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Report Template Version: V05

Report Template Revision Date: 2021-11-06

# Test Report

**Report No. :** CQASZ20241202754E-05  
**Applicant:** KIWISAT LLC  
**Address of Applicant:** 1111 Pennsylvania Avenue, NW Washington, District of Columbia 20004, United States  
**Equipment Under Test (EUT):**  
**Product:** AAFiber/KIWISAT IPTV box  
Android IPTV Device  
AAFiber/KIWISAT IPTV Device  
KIWISAT, AAFiber, AAKIWI compatible IPTV device  
**Model No.:** AAGS-P1, AAGS-P1S  
**Test Model No.:** AAGS-P1  
**Brand Name:**  
  
**FCC ID:** 2AR5S-AAGS-P1  
**Standards:** 47 CFR Part 15, Subpart E  
KDB 789033 D02 General UNII Test Procedures New Rules v02  
KDB 558074 D01 Meas Guidance v05  
**Date of Receipt:** 2024-12-31  
**Date of Test:** 2024-12-31 to 2025-02-20  
**Date of Issue:** 2025-3-4  
**Test Result :** **PASS\***

**\*In the configuration tested, the EUT complied with the standards specified above**

**Tested By:** Lewis Zhou  
( Lewis Zhou )

**Reviewed By:** Timo Lei  
( Timo Lei )

**Approved By:** Jack Ai  
( Jack Ai )



## 2 Version

### Revision History Of Report

| Report No.           | Version | Description    | Issue Date |
|----------------------|---------|----------------|------------|
| CQASZ20241202754E-05 | Rev.01  | Initial report | 2025-3-4   |

### 3 Test Summary

| Test Item                            | Test Requirement                                       | Test method                                   | Result            |
|--------------------------------------|--------------------------------------------------------|-----------------------------------------------|-------------------|
| Non-Occupancy Period                 | 47 CFR Part 15 Subpart E<br>Section 15.407 (h)(2)(iv)  | FCC Order, ET Docket No.03-122<br>(FCC 06-96) | N/A <sup>1)</sup> |
| DFS Detection Threshold              | 47 CFR Part 15 Subpart E<br>Section 15.407 (h)(2)      | FCC Order, ET Docket No.03-122<br>(FCC 06-96) | N/A <sup>1)</sup> |
| Channel Availability Check Time      | 47 CFR Part 15 Subpart E<br>Section 15.407 (h)(2)(ii)  | FCC Order, ET Docket No.03-122<br>(FCC 06-96) | N/A <sup>1)</sup> |
| Uniform Spreading                    | 47 CFR Part 15 Subpart E<br>Section 15.407 (h)(2)      | FCC Order, ET Docket No.03-122<br>(FCC 06-96) | N/A <sup>1)</sup> |
| U-NII Detection Bandwidth            | 47 CFR Part 15 Subpart E<br>Section 15.407 (h)(2)      | FCC Order, ET Docket No.03-122<br>(FCC 06-96) | N/A <sup>1)</sup> |
| Channel Closing Transmission<br>Time | 47 CFR Part 15 Subpart E<br>Section 15.407 (h)(2)(iii) | FCC Order, ET Docket No.03-122<br>(FCC 06-96) | PASS              |
| Channel Move Time                    | 47 CFR Part 15 Subpart E<br>Section 15.407 (h)(2)(iii) | FCC Order, ET Docket No.03-122<br>(FCC 06-96) | PASS              |

**Remark:**

The tested sample(s) and the sample information are provided by the client.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radiated Frequency.

CH: In this whole report CH means channel.

Volt: In this whole report Volt means Voltage.

Temp: In this whole report Temp means Temperature.

Humid: In this whole report Humid means humidity.

Press: In this whole report Press means Pressure.

N/A: In this whole report not application.

N/A<sup>1)</sup>: The operation mode of tested sample only is client without radar detection, therefore it is not required.

Model No.: Skylight 2, D104S

Only the model Skylight 2 was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, Only the models are different.

