temperature range(s) of the stated combination(s) or host equipment(s) in case of plug-in radio devices.
- (2) For the Leclanché or lithium type battery: 0.85 times the nominal voltage of the battery; for the mercury or nickel-cadmium type of battery: 0.9 times the nominal voltage of the battery. In both cases, the upper extreme test voltage shall be 1.15 times the nominal voltage of the battery.
- (3) The measurements are performed at the highest, Headphones dle, lowest available channels.

### 2.3 Description Of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment            | Mfr/Brand | Model/Type No. | FCC ID | Series No. | Note |
|------|----------------------|-----------|----------------|--------|------------|------|
| E-1  | Remote Control Plane | N/A       | CX201          | N/A    | N/A        | EUT  |
|      |                      |           |                |        |            |      |
|      |                      |           |                |        |            |      |
|      |                      |           |                |        |            |      |
|      |                      |           |                |        |            |      |

| Item | Shielded Type | Ferrite Core | Length | Note |
|------|---------------|--------------|--------|------|
| C-1  | NO            | YES          | 1.8m   |      |
|      |               |              |        |      |
|      |               |              |        |      |
|      |               |              |        |      |

**Note:**

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

## 2.4 Equipments List For All Test Items

| Item | Kind of Equipment              | Manufacturer     | Type No.     | Serial No. | Calibrated until |
|------|--------------------------------|------------------|--------------|------------|------------------|
| 1    | Spectrum Analyzer              | R&S              | FSP_40       | 100129     | Jun. 20, 2026    |
| 2    | Microwave Pre-amplifier        | Agilent          | 8449B        | 3008A01714 | Jun. 20, 2026    |
| 3    | Microflex Cable                | United Microwave | 57793        | 1m         | Jun. 20, 2026    |
| 4    | Microflex Cable                | United Microwave | A30A30-5006  | 10M        | Jun. 20, 2026    |
| 5    | Horn Antenna                   | EMCO             | 3115         | 9605-4803  | Jun. 20, 2026    |
| 6    | Horn Ant                       | Schwarzbeck      | BBHA 9170    | 9170-181   | Jun. 20, 2026    |
| 7    | Log-Bicon Antenna              | MESS-ELEKTRONIK  | VULB 9160    | 3058       | Jun. 20, 2026    |
| 8    | Test Cable                     | N/A              | 10M_OS02     | N/A        | Jun. 20, 2026    |
| 9    | Test Cable                     | N/A              | OS02-1/-2/-3 | N/A        | Jun. 20, 2026    |
| 10   | Pre-Amplifier                  | Anritsu          | MH648A       | M09961     | Jun. 20, 2026    |
| 11   | Temperature & Humidity Chamber | GIANT FORCE      | GTH-056P     | GF-94454-1 | Jun. 20, 2026    |
| 12   | Signal Generator               | R&S              | SMT 06       | 832080/007 | Jun. 20, 2026    |
| 13   | Power Metter                   | ANRITSU          | ML2487A      | 6K00001568 | Jun. 20, 2026    |
| 14   | Power Sensor (AV)              | ANRITSU          | ML24966mA    | 030989     | Jun. 20, 2026    |

### Peak power density

| Item | Kind of Equipment | Manufacturer | Type No.  | Serial No. | Calibrated until |
|------|-------------------|--------------|-----------|------------|------------------|
| 1    | Spectrum Analyzer | R&S          | FSP_40    | 100129     | Jun. 20, 2026    |
| 2    | Signal Generator  | R&S          | SMT 06    | 832080/007 | Jun. 20, 2026    |
| 3    | Power Metter      | ANRITSU      | ML2487A   | 6K00001568 | Jun. 20, 2026    |
| 4    | Power Sensor (AV) | ANRITSU      | ML24966mA | 030989     | Jun. 20, 2026    |

### Spurious emissions

| Item | Kind of Equipment       | Manufacturer     | Type No.     | Serial No. | Calibrated until |
|------|-------------------------|------------------|--------------|------------|------------------|
| 1    | Spectrum Analyzer       | R&S              | FSP_40       | 100129     | Jun. 20, 2026    |
| 2    | Microwave Pre-amplifier | Agilent          | 8449B        | 3008A01714 | Jun. 20, 2026    |
| 3    | Microflex Cable         | United Microwave | 57793        | 1m         | Jun. 20, 2026    |
| 4    | Microflex Cable         | United Microwave | A30A30-5006  | 10M        | Jun. 20, 2026    |
| 5    | Horn Antenna            | EMCO             | 3115         | 9605-4803  | Jun. 20, 2026    |
| 6    | Horn Ant                | Schwarzbeck      | BBHA 9170    | 9170-181   | Jun. 20, 2026    |
| 7    | Log-Bicon Antenna       | MESS-ELEKTRONIK  | VULB 9160    | 3058       | Jun. 20, 2026    |
| 8    | Test Cable              | N/A              | 10M_OS02     | N/A        | Jun. 20, 2026    |
| 9    | Test Cable              | N/A              | OS02-1/-2/-3 | N/A        | Jun. 20, 2026    |
| 10   | Pre-Amplifier           | Anritsu          | MH648A       | M09961     | Jun. 20, 2026    |

## Frequency range

| Item | Kind of Equipment              | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|--------------------------------|--------------|----------|------------|------------------|
| 1    | Spectrum Analyzer              | R&S          | FSP_40   | 100129     | Jun. 20, 2026    |
| 2    | Temperature & Humidity Chamber | GIANT FORCE  | GTH-056P | GF-94454-1 | Jun. 20, 2026    |



### 3. Effective radiated power

#### 3.1 Applied procedures / limit

| Clause | Test Item                | Limit                |
|--------|--------------------------|----------------------|
| 4.3.1  | Effective radiated power | AV: -10 dBW (20 dBm) |

##### 3.1.1 Measuring Instruments and Setting

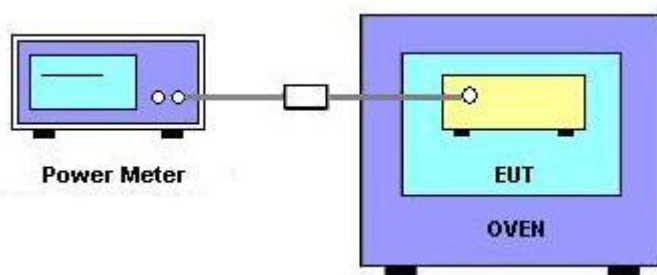
Please refer to section 13.2.1 in this report. The following table is the setting of the power meter.

| Power Meter Parameter | Setting        |
|-----------------------|----------------|
| Filter No.            | Auto           |
| Measurement time      | 0.135 s ~ 26 s |
| Used Average Sensor   | ML24966mA      |

##### 3.1.2 Test Procedures

- Since a temporary antenna connector can be attached on the RF output port, so conducted measurement method was used in this case.
- A wide band power meter with a matched thermocouple detector was used to directly measure the output power from the RF output port of the EUT in continuously transmitting mode.
- The EIRP =  $A + G + 10 \cdot \log(1/x)$ , where A is the power measured in (1), G is the gain of the antenna of the EUT in dBi and x is the duty cycle of the EUT in continuously transmitting mode.
- The measurement shall be repeated at the lowest, the Headphones dle, and the highest channel of the stated frequency range. These measurements shall also be performed at normal and extreme test conditions.

##### 3.1.3 Test Setup Layout



##### 3.1.4 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

### 3.1.5 TEST RESULTS

|              |                       |                    |       |
|--------------|-----------------------|--------------------|-------|
| EUT:         | Remote Control Plane  | Model Name :       | CX201 |
| Temperature: | 26°C                  | Relative Humidity: | 60 %  |
| Pressure:    | 1012 hPa              | Test Voltage :     | DC 5V |
| Test Mode :  | TX CH00 / CH41 / CH78 |                    |       |

| TEST CONDITIONS |       |           |           | Average EIRP Power<br>( dBm ) |       |       |
|-----------------|-------|-----------|-----------|-------------------------------|-------|-------|
|                 |       |           |           | CH1                           | CH7   | CH13  |
| T nom (°C)      | 20.00 | V nom (V) | 5V 66mA   | 17.43                         | 17.59 | 17.35 |
| T min (°C)      | 0.00  | V max (V) | 5.5V 66mA | 17.44                         | 17.78 | 17.45 |
|                 |       | V min (V) | 4.5V 66mA | 17.54                         | 17.83 | 17.68 |
| T max (°C)      | 55.00 | V max (V) | 5.5V 66mA | 17.33                         | 17.35 | 17.33 |
|                 |       | V min (V) | 4.5V 66mA | 17.44                         | 17.52 | 17.39 |
| Max Peak Power  |       |           |           | 17.89                         |       |       |
| Limits          |       |           |           | 20dBm (-10dBW)                |       |       |
| Result          |       |           |           | Complies                      |       |       |

|              |                              |                    |       |
|--------------|------------------------------|--------------------|-------|
| EUT:         | Remote Control Plane         | Model Name :       | CX201 |
| Temperature: | 26°C                         | Relative Humidity: | 60 %  |
| Pressure:    | 1012 hPa                     | Test Voltage :     | DC 5V |
| Test Mode :  | TX 11G Mode CH1 / CH7 / CH13 |                    |       |

| TEST CONDITIONS |       |           |           | Average EIRP Power<br>( dBm ) |       |       |
|-----------------|-------|-----------|-----------|-------------------------------|-------|-------|
|                 |       |           |           | CH1                           | CH7   | CH13  |
| T nom (°C)      | 20.00 | V nom (V) | 5V 66mA   | 14.48                         | 14.44 | 14.34 |
| T min (°C)      | 0.00  | V max (V) | 5.5V 66mA | 14.27                         | 14.33 | 14.46 |
|                 |       | V min (V) | 4.5V 66mA | 14.49                         | 14.59 | 14.42 |
| T max (°C)      | 55.00 | V max (V) | 5.5V 66mA | 14.67                         | 14.51 | 14.25 |
|                 |       | V min (V) | 4.5V 66mA | 14.58                         | 14.72 | 14.46 |
| Max Peak Power  |       |           |           | 14.77                         |       |       |
| Limits          |       |           |           | 20dBm (-10dBW)                |       |       |
| Result          |       |           |           | Complies                      |       |       |

|              |                              |                    |       |
|--------------|------------------------------|--------------------|-------|
| EUT:         | Remote Control Plane         | Model Name :       | CX201 |
| Temperature: | 26°C                         | Relative Humidity: | 60 %  |
| Pressure:    | 1012 hPa                     | Test Voltage :     | DC 5V |
| Test Mode :  | TX 11N Mode CH1 / CH7 / CH13 |                    |       |

| TEST CONDITIONS |       |           |           | Average EIRP Power<br>( dBm ) |       |       |
|-----------------|-------|-----------|-----------|-------------------------------|-------|-------|
|                 |       |           |           | CH1                           | CH7   | CH13  |
| T nom (°C)      | 20.00 | V nom (V) | 5V 66mA   | 13.53                         | 13.83 | 13.63 |
| T min (°C)      | 0.00  | V max (V) | 5.5V 66mA | 13.46                         | 13.42 | 13.49 |
|                 |       | V min (V) | 4.5V 66mA | 13.50                         | 13.45 | 13.40 |
| T max (°C)      | 55    | V max (V) | 5.5V 66mA | 13.41                         | 13.37 | 13.49 |
|                 |       | V min (V) | 4.5V 66mA | 13.49                         | 13.50 | 13.56 |
| Max Peak Power  |       |           |           | 13.87                         |       |       |
| Limits          |       |           |           | 20dBm (-10dBW)                |       |       |
| Result          |       |           |           | Complies                      |       |       |

#### 4. Peak power density

##### 4.1 Applied procedures / limit

| Clause | Test Item          | Limit                                    |
|--------|--------------------|------------------------------------------|
| 4.3.2  | Peak power density | FHSS<br>N/A                              |
|        |                    | DSSS/OFDM, Other modulation<br>10 mW/MHz |

##### 4.1.1 Measuring Instruments and Setting

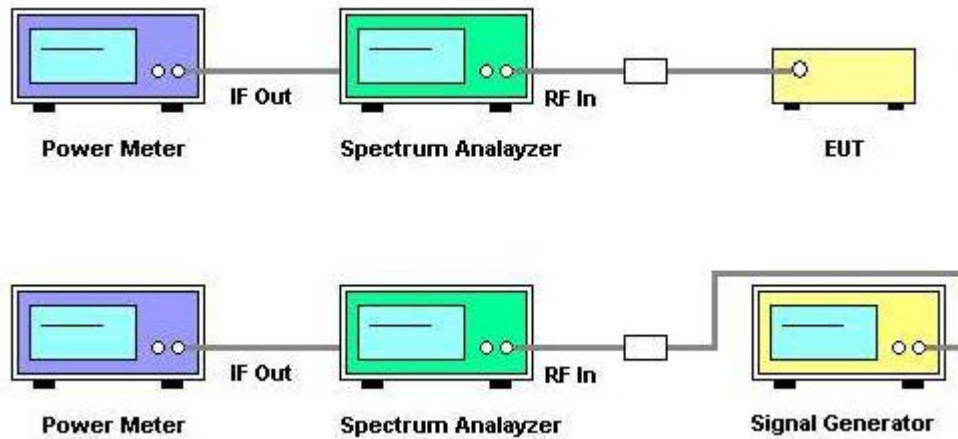
Please refer to section 5.1.1 in this report. The following table is the setting of the power meter.

| Power Meter Parameter | Setting        |
|-----------------------|----------------|
| Filter No.            | Auto           |
| Measurement time      | 0.135 s ~ 26 s |
| Used Average Sensor   | ML24966mA      |

##### 4.1.2 Test Procedures

- Pre-calibration for the spectrum analyzer has to be done first through a CW signal of the measured carrier frequency with 10dBm power strength.
- A power meter is connected on the IF output port of the spectrum analyzer.
- Adjust the spectrum analyzer to have the center frequency the same with the measured carrier. RBW=VBW=1MHz, detector mode is positive peak. Turn off the averaging function and use zero span.
- The calibrating signal power shall be reduced to 0 dBm and it shall be verified that the power meter reading also reduces by 10 dB.
- Connect the equipment to be measured. Using the following settings of the spectrum analyzer in combination with "max hold" function, find the frequency of highest power output in the power envelope: center frequency equal to operating frequency; RBW & VBW: 1 MHz; detector mode: positive peak; averaging: off; span: 3 times the spectrum width; amplitude: adjust for Headphones dle of the instrument's range. The frequency found shall be recorded.
- Set the center frequency of the spectrum analyzer to the found frequency and switch to zero span. The power meter indicates the measured power density (D). The maximum spectral power density e.i.r.p. is calculated from the above measured power density (D), the observed duty cycle factor(x), and the applicable antenna assembly gain "G" in dBi, according to the formula:  $PD = D + G + 10 \log (1/x)$ .
- The measurement shall be repeated at the lowest, the Headphones dle, and the highest channel of the stated frequency range.

#### 4.1.3 Test Setup Layout



#### 4.1.4 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

#### 4.1.5 TEST RESULTS

|              |                      |                    |       |
|--------------|----------------------|--------------------|-------|
| EUT:         | Remote Control Plane | Model Name :       | CX201 |
| Temperature: | 26°C                 | Relative Humidity: | 60 %  |
| Pressure:    | 1012 hPa             | Test Voltage :     | N/A   |
| Test Mode :  | N/A                  |                    |       |

| WLAN            |       |           |         |                                       |      |       |
|-----------------|-------|-----------|---------|---------------------------------------|------|-------|
| TEST CONDITIONS |       |           |         | EIRP Spectral Power Density (mW/MHz ) |      |       |
|                 |       |           |         | CH 1                                  | CH 7 | CH 13 |
| T nom (°C)      | 20.00 | V nom (V) | 5V 66mA | 0.64                                  | 0.62 | 0.62  |
| Limits          |       |           |         | 10 mW/MHz                             |      |       |
| Result          |       |           |         | Complies                              |      |       |

|              |                            |                    |       |
|--------------|----------------------------|--------------------|-------|
| EUT:         | Remote Control Plane       | Model Name :       | CX201 |
| Temperature: | 26°C                       | Relative Humidity: | 60 %  |
| Pressure:    | 1012 hPa                   | Test Voltage :     | DC 5V |
| Test Mode :  | TX 11G Mode CH1 /CH7/ CH13 |                    |       |

| WLAN            |       |          |         |                                       |      |       |
|-----------------|-------|----------|---------|---------------------------------------|------|-------|
| TEST CONDITIONS |       |          |         | EIRP Spectral Power Density (mW/MHz ) |      |       |
|                 |       |          |         | CH 1                                  | CH 7 | CH 13 |
| T nom (°C)      | 20.00 | V nom(V) | 5V 66mA | 0.56                                  | 0.56 | 0.56  |
| Limits          |       |          |         | 10 mW/MHz                             |      |       |
| Result          |       |          |         | Complies                              |      |       |

|              |                            |                    |       |
|--------------|----------------------------|--------------------|-------|
| EUT:         | Remote Control Plane       | Model Name :       | CX201 |
| Temperature: | 26°C                       | Relative Humidity: | 60 %  |
| Pressure:    | 1012 hPa                   | Test Voltage :     | DC 5V |
| Test Mode :  | TX 11N Mode CH1 /CH7/ CH13 |                    |       |

| WLAN            |       |          |         |                                          |      |       |
|-----------------|-------|----------|---------|------------------------------------------|------|-------|
| TEST CONDITIONS |       |          |         | EIRP Spectral Power Density<br>(mW/MHz ) |      |       |
|                 |       |          |         | CH 1                                     | CH 7 | CH 13 |
| T nom (°C)      | 20.00 | V nom(V) | 5V 66mA | 0.53                                     | 0.51 | 0.54  |
| Limits          |       |          |         | 10 mW/MHz                                |      |       |
| Result          |       |          |         | Complies                                 |      |       |

## 5. Frequency range

### 5.1 Applied procedures / limit

| Clause | Test Item       | Limit     |
|--------|-----------------|-----------|
| 4.10.8 | Frequency range | -80dBm/Hz |

The frequency range of the equipment is determined by the lowest and highest frequencies occupied by the power envelope.  $f_H$  is the highest frequency of the power envelope: it is the frequency furthest above the frequency of maximum power where the output power drops below the level of -80 dBm/Hz e.i.r.p. spectral power density (-30 dBm if measured in a 100 kHz bandwidth).  $f_L$  is the lowest frequency of the power envelope; it is the frequency furthest below the frequency of maximum power where the output power drops below the level equivalent to -80 dBm/Hz e.i.r.p. spectral power density (or -30 dBm if measured in a 100 kHz bandwidth). The frequency range is determined by the lowest value of  $f_L$  and the highest value of  $f_H$  resulting from the adjustment of the equipment to the lowest and highest operating frequencies. For all equipment, the frequency range shall lie within the band 2.4 GHz to 2,4835 GHz ( $f_L > 2.4$  GHz and  $f_H < 2.4835$  GHz).

#### 5.1.1 Measuring Instruments and Setting

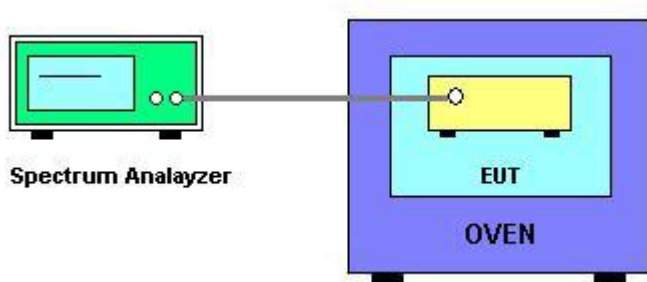
Please refer to section 6.1.1 in this report. The following table is the setting of Spectrum Analyzer.

| Spectrum Analyzer | Setting           |
|-------------------|-------------------|
| Attenuation       | 20~30dB           |
| Span Frequency    | 40MHz             |
| RB                | 100 kHz           |
| VB                | 100 kHz           |
| Detector          | Average           |
| Trace             | Average 50 sweeps |

### 5.1.2 Test Procedures

- The transmitter output (antenna port) was connected to the spectrum analyzer.
- Added [x] dBi of antenna gain was on the spectrum analyzer.
- Place the spectrum analyzer in detector averaging mode with a minimum of 50 sweeps selected and activate transmitter with modulation applied.
- Select lowest operating frequency of the equipment under test.
- Find lowest frequency below the operating frequency at which spectral power density drops below -80 dBm/Hz e.i.r.p. (-30 dBm if measured in a 100 kHz bandwidth). This frequency shall be recorded (fL).
- Select the highest operating frequency of the equipment under test.
- Find the highest frequency at which the spectral power density drops below -80 dBm/Hz e.i.r.p. (-30 dBm if measured in a 100 kHz bandwidth). This frequency shall be recorded (fH).
- These measurements shall also be performed at normal and extreme test conditions.

