**PAE**
PTCRB AWARD
OF EXCELLENCE

# TEST REPORT

## Integrated Device

**Test of:**
**Blues Inc. – NOTE-NBGLN**

**To:**
**Conformance Test Cases (NAPRD03 V6.10)**

**Test Report Serial No: PC471902**
**Test Report Version: Rev. 01**
**PTCRB Request No: 126625**

**Issue Date: 11 December 2024**

<u>**Declaration by Test Laboratory**</u>

**The GERAN and E-UTRA testing performed and shown in this report by Sporton International Inc. Mobile Communications Laboratory was conducted as per the requirements of the PTCRB (PCS Type Certification Review board).**

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Nita Huang

Ryan Chen

_____
Project Manager

_____
Technical Manager / Reviewer

**Sporton International Inc.**
**Mobile Communications Laboratory**

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## Revision History

| Report Number | Revision | Description | Issue Date |
|---|---|---|---|
| PC471902 | Rev. 01 | Initial Version | 11 December 2024 |
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**Mobile Communications Laboratory**

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**To:**   **Conformance Test Cases (NAPRD03 V6.10)**

# 1  Details of Test

## 1.1  Branding Manufacturer – Applicant

| | |
|---|---|
| **Address:** | Blues Inc.<br>50 Harbor Street Manchester, MA 01944 United States |
| **Contact Name:** | Rob Yomtov<br>ryomtov@blues.com |

Note 1: Applicant is the company applying for the certification and should be same as "manufacturer" on the GCF or PTCRB database.

Note 2: Applicant is considered as the owner of the test report if no other statement.

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## 1.2  Test Lab of Report Issue

| | |
|---|---|
| **Address:** | Sporton International Inc.<br>Mobile Communications Laboratory<br>No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) |
| **Contact Name:** | Mr. Hendry Yang, Laboratory Manager |
| **TAF Lab Code:** | 1533 |

## 1.3  Location of Test

### 1.3.1  Test Location

| | |
|---|---|
| **Address:** | Sporton International Inc.<br>Mobile Communications Laboratory<br>No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) |
| **Contact Name:** | Mr. Hendry Yang, Laboratory Manager |
| **TAF Lab Code:** | 1533 |

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## 1.4 Test Environment

| Testing Start Date: | 11 September 2024 |
|---|---|
| Testing End Date: | 15 November 2024 |

| Environmental Data: | Temperature (°C) | Humidity (%) |
|---|---|---|
| Ambient Condition | 21~31 | 27~60 |
| Maximum Extreme | +55 | N.A. |
| Minimum Extreme | -10 | N.A. |

**Integrated Device Supply Voltage**

| Maximum Extreme Supply Voltage (V d.c.): | 5.5 |
|---|---|
| Normal Supply Voltage (V d.c.): | 5.0 |
| Minimum Extreme Supply Voltage (V d.c.): | 2.5 |

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# 2 Details of Equipment under Test

## 2.1 Final Equipment Build Status

The following is the build status for which compliance has been demonstrated by test and declaration

The insertion loss from the antenna cable and/or connector from the EUT is provided by the manufacturer, Sporton International Inc. does not guarantee the accuracy of the values.

### 2.1.1 Product Build Status

| | |
|---|---|
| **Model Name:** | NOTE-NBGLN |
| **Product type:** | Notecard |
| **RAN (Radio Access Network):** | GERAN / E-UTRA |
| **Hardware Version:** | 2 |
| **Software Version:** | 7 |
| **SVN (Software Version Number):** | 03 |

Product Operation band(s) please reference to section Key Features Supported.

### 2.1.2 Module Build Status

| | |
|---|---|
| **Manufacturer Name:** | Quectel |
| **Model Name:** | BG95-M3 |
| **RAN (Radio Access Network):** | GERAN / E-UTRA |
| **GERAN Operating Band(s)** | E-GSM900 / DCS1800 / PCS1900 / GSM850 |
| **E-UTRA Operating Band(s)** | FDD1 / FDD2 / FDD3 / FDD4 / FDD5 / FDD8 / FDD12 / FDD13 / FDD18 / FDD19 / FDD20 / FDD25 / FDD26 / FDD27 / FDD28 / FDD66 / FDD71 / FDD85 |
| **Hardware Version:** | R2.1 |
| **Software Version:** | BG95M3LAR02A03 |
| **SVN (Software Version Number):** | 03 |

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### 2.1.3  Key Features Supported

The following Table defines the key features supported in the device.

