



TEST REPORT

Applicant: Xiamen Huoshiquan Import & Export CO., LTD

Address: Unit. 33, Room 806, NO. 2 Huming Road, Siming District, Xiamen, China

FCC ID: 2AJ55HOLYSTONECT

Product Name: Quadcopter

Model: HT02

Standard(s): 47 CFR Part 15, Subpart C(15.249) ANSI C63.10-2013

The above equipment has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: CR22020055-00A

Date Of Issue: 2022-03-24

Reviewed By: Sun Zhong

Sun 2hong

Title: Manager

Test Laboratory: China Certification ICT Co., Ltd (Dongguan) No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China Tel: +86-769-82016888

Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol " \blacktriangle ". Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

This report cannot be reproduced except in full, without prior written approval of the Company.

This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

This report may contain data that are not covered by the accreditation scope and shall be marked with an asterisk " \star ".

CONTENTS

| TEST FACILITY | 2 |
|---|--------|
| DECLARATIONS | 2 |
| 1. GENERAL INFORMATION | 4 |
| 1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT) | 4 |
| 1.2 DESCRIPTION OF TEST CONFIGURATION | 6 |
| 1.2.1 EUT Operation Condition: | |
| 1.2.2 Support Equipment List and Details1.2.3 Support Cable List and Details | 6 6 |
| 1.2.4 Block Diagram of Test Setup | 7 |
| 1.3 MEASUREMENT UNCERTAINTY | 8 |
| 2. SUMMARY OF TEST RESULTS | 9 |
| 3. REQUIREMENTS AND TEST PROCEDURES | 10 |
| 3.1 AC LINE CONDUCTED EMISSIONS | 10 |
| 3.1.1 Applicable Standard | |
| 3.1.2 EUT Setup3.1.3 EMI Test Receiver Setup | |
| 3.1.4 Test Procedure | |
| 3.1.5 Corrected Amplitude & Margin Calculation | 12 |
| 3.2 RADIATED EMISSIONS | |
| 3.2.1 Applicable Standard | |
| 3.2.2 EUT Setup3.2.3 EMI Test Receiver & Spectrum Analyzer Setup | |
| 3.2.4 Test Procedure | 14 |
| 3.2.5 Corrected Amplitude & Margin Calculation | |
| | |
| 3.3.1 Applicable Standard3.3.2 EUT Setup | |
| 3.3.3Test Procedure | 16 |
| 3.4 ANTENNA REQUIREMENT | |
| 3.4.1 Applicable Standard | |
| 3.4.2 Judgment | |
| 4. Test DATA AND RESULTS | |
| | |
| 4.2 RADIATION SPURIOUS EMISSIONS | |
| 4.3 20 dB Emission Bandwidth: | 25 |

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

| EUT Name: | Quadcopter |
|-----------------------------|--|
| EUT Model: | HT02 |
| Multiple Model: | HT02W,HT25W,HS340,HS260,D23W,HS320,HT30,HS610,HS176,HS290,HS380, HS390,HS400,HS460,HS480,HS490,HS500,HS520,HS530,HS540,HS560,HS570, HS580,HS590,HS610,HS620,HS630,HS640,HS660,HS670,HS680,HS690,HS730, HS740,HS750,HS760,HS770,HS780,HS790,HS800,HS810,HS820,HS830,HS840, HS850,HS860,HS870,HS880,HS890,HS900,HS910,HT300,HT40,HT15,HT35,HT45, HT05,HT10,D11,D33,D60,D70,D80,D35,D55,D20L,HS130,HS280,HT50,HT60,HT65, HT70,HT75,HT90,D65,D75,D85 |
| Operation Frequency: | 2456-2480 MHz |
| Modulation Type: | GFSK |
| Rated Input Voltage: | DC 4.5V from battery |
| Serial Number: | CR22020055RF-S1 |
| EUT Received Date: | 2022.2.28 |
| EUT Received Status: | Good |