### 5.1.3 Test Setup Layout



### 5.1.4 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

### 5.1.5 TEST RESULTS

|              |                        |                    |       |
|--------------|------------------------|--------------------|-------|
| EUT:         | Remote Control Plane   | Model Name :       | CX201 |
| Temperature: | 26 °C                  | Relative Humidity: | 60 %  |
| Pressure:    | 1012 hPa               | Test Voltage :     | DC 5V |
| Test Mode :  | TX 11B Mode CH1 / CH13 |                    |       |

| TEST CONDITIONS                                      |       |           |           | Frequency range ( MHz )     |                             |
|------------------------------------------------------|-------|-----------|-----------|-----------------------------|-----------------------------|
|                                                      |       |           |           | f <sub>L</sub> CH1          | f <sub>H</sub> CH13         |
| T nom (°C)                                           | 20.00 | V nom (V) | 5V 66mA   | 2402.5138                   | 2482.5487                   |
| T min (°C)                                           | 0.00  | V max (V) | 5.5V 66mA | 2402.4569                   | 2482.5432                   |
|                                                      |       | V min (V) | 4.5V 66mA | 2402.5528                   | 2482.5288                   |
| T max (°C)                                           | 55.00 | V max (V) | 5.5V 66mA | 2402.4928                   | 2482.5478                   |
|                                                      |       | V min (V) | 4.5V 66mA | 2402.5339                   | 2482.5721                   |
| Min. f <sub>L</sub> / Max. f <sub>H</sub> Band Edges |       |           |           | 2402.4399                   | 2482.4989                   |
| EU / Australia / NZ Limits                           |       |           |           | f <sub>L</sub> > 2400.0 MHz | f <sub>H</sub> < 2483.5 MHz |
| Result                                               |       |           |           | Complies                    |                             |

|              |                        |                    |       |
|--------------|------------------------|--------------------|-------|
| EUT:         | Remote Control Plane   | Model Name :       | CX201 |
| Temperature: | 26 °C                  | Relative Humidity: | 60 %  |
| Pressure:    | 1012 hPa               | Test Voltage :     | DC 5V |
| Test Mode :  | TX 11G Mode CH1 / CH13 |                    |       |

| TEST CONDITIONS                                      |       |           |           | Frequency range ( MHz )     |                             |
|------------------------------------------------------|-------|-----------|-----------|-----------------------------|-----------------------------|
|                                                      |       |           |           | f <sub>L</sub> CH1          | f <sub>H</sub> CH13         |
| T nom (°C)                                           | 20.00 | V nom (V) | 5V 66mA   | 2401.4862                   | 2482.5408                   |
| T min (°C)                                           | 0.00  | V max (V) | 5.5V 66mA | 2401.5329                   | 2482.5387                   |
|                                                      |       | V min (V) | 4.5V 66mA | 2401.4825                   | 2482.5216                   |
| T max (°C)                                           | 55.00 | V max (V) | 5.5V 66mA | 2401.4358                   | 2482.6097                   |
|                                                      |       | V min (V) | 4.5V 66mA | 2401.4228                   | 2482.5729                   |
| Min. f <sub>L</sub> / Max. f <sub>H</sub> Band Edges |       |           |           | 2401.4238                   | 2482.5997                   |
| Other EU / Australia / NZ Limits                     |       |           |           | f <sub>L</sub> > 2400.0 MHz | f <sub>H</sub> < 2483.5 MHz |
| Result                                               |       |           |           | Complies                    |                             |

|              |                        |                    |       |
|--------------|------------------------|--------------------|-------|
| EUT:         | Remote Control Plane   | Model Name :       | CX201 |
| Temperature: | 26 °C                  | Relative Humidity: | 60 %  |
| Pressure:    | 1012 hPa               | Test Voltage :     | DC 5V |
| Test Mode :  | TX 11N Mode CH1 / CH13 |                    |       |

| TEST CONDITIONS                                      |       |           |           | Frequency range ( MHz )     |                             |
|------------------------------------------------------|-------|-----------|-----------|-----------------------------|-----------------------------|
|                                                      |       |           |           | f <sub>L</sub> CH1          | f <sub>H</sub> CH13         |
| T nom (°C)                                           | 20.00 | V nom (V) | 5V 66mA   | 2401.5501                   | 2482.5791                   |
| T min (°C)                                           | 0.00  | V max (V) | 5.5V 66mA | 2401.4596                   | 2482.6029                   |
|                                                      |       | V min (V) | 4.5V 66mA | 2401.4779                   | 2482.5264                   |
| T max (°C)                                           | 55.00 | V max (V) | 5.5V 66mA | 2401.4521                   | 2482.5287                   |
|                                                      |       | V min (V) | 4.5V 66mA | 2401.5225                   | 2482.5317                   |
| Min. f <sub>L</sub> / Max. f <sub>H</sub> Band Edges |       |           |           | 2401.4196                   | 2482.6229                   |
| Other EU / Australia / NZ Limits                     |       |           |           | f <sub>L</sub> > 2400.0 MHz | f <sub>H</sub> < 2483.5 MHz |
| Result                                               |       |           |           | Complies                    |                             |

## 6. Spurious emissions – Transmitter (30- 1000MHz)

### 6.1 Applied procedures / limit

| Clause | Test Item          | Frequency(MHz) | Limit     |        |
|--------|--------------------|----------------|-----------|--------|
| 4.3.4  | Spurious emissions | 30-1000        | Operating | -36dBm |
|        |                    |                | Standby   | -57dBm |
|        | (radiated)         | 1000-12750     | Operating | -30dBm |
|        |                    |                | Standby   | -47dBm |
|        |                    | 1800-1900      | Operating | -47dBm |
|        |                    | 5150-5300      | Standby   | -47dBm |

#### 6.1.1 Measuring Instruments and Setting

Please refer to section 7.1.1 in this report. The following table is the setting of the Spectrum Analyzer.

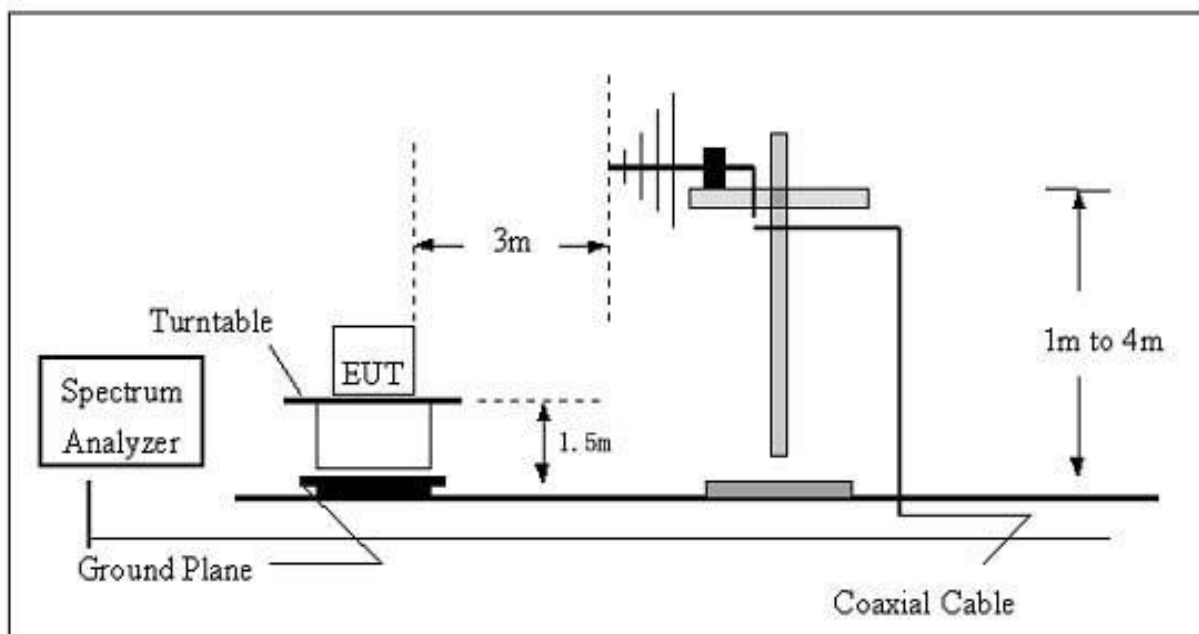
| Spectrum Analyzer | Setting          |
|-------------------|------------------|
| Attenuation       | Auto             |
| Start Frequency   | 30 MHz           |
| Stop Frequency    | 1000 MHz         |
| Detector          | Positive Peak    |
| Span              | 100 MHz          |
| Sweep Time        | 1s               |
| RB / VB           | 100 kHz / 30 kHz |

#### 6.1.2 Test Procedures

- The EUT was placed on the top of the turntable in open test site area.
- The test shall be made in the transmitting mode. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- This measurement shall be repeated with the transmitter in standby mode where applicable.
- For 30~1000MHz spurious emissions measurement, the broad band bi-log receiving antenna was placed 3 meters far away from the turntable.
- The broadband receiving antenna was fixed on the same height with the EUT to find each suspected emissions of both horizontal and vertical polarization. Each recorded suspected value is indicated as Read Level (Raw).
- Replace the EUT by standard antenna and feed the RF port by signal generator.
- Adjust the frequency of the signal generator to the suspected emission and slightly rotate the turntable to locate the position with maximum reading.
- Adjust the power level of the signal generator to reach the same reading with Read Level (Raw).
- The level of the spurious emission is the power level of (8) plus the gain of the standard antenna in dBi and minus the loss of the cable used between the signal generator and the standard antenna.
- If the level calculated in (9) is higher than limit by more than 6dB, then lower the RBW of the spectrum analyzer to 30KHz. If the level of this emission does not change by more than 2dB, then it is taken as narrowband emission, otherwise, wideband emission.
- The measurement shall be repeated at the lowest and the highest channel of the stated frequency range.

### 6.1.3 Test Setup Layout

#### (A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



### 6.1.4 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

### 6.1.5 Results of Standby Mode Spurious Emissions

For the initial investigation on standby mode and receiving mode, no significant differences in spurious emissions were observed between these 2 modes. So test data for standby mode was omitted in this section.

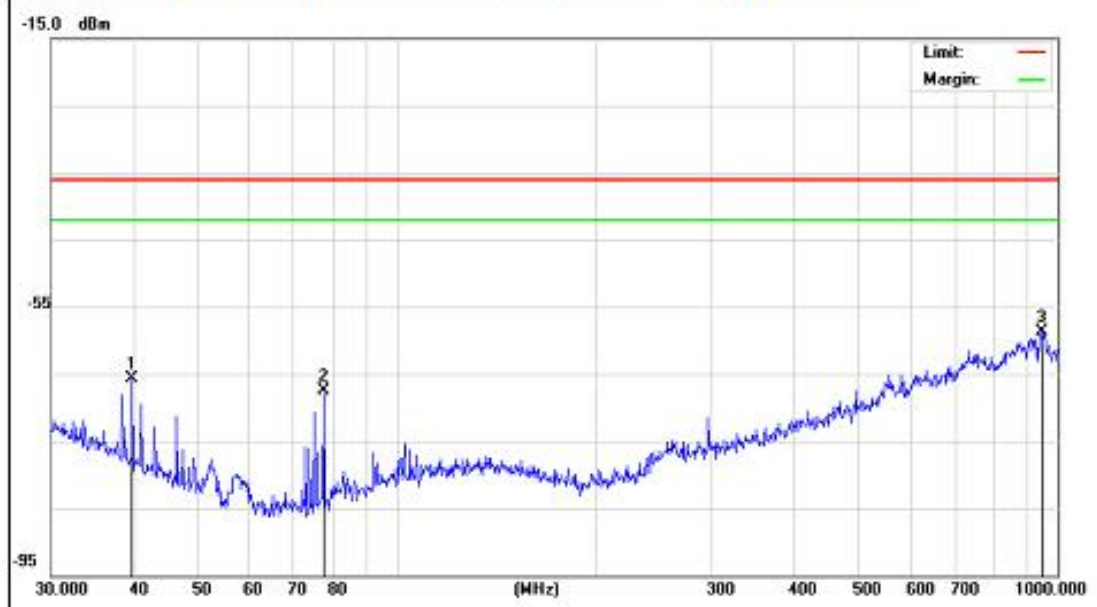
# 6.1.6 TEST RESULTS (30MHz ~ 1000MHz)

|              |                      |                    |            |
|--------------|----------------------|--------------------|------------|
| EUT:         | Remote Control Plane | Model Name :       | CX201      |
| Temperature: | 24 °C                | Relative Humidity: | 54%        |
| Pressure:    | 1010 hPa             | Test Date :        | 2025-08-21 |
| Test Mode :  | TX Mode 11b          | Polarization :     | Vertical   |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 39.8541            | -91.31                 | 25.58          | -65.73                  | -36             | -29.73         | peak          |
| 77.5928            | -87.03                 | 19.43          | -67.6                   | -36             | -31.6          | peak          |
| 945.4397           | -98.51                 | 39.81          | -58.7                   | -36             | -22.7          | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

## Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

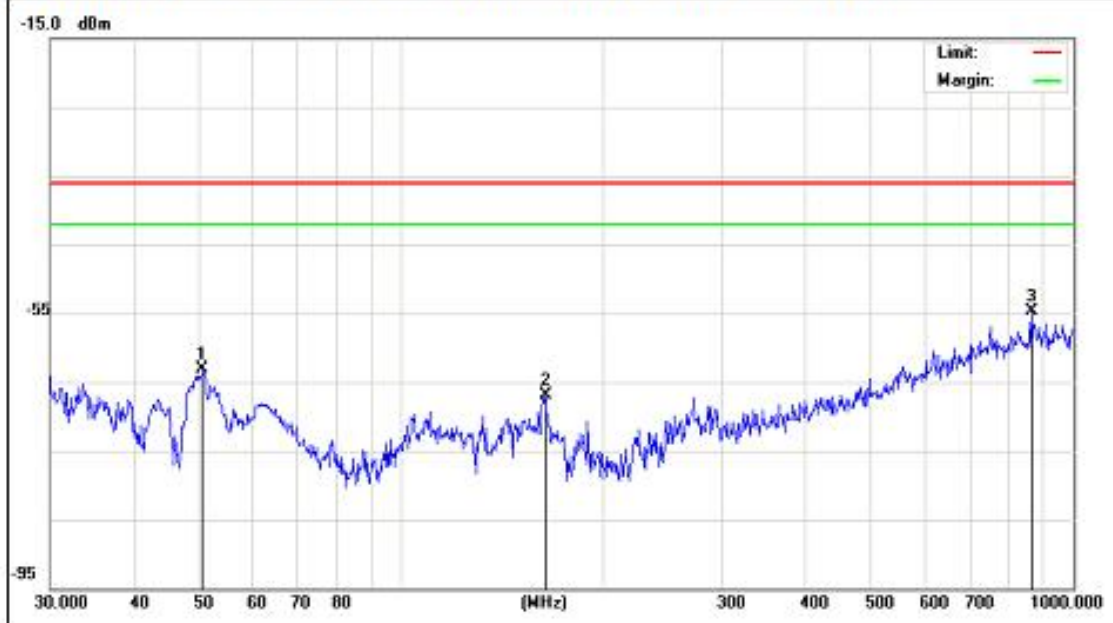


|              |                      |                    |            |
|--------------|----------------------|--------------------|------------|
| EUT:         | Remote Control Plane | Model Name :       | CX201      |
| Temperature: | 24 °C                | Relative Humidity: | 54%        |
| Pressure:    | 1010 hPa             | Test Date :        | 2025-08-21 |
| Test Mode :  | TX Mode 11b          | Polarization :     | Horizontal |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 50.5859            | -83.29                 | 20.11          | -63.18                  | -36             | -27.18         | peak          |
| 163.7547           | -89.85                 | 22.98          | -66.87                  | -36             | -30.87         | peak          |
| 866.0878           | -94.22                 | 39.52          | -54.7                   | -36             | -18.7          | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.



|              |                      |                    |            |
|--------------|----------------------|--------------------|------------|
| EUT:         | Remote Control Plane | Model Name :       | CX201      |
| Temperature: | 24 °C                | Relative Humidity: | 54%        |
| Pressure:    | 1010 hPa             | Test Date :        | 2025-08-21 |
| Test Mode :  | TX Mode 11g          | Polarization :     | Vertical   |

| Frequency<br>(MHz) | Meter Reading<br>(dBμV) | Factor<br>(dB) | Emission Level<br>(dBμV/m) | Limits<br>(dBμV/m) | Margin<br>(dB) | Detector Type |
|--------------------|-------------------------|----------------|----------------------------|--------------------|----------------|---------------|
| 35.375             | -54.98                  | 15.48          | -39.8                      | -36                | -3.8           | peak          |
| 46.9947            | -50.73                  | 9.6            | -41.15                     | -36                | -5.15          | peak          |
| 90.8554            | -53.27                  | 9.47           | -43.3                      | -36                | -7.3           | peak          |
| 318.817            | -58.91                  | 14.71          | -44.6                      | -36                | -8.6           | peak          |

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

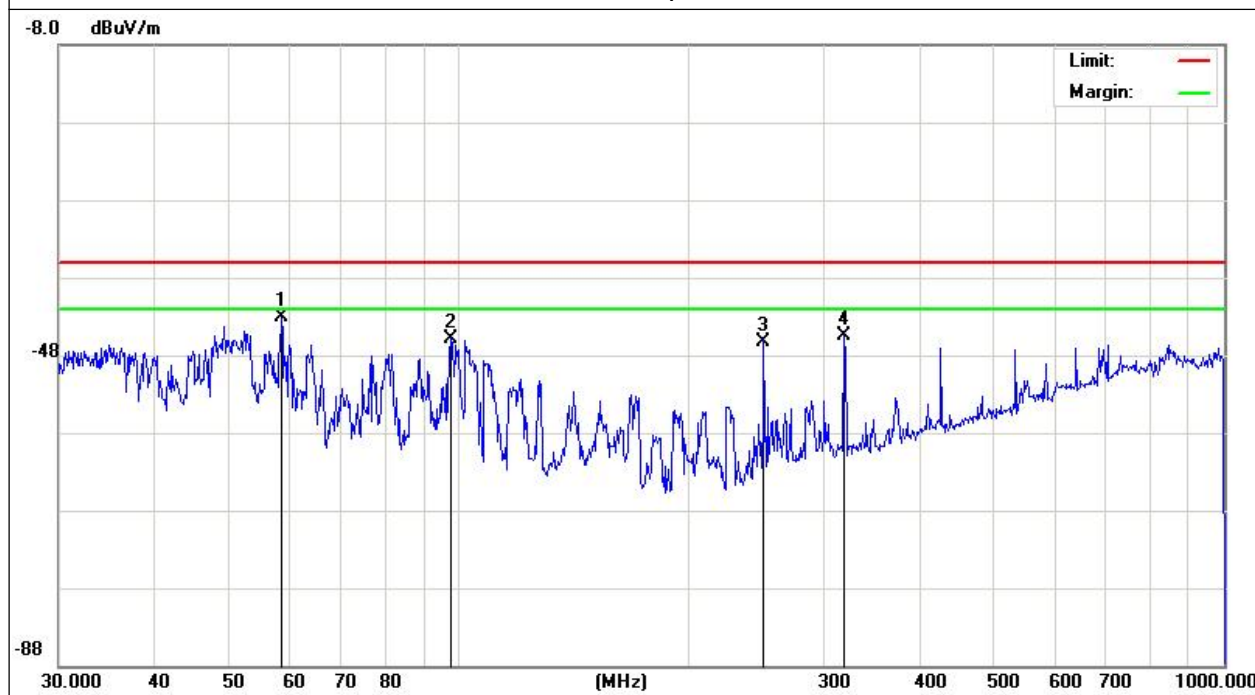


|              |                      |                    |            |
|--------------|----------------------|--------------------|------------|
| EUT:         | Remote Control Plane | Model Name :       | CX201      |
| Temperature: | 24 °C                | Relative Humidity: | 54%        |
| Pressure:    | 1010 hPa             | Test Date :        | 2025-08-21 |
| Test Mode :  | TX Mode 11g          | Polarization :     | Horizontal |

| Frequency<br>(MHz) | Meter Reading<br>(dBμV) | Factor<br>(dB) | Emission Level<br>(dBμV/m) | Limits<br>(dBμV/m) | Margin<br>(dB) | Detector Type |
|--------------------|-------------------------|----------------|----------------------------|--------------------|----------------|---------------|
| 58.6126            | -48.46                  | 5.36           | -43.2                      | -36                | -7.2           | peak          |
| 97.798             | -56.05                  | 10.25          | -45.6                      | -36                | -9.6           | peak          |
| 250.3009           | -59.29                  | 13.09          | -46.4                      | -36                | -10.4          | peak          |
| 318.817            | -60.11                  | 14.71          | -45.5                      | -36                | -9.5           | peak          |

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.