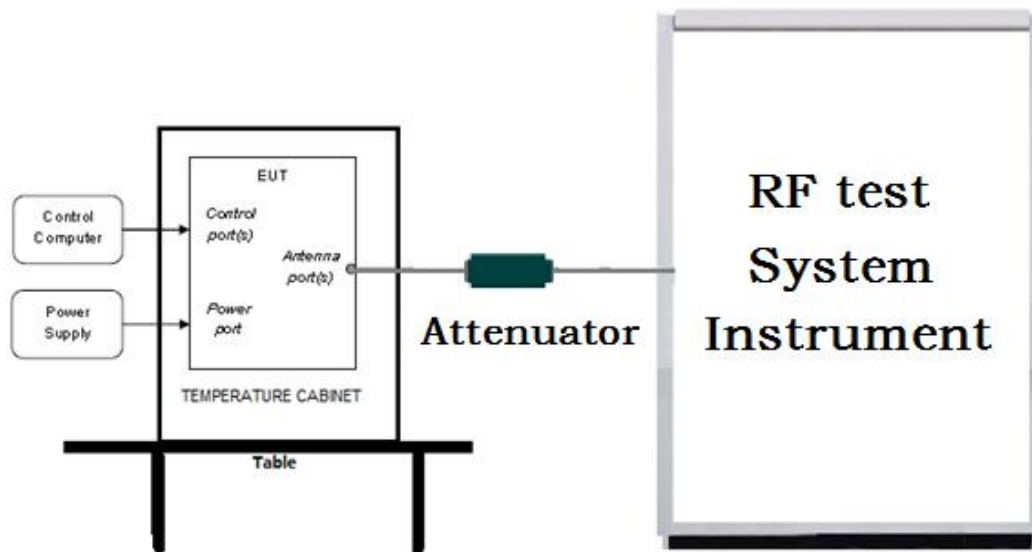
## 4 Content

|                                                                      |    |
|----------------------------------------------------------------------|----|
| .....                                                                | 1  |
| 2 VERSION .....                                                      | 3  |
| 3 TEST SUMMARY .....                                                 | 4  |
| 4 CONTENT .....                                                      | 5  |
| 5 TEST REQUIREMENT .....                                             | 6  |
| 5.1 TEST SETUP .....                                                 | 6  |
| 5.1.1 For Conducted test setup .....                                 | 6  |
| 5.1.2 Slave and Client device(EUT) block diagram of Test setup ..... | 6  |
| 5.1.3 Mast device(EUT) block diagram of Test setup .....             | 6  |
| 5.2 TEST ENVIRONMENT .....                                           | 7  |
| 5.3 TEST CONDITION .....                                             | 7  |
| 5.3.1 Radar test waveforms .....                                     | 7  |
| 5.3.2 Technical requirement .....                                    | 9  |
| 6 GENERAL INFORMATION .....                                          | 10 |
| 6.1 CLIENT INFORMATION .....                                         | 10 |
| 6.2 GENERAL DESCRIPTION OF EUT .....                                 | 10 |
| 6.3 GENERAL DESCRIPTION OF 5G WIFI CLASSIC .....                     | 11 |
| 6.4 DESCRIPTION OF SUPPORT UNITS .....                               | 12 |
| 6.5 EST LOCATION .....                                               | 12 |
| 6.6 TEST FACILITY .....                                              | 12 |
| 6.7 DEVIATION FROM STANDARDS .....                                   | 12 |
| 6.8 ABNORMALITIES FROM STANDARD CONDITIONS .....                     | 12 |
| 6.9 OTHER INFORMATION REQUESTED BY THE CUSTOMER .....                | 12 |
| 6.10 MEASUREMENT UNCERTAINTY (95% CONFIDENCE LEVELS, K=2) .....      | 12 |
| 7 EQUIPMENT LIST .....                                               | 14 |
| 8 RADIO TECHNICAL REQUIREMENTS SPECIFICATION .....                   | 15 |
| Appendix A)Channel Closing Transmission and Channel Move Time .....  | 16 |

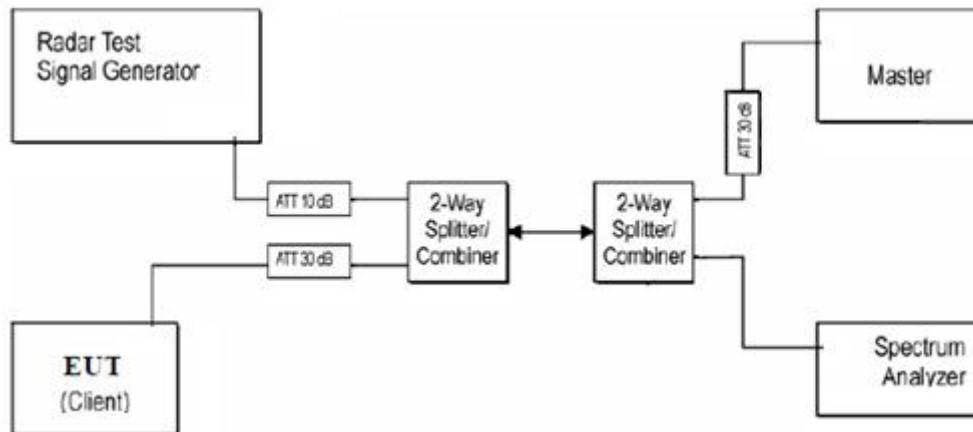
## 5 Test Requirement

### 5.1 Test setup

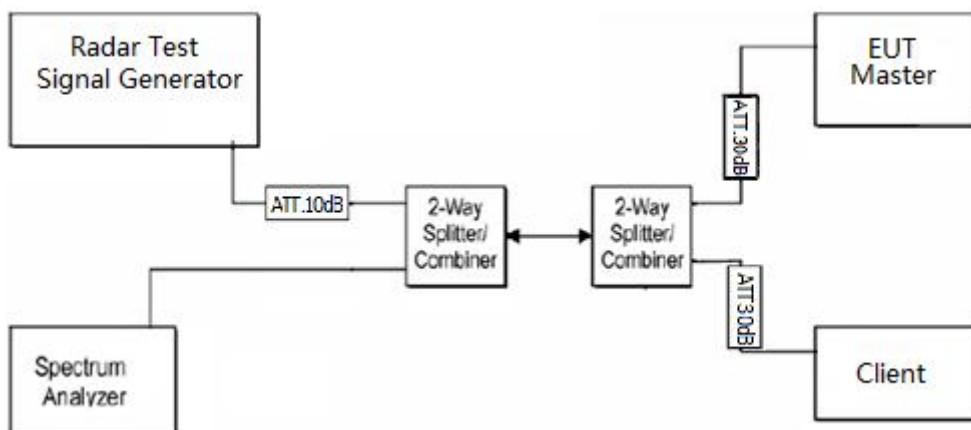
#### 5.1.1 For Conducted test setup



#### 5.1.2 Slave and Client device(EUT) block diagram of Test setup



#### 5.1.3 Mast device(EUT) block diagram of Test setup



## 5.2 Test Environment

| Operating Environment: |          |
|------------------------|----------|
| Temperature:           | 20 °C    |
| Humidity:              | 53 % RH  |
| Atmospheric Pressure:  | 1010mbar |