| Feature | Supported | Release/Comments |
|---|---|---|
| **RAN** | Y | GERAN / E-UTRA |
| **GERAN Operating Band(s)** | Y | E-GSM900 / DCS1800 / PCS1900 / GSM850 |
| **E-UTRA Operating Band(s)** | Y | FDD1 / FDD2 / FDD3 / FDD4 / FDD5 / FDD8 / FDD12 / FDD13 / FDD18 / FDD19 / FDD20 / FDD25 / FDD26 / FDD27 / FDD28 / FDD66 / FDD71 / FDD85 |
| **GPRS Multi-Slot Class** | Y | 33 |
| **EGPRS Multi-Slot Class** | Y | 33 |
| **E-UTRA DL Category** | Y | Cat M1&NB2 |
| **E-UTRA UL Category** | Y | Cat M1&NB2 |

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### 2.2 Identification of Samples Tested

The following summary may be used to identify the samples referenced in the test summary and any declared hardware or software modifications. Where modifications have been made, conformance has been demonstrated by regression testing declared by the manufacturer.

| Sample Reference | IMEI | Hardware Version | Software Version | Date of Receipt | Note |
|---|---|---|---|---|---|
| 01.01.01 | 864593051358520 | Host: 2￼Module: R2.1 | Host: 7￼Module:￼BG95M3LAR02A03 | 11-Sep-24 | — |

**Description of Sporton Reference sample number**

**E.g. 02.01.03**

| **02** – Sample Identification | **01** - Hardware Version | **03** - Software Version |
|---|---|---|

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## 2.3 Description of Product

The EUT (Equipment Under Test) is a Notecard, operating in GERAN / E-UTRA bands listed in Section 2.1.3.

## 2.4 Generation of Conformance Test Plan

The following route has been chosen by the manufacturer to demonstrate compliance.

### 2.4.1 Module Integration Certification

Testing based on and according to the information supplied within the device integration information to:

NAPRD03 V6.10

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### 2.5  Support Equipment

The following support equipment was used to exercise the EUT during testing.

| Description | Power Cable and Power Supply |
|---|---|
| **Manufacturer Name** | None stated |
| **Model Name or Number** | None stated |
| **Serial Number** | None stated |

| Description | Test Jig ; modular jig and fixture |
|---|---|
| **Manufacturer Name** | None stated |
| **Model Name or Number** | None stated |
| **Serial Number** | None stated |

| Description | RF Cable |
|---|---|
| **Manufacturer Name** | None stated |
| **Model Name or Number** | None stated |
| **Serial Number** | None stated |

| Description | AC Charger |
|---|---|
| **Manufacturer Name** | None stated |
| **Model Name or Number** | None stated |
| **Serial Number** | None stated |

| Description | USB Cable |
|---|---|
| **Manufacturer Name** | None stated |
| **Model Name or Number** | None stated |
| **Serial Number** | None stated |

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## 3  Reference Documents

Testing was performed according to the following reference documents and standards applicable to the EUT.

| Document | Title |
|---|---|
| NAPRD03 V6.10 | Overview of PCS Type certification review board (PTCRB) Mobile Equipment Type Certification and IMEI control |
| 3GPP TS 51.010-1 | 3rd Generation Partnership Project; Technical Specification Group GERAN/EDGE Radio Access Network; Digital cellular telecommunications system (Phase 2+); Mobile Station (MS) conformance specification; Part 1: Conformance specification |
| 3GPP TS 51.010-4 | 3rd Generation Partnership Project; Technical Specification Group GERAN/EDGE Radio Access Network; Digital cellular telecommunications system (Phase 2+); Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit Conformance specification |
| 3GPP TS 36.521-1 | 3rd Generation Partnership Project; LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: Conformance testing |
| 3GPP TS 36.523-1 | 3rd Generation Partnership Project; LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification |
| 3GPP TS 36.124 | 3rd Generation Partnership Project; Evolved Universal Terrestrial Radio Access (E-UTRA); Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment |
| ETSI TS 102 230-1 | Smart cards; UICC-Terminal interface; Physical, electrical and logical test specification Part 1: Terminal features |

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## 4  Test Results

### 4.1  Result Summary

The following table summarizes the test results obtained. A definition of the result categories may be found at the end of the result tables.

| TOTAL RELEVANT TEST CASES PERFORMED | 22 |
|---|---|

|  | GERAN | UICC | E-UTRA |
|---|---|---|---|
| **PASS** | 2 | 9 | 11 |
| **FAIL** | 0 | 0 | 0 |
| **Total** | 2 | 9 | 11 |

### 4.2  Tests Performed

The following tables reflect the requirements of the relevant specification and show the tests performed. Result files verifying these verdicts are available for inspection at Sporton International Inc. Mobile Communications Laboratory.

Where subcontracting has been performed these results are not covered by Sporton International Inc. Mobile Communications Laboratory's accreditation.