Note:

- (1) EUT Orthogonal Axis:  
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand.
- (2) Data of measurement within this frequency range shown "\*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The EUT can't be operated in the standby mode and it's always keep continuously transmitting.

## 7. SPURIOUS EMISSIONS – TRANSMITTER (ABOVE 1000MHz)

### 7.1 APPLIED PROCEDURES / LIMIT

| Clause | Test Item          | Frequency(MHz) | Limit     |        |
|--------|--------------------|----------------|-----------|--------|
| 4.3.4  | Spurious emissions | 30-1000        | Operating | -36dBm |
|        |                    |                | Standby   | -57dBm |
|        | (narrowband)       | 1000-12750     | Operating | -30dBm |
|        |                    |                | Standby   | -47dBm |
|        |                    | 1800-1900      | Operating | -47dBm |
|        |                    | 5150-5300      | Standby   | -47dBm |

#### 7.1.1 Measuring Instruments and Setting

Please refer to section 7.1.1 in this report. The following table is the setting of the Spectrum Analyzer.

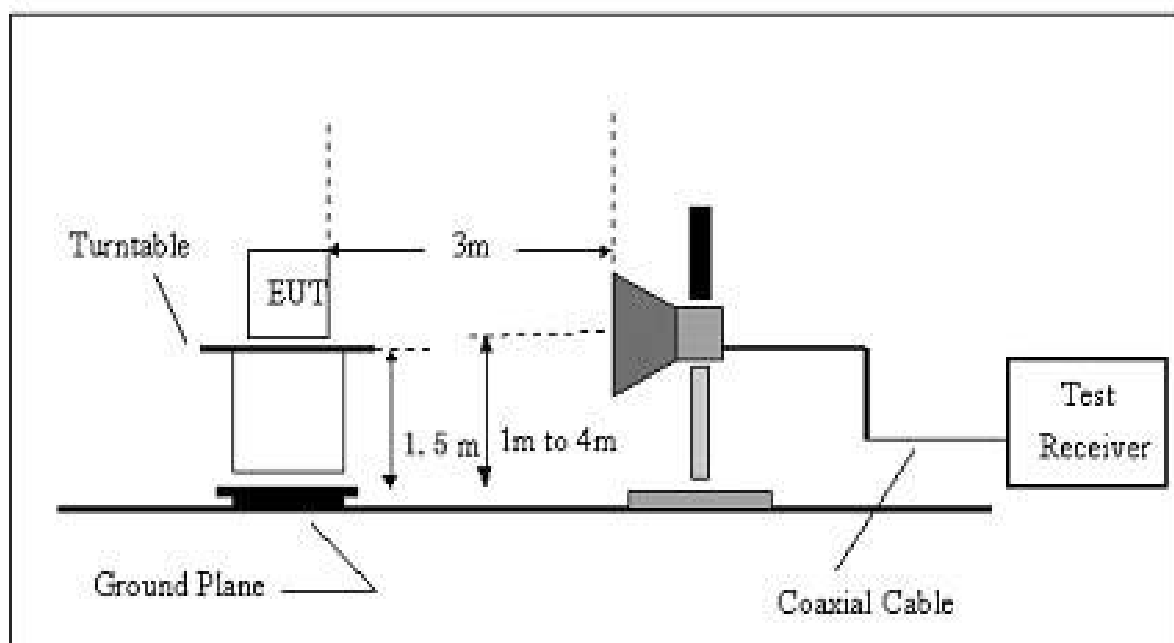
| Spectrum Analyzer | Setting          |
|-------------------|------------------|
| Attenuation       | Auto             |
| Start Frequency   | 1000 MHz         |
| Stop Frequency    | 12750 MHz        |
| Detector          | Positive Peak    |
| Span              | 100 MHz          |
| Sweep Time        | 1s               |
| RB / VB           | 100 kHz / 30 kHz |

### 7.1.2 Test Procedures

- The EUT was placed on the top of the turntable in open test site area.
- The test shall be made in the transmitting mode. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- This measurement shall be repeated with the transmitter in standby mode where applicable.
- For 30~1000MHz spurious emissions measurement, the broad band bi-log receiving antenna was placed 3 meters far away from the turntable.
- The broadband receiving antenna was fixed on the same height with the EUT to find each suspected emissions of both horizontal and vertical polarization. Each recorded suspected value is indicated as Read Level (Raw).
- Replace the EUT by standard antenna and feed the RF port by signal generator.
- Adjust the frequency of the signal generator to the suspected emission and slightly rotate the turntable to locate the position with maximum reading.
- Adjust the power level of the signal generator to reach the same reading with Read Level (Raw).
- The level of the spurious emission is the power level of (8) plus the gain of the standard antenna in dBi and minus the loss of the cable used between the signal generator and the standard antenna.
- If the level calculated in (9) is higher than limit by more than 6dB, then lower the RBW of the spectrum analyzer to 30KHz. If the level of this emission does not change by more than 2dB, then it is taken as narrowband emission, otherwise, wideband emission.
- The measurement shall be repeated at the lowest and the highest channel of the stated frequency range.

### 7.1.3 Test Setup Layout

#### (B) Radiated Emission Test Set-Up Frequency Above 1 GHz



#### 7.1.4 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

#### 7.1.5 Results of Standby Mode Spurious Emissions

For the initial investigation on standby mode and receiving mode, no significant differences in spurious emissions were observed between these 2 modes. So test data for standby mode was omitted in this section.

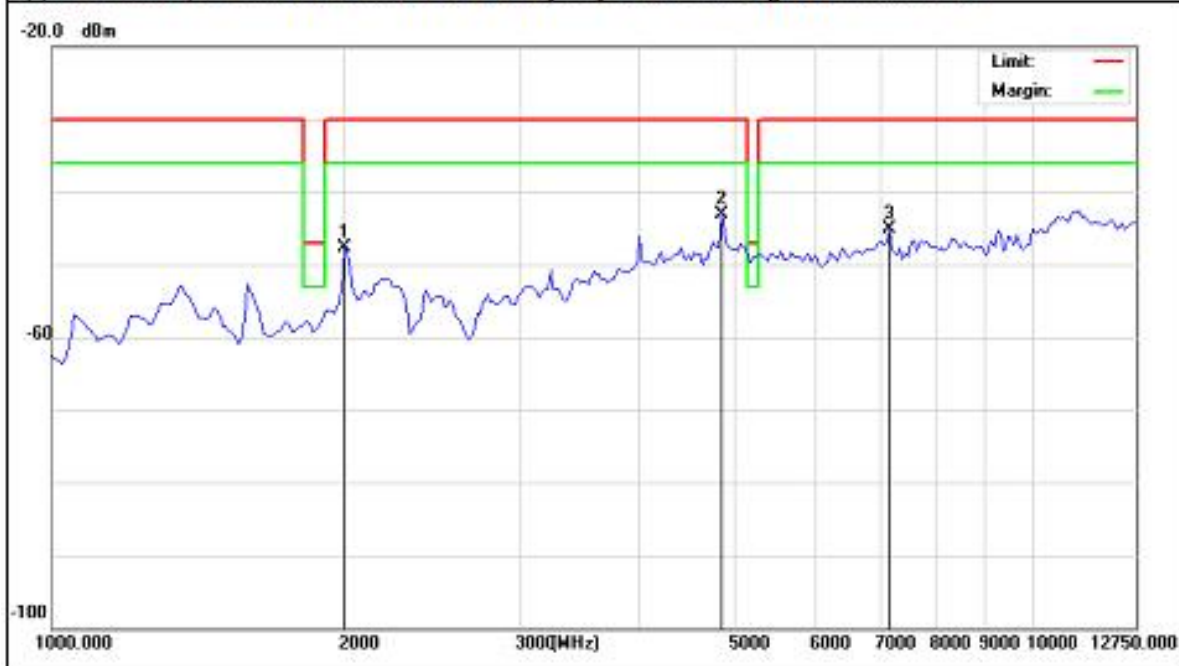
### 7.1.6 TEST RESULTS

|              |                      |                    |            |
|--------------|----------------------|--------------------|------------|
| EUT:         | Remote Control Plane | Model Name :       | CX201      |
| Temperature: | 24 °C                | Relative Humidity: | 54%        |
| Pressure:    | 1010 hPa             | Test Date :        | 2025-08-21 |
| Test Mode :  | TX Mode 2412 MHz     | Polarization :     | Vertical   |
| Test Power : | DC 5V(11b)           |                    |            |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|---------------|--------|----------------|--------|--------|---------------|
| (MHz)     | (dBm)         | (dB)   | (dBm)          | (dBm)  | (dB)   |               |
| 1998.75   | -46.79        | -0.96  | -47.75         | -30    | -17.75 | peak          |
| 4818.75   | -51.52        | 8.51   | -43.01         | -30    | -13.01 | peak          |
| 7168.75   | -55.3         | 10.22  | -45.08         | -30    | -15.08 | peak          |
|           |               |        |                |        |        |               |

#### Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

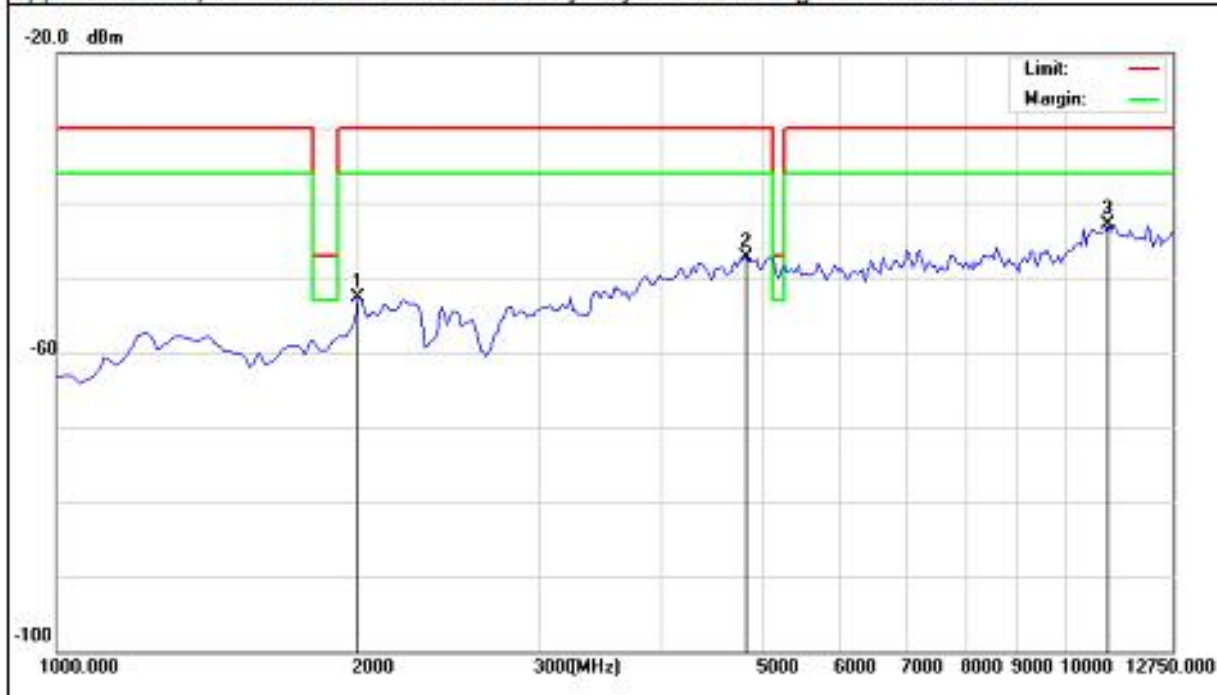


|              |                      |                    |            |
|--------------|----------------------|--------------------|------------|
| EUT:         | Remote Control Plane | Model Name :       | CX201      |
| Temperature: | 24 °C                | Relative Humidity: | 54%        |
| Pressure:    | 1010 hPa             | Test Date :        | 2025-08-21 |
| Test Mode :  | TX Mode 2412 MHz     | Polarization :     | Horizontal |
| Test Power : | DC 5V(11b)           |                    |            |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 1998.75            | -51.71                 | -0.98          | -52.67                  | -30             | -22.67         | peak          |
| 4818.75            | -55.84                 | 8.51           | -47.33                  | -30             | -17.33         | peak          |
| 11046.25           | -58.06                 | 15.07          | -42.99                  | -30             | -12.99         | peak          |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

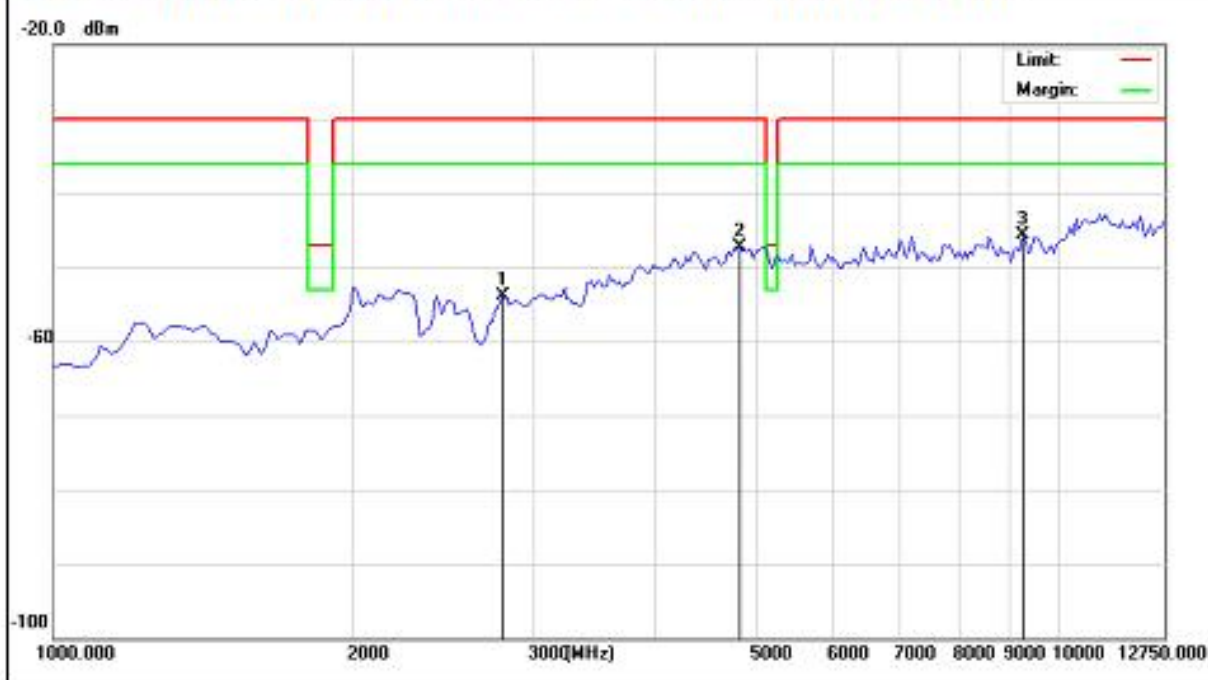


|              |                      |                    |            |
|--------------|----------------------|--------------------|------------|
| EUT:         | Remote Control Plane | Model Name :       | CX201      |
| Temperature: | 24 °C                | Relative Humidity: | 54%        |
| Pressure:    | 1010 hPa             | Test Date :        | 2025-08-21 |
| Test Mode :  | TX Mode 2442 MHz     | Polarization :     | Vertical   |
| Test Power : | DC 5V(11b)           |                    |            |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|---------------|--------|----------------|--------|--------|---------------|
| (MHz)     | (dBm)         | (dB)   | (dBm)          | (dBm)  | (dB)   |               |
| 2821.25   | -54.07        | 0.11   | -53.96         | -30    | -23.96 | peak          |
| 4818.75   | -55.84        | 8.51   | -47.33         | -30    | -17.33 | peak          |
| 9254.375  | -57.32        | 11.61  | -45.71         | -30    | -15.71 | peak          |
|           |               |        |                |        |        |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

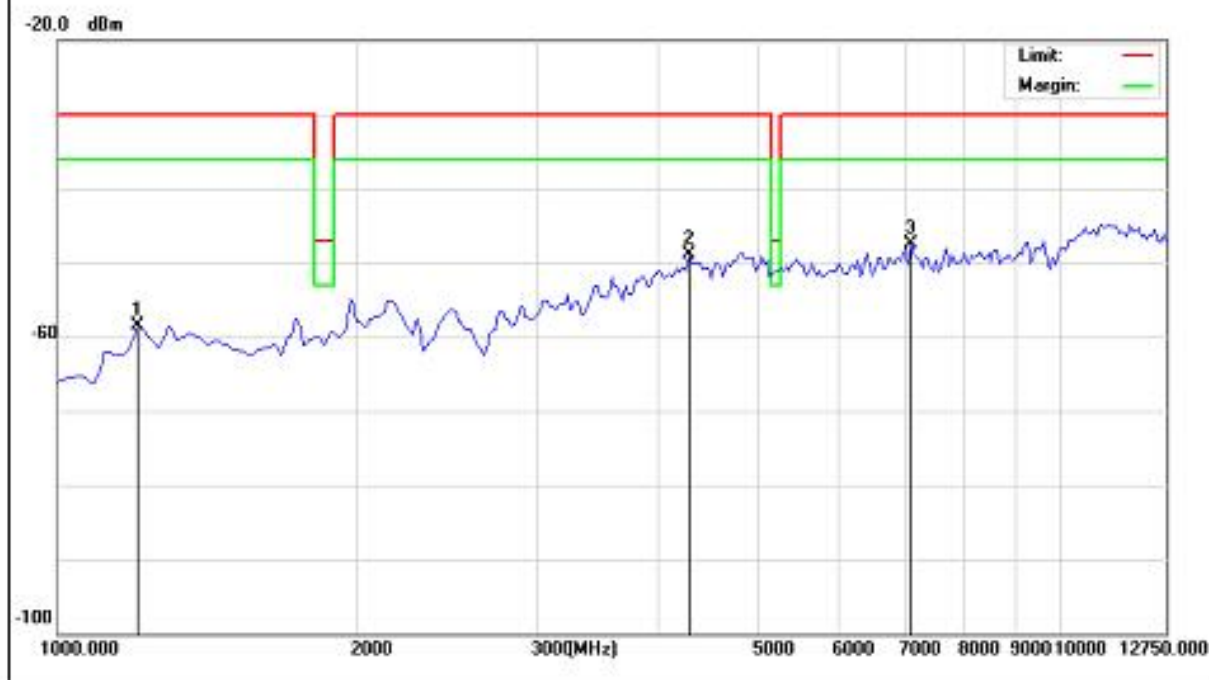


|              |                      |                    |            |
|--------------|----------------------|--------------------|------------|
| EUT:         | Remote Control Plane | Model Name :       | CX201      |
| Temperature: | 24 °C                | Relative Humidity: | 54%        |
| Pressure:    | 1010 hPa             | Test Date :        | 2025-08-21 |
| Test Mode :  | TX Mode 2442 MHz     | Polarization :     | Horizontal |
| Test Power : | DC 5V(11b)           |                    |            |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 1205.625           | -54.73                 | -3.69          | -58.42                  | -30             | -28.42         | peak          |
| 4290               | -55.29                 | 6.46           | -48.83                  | -30             | -18.83         | peak          |
| 7139.375           | -58.14                 | 10.56          | -47.58                  | -30             | -17.58         | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