## 5.3 Test Condition

### 5.3.1 Radar test waveforms

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

#### a) Short Pulse Radar Test Waveforms

| Radar Type                 | Pulse width (μsec) | PRI (μsec) | Number of Pulses | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|----------------------------|--------------------|------------|------------------|--------------------------------------------|--------------------------|
| 1                          | 1                  | 1428       | 18               | 60%                                        | 30                       |
| 2                          | 1-5                | 150-230    | 23-29            | 60%                                        | 30                       |
| 3                          | 6-10               | 200-500    | 16-18            | 60%                                        | 30                       |
| 4                          | 11-20              | 200-500    | 12-16            | 60%                                        | 30                       |
| Aggregate(Radar Types 1-4) |                    |            |                  | 80%                                        | 120                      |

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. For Short Pulse Radar Type 1, the same waveform is used a minimum of 30 times. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms.

The aggregate is the average of the percentage of successful detections of Short Pulse Radar Types 1-4.

#### b) Long Pulse Radar Test Waveform

| Radar Type | Pulse width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Burst | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|------------|--------------------|-------------------|------------|----------------------------|-----------------|--------------------------------------------|--------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20            | 80%                                        | 30                       |

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse Radar Type waveforms. If more than 30 waveforms are used for the Long Pulse Radar Type waveforms, then each additional waveform must also be unique and not repeated from the previous waveforms.

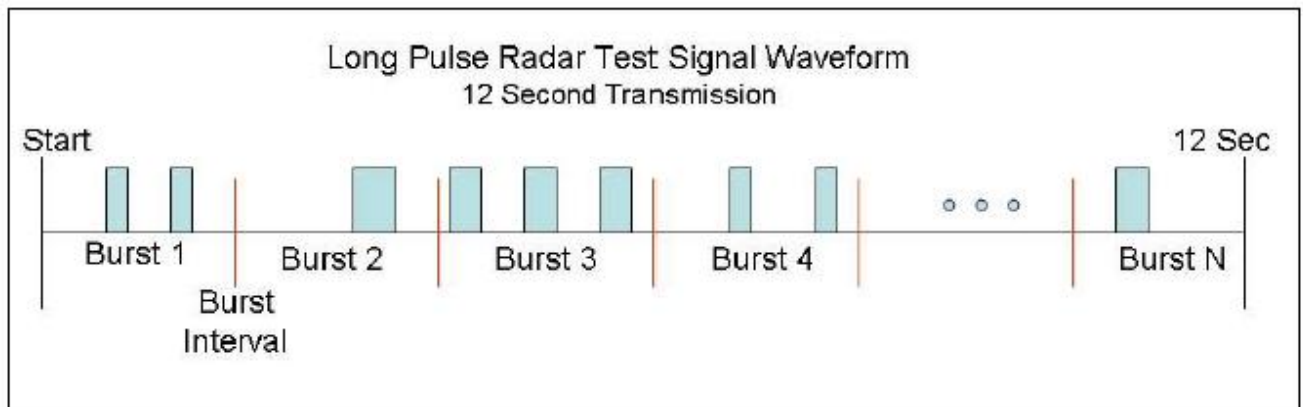
#### Each waveform is defined as follows:

- 1) The transmission period for the Long Pulse Radar test signal is 12 seconds.
- 2) There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst\_Count.
- 3) Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each Burst within the 12 second sequence may have a different number of pulses.
- 4) The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a Burst will have the same pulse width. Pulses in different Bursts may have different pulse widths.
- 5) Each pulse has a linear frequency modulated chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a Burst will have the same chirp width. Pulses indifferent Bursts may have different chirp widths. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and ends at 5310 MHz.
- 6) If more than one pulse is present in a Burst, the time between the pulses will be between 1000 and 2000 microseconds, with the time being randomly chosen. If three pulses are present in a Burst, the random time interval between the first and second pulses is chosen independently of the random time interval between the second and third pulses.
- 7) The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst\_Count. Each interval is of length  $(12,000,000 / \text{Burst\_Count})$  microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and  $[(12,000,000 / \text{Burst\_Count}) - (\text{Total Burst Length}) + (\text{One Random PRI Interval})]$  microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each Burst is chosen randomly.

### A representative example of a Long Pulse Radar Type waveform:

- 1) The total test waveform length is 12 seconds.
- 2) Eight (8) Bursts are randomly generated for the Burst\_Count.
- 3) Burst 1 has 2 randomly generated pulses.
- 4) The pulse width (for both pulses) is randomly selected to be 75 microseconds.
- 5) The PRI is randomly selected to be at 1213 microseconds.
- 6) Bursts 2 through 8 are generated using steps 3 – 5.
- 7) Each Burst is contained in even intervals of 1,500,000 microseconds. The starting location for Pulse 1, Burst 1 is randomly generated (1 to 1,500,000 minus the total Burst 1 length + 1 random PRI interval) at the 325,001 microsecond step. Bursts 2 through 8 randomly fall in successive 1,500,000 microsecond intervals (i.e. Burst 2 falls in the 1,500,001 – 3,000,000 microsecond range).

