

## TEST REPORT

**Product** : Digital Calendar  
**Trade mark** : N/A  
**Model/Type reference** : C5, C5 PRO, CH02, CH02 PRO,  
CH03, CH03 PRO, CH05, CH05  
PRO, CH06, CH06 PRO, CH07,  
CH07 PRO, CH08, CH08 PRO  
**Serial Number** : N/A  
**Report Number** : EED32S81558101  
**FCC ID** : 2BVTU-C5  
**Date of Issue** : September 4, 2026  
**Test Standards** : 47 CFR Part 15 Subpart E  
**Test result** : PASS

Prepared for:

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## 2 Test Summary

| Test Item                                             | Test Requirement                               | Result |
|-------------------------------------------------------|------------------------------------------------|--------|
| Antenna Requirement                                   | 47 CFR Part 15 Subpart C Section 15.203        | PASS   |
| AC Power Line Conducted Emission                      | 47 CFR Part 15 Subpart E Section 15.407 (b)(6) | PASS   |
| Duty Cycle                                            | 47 CFR Part 15 Subpart E Section 15.407        | PASS   |
| Maximum Conducted Output Power                        | 47 CFR Part 15 Subpart E Section 15.407 (a)    | PASS   |
| 26dB Emission Bandwidth                               | 47 CFR Part 15 Subpart E Section 15.407 (a)    | PASS   |
| 99% Occupied Bandwidth                                | \                                              | PASS   |
| 6dB Emission Bandwidth                                | 47 CFR Part 15 Subpart E Section 15.407 (e)    | PASS   |
| Maximum Power Spectral Density                        | 47 CFR Part 15 Subpart E Section 15.407 (a)    | PASS   |
| Frequency stability                                   | 47 CFR Part 15 Subpart E Section 15.407 (g)    | PASS   |
| Radiated Emissions                                    | 47 CFR Part 15 Subpart E Section 15.407 (b)    | PASS   |
| Radiated Emissions which fall in the restricted bands | 47 CFR Part 15 Subpart E Section 15.407 (b)    | PASS   |

### 3 General Information

#### 3.1 Client Information

|                          |                                                                                  |
|--------------------------|----------------------------------------------------------------------------------|
| Applicant:               | Shenzhen Xinhaichuang Technology Co., LTD                                        |
| Address of Applicant:    | Room 1022, Block AB, New Energy Building, Nanhai Avenue, Nanshan District, China |
| Manufacturer:            | Shenzhen Xinhaichuang Technology Co., LTD                                        |
| Address of Manufacturer: | Room 1022, Block AB, New Energy Building, Nanhai Avenue, Nanshan District, China |

#### 3.2 General Description of EUT

|                                                     |                                                                                                                                                                                                                                                                                                             |                                                |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Product Name:                                       | Digital Calendar                                                                                                                                                                                                                                                                                            |                                                |
| Model No.:                                          | C5, C5 PRO, CH02, CH02 PRO, CH03, CH03 PRO, CH05, CH05 PRO, CH06, CH06 PRO, CH07, CH07 PRO, CH08, CH08 PRO                                                                                                                                                                                                  |                                                |
| Model difference:                                   | They have the same electrical, PCB and layout. The differences lie in the surface treatment process of the shell and the model naming.                                                                                                                                                                      |                                                |
| Test Model No.:                                     | C5                                                                                                                                                                                                                                                                                                          |                                                |
| Trade mark:                                         | N/A                                                                                                                                                                                                                                                                                                         |                                                |
| EUT Function:                                       | <input type="checkbox"/> Outdoor AP <input type="checkbox"/> Indoor AP <input type="checkbox"/> Fixed P2P AP <input checked="" type="checkbox"/> Indoor                                                                                                                                                     |                                                |
| Type of Modulation:                                 | IEEE 802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM)<br>IEEE 802.11n(HT20/HT40): OFDM (BPSK, QPSK, 16QAM, 64QAM)<br>IEEE 802.11ac(VHT20/VHT40): OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)<br>IEEE 802.11ax(HE20/HE40): OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM,1024QAM)<br>(Resource Unit with subcarriers: Full RU) |                                                |
| Operating Frequency                                 | U-NII-1 & U-NII-2A: 5150-5350MHz<br>U-NII-2C:5500-5700MHz<br>U-NII-3:5745-5825MHz                                                                                                                                                                                                                           |                                                |
| Weather Band                                        | <input checked="" type="checkbox"/> With 5600-5650MHz <input type="checkbox"/> Without 5600-5650MHz                                                                                                                                                                                                         |                                                |
| DFS (Dynamic Frequency Selection) Operational mode: | <input type="checkbox"/> Master <input checked="" type="checkbox"/> Slaver without radar detection <input type="checkbox"/> Slaver with radar detection                                                                                                                                                     |                                                |
| TPC Function                                        | <input checked="" type="checkbox"/> With TPC Function <input type="checkbox"/> Without TPC Function                                                                                                                                                                                                         |                                                |
| Antenna Configuration:                              | <input checked="" type="checkbox"/> Single Transmitting;<br><input type="checkbox"/> MIMO ( <input type="checkbox"/> 2T2R, <input type="checkbox"/> 3T3R, <input type="checkbox"/> 4T4R, <input type="checkbox"/> Other    );                                                                               |                                                |
| Antenna Type:                                       | FPC Antenna                                                                                                                                                                                                                                                                                                 |                                                |
| Antenna Gain:                                       | U-NII-1: 1.32dBi<br>U-NII-2A: 1.32dBi<br>U-NII-2C: 1.1dBi<br>U-NII-3: 1.14dBi                                                                                                                                                                                                                               |                                                |
| Power Supply:                                       | Adapter:                                                                                                                                                                                                                                                                                                    | Input:AC 100-240V, 50/60Hz,<br>Output:DC 5V/2A |
|                                                     | USB Port:                                                                                                                                                                                                                                                                                                   | DC 5V                                          |