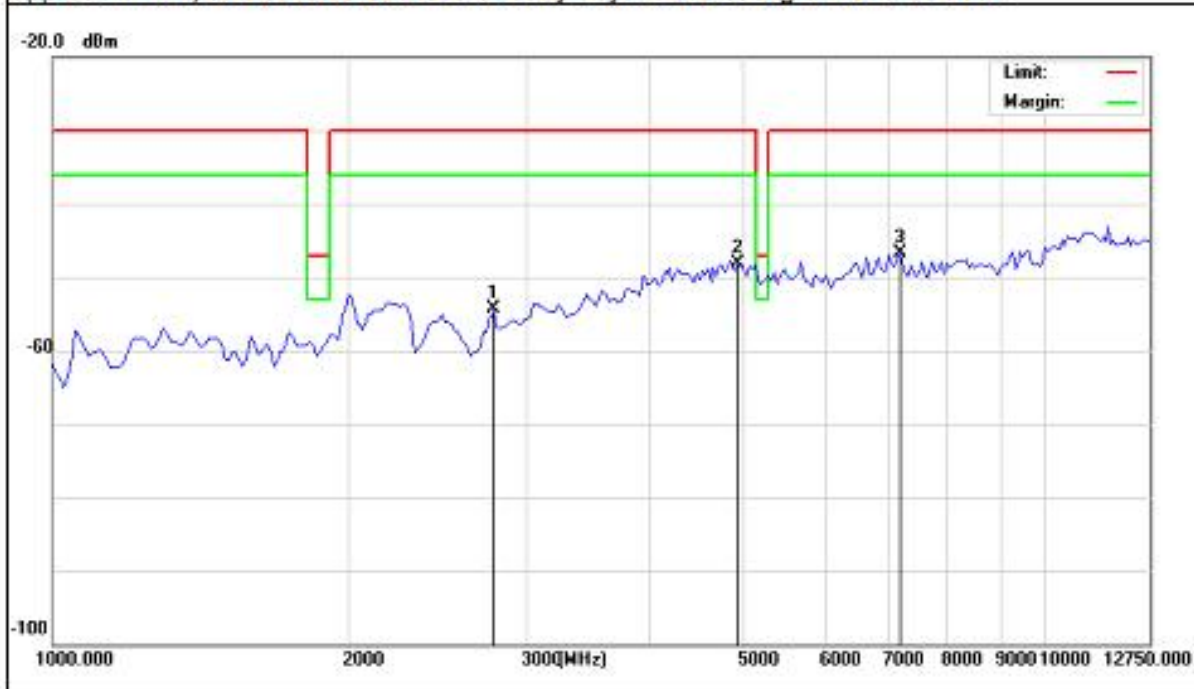


|              |                      |                    |            |
|--------------|----------------------|--------------------|------------|
| EUT:         | Remote Control Plane | Model Name :       | CX201      |
| Temperature: | 24 °C                | Relative Humidity: | 54%        |
| Pressure:    | 1010 hPa             | Test Date :        | 2025-08-21 |
| Test Mode :  | TX Mode 2472 MHz     | Polarization :     | Vertical   |
| Test Power : | DC 5V(11b)           |                    |            |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 2791.875           | -54.47                 | 0.14           | -54.33                  | -30             | -24.33         | peak          |
| 4936.25            | -56.59                 | 8.51           | -48.08                  | -30             | -18.08         | peak          |
| 7168.75            | -56.93                 | 10.22          | -46.71                  | -30             | -16.71         | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

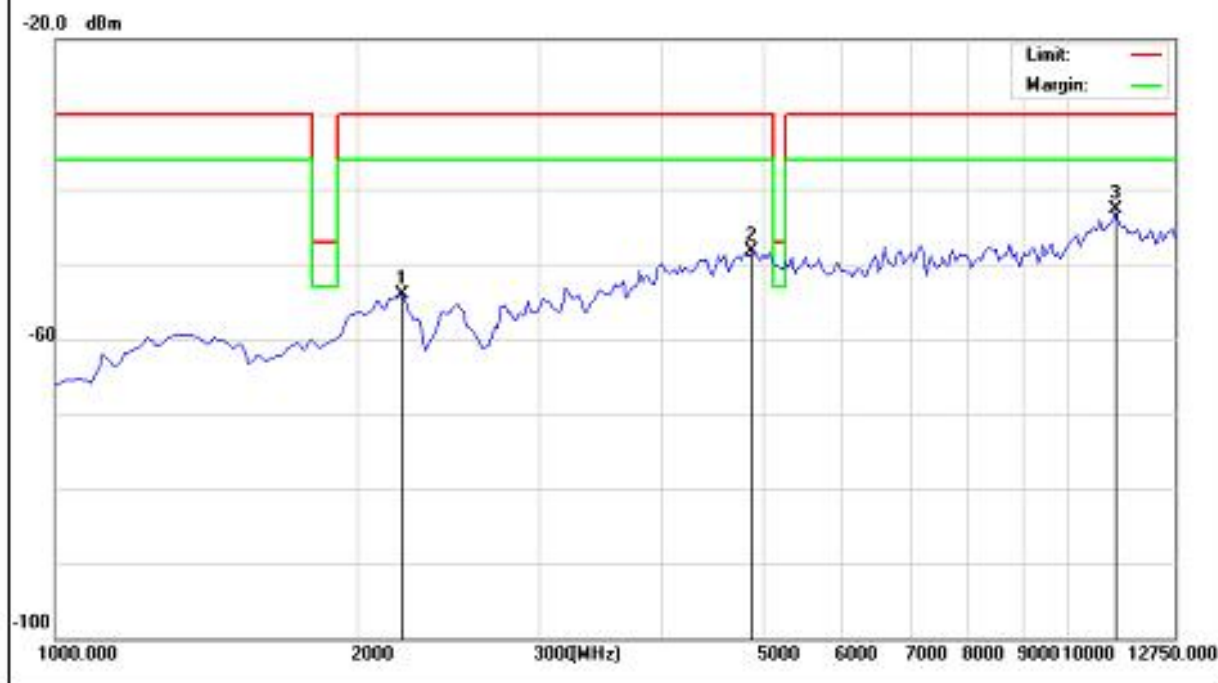


|              |                      |                    |            |
|--------------|----------------------|--------------------|------------|
| EUT:         | Remote Control Plane | Model Name :       | CX201      |
| Temperature: | 24 °C                | Relative Humidity: | 54%        |
| Pressure:    | 1010 hPa             | Test Date :        | 2025-08-21 |
| Test Mode :  | TX Mode 2472 MHz     | Polarization :     | Horizontal |
| Test Power : | DC 5V(11b)           |                    |            |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 2204.375           | -53.62                 | -0.56          | -54.18                  | -30             | -24.18         | peak          |
| 4906.875           | -56.74                 | 8.37           | -48.37                  | -30             | -18.37         | peak          |
| 11163.75           | -56.79                 | 14.15          | -42.64                  | -30             | -12.64         | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

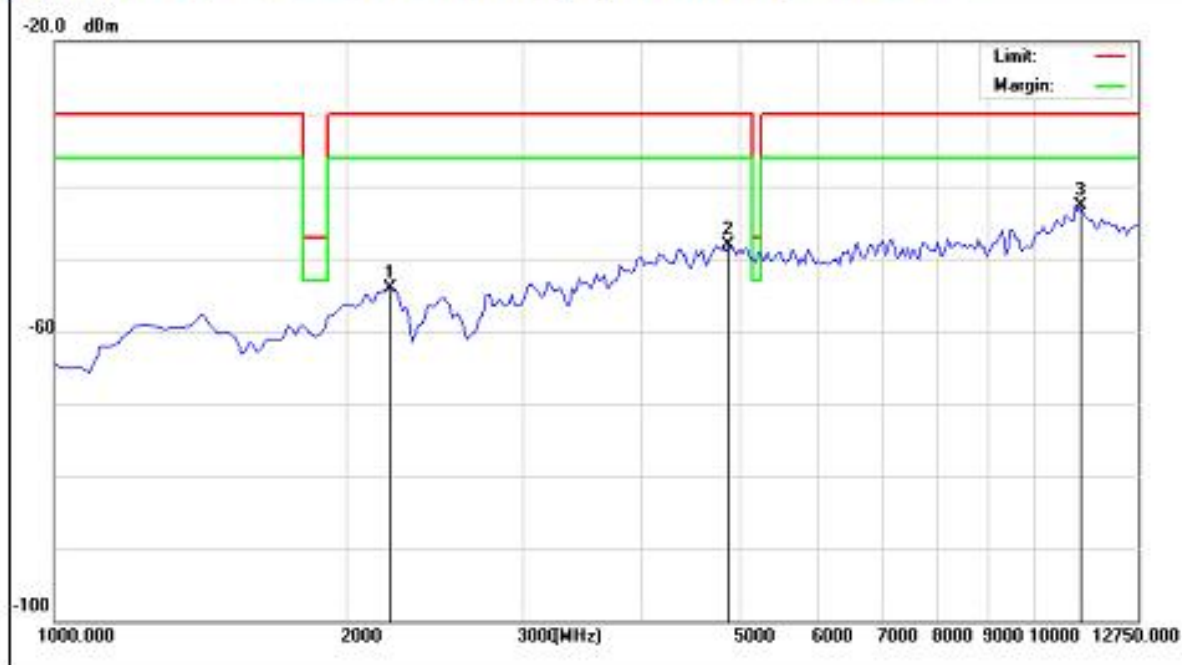


|              |                      |                    |            |
|--------------|----------------------|--------------------|------------|
| EUT:         | Remote Control Plane | Model Name :       | CX201      |
| Temperature: | 24 °C                | Relative Humidity: | 54%        |
| Pressure:    | 1010 hPa             | Test Date :        | 2025-08-21 |
| Test Mode :  | TX Mode 2412 MHz     | Polarization :     | Vertical   |
| Test Power : | DC 5V(11g)           |                    |            |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 2204.375           | -53.51                 | -0.56          | -54.07                  | -30             | -24.07         | peak          |
| 4877.5             | -56.65                 | 8.46           | -48.19                  | -30             | -18.19         | peak          |
| 11163.75           | -56.79                 | 14.15          | -42.64                  | -30             | -12.64         | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

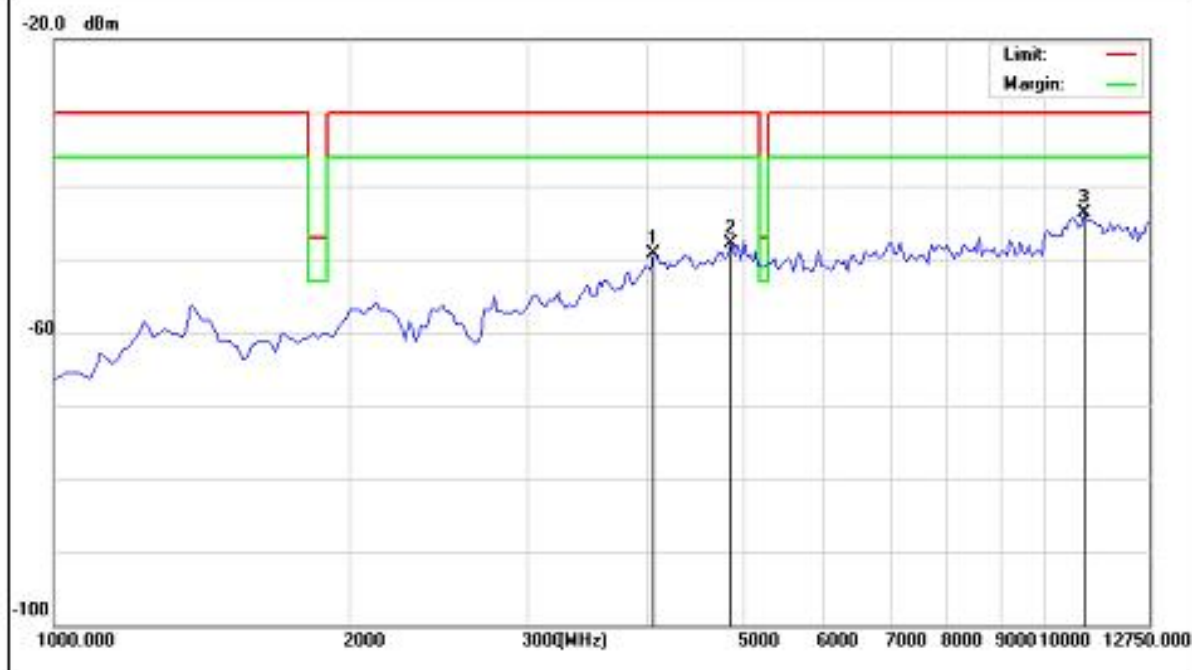


|              |                      |                   |            |
|--------------|----------------------|-------------------|------------|
| EUT:         | Remote Control Plane | Model Name :      | CX201      |
| Temperature: | 24 °C                | Relative Humidity | 54%        |
| Pressure:    | 1010 hPa             | Test Date :       | 2025-08-21 |
| Test Mode :  | TX Mode 2412 MHz     | Polarization :    | Horizontal |
| Test Power : | DC 5V(11g)           |                   |            |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 4055               | -55.48                 | 6.11           | -49.37                  | -30             | -19.37         | peak          |
| 4818.75            | -56.5                  | 8.51           | -47.99                  | -30             | -17.99         | peak          |
| 10958.125          | -59.02                 | 15.39          | -43.63                  | -30             | -13.63         | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

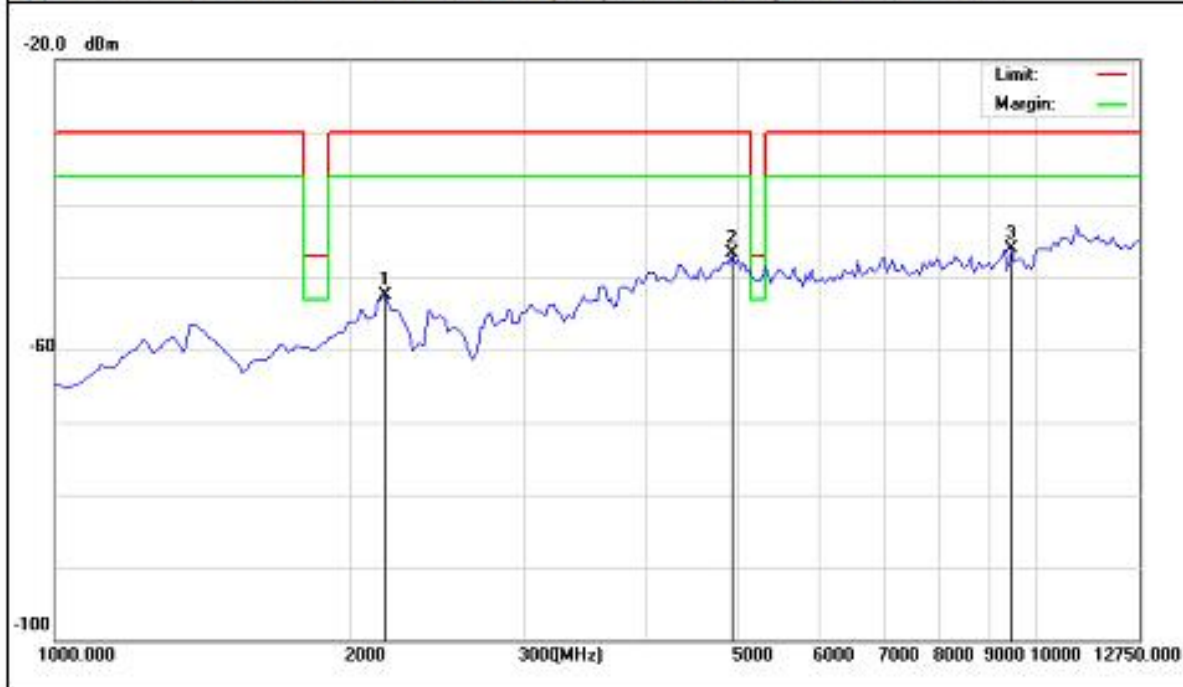


|              |                      |                   |            |
|--------------|----------------------|-------------------|------------|
| EUT:         | Remote Control Plane | Model Name :      | CX201      |
| Temperature: | 24 °C                | Relative Humidity | 54%        |
| Pressure:    | 1010 hPa             | Test Date :       | 2025-08-21 |
| Test Mode :  | TX Mode 2442 MHz     | Polarization :    | Vertical   |
| Test Power : | DC 5V(11g)           |                   |            |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 2175               | -52.33                 | -0.23          | -52.56                  | -30             | -22.56         | peak          |
| 4936.25            | -55.25                 | 8.51           | -46.74                  | -30             | -16.74         | peak          |
| 9489.375           | -57.7                  | 11.51          | -46.19                  | -30             | -16.19         | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

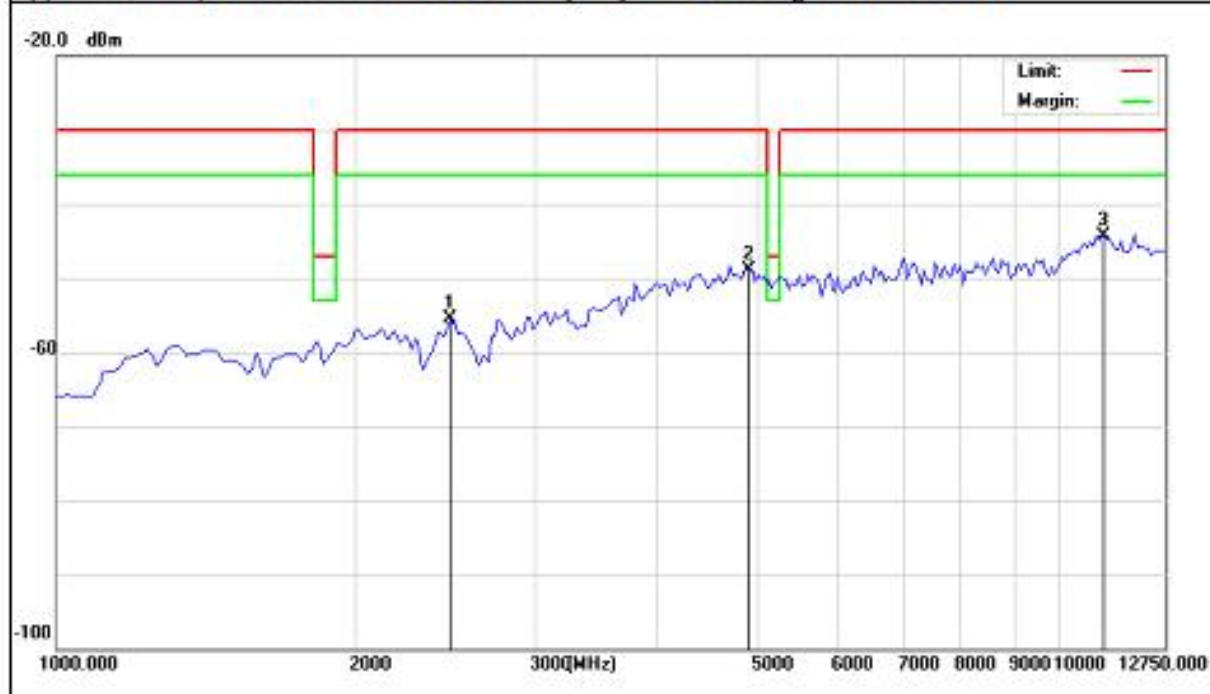


|              |                      |                   |            |
|--------------|----------------------|-------------------|------------|
| EUT:         | Remote Control Plane | Model Name :      | CX201      |
| Temperature: | 24 °C                | Relative Humidity | 54%        |
| Pressure:    | 1010 hPa             | Test Date :       | 2025-08-21 |
| Test Mode :  | TX Mode 2442 MHz     | Polarization :    | Horizontal |
| Test Power : | DC 5V(11g)           |                   |            |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 2468.75            | -54.22                 | -1.3           | -55.52                  | -30             | -25.52         | peak          |
| 4936.25            | -57.35                 | 8.51           | -48.84                  | -30             | -18.84         | peak          |
| 11134.375          | -58.48                 | 14.11          | -44.37                  | -30             | -14.37         | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

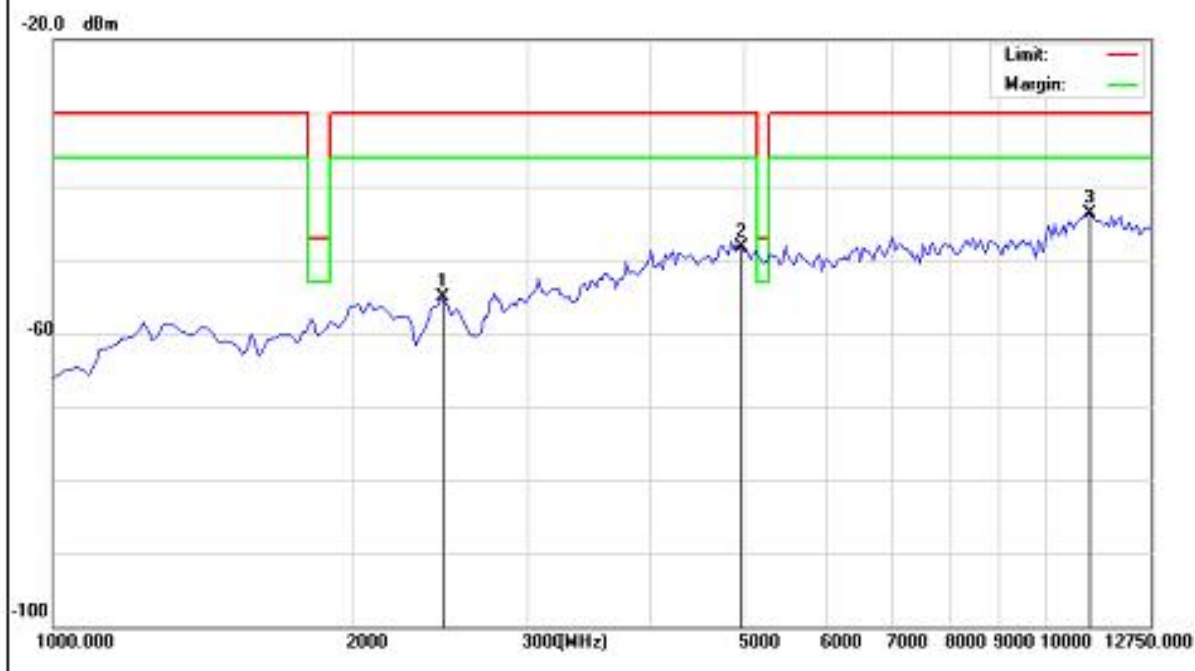


|              |                      |                   |            |
|--------------|----------------------|-------------------|------------|
| EUT:         | Remote Control Plane | Model Name :      | CX201      |
| Temperature: | 24 °C                | Relative Humidity | 54%        |
| Pressure:    | 1010 hPa             | Test Date :       | 2025-08-21 |
| Test Mode :  | TX Mode 2472 MHz     | Polarization :    | Vertical   |
| Test Power : | DC 5V(11g)           |                   |            |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|---------------|--------|----------------|--------|--------|---------------|
| (MHz)     | (dBm)         | (dB)   | (dBm)          | (dBm)  | (dB)   |               |
| 2488.75   | -53.7         | -1.3   | -55            | -30    | -25    | peak          |
| 4965.625  | -56.76        | 8.48   | -48.28         | -30    | -18.28 | peak          |
| 11105.00  | -57.72        | 13.99  | -43.73         | -30    | -13.73 | peak          |
|           |               |        |                |        |        |               |
|           |               |        |                |        |        |               |
|           |               |        |                |        |        |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

