



# TEST REPORT

**APPLICANT** : Xiamen Four-Faith Communication  
Technology Co., Ltd.

**PRODUCT NAME** : IoT RTU IP Camera

**MODEL NAME** : F-SC241

**BRAND NAME** : Four-Faith

**FCC ID** : 2A8OE-F-SC241

**STANDARD(S)** : 47 CFR Part 96.47

**RECEIPT DATE** : 2022-11-11

**TEST DATE** : 2022-11-11 to 2022-11-14

**ISSUE DATE** : 2022-11-21

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Change History		
Version	Date	Reason for change
1.0	2022-11-21	First edition



# 1. Technical Information

**Note:** Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	Xiamen Four-Faith Communication Technology Co., Ltd.
<b>Applicant Address:</b>	11th Floor, A-06 Area, No.370, Chengyi Street, Jimei District, Xiamen City, Fujian Province, China
<b>Manufacturer:</b>	Xiamen Four-Faith Communication Technology Co., Ltd.
<b>Manufacturer Address:</b>	11th Floor, A-06 Area, No.370, Chengyi Street, Jimei District, Xiamen City, Fujian Province, China

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	IoT RTU IP Camera
<b>Sample No.:</b>	3#
<b>Hardware Version:</b>	V1.0.1.0
<b>Software Version:</b>	FFIPC_11.1.0.6-r29



## 2. Summary Test Results and Description

### 2.1. Applied Reference Documents

Reference documents for testing:

Identity	Document Title
FCC Part 96	CITIZENS BROADBAND RADIO SERVICE
ANSI C63.26	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services
KDB 971168 D01	MEASUREMENT GUIDANCE FOR CERTIFICATION OF LICENSED DIGITAL TRANSMITTERS

### 2.2. Test Conditions

Test Environment Conditions:

<b>Relative Humidity:</b>	30%-75%
<b>Air Pressure:</b>	98kPa-102kPa
<b>Test Verdict:</b>	PASS (P) Not Performed (NP) Not Applicable (NA) F(Fail)

### 2.3. Test Results Lists

No.	Test Description	Result
Part96.47	End User Device Additional Requirements (CBSD Protocol)	P

### 2.4. Test Equipment list

Description	Series Number	Manufacture	Cal Due Date	Calibration Interval
Spectrum Analyzer	MY54170556	Keysight	2023-10-09	1 year



## Appendix A : Measurement Results

RUN#1

### A.1 End User Device Additional Requirement (CBSD Protocol)

#### A. 11 Measurement Limit

End user device additional requirements (CBSD Protocol) are tested per the test procedures listed below. During testing, the EUT is connected to a certified CBSD (Baicells pBS31010 FCC ID:2AG32PBS31010) as a companion device to show compliance with Part 96.47. End User Devices may operate only if they can positively receive and decode an authorization signal transmitted by a CBSD, including the frequencies and power limits for their operation. An End User Device must discontinue operations, change frequencies, or change its operation power level within 10 seconds of receiving instructions from its associated CBSD.

#### A.1.2 Measurement Method

The EUT was connected via an RF cable to a certified CBSD and spectrum analyzer

1.Run#1:

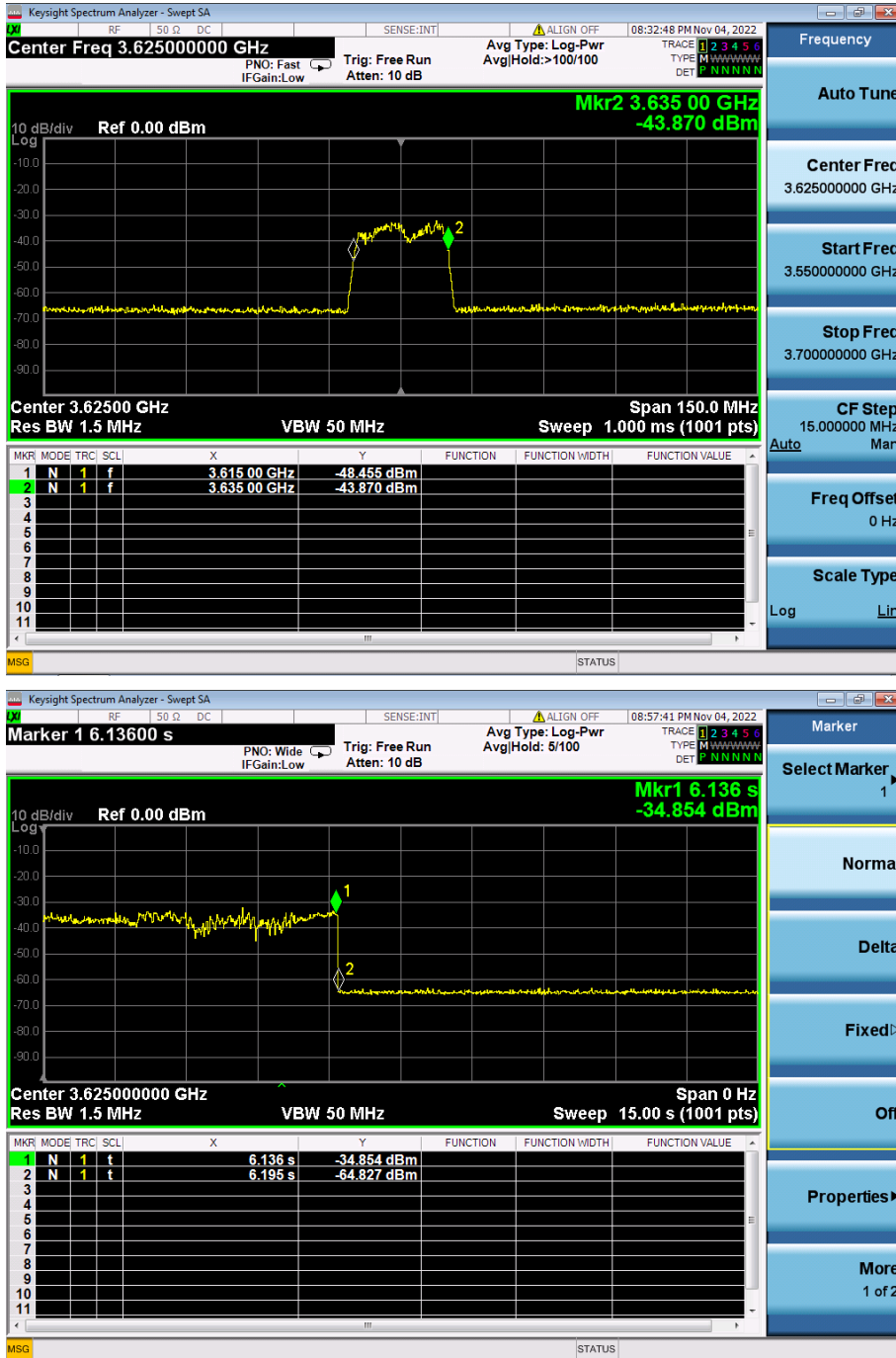
- a. Setup frequency with 3615MHz - 3635MHz
- b. Check EUT Tx frequency.
- c. Disable AP service and check EUT stop transmission within 10s.