|                       |                                  |
|-----------------------|----------------------------------|
| Test voltage:         | AC 120V                          |
| Sample Received Date: | Jun. 11, 2026                    |
| Sample tested Date:   | Jun. 05, 2026 to August 03, 2026 |

Operation Frequency each of channel

802.11a/802.11n/802.11ac(20MHz)/802.11ax(20MHz) Frequency/Channel Operations:

| U-NII-1 |                | U-NII-2A |                | U-NII-2C |                | U-NII-3 |                |
|---------|----------------|----------|----------------|----------|----------------|---------|----------------|
| Channel | Frequency(MHz) | Channel  | Frequency(MHz) | Channel  | Frequency(MHz) | Channel | Frequency(MHz) |
| 36      | 5180           | 52       | 5260           | 100      | 5500           | 149     | 5745           |
| 40      | 5200           | 56       | 5280           | 104      | 5520           | 153     | 5765           |
| 44      | 5220           | 60       | 5300           | 108      | 5540           | 157     | 5785           |
| 48      | 5240           | 64       | 5320           | 112      | 5560           | 161     | 5805           |
| -       | -              | -        | -              | 116      | 5580           | 165     | 5825           |
| -       | -              | -        | -              | 120      | 5600           | -       | -              |
| -       | -              | -        | -              | 124      | 5620           | -       | -              |
| -       | -              | -        | -              | 128      | 5640           | -       | -              |
| -       | -              | -        | -              | 132      | 5660           | -       | -              |
| -       | -              | -        | -              | 136      | 5680           | -       | -              |
| -       | -              | -        | -              | 140      | 5700           | -       | -              |

802.11n/802.11ac(40MHz)/802.11ax(40MHz) Frequency/Channel Operations:

| U-NII-1 |                | U-NII-2A |                | U-NII-2C |                | U-NII-3 |                |
|---------|----------------|----------|----------------|----------|----------------|---------|----------------|
| Channel | Frequency(MHz) | Channel  | Frequency(MHz) | Channel  | Frequency(MHz) | Channel | Frequency(MHz) |
| 38      | 5190           | 54       | 5270           | 102      | 5510           | 151     | 5755           |
| 46      | 5230           | 62       | 5310           | 110      | 5550           | 159     | 5795           |
| -       | -              | -        | -              | 118      | 5590           | -       | -              |
| -       | -              | -        | -              | 126      | 5630           | -       | -              |
| -       | -              | -        | -              | 134      | 5670           | -       | -              |

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test.

### Test Configuration

| EUT Test Software Settings:                                                                                                                                                                                  |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Test Software:                                                                                                                                                                                               | ADB                                                                                 |
| EUT Power Grade:                                                                                                                                                                                             | Default (Power level is built-in set parameters and cannot be changed and selected) |
| Use test software to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.                                                                                  |                                                                                     |
| Test Mode:                                                                                                                                                                                                   |                                                                                     |
| We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows: |                                                                                     |
| Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.                                                                                                         |                                                                                     |
| Mode                                                                                                                                                                                                         | Data rate                                                                           |
| 802.11a                                                                                                                                                                                                      | 6 Mbps                                                                              |
| 802.11n(HT20)                                                                                                                                                                                                | MCS0                                                                                |
| 802.11n(HT40)                                                                                                                                                                                                | MCS0                                                                                |
| 802.11ac(VHT20)                                                                                                                                                                                              | MCS0                                                                                |
| 802.11ac(VHT40)                                                                                                                                                                                              | MCS0                                                                                |
| 802.11ax(HE20)                                                                                                                                                                                               | MCS0                                                                                |
| 802.11ax(HE40)                                                                                                                                                                                               | MCS0                                                                                |