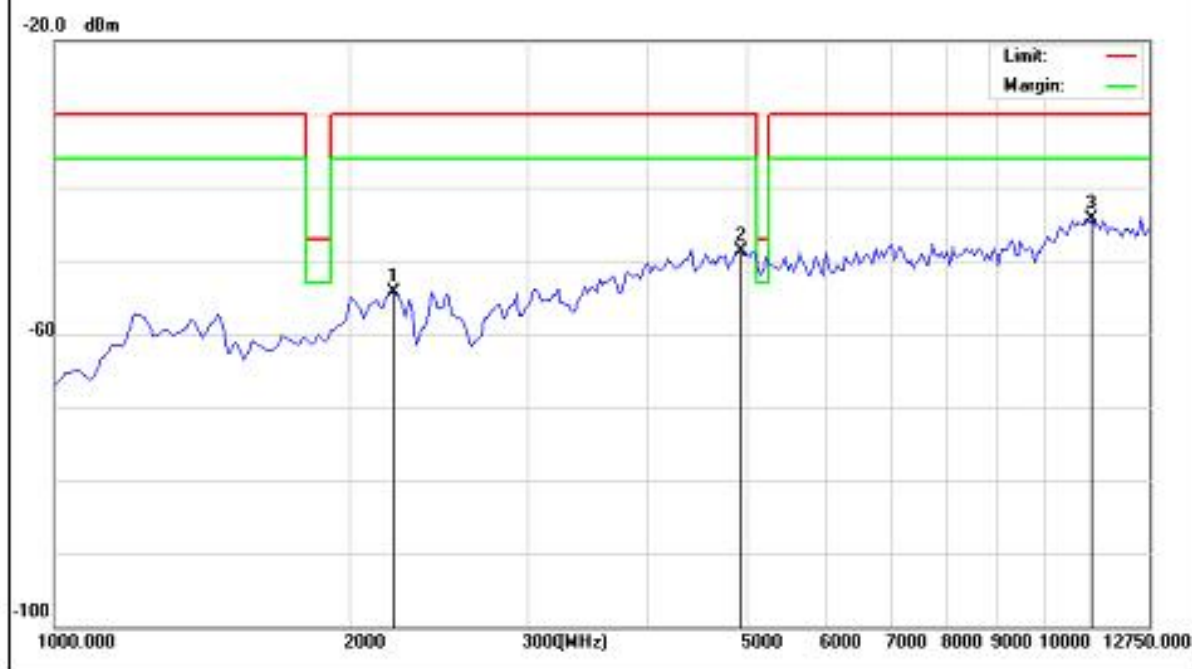


|              |                      |                   |            |
|--------------|----------------------|-------------------|------------|
| EUT:         | Remote Control Plane | Model Name :      | CX201      |
| Temperature: | 24 °C                | Relative Humidity | 54%        |
| Pressure:    | 1010 hPa             | Test Date :       | 2025-08-21 |
| Test Mode :  | TX Mode 2472 MHz     | Polarization :    | Horizontal |
| Test Power : | DC 5V(11g)           |                   |            |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|---------------|--------|----------------|--------|--------|---------------|
| (MHz)     | (dBm)         | (dB)   | (dBm)          | (dBm)  | (dB)   |               |
| 2204.375  | -53.8         | -0.56  | -54.36         | -30    | -24.36 | peak          |
| 4965.625  | -57.18        | 8.48   | -48.7          | -30    | -18.7  | peak          |
| 11163.75  | -58.46        | 14.15  | -44.31         | -30    | -14.31 | peak          |
|           |               |        |                |        |        |               |
|           |               |        |                |        |        |               |
|           |               |        |                |        |        |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

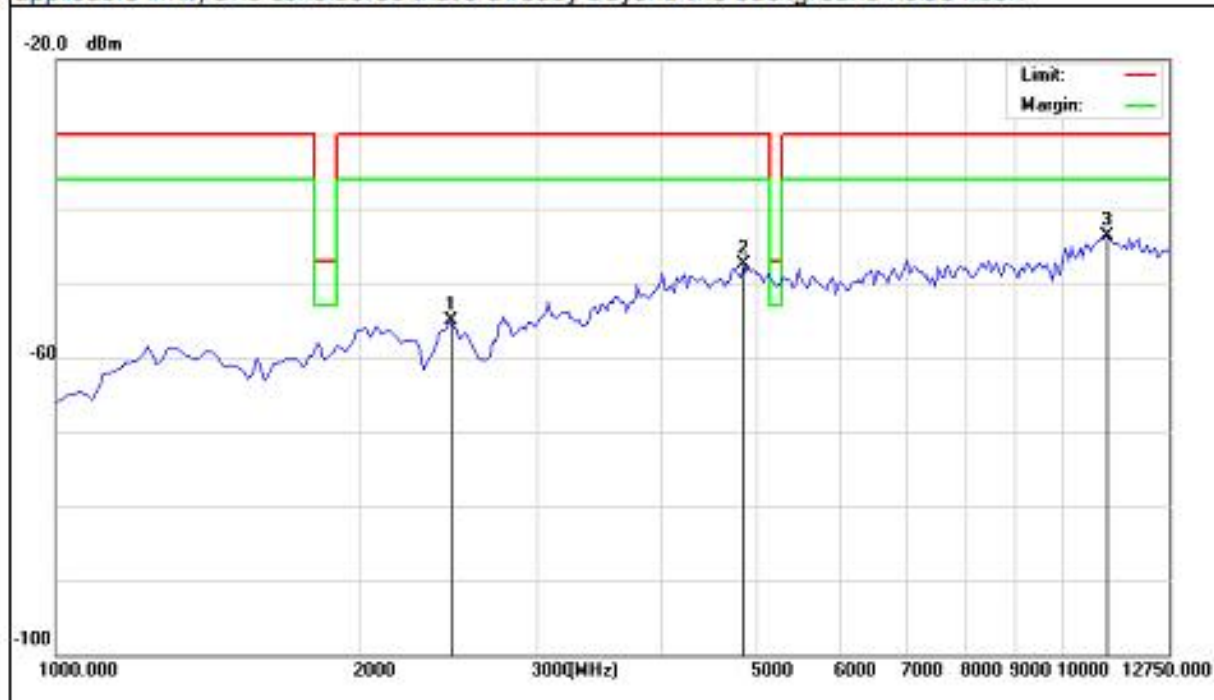


|              |                      |                   |            |
|--------------|----------------------|-------------------|------------|
| EUT:         | Remote Control Plane | Model Name :      | CX201      |
| Temperature: | 24 °C                | Relative Humidity | 54%        |
| Pressure:    | 1010 hPa             | Test Date :       | 2025-08-21 |
| Test Mode :  | n Mode 2412 MHz      | Polarization :    | Vertical   |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 2468.75            | -53.7                  | -1.3           | -55                     | -30             | -25            | peak          |
| 4818.75            | -56.01                 | 8.51           | -47.5                   | -30             | -17.5          | peak          |
| 11105.00           | -57.72                 | 13.99          | -43.73                  | -30             | -13.73         | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

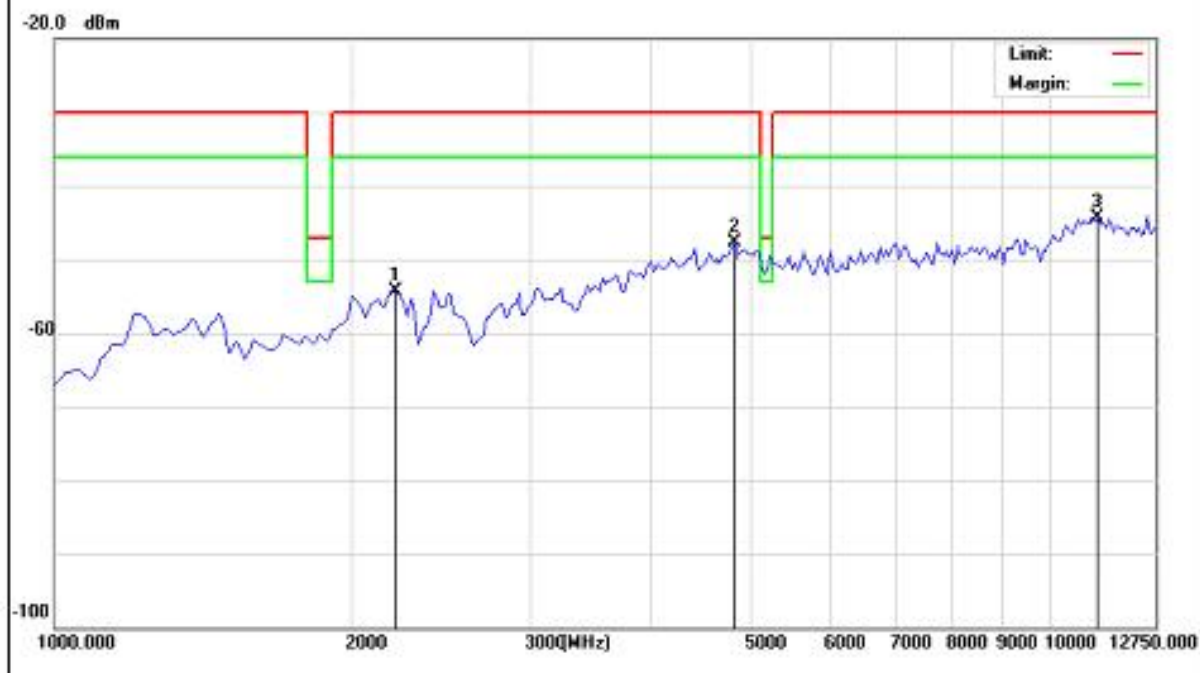


|              |                      |                   |            |
|--------------|----------------------|-------------------|------------|
| EUT:         | Remote Control Plane | Model Name :      | CX201      |
| Temperature: | 24 °C                | Relative Humidity | 54%        |
| Pressure:    | 1010 hPa             | Test Date :       | 2025-08-21 |
| Test Mode :  | n Mode 2412 MHz      | Polarization :    | Horizontal |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 2204.375           | -53.8                  | -0.56          | -54.36                  | -30             | -24.36         | peak          |
| 4818.75            | -56.25                 | 8.51           | -47.74                  | -30             | -17.74         | peak          |
| 11163.75           | -58.46                 | 14.15          | -44.31                  | -30             | -14.31         | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

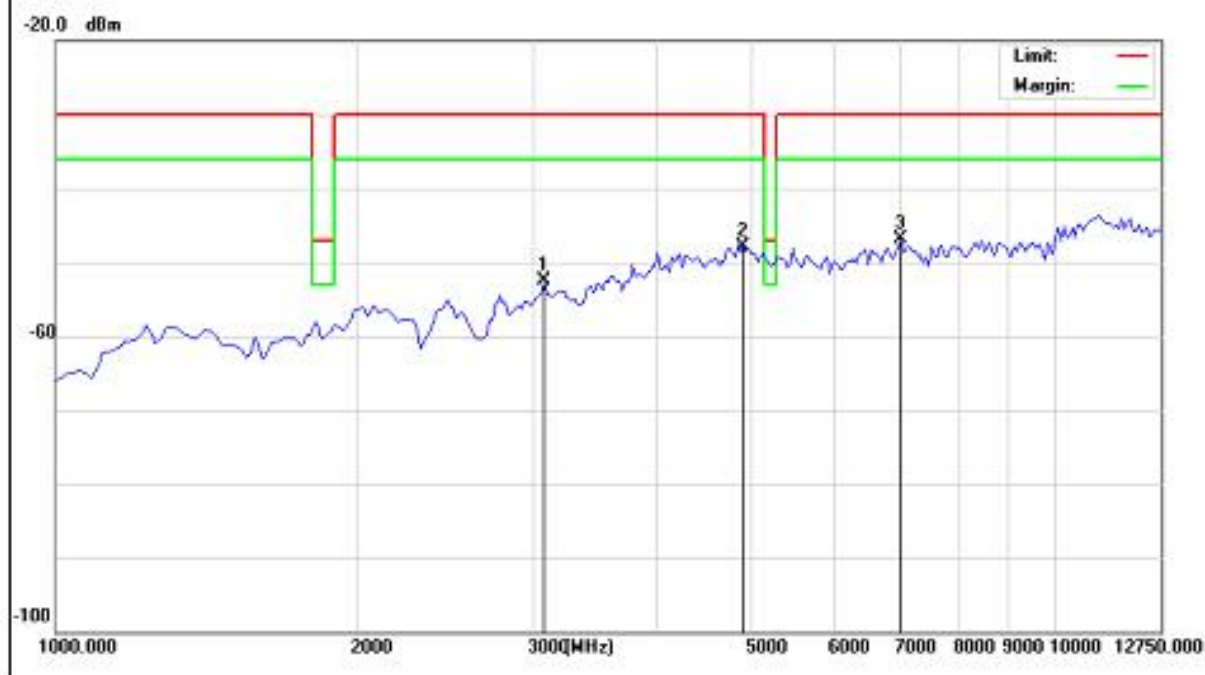


|              |                      |                   |            |
|--------------|----------------------|-------------------|------------|
| EUT:         | Remote Control Plane | Model Name :      | CX201      |
| Temperature: | 24 °C                | Relative Humidity | 54%        |
| Pressure:    | 1010 hPa             | Test Date :       | 2025-08-21 |
| Test Mode :  | n Mode 2442 MHz      | Polarization :    | Vertical   |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 3085.625           | -52.98                 | 0.54           | -52.44                  | -30             | -22.44         | peak          |
| 4906.875           | -56.22                 | 8.37           | -47.85                  | -30             | -17.85         | peak          |
| 7051.25            | -57.62                 | 10.79          | -46.83                  | -30             | -16.83         | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

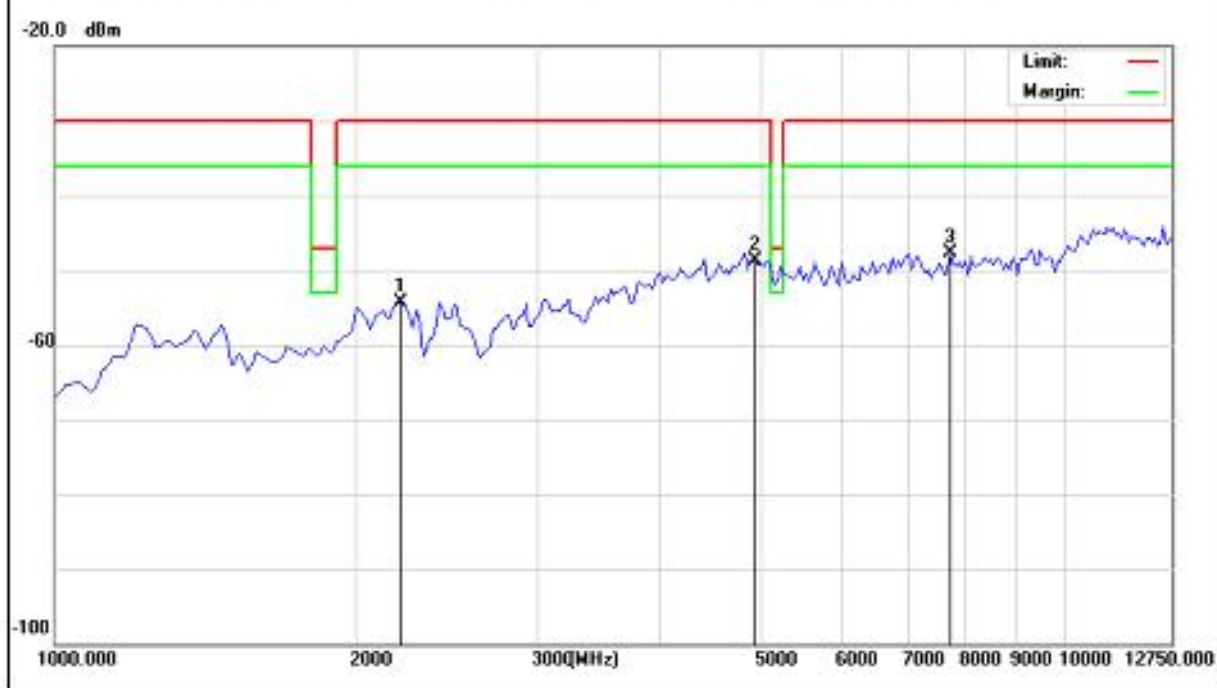


|              |                      |                   |            |
|--------------|----------------------|-------------------|------------|
| EUT:         | Remote Control Plane | Model Name :      | CX201      |
| Temperature: | 24 °C                | Relative Humidity | 54%        |
| Pressure:    | 1010 hPa             | Test Date :       | 2025-08-21 |
| Test Mode :  | n Mode 2442 MHz      | Polarization :    | Horizontal |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 2204.375           | -53.8                  | -0.56          | -54.36                  | -30             | -24.36         | peak          |
| 4965.625           | -57.18                 | 8.48           | -48.7                   | -30             | -18.7          | peak          |
| 7726.875           | -57.63                 | 9.87           | -47.76                  | -30             | -17.76         | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

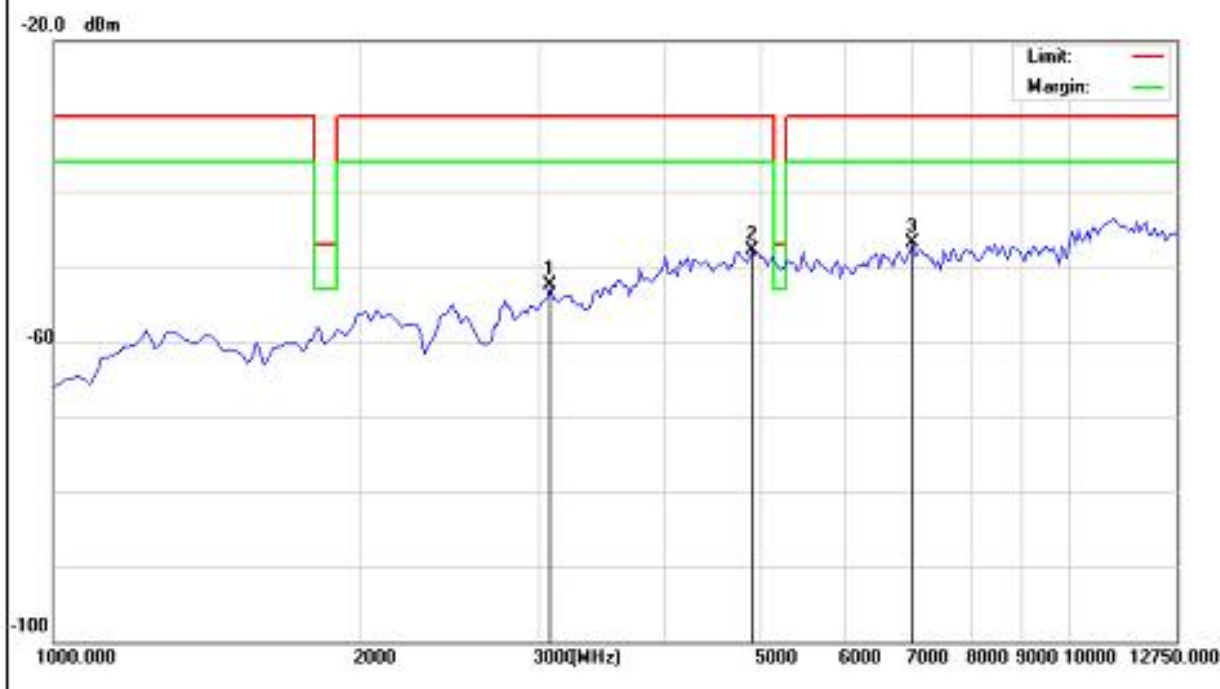


|              |                      |                   |            |
|--------------|----------------------|-------------------|------------|
| EUT:         | Remote Control Plane | Model Name :      | CX201      |
| Temperature: | 24 °C                | Relative Humidity | 54%        |
| Pressure:    | 1010 hPa             | Test Date :       | 2025-08-21 |
| Test Mode :  | n Mode 2472 MHz      | Polarization :    | Vertical   |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 3085.625           | -52.98                 | 0.54           | -52.44                  | -30             | -22.44         | peak          |
| 4906.875           | -56.22                 | 8.37           | -47.85                  | -30             | -17.85         | peak          |
| 7051.25            | -57.62                 | 10.79          | -46.83                  | -30             | -16.83         | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.