2.Run#2:

- a. Setup frequency with 3660MHz - 3680MHz
- b. Check EUT Tx frequency.
- c. Disable AP service and check EUT stop transmission within 10s



Run#1



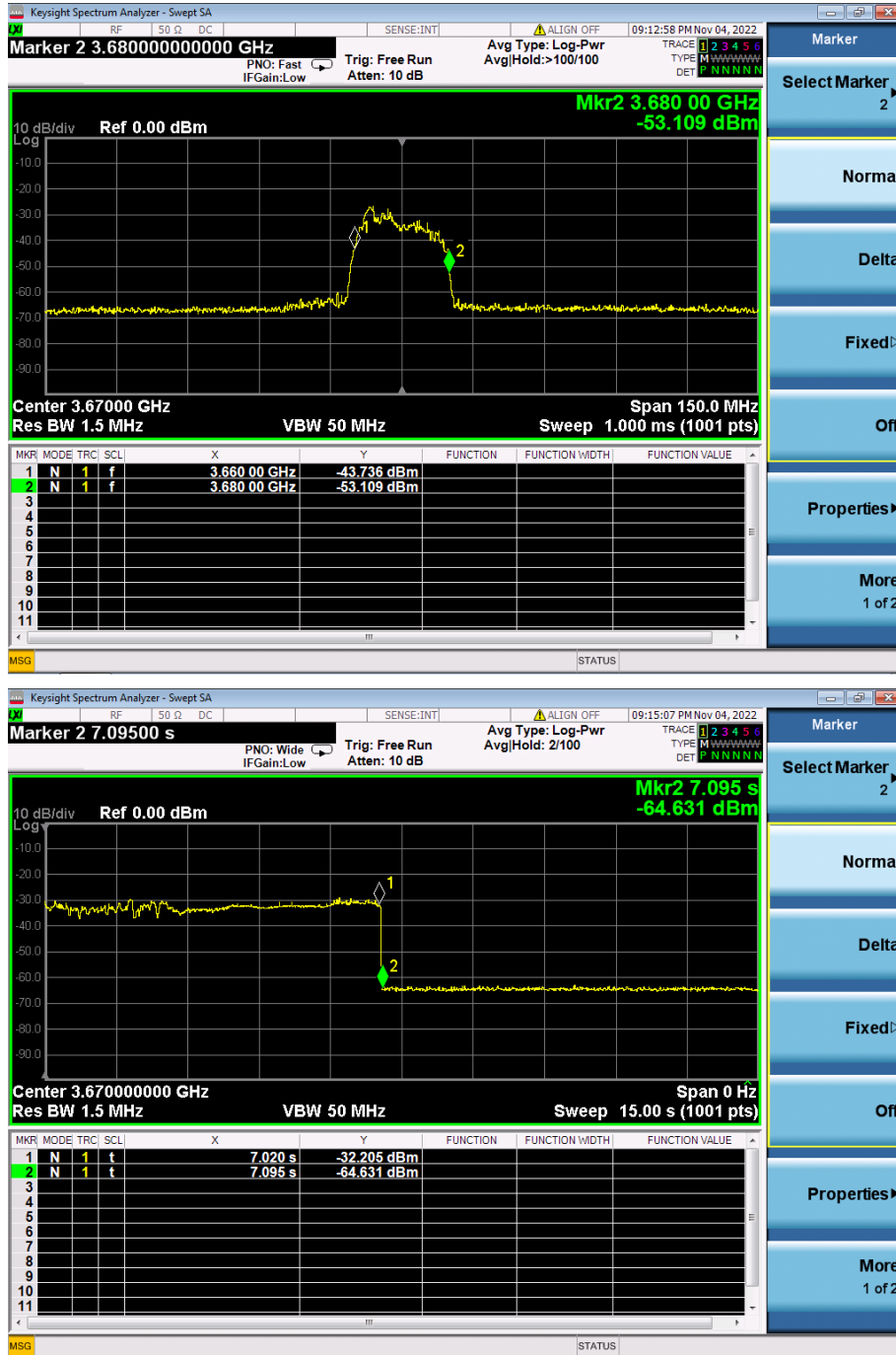
Note

Marker 1: CBSD sends instructions to discontinue LTE operations.

Marker 2: EUT discontinues operation



Run#2



Note

Marker 1: CBSD sends instructions to discontinue LTE operations.

Marker 2: EUT discontinues operation

END OF REPORT