### Graphical representation of the Long Pulse Radar Test Waveform.



### c) Frequency Hopping Radar Test Waveform

| Radar Type | Pulse width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (m sec) | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|------------|--------------------|------------|----------------|--------------------|---------------------------------|--------------------------------------------|--------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                             | 70%                                        | 30                       |

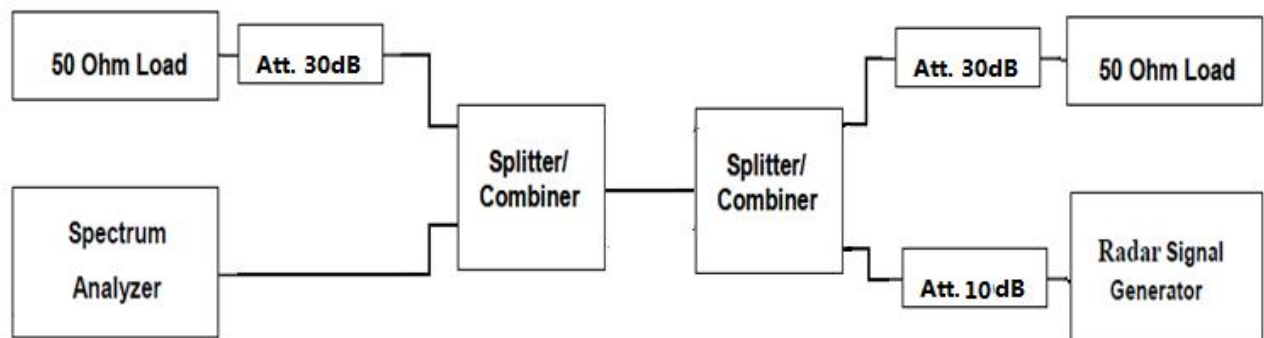
For the Frequency Hopping Radar Type, the same Burst parameters are used for each waveform. The hopping sequence is different for each waveform and a 100-length segment is selected from the hopping sequence defined by the following algorithm.

### d) Radar Waveform Calibration

The following equipment setup was used to calibrate the conducted radar waveform. A spectrum analyzer was used to establish the test signal level for each radar type. During this process there were replace 50ohm terminal from master and client device and no transmissions by either the master or client device. The spectrum analyzer was switched to the zero span (time domain) at the frequency of the radar waveform generator. Peak detection was utilized. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3MHz and 3 MHz.

The signal generator amplitude was set so that the power level measured at the spectrum analyzer was -61dBm due to the interference threshold level is not required.

### Conducted Calibration Setup



### 5.3.2 Technical requirement

#### a) Applicability of DFS Requirements

##### Applicability of DFS Requirements Prior to Use of a Channel

| Requirement                     | Operation Mode |                                |                             |
|---------------------------------|----------------|--------------------------------|-----------------------------|
|                                 | Master         | Client without Radar Detection | Client with Radar Detection |
| Non-Occupancy Period            | Yes            | Not require                    | Yes                         |
| DFS Detection Threshold         | Yes            | Not require                    | Yes                         |
| Channel Availability Check Time | Yes            | Not require                    | Not require                 |
| Uniform Spreading               | Yes            | Not require                    | Not require                 |
| U-NII Detection Bandwidth       | Yes            | Not require                    | Yes                         |

##### Applicability of DFS requirements during normal operation

| Requirement                       | Operation Mode |                                |                             |
|-----------------------------------|----------------|--------------------------------|-----------------------------|
|                                   | Master         | Client without Radar Detection | Client with Radar Detection |
| DFS Detection Threshold           | Yes            | Not require                    | Yes                         |
| Channel Closing Transmission Time | Yes            | Yes                            | Yes                         |
| Channel Move Time                 | Yes            | Yes                            | Yes                         |
| U-NII Detection Bandwidth         | Yes            | Not require                    | Yes                         |

#### b) DFS Detection Thresholds and Response Requirement

##### DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection

| Maximum Transmit Power | Value(See Notes 1 and 2) |
|------------------------|--------------------------|
| ≥ 200 milliwatt        | -64 dBm                  |
| < 200 milliwatt        | -62 dBm                  |

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.

Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

##### DFS Response Requirement Values

| Parameter                         | Value                                                                                                   |
|-----------------------------------|---------------------------------------------------------------------------------------------------------|
| Non- occupancy period             | Minimum 30 minutes                                                                                      |
| Channel Availability Check Time   | 60 seconds                                                                                              |
| Channel Move Time                 | 10 seconds<br>See Note 1                                                                                |
| Channel Closing Transmission Time | 200 milliseconds + an aggregate of 60milliseconds over remaining 10 second period.<br>See Notes 1 and 2 |
| U-NII Detection Bandwidth         | Minimum 80% of the UNII99% transmission power bandwidth<br>See Note 3                                   |

**Note 1:** The instant that the Channel Move Time and the Channel Closing Transmission Time begins is as follows:

- For the Short Pulse Radar Test Signals this instant is the end of the Burst.
- For the Frequency Hopping radar Test Signal, this instant is the end of the last radar Burst generated.
- For the Long Pulse Radar Test Signal this instant is the end of the 12 second period defining the Radar Waveform.