Operation Frequency Detail:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------------------------|--------------------------------|------------------------|--------------------|
| 0 | 2456 | 13 | 2469 |
| 1 | 2457 | 14 | 2470 |
| 2 | 2458 | 15 | 2471 |
| 3 | 2459 | 16 | 2472 |
| 4 | 2460 | 17 | 2473 |
| 5 | 2461 | 18 | 2474 |
| 6 | 2462 | 19 | 2475 |
| 7 | 2463 | 20 | 2476 |
| 8 | 2464 | 21 | 2477 |
| 9 | 2465 | 22 | 2478 |
| 10 | 2466 | 23 | 2479 |
| 11 | 2467 | 24 | 2480 |
| 12 | 2468 | / | / |
| Per section 15.31(m), the | below frequencies were perform | med the test as below: | |
| Test Channel | | | equency MHz) |
| Lowest | | | 2456 |
| Middle | | | 2468 |
| Н | lighest | | 2480 |

Antenna Information Detail **A** :

| Antenna Manufacturer | Antenna Type | input impedance (Ohm) | Antenna Gain /Frequency Range | §15.203 Requirement | |
|--|-----------------|--------------------------|----------------------------------|------------------------|--|
| Xiamen Huoshiquan Import & Export CO., | Wire | 50 | 0 dBi/2.4~2.5GHz | Compliance | |
| LTD | wite | 50 | 0 dDl/2.+ 2.90112 | Compliance | |
| The Method of §15.203 Compliance: | | | | | |
| Antenna must be permanently attached to the unit. | | | | | |
| Antenna must use a unique type of connector to attach to the EUT. | | | | | |
| Unit must be professionally installed, and installer shall be responsible for verifying that the | | | | | |
| correct antenna is employed with the unit. | | | | | |

Accessory Information:

No.

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

| EUT Operation Mode: | The system was configured for testing in Engineering Mode, which was provided by the manufacturer. | |
|---|--|--|
| Equipment Modifications: | No | |
| EUT Exercise Software: | No | |
| Engineering Mode was provided by manufacturer A . The maximum power was configured default | | |

setting. The channel switched by keys

1.2.2 Support Equipment List and Details

| Manufacturer | Description | Model | Serial Number |
|--------------|-------------|-------|---------------|
| / | / | / | / |

1.2.3 Support Cable List and Details

| 1.2.3 Support Cable I | | 18 | Length | | |
|-----------------------|-------------------|--------------|--------|-----------|----|
| Cable Description | Shielding Type | Ferrite Core | (m) | From Port | То |
| / | / | / | / | / | / |

Report No.: CR22020055-00A

1.2.4 Block Diagram of Test Setup

Radiated Emissions: Below 1GHz:

| Non-Conductive Table 80 | EUT | 1.0 Meter |
|-------------------------|-----|-----------|
| cm above Ground Plane | | |

Above 1GHz:

| | EUT | |
|---------------------------|---|-------|
| | Non-Conductive Table 150 cm above Ground Plane | Meter |
| Non-Conduc cm above Gr | | |

1.3 Measurement Uncertainty

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

| Parameter | Measurement Uncertainty | |
|--------------------------------------|--|--|
| Occupied Channel Bandwidth | ±5 % | |
| Unwanted Emissions, radiated | 30M~200MHz: 4.15 dB,200M~1GHz: 5.61 dB,1G~6GHz: 5.14 dE 6G~18GHz: 5.93 dB,18G~26.5G:5.47 dB,26.5G~40G:5.63 dB | |
| Temperature | ± 1 °C | |
| Humidity | $\pm 5\%$ | |
| DC and low frequency voltages | $\pm 0.4\%$ | |
| Duty Cycle | 1% | |
| AC Power Lines Conducted Emission | 2.8 dB (150 kHz to 30 MHz) | |

2. SUMMARY OF TEST RESULTS

| Standard(s)/Rule(s) | Description of Test | Result |
|--------------------------|-------------------------------------|------------|
| §15.203 | Antenna Requirement | Compliance |
| §15.207(a) | Conduction Emissions Not applicable | |
| 15.205, §15.209, §15.249 | Radiated Emissions | Compliance |
| §15.215 (c) | 20 dB Bandwidth | Compliance |

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 Applicable Standard

FCC§15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

| | Conducted limit (dBµV) | |
|-----------------------------|------------------------|-----------|
| Frequency of emission (MHz) | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56* | 56 to 46* |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

*Decreases with the logarithm of the frequency.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

