

# FCC Part 96.47 TEST REPORT

**FCC ID** : UZ7ET45BA  
**Equipment** : Tablet  
**Brand Name** : Zebra  
**Model Name** : ET45BA  
**Applicant** : Zebra Technologies Corporation  
1 Zebra Plaza, Holtsville, NY 11742  
**Manufacturer** : Zebra Technologies Corporation  
1 Zebra Plaza, Holtsville, NY 11742  
**Standard** : FCC Part 96.47  
**RF Interface** : NR n48

The product was received on Jun. 27, 2022 and testing was performed from Jun. 28, 2022 to Jun. 29, 2022. We, Sporton International (USA) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (USA) Inc., the test report shall not be reproduced except in full.



Approved by: Neil Kao

**SPORTON INTERNATIONAL (USA) INC.**  
1175 Montague Expressway, Milpitas, CA 95035



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## History of this test report

| Report No.  | Version | Description                                                                                                                               | Issue Date    |
|-------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FG220606003 | 01      | Initial issue of report                                                                                                                   | Aug. 11, 2022 |
| FG220606003 | 02      | Revised the Applicable Standards for section 1.4<br>Revised the Test Procedure for section 3.2<br>Revised the Test Result for section 3.3 | Aug. 22, 2022 |
|             |         |                                                                                                                                           |               |
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|             |         |                                                                                                                                           |               |

## Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items                             | Result (PASS/FAIL) | Remark |
|---------------|-----------------|----------------------------------------|--------------------|--------|
| 3             | 96.47           | End User Device additional requirement | Pass               | -      |

**Conformity Assessment Condition:**

The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.

**Comments and Explanations:**

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature                 |                                                                                                                                                   |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment                       | Tablet                                                                                                                                            |
| Brand Name                      | Zebra                                                                                                                                             |
| Model Name                      | ET45BA                                                                                                                                            |
| FCC ID                          | UZ7ET45BA                                                                                                                                         |
| EUT supports Radios application | LTE/5G NR/NFC/GNSS<br>WLAN 11b/g/n HT20<br>WLAN 11a/n HT20/HT40<br>WLAN 11ac VHT20/VHT40/VHT80<br>WLAN 11ax HE20/HE40/HE80<br>Bluetooth BR/EDR/LE |
| HW Version                      | EV2-2                                                                                                                                             |
| SW Version                      | ET45USERDEBUG 11 11-10-12.00-RG-U00-PRD-GSE MXJ<br>release-keys                                                                                   |
| MFD                             | 12MAY22                                                                                                                                           |
| EUT Stage                       | Identical Prototype                                                                                                                               |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

| Specification of Accessories |            |       |            |           |
|------------------------------|------------|-------|------------|-----------|
| Battery                      | Brand Name | Zebra | Model Name | BT-000455 |

## 1.2 Modification of EUT

No modifications are made to the EUT during all test items.

### 1.3 Testing Laboratory

|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| Test Site          | SPORTON INTERNATIONAL (USA) INC.                                    |
| Test Site Location | 1175 Montague Expressway, Milpitas, CA 95035<br>TEL: (408) 904-3300 |
| Test Site No.      | <b>Sporton Site No.</b>                                             |
|                    | TH01-CA                                                             |
| Test Engineer      | David Hung                                                          |
| Temperature        | 23.5 °C                                                             |
| Relative Humidity  | 45 %                                                                |

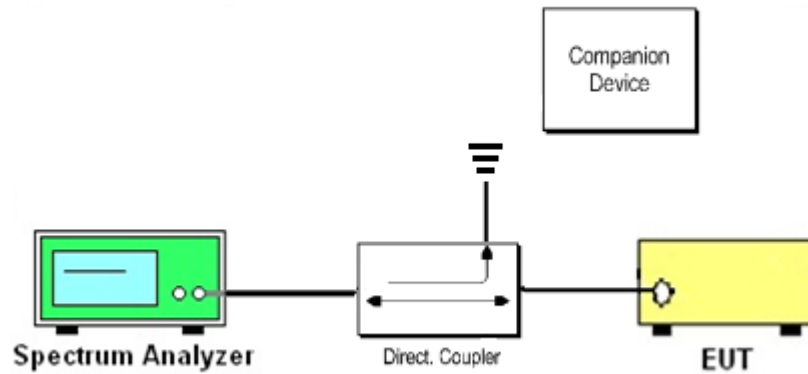
### 1.4 Applicable Standards

- ♦ FCC Part 96.47
- ♦ FCC KDB 940660 D01 Part 96 CBRS Eqpt v03
- ♦ WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification

**Remark:** All test items were verified and recorded according to the standards and without any deviation during the test.

## 2 Test Configuration of Equipment Under Test

### 2.1 Connection Diagram of Test System



The companion device is certified NR CBSD (FCC ID: PIDAS2900)

### **3 End User Device additional requirement**

#### **3.1 Test Requirement**

FCC Part 96.47

(a) 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.

(1) An End User Device must discontinue operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD.

#### **3.2 Test Procedure**

Following procedure can be done by applying WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification, use the certified Airspan NR CBSD (FCC ID: PIDAS2900) as companion device to show compliance with Part 96.47 requirement for End User Device (EUD):

1. Setup with frequency 3570-3590MHz and power level 34dBm/MHz
2. Enable CBSD service from Airspan ACP management
3. Check EUD Tx Frequency and power
4. Disable CBSD service from Airspan ACP management
  - a. Check EUD stops transmission within 10seconds.
5. Setup with frequency 3670-3690MHz and power level 24dBm/MHz
6. Enable CBSD service from Airspan ACP management
7. Check EUD Tx Frequency and power
8. Disable CBSD service from Airspan ACP management
  - a. Check EUD stops transmission within 10seconds.

### 3.3 Test Result

[Step 1] Setup with frequency 3570-3590MHz and power level 34dBm/MHz

[Step 3] Check EUD Tx Frequency and power



19:21:27 28.06.2022

[Step 4.a.] EUD stops transmission within 10 seconds of receiving instructions from its associated CBSD.



19:23:29 28.06.2022

[Step 5] Setup with 3670-3690MHz & power level 24dBm/MHz

[Step 7] Check EUD Tx Frequency and power



18:57:45 28.06.2022

[Step 8.a.] After changing the frequency and power level,

The module (EUT) discontinues operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD. Test result is PASS.



18:59:55 28.06.2022



## 4 List of Measuring Equipment

| Instrument        | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date                      | Due Date      | Remark  |
|-------------------|--------------|-----------|------------|-----------------|------------------|--------------------------------|---------------|---------|
| Spectrum Analyzer | R&S          | FSW43     | 104042     | 2Hz~43GHz       | Nov. 18, 2021    | Jun 28, 2022 ~<br>Jun 29, 2022 | Nov. 17, 2022 | TH01-CA |