**Note 2:** The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

**Note 3:** During the U-NII Detection Bandwidth detection test, radar type 1 is used and for each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

## 6 General Information

### 6.1 Client Information

|                          |                                                                                                              |
|--------------------------|--------------------------------------------------------------------------------------------------------------|
| Applicant:               | KIWISAT LLC                                                                                                  |
| Address of Applicant:    | 1111 Pennsylvania Avenue, NW Washington, District of Columbia 20004, United States                           |
| Manufacturer:            | SHENZHEN GOLDEN STAR TECHNOLOGY LTD                                                                          |
| Address of Manufacturer: | 2-3Floor, No.181-183 FengHuang Avenue, FengHuang Community, Fuyong Street, Bao'an District, Shenzhen, China. |
| Factory:                 | SHENZHEN GOLDEN STAR TECHNOLOGY LTD                                                                          |
| Address of Factory:      | 2-3Floor, No.181-183 FengHuang Avenue, FengHuang Community, Fuyong Street, Bao'an District, Shenzhen, China. |

### 6.2 General Description of EUT

|                                  |                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name:                    | AAFiber/KIWISAT IPTV box<br>Android IPTV Device<br>AAFiber/KIWISAT IPTV Device<br>KIWISAT, AAFiber, AAKIWI compatible IPTV device                                                                         |
| Model No.(EUT):                  | AAGS-P1, AAGS-P1S                                                                                                                                                                                         |
| Test Model No.:                  | AAGS-P1                                                                                                                                                                                                   |
| Trade Mark:                      |                                                                                                                        |
| Location for use:                | indoor                                                                                                                                                                                                    |
| EUT Supports Radios application: | 2.4GHz: Wi-Fi: 802.11b/g/n(HT20)(HT40): 2412MHz ~2462 MHz<br>5GHz: Wi-Fi: U-NII-1: 5.15-5.25GHz; U-NII-2a: 5.25-5.35GHz<br>U-NII-2c: 5.47-5.725GHz; U-NII-3: 5.725-5.850GHz<br>Bluetooth: 2402MHz~2480MHz |
| Power Supply:                    | Power supply DC12V                                                                                                                                                                                        |
| Software Version:                | Android 11                                                                                                                                                                                                |
| Hardware Version:                | S905Y4-M500-2024-10-10                                                                                                                                                                                    |

### 6.3 General Description of 5G WIFI Classic

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation Frequency:  | IEEE 802.11a/n/ac/ax(20M): 5150MHz ~5250 MHz<br>IEEE802.11n/ac/ax(40M): 5150MHz ~5250 MHz<br>IEEE 802.11a/n/ac/ax(20M): 5250MHz ~5350 MHz<br>IEEE802.11n/ac/ax(40M): 5250MHz ~5350 MHz<br>IEEE 802.11a/n/ac/ax(20M): 5470MHz ~5725 MHz<br>IEEE802.11n/ac/ax(40M): 5470MHz ~5725 MHz<br>IEEE 802.11a/n/ac/ax(20M): 5725MHz ~5850 MHz<br>IEEE802.11n/ac/ax(40M): 5725MHz ~5850 MHz                                                                                      |
| Channel Numbers:      | IEEE 802.11a/n/ac/ax(20M): 5150MHz ~5250MHz/ 4 channel<br>IEEE 802.11n/ac/ax(40M): 5150MHz ~5250MHz/ 2 channel<br>IEEE 802.11a/n/ac/ax(20M): 5250MHz ~5350MHz/ 4 channel<br>IEEE 802.11n/ac/ax(40M): 5250MHz ~5350MHz/ 2 channel<br>IEEE 802.11a/n/ac/ax(20M): 5470MHz ~5725MHz/ 12 channel<br>IEEE 802.11n/ac/ax(40M): 5470MHz ~5725MHz/ 6 channel<br>IEEE 802.11a/n/ac/ax(20M): 5725MHz ~5850MHz/ 5 channel<br>IEEE 802.11n/ac/ax(40M): 5725MHz ~5850MHz/ 2 channel |
| Type of Modulation:   | OFDM                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sample Type:          | <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> Portable                                                                                                                                                                                                                                                                                                                                                                                          |
| Test Software of EUT: | Serial                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Antenna Type:         | FPC antenna                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Antenna gain:         | 5.73dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cable loss:           | 1.0 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## 6.4 Description of Support Units

The EUT has been tested with associated equipment below.

| Associated equipment name |        | Manufacturer | model | serial number    | Supplied by | Certification |
|---------------------------|--------|--------------|-------|------------------|-------------|---------------|
| AE1                       | Phone  | Apple        | A1367 | TTF20120027      | CTI         | FCC           |
| AE2                       | Router | HuaWei       | WS550 | K8E8W15314002784 | CTI         | FCC           |

## 6.5 Test Location

All tests were performed at:

**Shenzhen Huaxia Testing Technology Co., Ltd.,**

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua New District, Shenzhen, Guangdong, China

## 6.6 Test Facility

• **A2LA (Certificate No. 4742.01)**

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

• **FCC Registration No.: 522263**

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.:522263

## 6.7 Deviation from Standards

None.

## 6.8 Abnormalities from Standard Conditions

None.

## 6.9 Other Information Requested by the Customer

None.