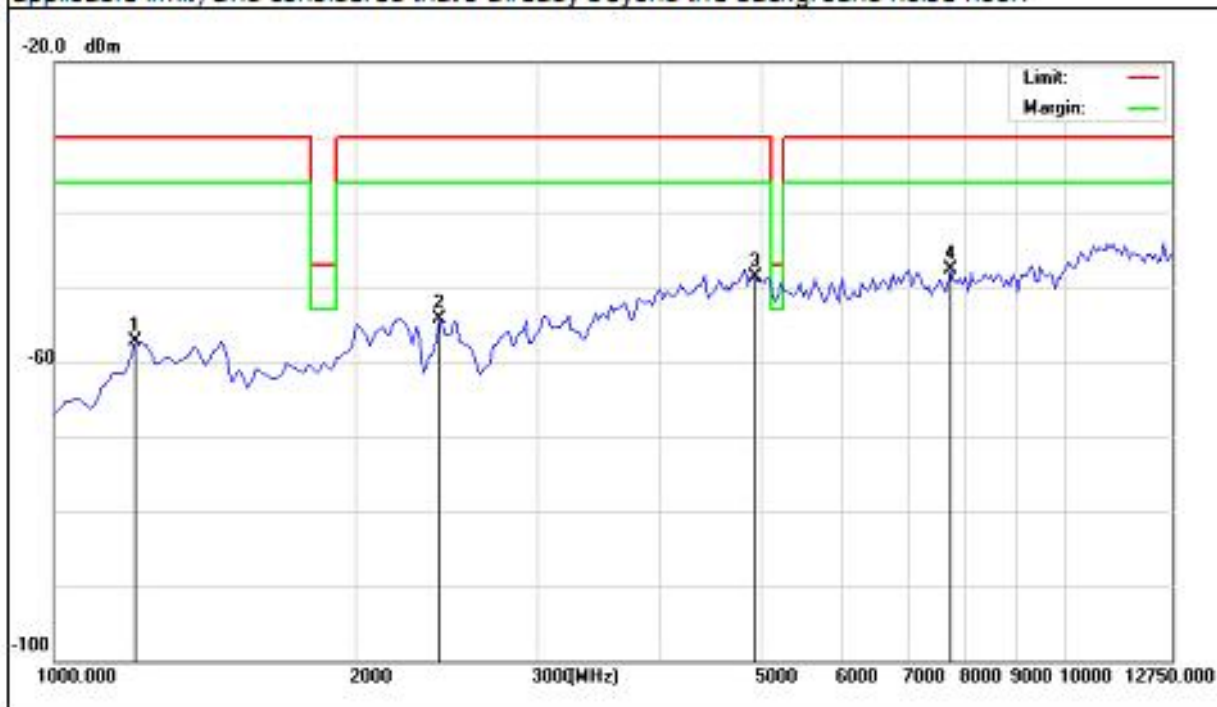


|              |                      |                   |            |
|--------------|----------------------|-------------------|------------|
| EUT:         | Remote Control Plane | Model Name :      | CX201      |
| Temperature: | 24 °C                | Relative Humidity | 54%        |
| Pressure:    | 1010 hPa             | Test Date :       | 2025-08-21 |
| Test Mode :  | n Mode 2472 MHz      | Polarization :    | Horizontal |

| Frequency<br>(MHz) | Meter Reading<br>(dBm) | Factor<br>(dB) | Emission Level<br>(dBm) | Limits<br>(dBm) | Margin<br>(dB) | Detector Type |
|--------------------|------------------------|----------------|-------------------------|-----------------|----------------|---------------|
| 1205.625           | -53.67                 | -3.69          | -57.36                  | -30             | -27.36         | peak          |
| 2410               | -52.95                 | -1.31          | -54.26                  | -30             | -24.26         | peak          |
| 4965.625           | -57.18                 | 8.48           | -48.7                   | -30             | -18.7          | peak          |
| 7726.875           | -57.63                 | 9.87           | -47.76                  | -30             | -17.76         | peak          |
|                    |                        |                |                         |                 |                |               |
|                    |                        |                |                         |                 |                |               |

**Remark:**

1. The emission behaviour belongs to narrowband spurious emission.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.



## 8. Spurious emissions – RECEIVER (30-1000MHz)

### 8.1 Applied procedures / limit

| Clause | Test Item          | Frequency(MHz) | Limit  |
|--------|--------------------|----------------|--------|
| 4.3.5  | Spurious emissions | 30-1000        | -57dBm |
|        | (radiated)         | 1000-12750     | -47dBm |

#### 8.1.1 Measuring Instruments and Setting

Please refer to section 8.1.1 in this report. The following table is the setting of the Spectrum Analyzer.

| Spectrum Analyzer | Setting          |
|-------------------|------------------|
| Attenuation       | Auto             |
| Start Frequency   | 30 MHz           |
| Stop Frequency    | 1000 MHz         |
| Detector          | Positive Peak    |
| Span              | 100 MHz          |
| Sweep Time        | 1s               |
| RB / VB           | 100 kHz / 30 kHz |

#### 8.1.2 Test Procedures

- The EUT was placed on the top of the turntable in open test site area.
- The test shall be made in the receiving mode. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- For 30~1000MHz spurious emissions measurement, the broad band bi-log receiving antenna was placed 3 meters far away from the turntable. .
- The broadband receiving antenna was fixed on the same height with the EUT to find each suspected emissions of both horizontal and vertical polarization. Each recorded suspected value is indicated as Read Level (Raw).
- Replace the EUT by standard antenna and feed the RF port by signal generator.
- Adjust the frequency of the signal generator to the suspected emission and slightly rotate the turntable to locate the position with maximum reading.
- Adjust the power level of the signal generator to reach the same reading with Read Level (Raw).
- The level of the spurious emission is the power level of (7) plus the gain of the standard antenna in dBi and minus the loss of the cable used between the signal generator and the standard antenna.
- The measurement shall be repeated at the lowest and the highest channel of the stated frequency range.

#### 8.1.3 Test Setup Layout

This test setup layout is the same as that shown in section 6.1.4

#### 8.1.4 EUT Operation during Test

The EUT was programmed to be in continuously receiving mode.

### 8.1.5 TEST RESULTS (30MHz-1000MHz)

|              |                      |                    |          |
|--------------|----------------------|--------------------|----------|
| EUT:         | Remote Control Plane | Model Name :       | CX201    |
| Temperature: | 26°C                 | Relative Humidity: | 53 %     |
| Pressure:    | 1012 hPa             | Test Voltage :     | N/A      |
| Test Mode :  | RX                   | Polarization :     | Vertical |
| Test Power : | DC 5V                |                    |          |

| Frequency<br>(MHz) | Ant<br>H / V | EUT Axis<br>(X/Y/Z) | TX/RX | Measure<br>d(FS)<br>(dBm) | Limits<br>(dBm) | Margins | Note |
|--------------------|--------------|---------------------|-------|---------------------------|-----------------|---------|------|
| 43.2100            | V            | X                   | RX    | -62.33                    | -57.00          | -5.33   |      |
| 99.5600            | V            | X                   | RX    | -65.27                    | -57.00          | -8.27   |      |
| 124.5800           | V            | X                   | RX    | -68.44                    | -57.00          | -11.44  |      |
| 187.5600           | V            | X                   | RX    | -69.19                    | -57.00          | -12.19  |      |
| 265.3200           | V            | X                   | RX    | -63.04                    | -57.00          | -6.04   |      |
| 488.0200           | V            | X                   | RX    | -60.72                    | -57.00          | -3.72   |      |



| Frequency<br>(MHz) | Ant<br>H / V | EUT Axis<br>(X/Y/Z) | TX/RX | Measure<br>d(FS)<br>(dBm) | Limits<br>(dBm) | Margins | Note |
|--------------------|--------------|---------------------|-------|---------------------------|-----------------|---------|------|
| 43.2100            | H            | X                   | RX    | -63.56                    | -57.00          | -6.56   |      |
| 78.9500            | H            | X                   | RX    | -68.43                    | -57.00          | -11.43  |      |
| 99.7900            | H            | X                   | RX    | -61.28                    | -57.00          | -4.28   |      |
| 124.5600           | H            | X                   | RX    | -63.74                    | -57.00          | -6.74   |      |
| 412.7800           | H            | X                   | RX    | -60.48                    | -57.00          | -3.48   |      |
| 666.3300           | H            | X                   | RX    | -65.35                    | -57.00          | -8.35   |      |



Note:

- (1) EUT Orthogonal Axis:  
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand.
- (2) Data of measurement within this frequency range shown "\*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The EUT can't be operated in the standby mode and it's always keep continuously receiving.

|              |                        |                    |       |
|--------------|------------------------|--------------------|-------|
| EUT:         | Remote Control Plane   | Model Name :       | CX201 |
| Temperature: | 26°C                   | Relative Humidity: | 53 %  |
| Pressure:    | 1012 hPa               | Test Voltage :     | DC 5V |
| Test Mode :  | RX Mode 2472 MHz (11B) |                    |       |

| Frequency<br>(MHz) | Ant<br>H / V | EUT Axis<br>(X/Y/Z) | TX/RX | Measure<br>d(FS)<br>(dBm) | Limits<br>(dBm) | Margins | Note |
|--------------------|--------------|---------------------|-------|---------------------------|-----------------|---------|------|
| 43.2100            | V            | X                   | RX    | -62.36                    | -57.00          | -5.36   |      |
| 99.5600            | V            | X                   | RX    | -65.23                    | -57.00          | -8.23   |      |
| 187.5600           | V            | X                   | RX    | -65.46                    | -57.00          | -8.46   |      |
| 224.5800           | V            | X                   | RX    | -70.23                    | -57.00          | -13.23  |      |
| 265.3200           | V            | X                   | RX    | -63.05                    | -57.00          | -6.05   |      |
| 488.0200           | V            | X                   | RX    | -63.26                    | -57.00          | -6.26   |      |



| Frequency<br>(MHz) | Ant<br>H / V | EUT Axis<br>(X/Y/Z) | TX/RX | Measure<br>d(FS)<br>(dBm) | Limits<br>(dBm) | Margins | Note |
|--------------------|--------------|---------------------|-------|---------------------------|-----------------|---------|------|
| 43.8900            | H            | X                   | RX    | -65.13                    | -57.00          | -8.13   |      |
| 99.7800            | H            | X                   | RX    | -60.24                    | -57.00          | -3.24   |      |
| 124.5900           | H            | X                   | RX    | -70.65                    | -57.00          | -13.65  |      |
| 445.6900           | H            | X                   | RX    | -64.87                    | -57.00          | -7.87   |      |
| 666.3300           | H            | X                   | RX    | -62.32                    | -57.00          | -5.32   |      |
| 924.6000           | H            | X                   | RX    | -69.57                    | -57.00          | -12.57  |      |



Note:

- (1) EUT Orthogonal Axis:  
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand.
- (2) Data of measurement within this frequency range shown "\*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The EUT can't be operated in the standby mode and it's always keep continuously receiving.

## 9. Spurious emissions – RECEIVER (above 1000MHz)

### 9.1 Applied procedures / limit

| Clause | Test Item          | Frequency(MHz) | Limit  |
|--------|--------------------|----------------|--------|
| 4.3.5  | Spurious emissions | 30-1000        | -57dBm |
|        | (narrowband)       | 1000-12750     | -47dBm |

#### 9.1.1 Measuring Instruments and Setting

Please refer to section 9.1.1 in this report. The following table is the setting of the Spectrum Analyzer.

| Spectrum Analyzer | Setting          |
|-------------------|------------------|
| Attenuation       | Auto             |
| Start Frequency   | 1000 MHz         |
| Stop Frequency    | 12750 MHz        |
| Detector          | Positive Peak    |
| Span              | 100 MHz          |
| Sweep Time        | 1s               |
| RB / VB           | 100 kHz / 30 kHz |

#### 9.1.2 Test Procedures

- The EUT was placed on the top of the turntable in open test site area.
- The test shall be made in the receiving mode. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- For 30~1000MHz spurious emissions measurement, the broad band bi-log receiving antenna was placed 3 meters far away from the turntable. .
- The broadband receiving antenna was fixed on the same height with the EUT to find each suspected emissions of both horizontal and vertical polarization. Each recorded suspected value is indicated as Read Level (Raw).
- Replace the EUT by standard antenna and feed the RF port by signal generator.
- Adjust the frequency of the signal generator to the suspected emission and slightly rotate the turntable to locate the position with maximum reading.
- Adjust the power level of the signal generator to reach the same reading with Read Level (Raw).
- The level of the spurious emission is the power level of (7) plus the gain of the standard antenna in dBi and minus the loss of the cable used between the signal generator and the standard antenna.
- The measurement shall be repeated at the lowest and the highest channel of the stated frequency range.

#### 9.1.3 Test Setup Layout

This test setup layout is the same as that shown in section 7.1.3

#### 9.1.4 EUT Operation during Test

The EUT was programmed to be in continuously receiving mode.

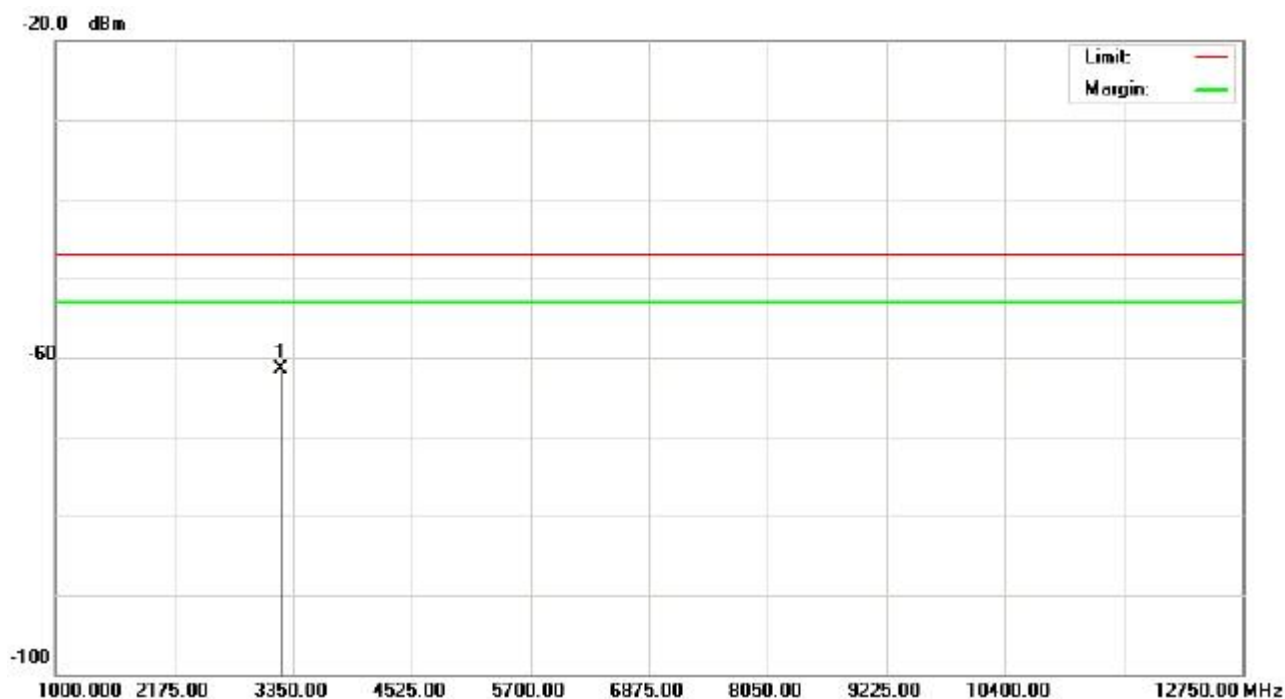
### 9.1.5 TEST RESULTS (Above 1000MHz)

|              |                        |                    |       |
|--------------|------------------------|--------------------|-------|
| EUT:         | Remote Control Plane   | Model Name :       | CX201 |
| Temperature: | 26°C                   | Relative Humidity: | 53 %  |
| Pressure:    | 1012 hPa               | Test Voltage :     | DC 5V |
| Test Mode :  | RX Mode 2412 MHz (11B) |                    |       |

| Frequency | Ant   | EUT Axis | TX/RX | Measure<br>d(FS) | Limits | Margins | Note |
|-----------|-------|----------|-------|------------------|--------|---------|------|
| (MHz)     | H / V | (X/Y/Z)  |       | (dBm)            | (dBm)  |         |      |
| 3216.600  | V     | X        | RX    | -65.25           | -47.00 | -18.25  |      |



| Frequency<br>(MHz) | Ant<br>H / V | EUT Axis<br>(X/Y/Z) | TX/RX | Measure<br>d(FS)<br>(dBm) | Limits<br>(dBm) | Margins | Note |
|--------------------|--------------|---------------------|-------|---------------------------|-----------------|---------|------|
| 3216.020           | H            | X                   | RX    | -61.75                    | -47.00          | -14.75  |      |



Note:

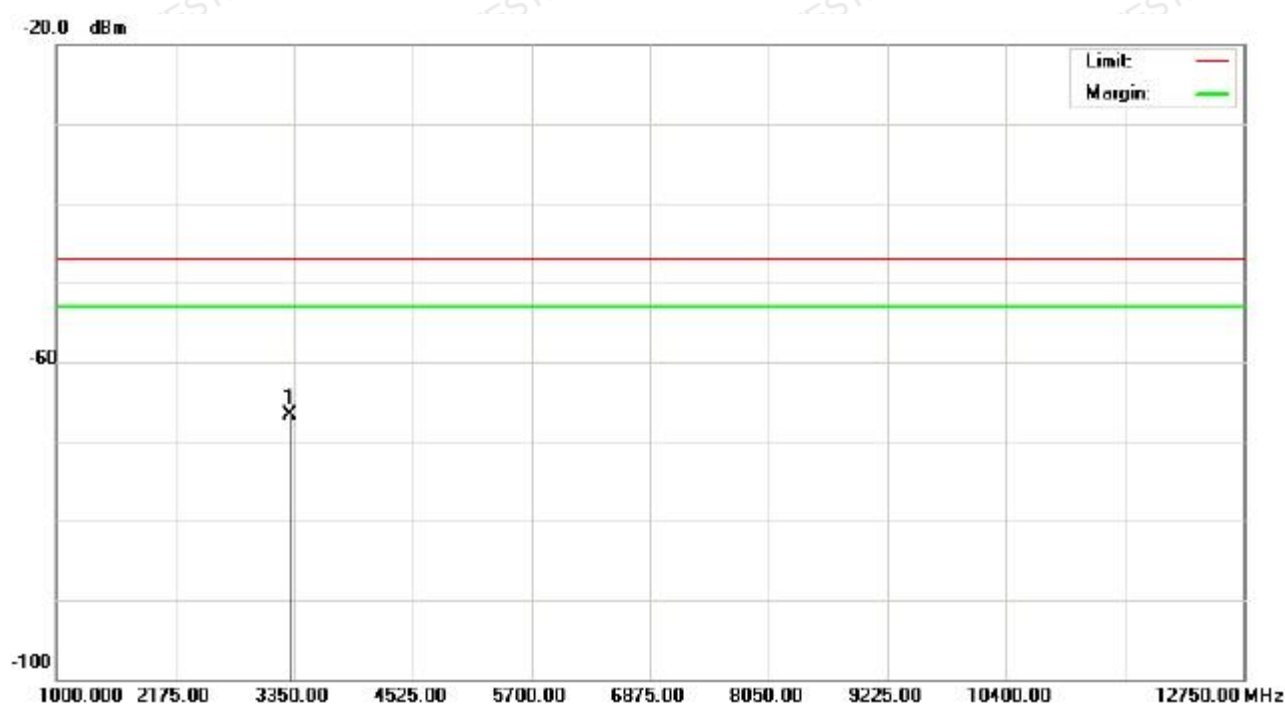
- (1) EUT Orthogonal Axis:  
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand.
- (2) Data of measurement within this frequency range shown "X" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The EUT can't be operated in the standby mode and it's always keep continuously receiving.