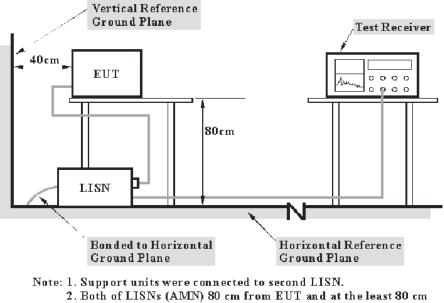
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μV within the frequency band 535-1705 kHz, as measured using a 50 $\mu H/50$ ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtaining their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

3.1.2 EUT Setup



from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

The adapter or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

3.1.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

| Frequency Range | IF B/W | | |
|--------------------|--------|--|--|
| 150 kHz - 30 MHz | 9 kHz | | |

3.1.4 Test Procedure

During the conducted emission test, the EUT was connected to the outlet of the first LISN.

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase ("hot") line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the reported over all the current-carrying conductor identified with the

3.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor Factor = attenuation caused by cable loss + voltage division factor of AMN

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

3.2 Radiated Emissions

3.2.1 Applicable Standard

As per FCC§15.249 (a), except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

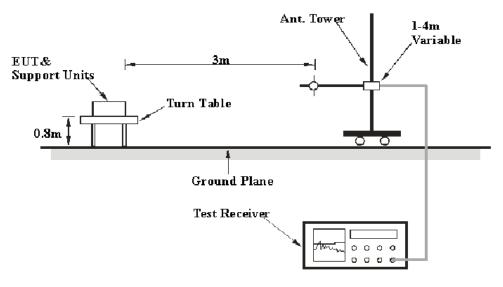
| Fundamental frequency | Field strength of fundamental (millivolts/meter) | Field strength of harmonics (microvolts/meter) |
|--------------------------|---|---|
| 902–928 MHz | 50 | 500 |
| 2400–2483.5 MHz | 50 | 500 |
| 5725–5875 MHz | 50 | 500 |
| 24.0–24.25 GHz | 250 | 2500 |

As per FCC§15.249 (c), Field strength limits are specified at a distance of 3 meters.

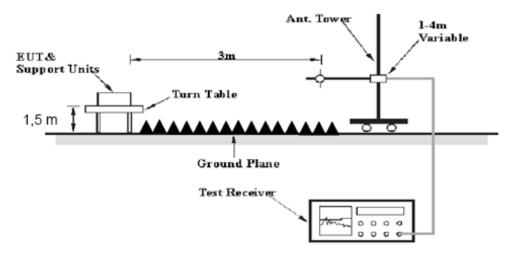
(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

3.2.2 EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emissions were performed in the 3 meters distance, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.249 limits.

3.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

| Frequency Range | RBW | Video B/W | IF B/W | Measurement |
|-------------------|---------|-----------|---------|-------------|
| 30 MHz – 1000 MHz | 120 kHz | 300 kHz | 120 kHz | QP |
| Above 1 CUIT | 1MHz | 3 MHz | / | РК |
| Above 1 GHz | 1MHz | 10 Hz | / | AV |

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

3.2.4 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz - 1 GHz, peak and average detection modes for frequencies above 1 GHz.

3.2.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor Factor = Antenna Factor + Cable Loss- Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

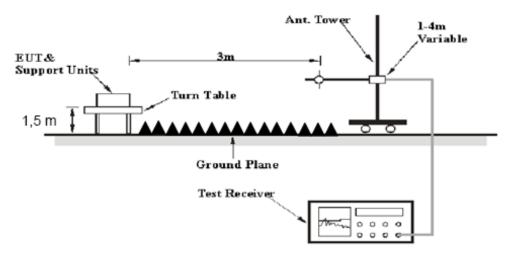
3.3 20 dB Emission Bandwidth:

3.3.1 Applicable Standard

FCC §15.215

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

3.3.2 EUT Setup



3.3.3Test Procedure

- 1. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
- 2. Repeat above procedures until all frequencies measured were complete.

3.4 Antenna Requirement

3.4.1 Applicable Standard

FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

3.4.2 Judgment

Please refer to the Antenna Information detail in Section 1.