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

| No. | Item                            | Measurement Uncertainty |
|-----|---------------------------------|-------------------------|
| 1   | Radio Frequency                 | $3 \times 10^{-8}$      |
| 2   | RF power, conducted             | 0.86dB                  |
| 3   | Radiated Spurious emission test | 5.12dB (Below 1GHz)     |
|     |                                 | 4.6dB (Above 1GHz)      |
| 4   | Conduction emission             | 3.5dB (9kHz to 150kHz)  |
|     |                                 | 3.1dB (150kHz to 30MHz) |
| 5   | Temperature test                | 0.8°C                   |
| 6   | Humidity test                   | 2.0%                    |

|   |                   |      |
|---|-------------------|------|
| 7 | DC power voltages | 0.5% |
|---|-------------------|------|

## 7 Equipment List

| Test Equipment                            | Manufacturer | Model No.              | Instrument No. | Calibration Date | Calibration Due Date |
|-------------------------------------------|--------------|------------------------|----------------|------------------|----------------------|
| EMI Test Receiver                         | R&S          | ESR7                   | CQA-005        | 2024/9/2         | 2025/9/1             |
| Spectrum analyzer                         | R&S          | FSU26                  | CQA-038        | 2024/9/2         | 2025/9/1             |
| Spectrum analyzer                         | R&S          | FSV40                  | CQA-075        | 2024/9/2         | 2025/9/1             |
| Preamplifier                              | MITEQ        | AFS4-00010300-18-10P-4 | 4012339        | 2024/9/2         | 2025/9/1             |
| Preamplifier                              | MITEQ        | AMF-6D-02001800-29-20P | CQA-036        | 2024/9/2         | 2025/9/1             |
| Preamplifier                              | EMCI         | EMC184055SE            | CQA-089        | 2024/9/2         | 2025/9/1             |
| Loop antenna                              | Schwarzbeck  | FMZB1516               | CQA-060        | 2023/9/8         | 2026/9/7             |
| Bilog Antenna                             | R&S          | HL562                  | CQA-011        | 2023/11/01       | 2026/10/31           |
| Horn Antenna                              | R&S          | HF906                  | CQA-012        | 2023/11/01       | 2026/10/31           |
| Horn Antenna                              | Schwarzbeck  | BBHA 9170              | CQA-088        | 2023/9/7         | 2026/9/6             |
| Coaxial Cable (Above 1GHz)                | CQA          | N/A                    | C007           | 2024/9/2         | 2025/9/1             |
| Coaxial Cable (Below 1GHz)                | CQA          | N/A                    | C013           | 2024/9/2         | 2025/9/1             |
| Antenna Connector                         | CQA          | RFC-01                 | CQA-080        | 2024/9/2         | 2025/9/1             |
| Power Sensor                              | KEYSIGHT     | U2021XA                | CQA-30         | 2024/9/2         | 2025/9/1             |
| N1918A Power Analysis Manager Power Panel | Agilent      | N1918A                 | CQA-074        | 2024/9/2         | 2025/9/1             |
| Power divider                             | MIDWEST      | PWD-2533-02-SMA-79     | CQA-067        | 2024/9/2         | 2025/9/1             |
| EMI Test Receiver                         | R&S          | ESR7                   | CQA-005        | 2024/9/2         | 2025/9/1             |
| LISN                                      | R&S          | ENV216                 | CQA-003        | 2024/9/2         | 2025/9/1             |
| Coaxial cable                             | CQA          | N/A                    | CQA-C009       | 2024/9/2         | 2025/9/1             |
| high-low temperature chamber              | Auchno       | OJN-9606               | CQA-S003       | 2024/9/2         | 2025/9/1             |
| DC power                                  | KEYSIGHT     | E3631A                 | CQA-028        | 2024/9/2         | 2025/9/1             |

## 8 Radio Technical Requirements Specification

### Reference documents for testing:

| No. | Identity                                   | Document Title                                                                                                                                                                                 |
|-----|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | FCC Part15E (2015)                         | Subpart C-Intentional Radiators                                                                                                                                                                |
| 2   | FCC Order, ET Docket No.03-122 (FCC 06-96) | Compliance Measurement Procedures for Unlicensed-National Information Infrastructure Devices Operating in the 5.25-5.35 GHz and 5.47-5.725 GHz Bands Incorporating Dynamic Frequency Selection |

### Test Results List:

| FCC Part15E                                         | Test method | Test item                         | Operation Mode verdict         | Note        |
|-----------------------------------------------------|-------------|-----------------------------------|--------------------------------|-------------|
|                                                     |             |                                   | Client without Radar Detection |             |
| 47 CFR Part 15 Subpart E Section 15.407 (h)(2)(iv)  | FCC 06-96   | Non-Occupancy Period              | Not require                    | Appendix A) |
| 47 CFR Part 15 Subpart E Section 15.407 (h)(2)      | FCC 06-96   | DFS Detection Threshold           | Not require                    | Appendix B) |
| 47 CFR Part 15 Subpart E Section 15.407 (h)(2)(ii)  | FCC 06-96   | Channel Availability Check Time   | Not require                    | Appendix C) |
| 47 CFR Part 15 Subpart E Section 15.407 (h)(2)      | FCC 06-96   | U-NII Detection Bandwidth         | Not require                    | Appendix D) |
| 47 CFR Part 15 Subpart E Section 15.407 (h)(2)(iii) | FCC 06-96   | Channel Closing Transmission Time | PASS                           | Appendix E) |
| 47 CFR Part 15 Subpart E Section 15.407 (h)(2)(iii) | FCC 06-96   | Channel Move Time                 | PASS                           | Appendix F) |
| 47 CFR Part 15 Subpart E Section 15.407 (h)(2)      | FCC 06-96   | Uniform Spreading                 | Not require                    | Appendix G) |