|              |                        |                    |       |
|--------------|------------------------|--------------------|-------|
| EUT:         | Remote Control Plane   | Model Name :       | CX201 |
| Temperature: | 26°C                   | Relative Humidity: | 53 %  |
| Pressure:    | 1012 hPa               | Test Voltage :     | DC 5V |
| Test Mode :  | RX Mode 2472 MHz (11B) |                    |       |

| Frequency<br>(MHz) | Ant<br>H / V | EUT Axis<br>(X/Y/Z) | TX/RX | Measure<br>d(FS)<br>(dBm) | Limits<br>(dBm) | Margins | Note |
|--------------------|--------------|---------------------|-------|---------------------------|-----------------|---------|------|
| 3296.400           | V            | X                   | RX    | -67.86                    | -47.00          | -20.86  |      |



| Frequency | Ant   | EUT Axis | TX/RX | Measure<br>d(FS) | Limits | Margins | Note |
|-----------|-------|----------|-------|------------------|--------|---------|------|
| (MHz)     | H / V | (X/Y/Z)  |       | (dBm)            | (dBm)  |         |      |
| 3296.800  | H     | X        | RX    | -66.54           | -47.00 | -19.54  |      |



Note:

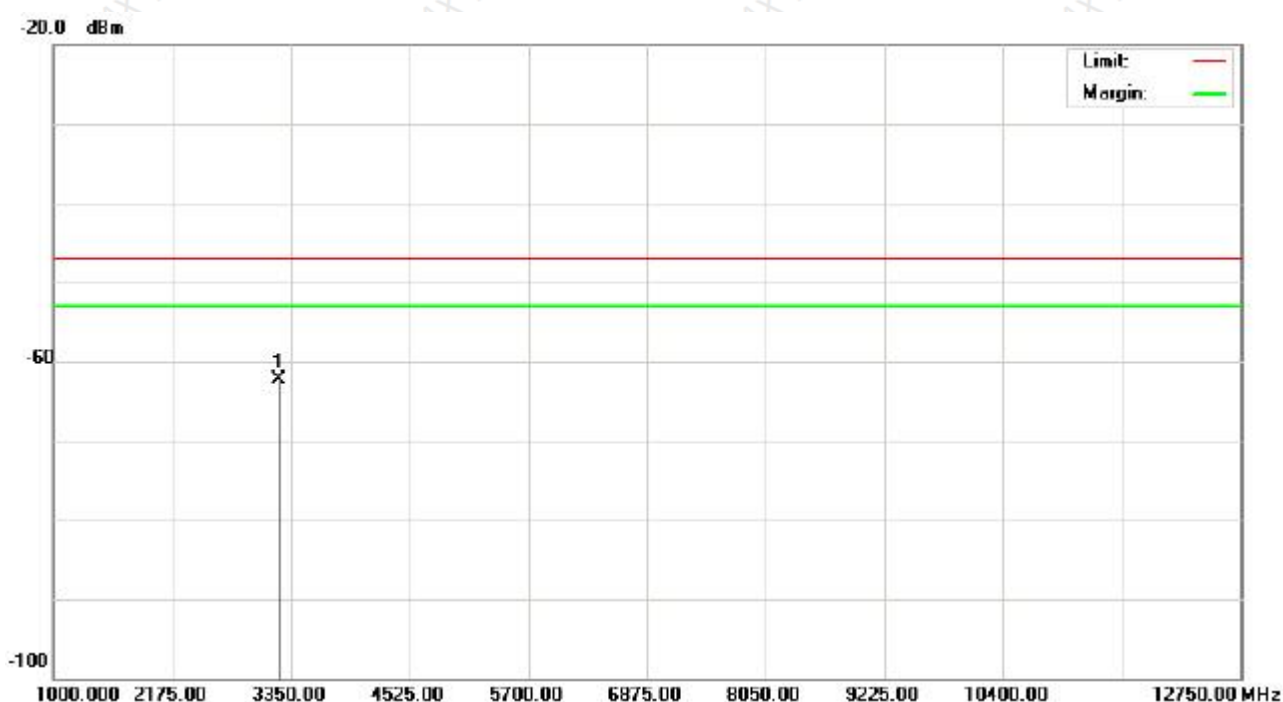
- (1) EUT Orthogonal Axis:  
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand.
- (2) Data of measurement within this frequency range shown "\*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The EUT can't be operated in the standby mode and it's always keep continuously receiving.

|              |                        |                    |       |
|--------------|------------------------|--------------------|-------|
| EUT:         | Remote Control Plane   | Model Name :       | CX201 |
| Temperature: | 26°C                   | Relative Humidity: | 53 %  |
| Pressure:    | 1012 hPa               | Test Voltage :     | DC 5V |
| Test Mode :  | RX Mode 2412 MHz (11G) |                    |       |

| Frequency<br>(MHz) | Ant<br>H / V | EUT Axis<br>(X/Y/Z) | TX/RX | Measure<br>d(FS)<br>(dBm) | Limits<br>(dBm) | Margins | Note |
|--------------------|--------------|---------------------|-------|---------------------------|-----------------|---------|------|
| 3215.998           | V            | X                   | RX    | -65.86                    | -47.00          | -18.86  |      |



| Frequency<br>(MHz) | Ant<br>H / V | EUT Axis<br>(X/Y/Z) | TX/RX | Measure<br>d(FS)<br>(dBm) | Limits<br>(dBm) | Margins | Note |
|--------------------|--------------|---------------------|-------|---------------------------|-----------------|---------|------|
| 3215.998           | H            | X                   | RX    | -62.97                    | -47.00          | -15.87  |      |



Note:

- (1) EUT Orthogonal Axis:  
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand.
- (2) Data of measurement within this frequency range shown "\*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The EUT can't be operated in the standby mode and it's always keep continuously receiving.

|              |                        |                    |       |
|--------------|------------------------|--------------------|-------|
| EUT:         | Remote Control Plane   | Model Name :       | CX201 |
| Temperature: | 26°C                   | Relative Humidity: | 53 %  |
| Pressure:    | 1012 hPa               | Test Voltage :     | DC 5V |
| Test Mode :  | RX Mode 2472 MHz (11G) |                    |       |

| Frequency<br>(MHz) | Ant<br>H / V | EUT Axis<br>(X/Y/Z) | TX/RX | Measure<br>d(FS)<br>(dBm) | Limits<br>(dBm) | Margins | Note |
|--------------------|--------------|---------------------|-------|---------------------------|-----------------|---------|------|
| 3229.324           | V            | X                   | RX    | -66.54                    | -47.00          | -19.54  |      |



| Frequency | Ant   | EUT Axis | TX/RX | Measure<br>d(FS) | Limits | Margins | Note |
|-----------|-------|----------|-------|------------------|--------|---------|------|
| (MHz)     | H / V | (X/Y/Z)  |       | (dBm)            | (dBm)  |         |      |
| 3229.324  | H     | X        | RX    | -61.34           | -47.00 | -14.34  |      |



Note:

- (1) EUT Orthogonal Axis:  
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand.
- (2) Data of measurement within this frequency range shown "\*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) The EUT can't be operated in the standby mode and it's always keep continuously receiving.

## Medium access protocol

### 9.2 Applied procedures / limit

A medium access protocol is a mechanism designed to facilitate spectrum sharing with other devices in a wireless network.

A medium access protocol shall be implemented by the equipment.

### 9.2.1 TEST RESULTS

The EUT is accord with medium access protocol.