### 3.3 Test Environment

| Operating Environment:       |                         |            |
|------------------------------|-------------------------|------------|
| Radiated Spurious Emissions: |                         |            |
| Temperature:                 | 22~25.0 °C              |            |
| Humidity:                    | 50~55 % RH              |            |
| Atmospheric Pressure:        | 1010mbar                |            |
| Conducted Emissions:         |                         |            |
| Temperature:                 | 22~25.0 °C              |            |
| Humidity:                    | 50~55 % RH              |            |
| Atmospheric Pressure:        | 1010mbar                |            |
| RF Conducted:                |                         |            |
| Humidity:                    | 50~55 % RH              |            |
| Atmospheric Pressure:        | 1010mbar                |            |
| Temperature:                 | NT (Normal Temperature) | 22~25.0 °C |
|                              | LT (Low Temperature)    | 0 °C       |
|                              | HT (High Temperature)   | 45.0 °C    |
| Working Voltage of the EUT:  | NV (Normal Voltage)     | AC 120V    |
|                              | LV (Low Voltage)        | AC 108V    |
|                              | HV (High Voltage)       | AC 132V    |

### 3.4 Description of Support Units

The EUT has been tested independently.

### 3.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164, Test Firm Registration No.: 260439

### 3.6 Measurement Uncertainty (95% confidence levels, k=2)

| No. | Item                            | Measurement Uncertainty |
|-----|---------------------------------|-------------------------|
| 1   | Radio Frequency                 | $7.9 \times 10^{-8}$    |
| 2   | RF power, conducted             | 0.46dB (30MHz-1GHz)     |
|     |                                 | 0.55dB (1GHz-40GHz)     |
| 3   | Radiated Spurious emission test | 3.3dB (9kHz-30MHz)      |
|     |                                 | 4.5dB (30MHz-1GHz)      |
|     |                                 | 4.8dB (1GHz-18GHz)      |
|     |                                 | 3.4dB (18GHz-40GHz)     |
| 4   | Conduction emission             | 3.5dB (9kHz to 150kHz)  |
|     |                                 | 3.1dB (150kHz to 30MHz) |
| 5   | Temperature test                | 0.64°C                  |
| 6   | Humidity test                   | 3.8%                    |
| 7   | DC power voltages               | 0.026%                  |

## 4 Equipment List

| RF test system                    |                     |               |               |                           |                               |
|-----------------------------------|---------------------|---------------|---------------|---------------------------|-------------------------------|
| Equipment                         | Manufacturer        | Mode No.      | Serial Number | Cal. Date<br>(yyyy-mm-dd) | Cal. Due date<br>(yyyy-mm-dd) |
| Spectrum Analyzer                 | Keysight            | N9020B        | MY57110194    | 2026/4/25                 | 2027/4/24                     |
| DC Power                          | Keysight            | E3634A        | MY58186018    | 2026/4/25                 | 2027/4/24                     |
| Signal Generator                  | R&S                 | SMBV100B      | 103596        | 2026/4/25                 | 2027/4/24                     |
| Signal Generator                  | Keysight            | N5171B        | MY53051074    | 2026/4/25                 | 2027/4/24                     |
| Communication test set            | R&S                 | CMW500        | 159004        | 2026/4/25                 | 2027/4/24                     |
| Wi-Fi 7GHz Band Extender          | TSTPASS             | TSTCMWSG EXT7 | SN4522048     | 2026/4/25                 | 2027/4/24                     |
| RF control unit(power unit)       | TSTPASS             | TSCB562R2     | SN2949184     | 2026/4/25                 | 2027/4/24                     |
| high-low temperature test chamber | Dong Guang Qin Zhuo | LK-80GA       | QZ20150611879 | 2025/11/13                | 2026/11/12                    |
| Temperature/Humidity Indicator    | biaozhi             | HM10          | 1804186       | 2026/05/22                | 2027-05/21                    |
| BT&WI-FI Automatic test system    | TSTPASS             | ---           | V2.0.2        | ---                       | ---                           |

| Conducted disturbance Test      |              |           |               |              |               |
|---------------------------------|--------------|-----------|---------------|--------------|---------------|
| Equipment                       | Manufacturer | Model No. | Serial Number | Cal. date    | Cal. Due date |
|                                 |              |           |               | (mm-dd-yyyy) | (mm-dd-yyyy)  |
| Receiver                        | R&S          | ESCI      | 100435        | 04-07-2026   | 04-06-2027    |
| Temperature/ Humidity Indicator | Defu         | TH128     | /             | 03-24-2026   | 03-23-2027    |
| LISN                            | R&S          | ENV216    | 100098        | 09-13-2025   | 09-12-2026    |
| Barometer                       | changchun    | DYM3      | 1188          | ---          | ---           |
| Test software                   | Fara         | EZ-EMC    | EMC-CON 3A1.1 | ---          | ---           |
| Capacitive voltage probe        | Schwarzbeck  | CVP 9222C | 00124         | 06-07-2025   | 06-06-2026    |
|                                 |              |           |               | 06-10-2026   | 06-09-2027    |
| ISN                             | TESEQ        | ISN T800  | 30297         | 11-24-2025   | 11-23-2026    |