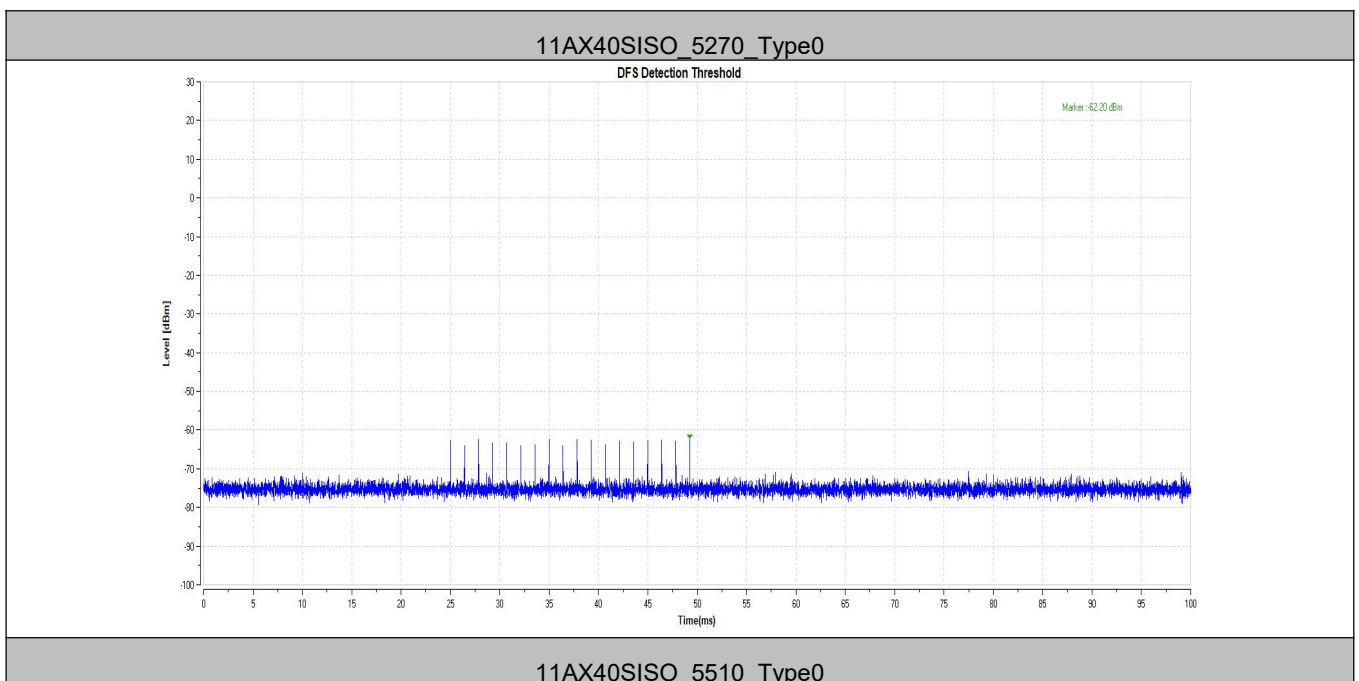
## Appendix A)Channel Closing Transmission and Channel Move Time

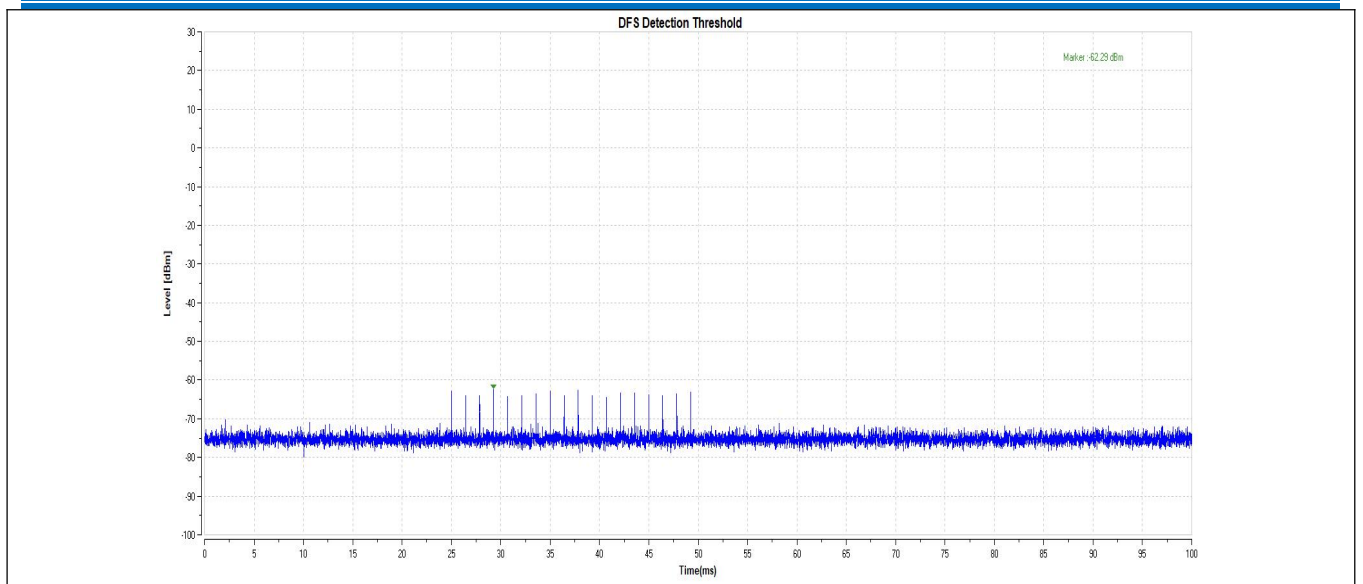
### 8.1 Monitoring of operating channel Limit

| Monitoring of operating channel Limit |        |
|---------------------------------------|--------|
| Channel Move Time                     | 10 sec |
| Channel Closing Transmission Time     | 260 ms |