## APPENDIX-PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS



Photo 1

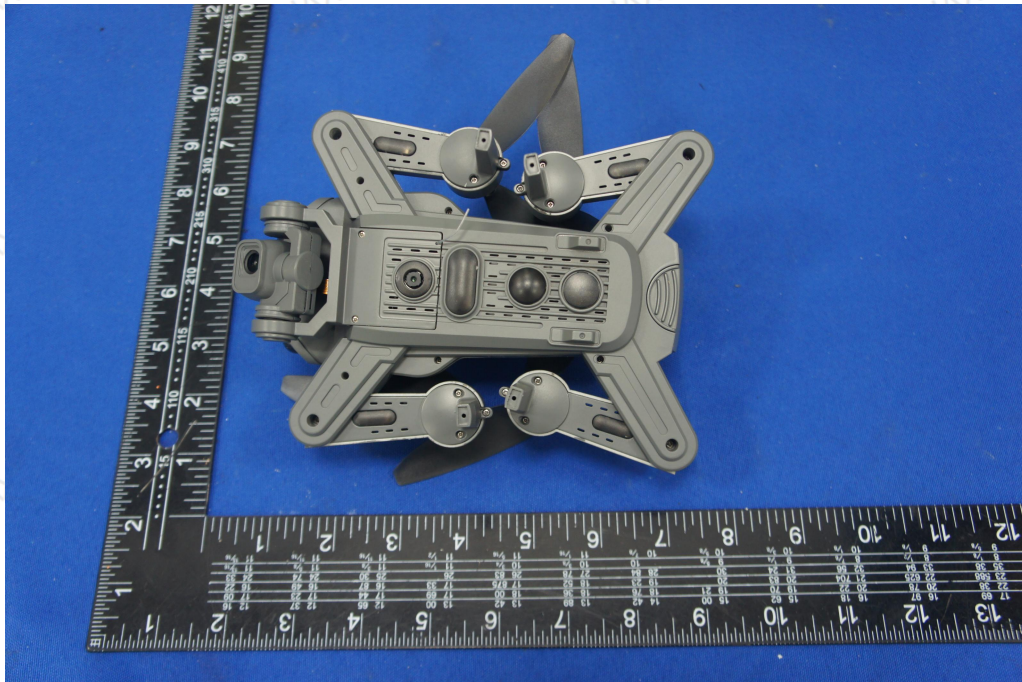


Photo 2

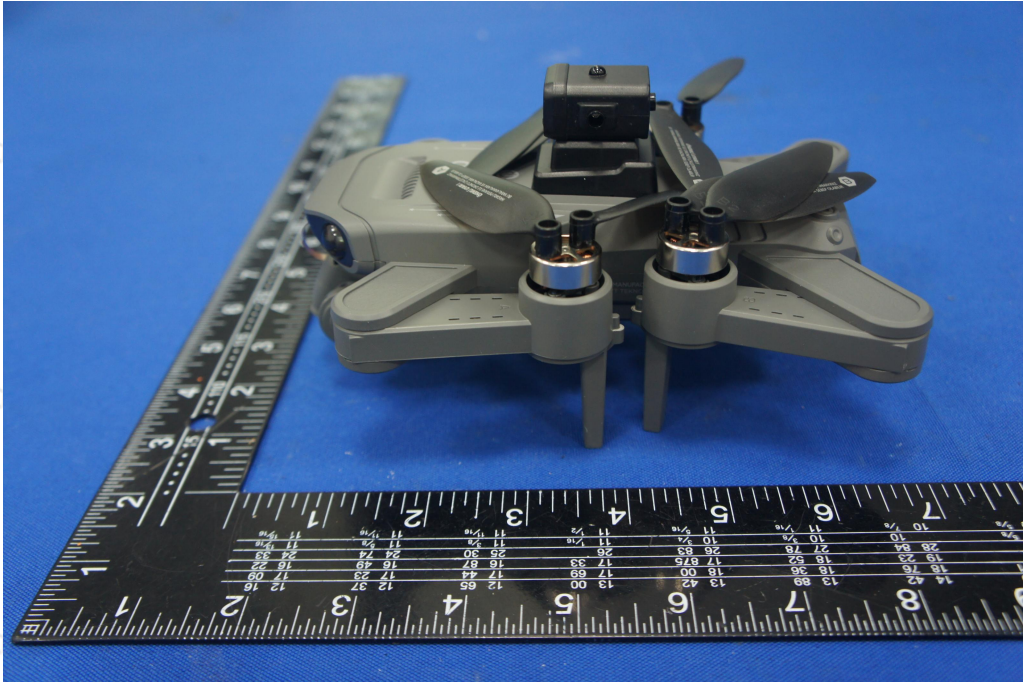


Photo 3



Photo 4

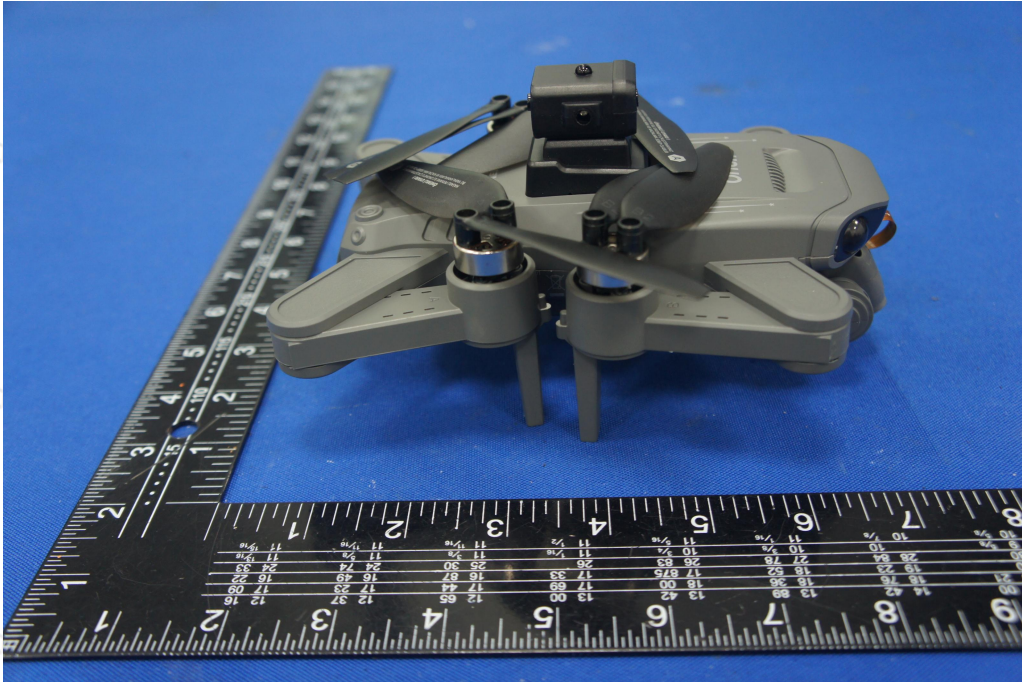


Photo 5



Photo 6



Photo 7

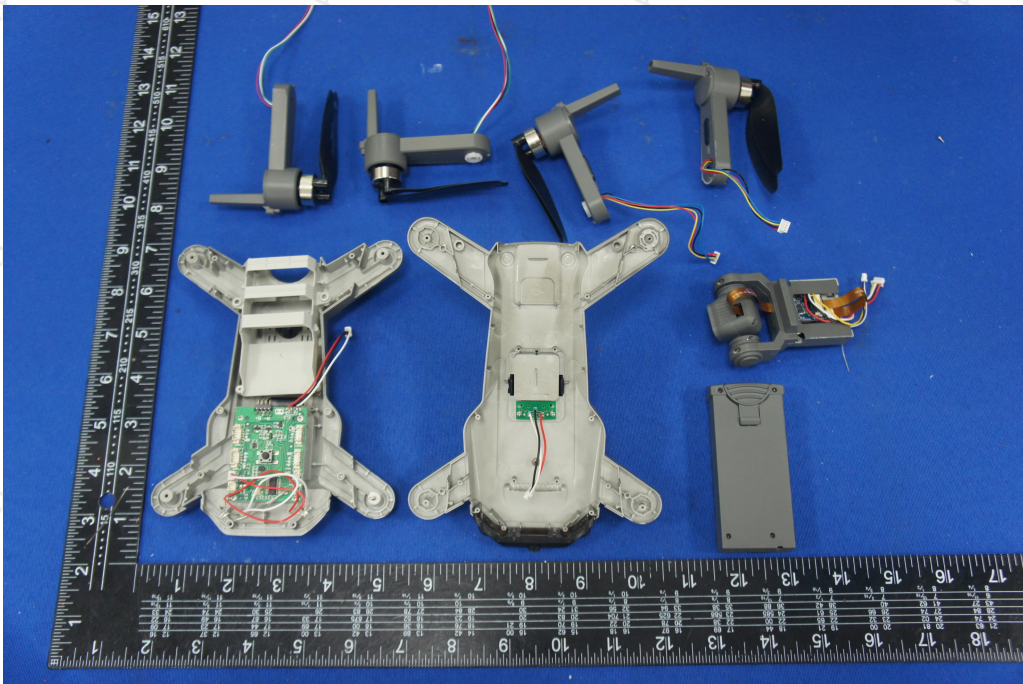


Photo 8

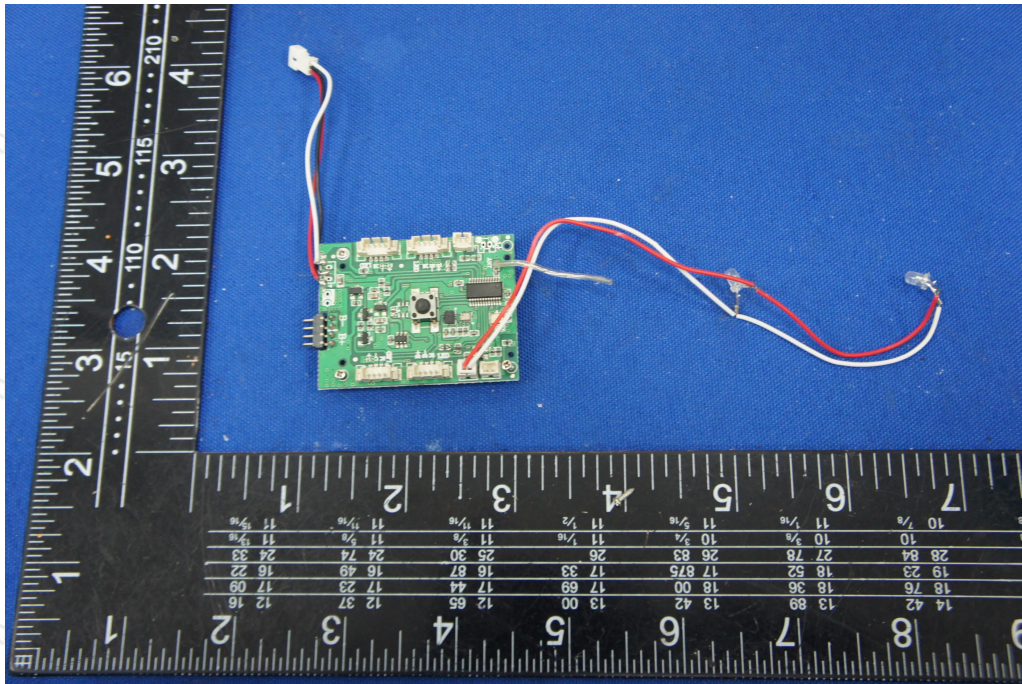


Photo 9

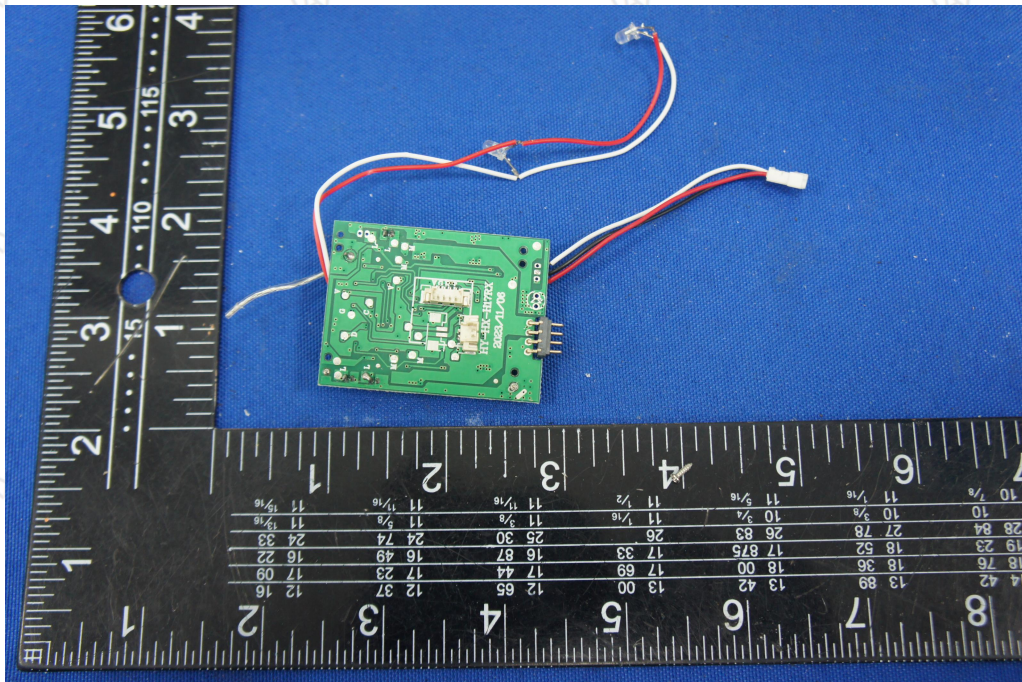


Photo 10

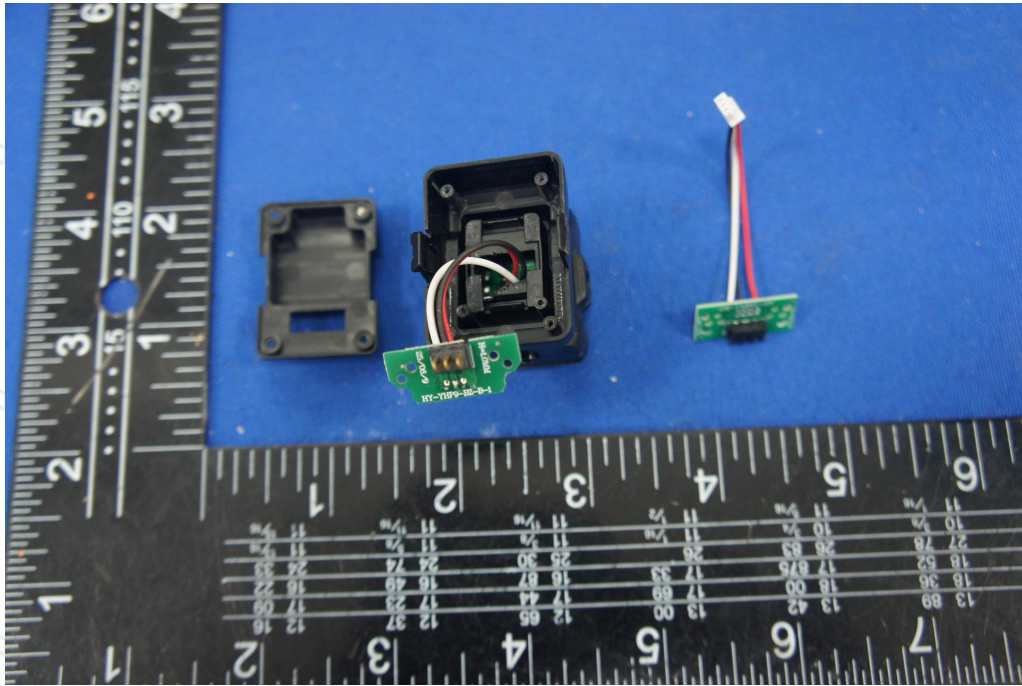


Photo 11

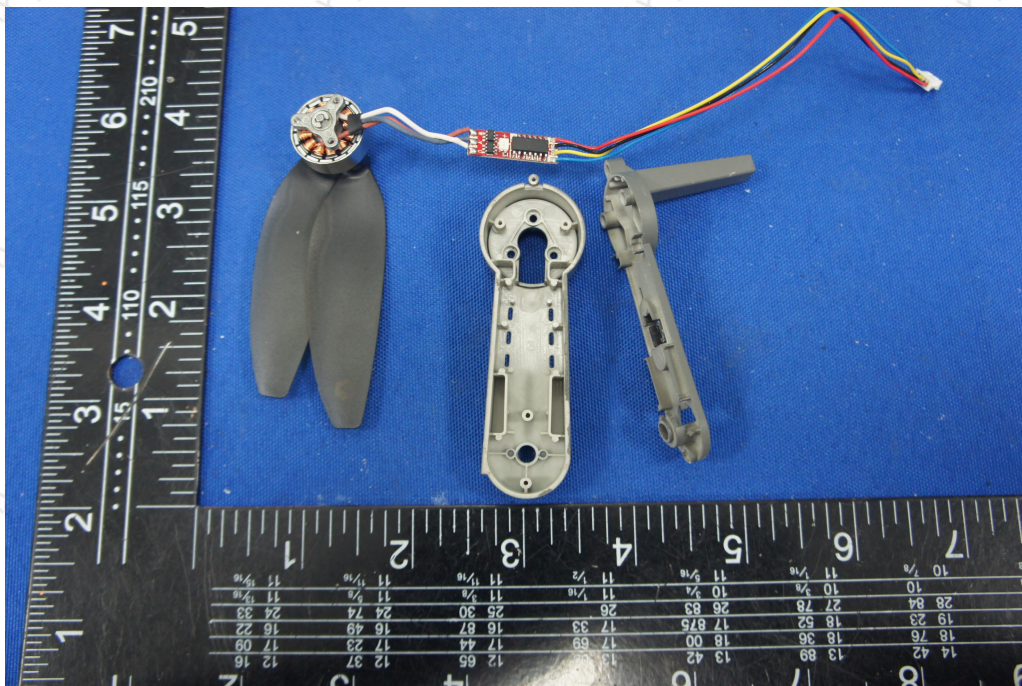


Photo 12

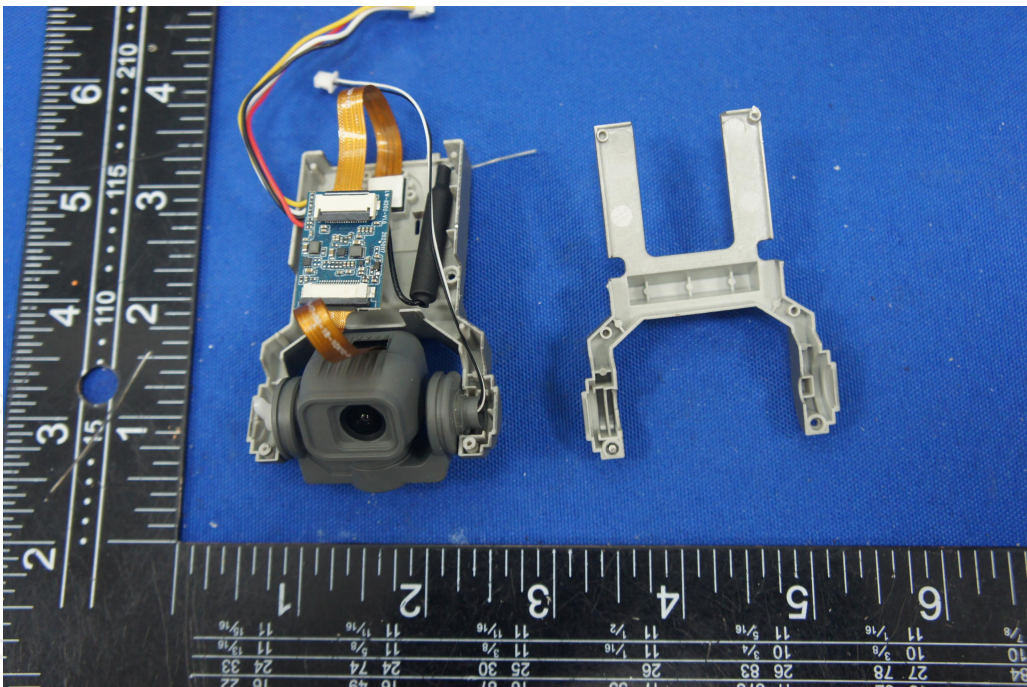


Photo 13

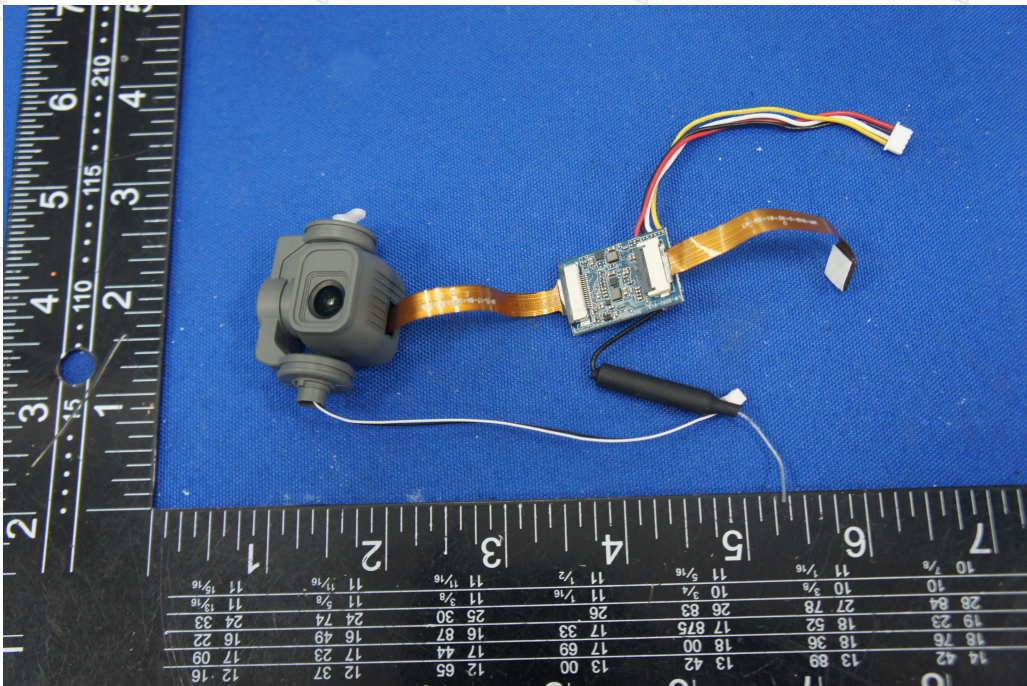


Photo 14

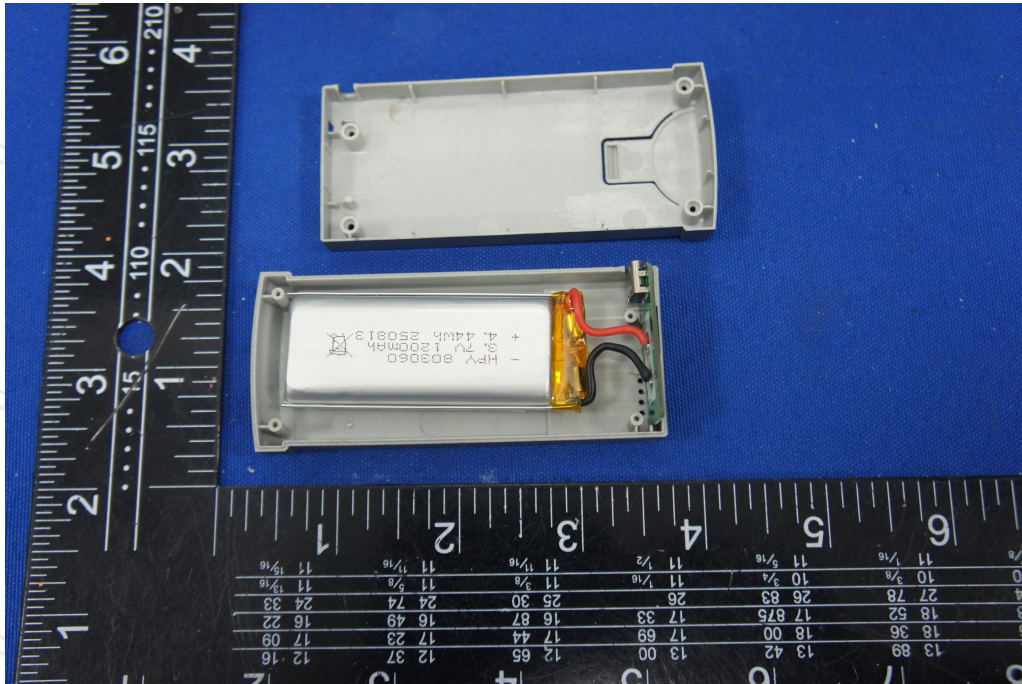


Photo 15

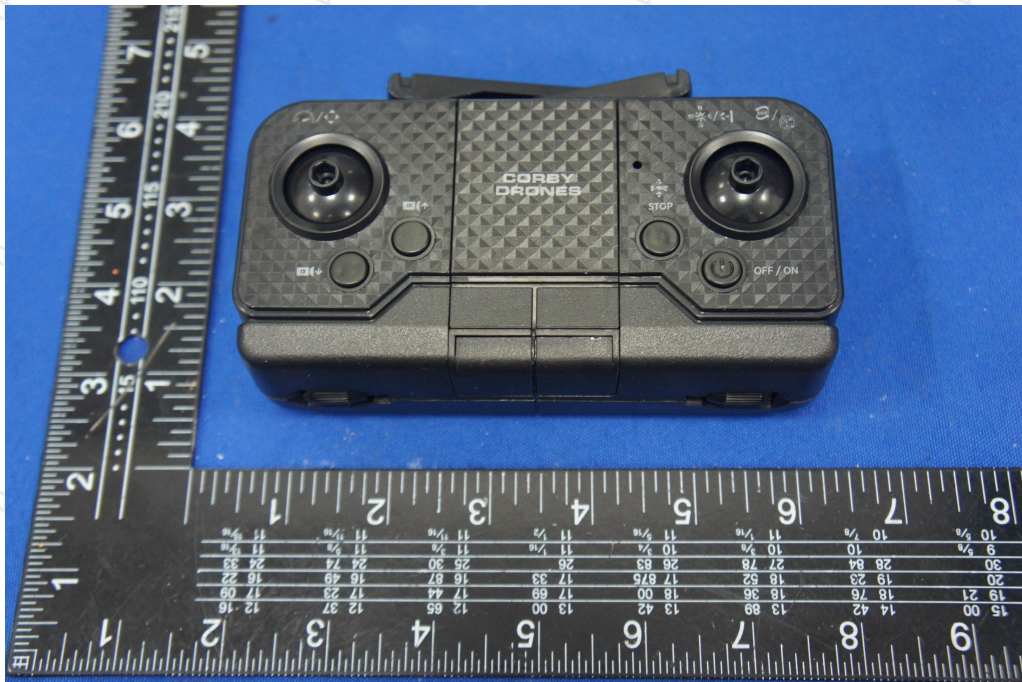


Photo 16



Photo 17

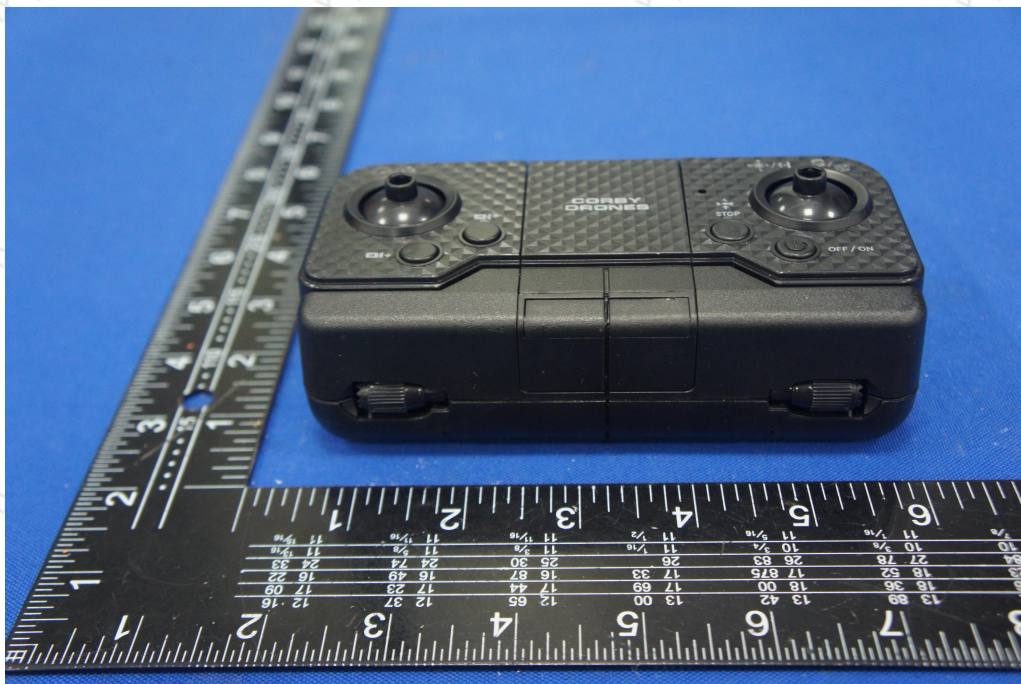


Photo 18



Photo 19



Photo 20

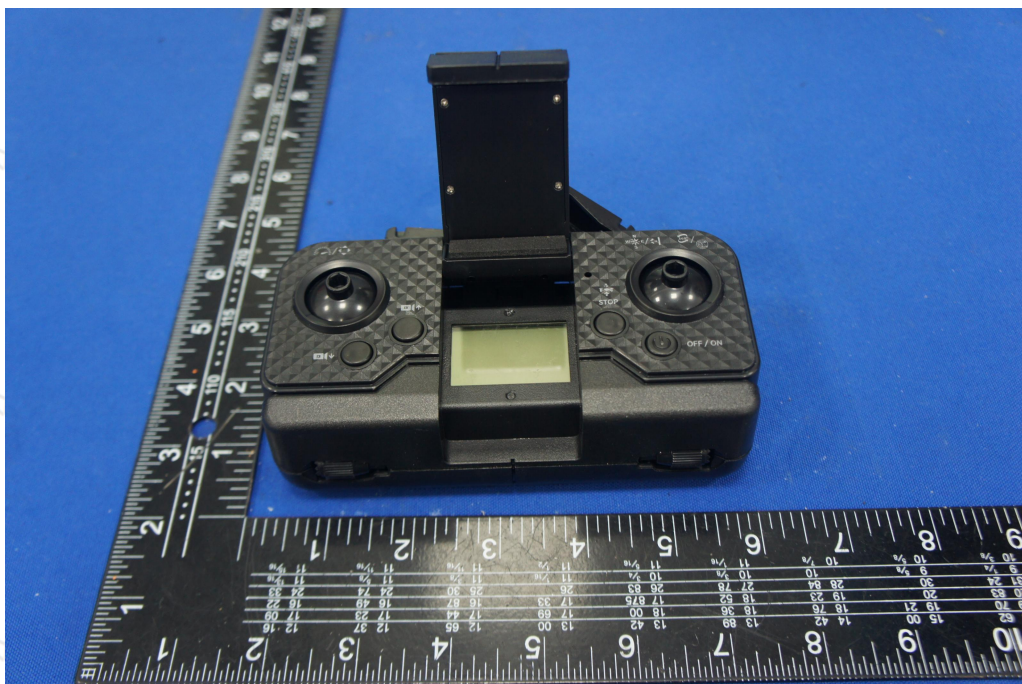


Photo 21



Photo 22

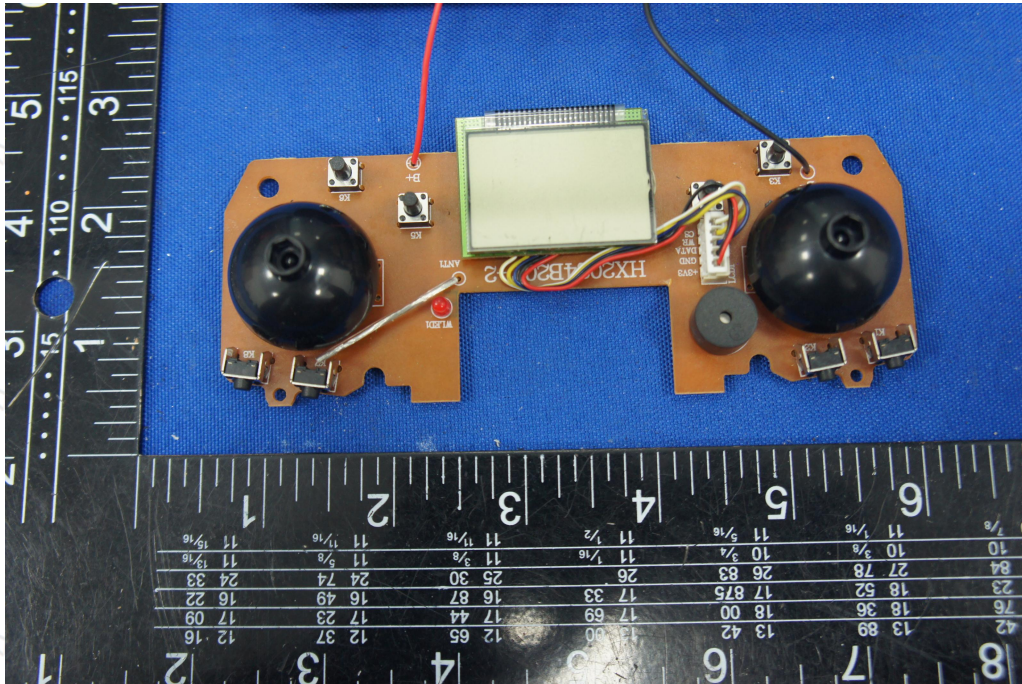


Photo 23

\*\*\*\*\*THE END\*\*\*\*\*