4. Test DATA AND RESULTS

4.1 AC Line Conducted Emissions

Not Applicable. The device was powered by battery.

4.2 Radiation Spurious Emissions

| Serial Number: | CR22020055-RF-S1 | Test Date: | 2022-03-14~2022-03-17 |
|-------------------|-------------------------|--------------|-----------------------|
| Test Site: | 966-1,966-2 | Test Mode: | Transmitting |
| Tester: | , Great Qiao, Tommy Luo | Test Result: | Pass |

| Environmental Conditions: | | | | | | | |
|---------------------------|---------|------------------------------|-------|------------------------|-------------|--|--|
| Temperature: (℃) | 21.3~22 | Relative Humidity: (%) | 52~62 | ATM Pressure: (kPa) | 100.4~100.6 | | |

| Test Equipment List and Details: | | | | | | | | |
|----------------------------------|--------------------------|---------------------------|------------------|---------------------|-------------------------|--|--|--|
| Manufacturer | Manufacturer Description | | Serial Number | Calibration Date | Calibration Due Date | | | |
| Sunol Sciences | Antenna | JB6 | A082520-5 | 2020-10-19 | 2023-10-18 | | | |
| R&S | EMI Test Receiver | ESR3 | 102724 | 2021-07-22 | 2022-07-21 | | | |
| TIMES MICROWAVE | Coaxial Cable | LMR-600- UltraFlex | C-0470-02 | 2021-07-18 | 2022-07-17 | | | |
| TIMES MICROWAVE | Coaxial Cable | LMR-600- UltraFlex | C-0780-01 | 2021-07-18 | 2022-07-17 | | | |
| Sonoma | Amplifier | 310N | 186165 | 2021-07-18 | 2022-07-17 | | | |
| Audix | Test Software | E3 | 201021 (V9) | N/A | N/A | | | |
| ETS-Lindgren | Horn Antenna | 3115 | 9912-5985 | 2020-10-13 | 2023-10-12 | | | |
| R&S | Spectrum Analyzer | FSV40 | 101591 | 2021-07-22 | 2022-07-21 | | | |
| MICRO-COAX | Coaxial Cable | UFA210A-1- 1200-70U300 | 217423-008 | 2021-08-08 | 2022-08-07 | | | |
| MICRO-COAX | Coaxial Cable | UFA210A-1- 2362-300300 | 235780-001 | 2021-08-08 | 2022-08-07 | | | |
| Mini | Pre-amplifier | ZVA-183-S+ | 5969001149 | 2021-11-10 | 2022-11-09 | | | |
| PASTERNACK | Horn Antenna | PE9852/2F-20 | 112002 | 2021-02-05 | 2024-02-04 | | | |
| AH | Preamplifier | PAM-1840VH | 190 | 2021-11-19 | 2022-11-18 | | | |
| MICRO-COAX | Coaxial Cable | UFB142A-1- 2362-200200 | 235772-001 | 2021-08-08 | 2022-08-07 | | | |
| E-Microwave | Band Rejection Filter | 2400-2483.5MHz | OE01902424 | 2021-08-08 | 2022-08-07 | | | |

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

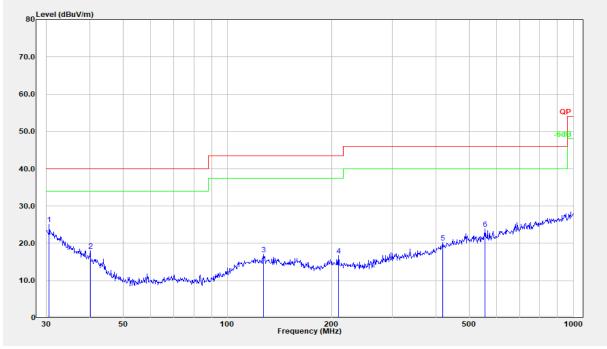
Test Data:

Please refer to the below table and plots.

Note: The device can be mounted in multiple orientations, test was performed with X,Y, Z Axis according to C63.10 Figure 8, the worst orientation was photographed and it's data was recorded.