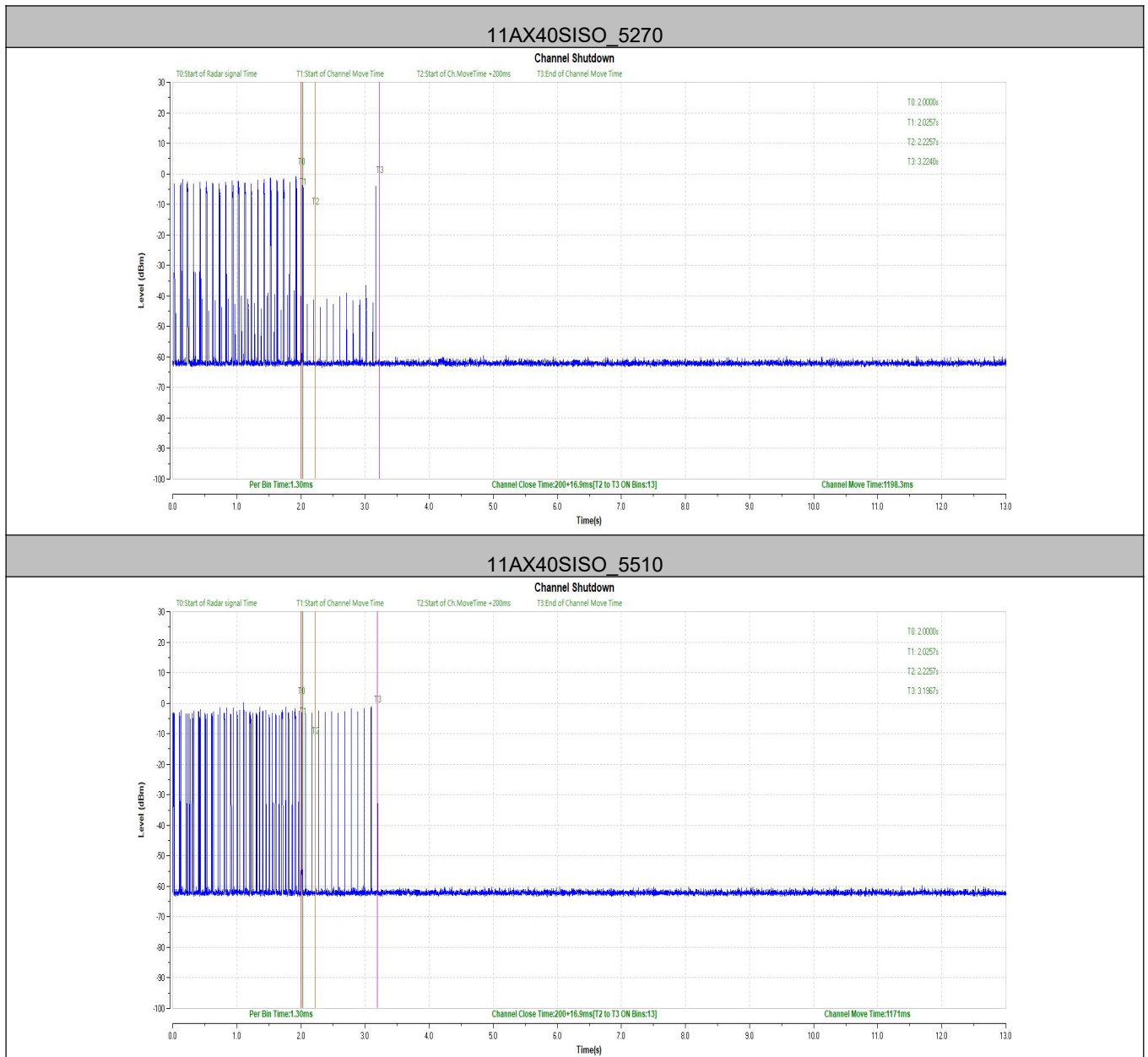
### 8.2 Test Result of Channel Closing Transmission and Channel Move Time

| TestMode   | Frequency[dbm] | Radar Type | Result | Limit[dbm] | Verdict |
|------------|----------------|------------|--------|------------|---------|
| 11AX40SISO | 5270           | Type0      | -62.20 | -62.00     | PASS    |
|            | 5510           | Type0      | -62.29 | -62.00     | PASS    |





| TestMode   | Frequency[MHz] | CCTT[ms] | Limit[ms] | CMT[ms] | Limit[ms] | Verdict |
|------------|----------------|----------|-----------|---------|-----------|---------|
| 11AX40SISO | 5270           | 200+16.9 | 200+60    | 1198.3  | 10000     | PASS    |
|            | 5510           | 200+16.9 | 200+60    | 1171    | 10000     | PASS    |



### PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No.CQASZ20241202754E for EUT external and internal photos.

\*\*\* END OF REPORT \*\*\*