Test Data:

1) 30MHz-1GHz(high channel was the worst): Horizontal:

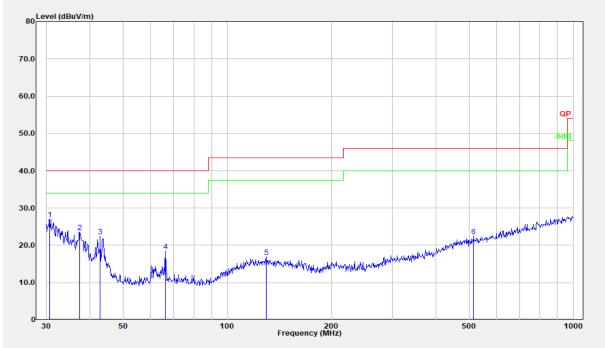


| No. | Frequency | Reading | Factor | Result | Limit | Margin | Detector |
|-----|-----------|---------|--------|----------|----------|--------|----------|
| | (MHz) | (dBµV) | (dB/m) | (dBµV/m) | (dBµV/m) | (dB) | |
| 1 | 30.531 | 29.30 | -4.20 | 25.10 | 40.00 | 14.90 | Peak |
| 2 | 40.135 | 29.60 | -11.60 | 18.00 | 40.00 | 22.00 | Peak |
| 3 | 127.218 | 28.60 | -11.60 | 17.00 | 43.50 | 26.50 | Peak |
| 4 | 209.313 | 29.38 | -12.59 | 16.79 | 43.50 | 26.71 | Peak |
| 5 | 419.108 | 28.42 | -8.18 | 20.24 | 46.00 | 25.76 | Peak |
| 6 | 556.774 | 29.74 | -5.91 | 23.84 | 46.00 | 22.16 | Peak |

China Certification ICT Co., Ltd (Dongguan)

Report No.: CR22020055-00A

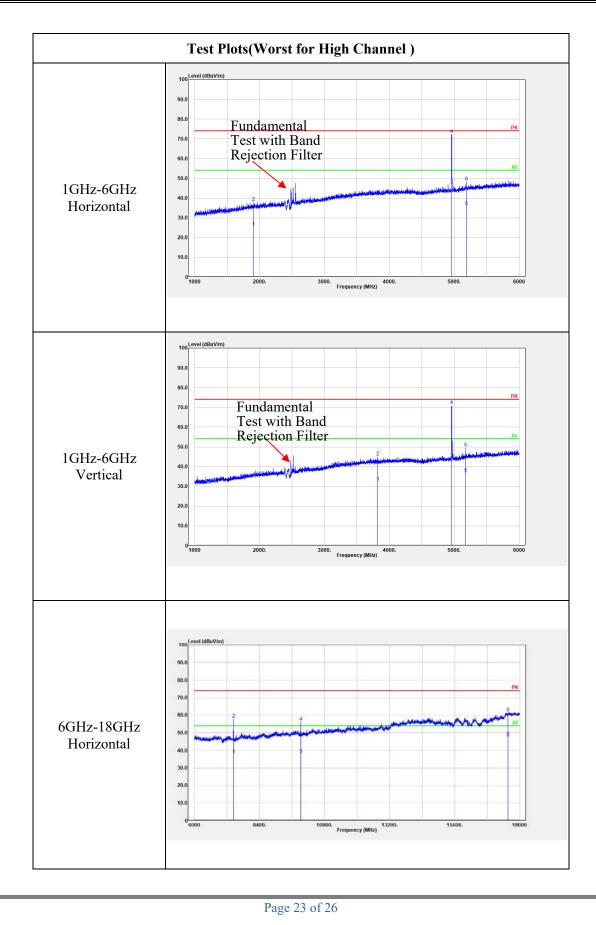
Vertical:



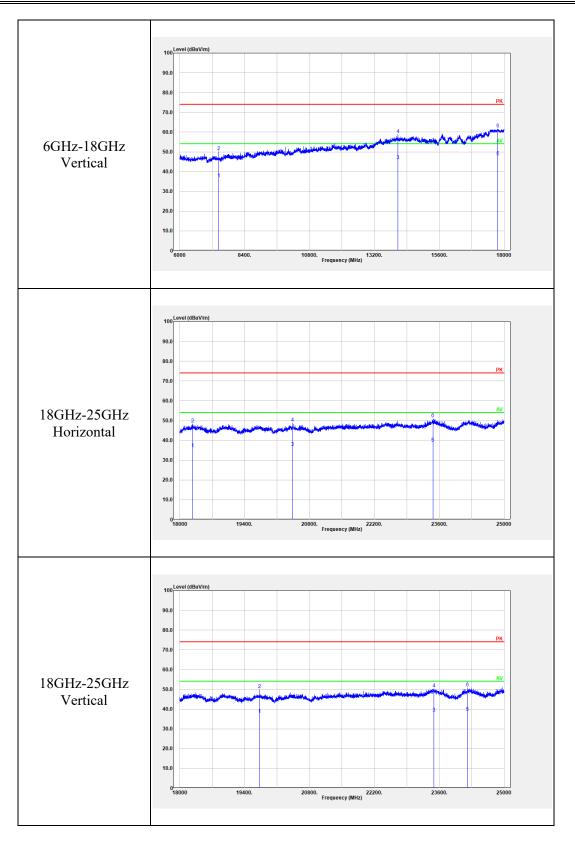
| No. | Frequency | Reading | Factor | Result | Limit | Margin | Detector |
|-----|-----------|---------|--------|----------|----------|--------|----------|
| | (MHz) | (dBµV) | (dB/m) | (dBµV/m) | (dBµV/m) | (dB) | |
| 1 | 30.638 | 31.28 | -4.28 | 26.99 | 40.00 | 13.01 | Peak |
| 2 | 37.416 | 33.03 | -9.49 | 23.54 | 40.00 | 16.46 | Peak |
| 3 | 42.900 | 35.77 | -13.24 | 22.53 | 40.00 | 17.47 | Peak |
| 4 | 66.266 | 35.51 | -17.07 | 18.44 | 40.00 | 21.56 | Peak |
| 5 | 129.468 | 28.46 | -11.54 | 16.91 | 43.50 | 26.59 | Peak |
| 6 | 515.437 | 28.59 | -6.07 | 22.52 | 46.00 | 23.48 | Peak |

2) 1GHz-25GHz:

| Frequency | Receiver | | Polar | Factor | Result | Limit | Margin |
|-----------|-------------------|----------|-----------|---------------|----------|----------|--------|
| (MHz) | Reading (dBµV) | Detector | (H/V) | (dB/m) | (dBµV/m) | (dBµV/m) | (dB) |
| | | | Low Char | nnel: 2456 MH | z | | |
| 2456.00 | 60.25 | PK | Н | 31.63 | 91.88 | 113.98 | 22.10 |
| 2456.00 | 33.69 | AV | Н | 31.63 | 65.32 | 93.98 | 28.66 |
| 2456.00 | 58.90 | PK | V | 31.63 | 90.53 | 113.98 | 23.45 |
| 2456.00 | 32.26 | AV | V | 31.63 | 63.89 | 93.98 | 30.09 |
| 2400.00 | 27.24 | PK | Н | 31.50 | 58.74 | 74.00 | 15.26 |
| 2400.00 | 13.91 | AV | Н | 31.50 | 45.41 | 54.00 | 8.59 |
| 4912.00 | 59.47 | РК | Н | 11.16 | 70.63 | 74.00 | 3.37 |
| 4912.00 | 32.23 | AV | Н | 11.16 | 43.39 | 54.00 | 10.61 |
| 7368.00 | 43.69 | PK | Н | 14.83 | 58.52 | 74.00 | 15.48 |
| 7368.00 | 22.14 | AV | Н | 14.83 | 36.97 | 54.00 | 17.03 |
| 9824.00 | 37.67 | PK | Н | 18.63 | 56.30 | 74.00 | 17.70 |
| 9824.00 | 19.32 | AV | Н | 18.63 | 37.95 | 54.00 | 16.05 |
| | | | Middle Ch | annel: 2468 M | Hz | | |
| 2468.00 | 59.84 | PK | Н | 31.64 | 91.48 | 113.98 | 22.50 |
| 2468.00 | 33.34 | AV | Н | 31.64 | 64.98 | 93.98 | 29.00 |
| 2468.00 | 57.62 | PK | V | 31.64 | 89.26 | 113.98 | 24.72 |
| 2468.00 | 32.21 | AV | V | 31.64 | 63.85 | 93.98 | 30.13 |
| 4936.00 | 59.76 | PK | Н | 11.21 | 70.97 | 74.00 | 3.03 |
| 4936.00 | 31.25 | AV | Н | 11.21 | 42.46 | 54.00 | 11.54 |
| 7404.00 | 44.61 | PK | Н | 14.96 | 59.57 | 74.00 | 14.43 |
| 7404.00 | 23.45 | AV | Н | 14.96 | 38.41 | 54.00 | 15.59 |
| 9872.00 | 37.89 | PK | Н | 18.78 | 56.67 | 74.00 | 17.33 |
| 9872.00 | 19.45 | AV | Н | 18.78 | 38.23 | 54.00 | 15.77 |
| | | | High Cha | nnel: 2480 MH | [z | | |
| 2480.00 | 59.67 | PK | Н | 31.64 | 91.31 | 113.98 | 22.67 |
| 2480.00 | 34.18 | AV | Н | 31.64 | 65.82 | 93.98 | 28.16 |
| 2480.00 | 58.96 | PK | V | 31.64 | 90.60 | 113.98 | 23.38 |
| 2480.00 | 33.51 | AV | V | 31.64 | 65.15 | 93.98 | 28.83 |
| 2483.50 | 34.01 | PK | Н | 31.64 | 65.65 | 74.00 | 8.35 |
| 2483.50 | 14.45 | AV | Н | 31.64 | 46.09 | 54.00 | 7.91 |
| 4960.00 | 61.21 | PK | Н | 11.23 | 72.44 | 74.00 | 1.56 |
| 4960.00 | 35.24 | AV | Н | 11.23 | 46.47 | 54.00 | 7.53 |
| 7440.00 | 43.23 | PK | Н | 15.26 | 58.49 | 74.00 | 15.51 |
| 7440.00 | 22.75 | AV | Н | 15.26 | 38.01 | 54.00 | 15.99 |
| 9920.00 | 38.11 | PK | Н | 18.73 | 56.84 | 74.00 | 17.16 |
| 9920.00 | 19.81 | AV | Н | 18.73 | 38.54 | 54.00 | 15.46 |



Report No.: CR22020055-00A



Page 24 of 26

4.3 20 dB Emission Bandwidth:

| Serial Number: | CR22020055-RF-S1 | Test Date: | 2022-03-14 |
|-------------------|------------------|--------------|--------------|
| Test Site: | 966-1 | Test Mode: | Transmitting |
| Tester: | Tommy Luo | Test Result: | Pass |

| Environmental Conditions: | | | | | | | |
|---------------------------|----|------------------------------|----|------------------------|-------|--|--|
| Temperature: (℃) | 22 | Relative Humidity: (%) | 62 | ATM Pressure: (kPa) | 100.6 | | |

| Test Equipmen | Test Equipment List and Details: | | | | | | | | | |
|---------------|----------------------------------|---------------------------|------------------|---------------------|-------------------------|--|--|--|--|--|
| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date | | | | | |
| ETS-Lindgren | Horn Antenna | 3115 | 9912-5985 | 2020-10-13 | 2023-10-12 | | | | | |
| R&S | Spectrum Analyzer | FSV40 | 101591 | 2021-07-22 | 2022-07-21 | | | | | |
| MICRO-COAX | Coaxial Cable | UFA210A-1- 1200-70U300 | 217423-008 | 2021-08-08 | 2022-08-07 | | | | | |
| MICRO-COAX | Coaxial Cable | UFA210A-1- 2362-300300 | 235780-001 | 2021-08-08 | 2022-08-07 | | | | | |
| Mini | Pre-amplifier | ZVA-183-S+ | 5969001149 | 2021-11-10 | 2022-11-09 | | | | | |
| Audix | Test Software | E3 | 201021 (V9) | N/A | N/A | | | | | |

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

| Test Channel | Test Frequency (MHz) | 20 dB Bandwidth (MHz) |
|--------------|-------------------------|-----------------------------|
| Low | 2456 | 5.854 |
| Middle | 2468 | 5.790 |
| High | 2480 | 5.663 |