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### 4.2.1  Test Results for GERAN

| SPEC | TCID | TITLE | BAND_CONDITION | BAND | CATEGORY | RESULT | EUT | NOTE |
|---|---|---|---|---|---|---|---|---|
| 3GPP TS 51.010-1 | 12.2.2 | Radiated spurious emissions, MS in idle mode | 1800 | All | A | Pass | 01.01.01 | — |
| 3GPP TS 51.010-1 | 12.2.2 | Radiated spurious emissions, MS in idle mode | 900 | All | A | Pass | 01.01.01 | — |

### 4.2.2  Test Results for UICC

| SPEC | TCID | TITLE | BAND_CONDITION | BAND | CATEGORY | RESULT | EUT | NOTE |
|---|---|---|---|---|---|---|---|---|
| ETSI TS 102 230-1 | 5.1.1 | Phase preceding Terminal power on | NI | Single | A | Pass | 01.01.01 | — |
| ETSI TS 102 230-1 | 5.1.2.2 | Phase during UICC power on: 1,8 V - 3 V | NI | Single | A | Pass | 01.01.01 | — |
| ETSI TS 102 230-1 | 5.1.3.2 | Phase during Terminal power off: 1,8 V - 3 V | NI | Single | A | Pass | 01.01.01 | — |
| ETSI TS 102 230-1 | 5.1.5.3 | Reaction of 1,8 V technology Terminals on type recognition of 1,8 V technology UICCs | NI | Single | A | Pass | 01.01.01 | — |
| ETSI TS 102 230-1 | 5.2.2.3 | Electrical tests on contact C1, Test 1: 1,8 V - 3 V | NI | Single | A | Pass | 01.01.01 | — |
| ETSI TS 102 230-1 | 5.2.2.4 | Electrical tests on contact C1, Test 2: 1,8 V - 3 V | NI | Single | A | Pass | 01.01.01 | — |
| ETSI TS 102 230-1 | 5.2.3.2 | Electrical tests on contact C2: 1,8 V - 3 V | NI | Single | A | Pass | 01.01.01 | — |
| ETSI TS 102 230-1 | 5.2.4.2 | Electrical tests on contact C3: 1,8 V - 3 V | NI | Single | A | Pass | 01.01.01 | — |
| ETSI TS 102 230-1 | 5.2.5.3 | Electrical tests on contact C7, Test 1: 1,8 V - 3 V | NI | Single | A | Pass | 01.01.01 | — |

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### 4.2.3  Test Results for E-UTRA

| SPEC | TCID | TITLE | BAND_CONDITION | BAND | CATEGORY | RESULT | EUT | NOTE |
|------|------|-------|----------------|------|----------|--------|-----|------|
| 3GPP TS 36.124 | 8.2 | Radiated emission (Traffic mode) | FDD 12 | All | A | Pass | 01.01.01 | — |
| 3GPP TS 36.124 | 8.2 | Radiated emission (Traffic mode) | FDD 12 | All | A | Pass | 01.01.01 | — |
| 3GPP TS 36.124 | 8.2 | Radiated emission (Traffic mode) | FDD 13 | All | A | Pass | 01.01.01 | — |
| 3GPP TS 36.124 | 8.2 | Radiated emission (Traffic mode) | FDD 25 | All | A | Pass | 01.01.01 | — |
| 3GPP TS 36.124 | 8.2 | Radiated emission (Traffic and Idle mode) | FDD 66 | All | A | Pass | 01.01.01 | — |
| 3GPP TS 36.124 | 8.2 | Radiated emission (Traffic mode) | FDD 66 | All | A | Pass | 01.01.01 | — |
| 3GPP TS 36.124 | 8.2 | Radiated emission (Traffic mode) | FDD 71 | All | A | Pass | 01.01.01 | — |
| 3GPP TS 36.124 | 8.2 | Radiated emission (Traffic mode) | FDD 85 | All | A | Pass | 01.01.01 | — |
| 3GPP TS 36.124 | 8.2 | Radiated emission (Traffic mode) | FDD 85 | All | A | Pass | 01.01.01 | — |
| 3GPP TS 36.523-1 | 22.5.2 | NB-IoT / NAS Security / Handling of null integrity protection and null ciphering algorithms / NAS count reset to zero / Security mode command with not matching replayed security capabilities / Provision of IMEISV and IMEI | FDD 4 | Single | A | Pass | 01.01.01 | — |
| 3GPP TS 36.523-1 | 9.1.4.2 | Identification procedure / IMEI / IMEISV requested | FDD 4 | Single | A | Pass | 01.01.01 | — |

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## 4.3 Key to Result Codes

The following codes are used in the table of results.

| Code | Meaning |
|------|---------|
| PASS | Test result shows that the requirements of the relevant specification have been met. |
| FAIL | Test result shows that the requirements of the relevant specification have not been met. |
| NA | Test is either not required/not applicable in the specified frequency band or is not applicable according to the specific PICS/PIXIT for the equipment under test. |

## 4.4 Key to Tested Bands Code

The following codes are used in the table of results.

| Code | Meaning |
|------|---------|
| Single | Test case is required to be completed in one of the supported frequency bands. |
| All | Test case is required to be completed in all supported frequency bands. |
| Network Independent | A test case which is validated without the use of a radio access bearer |
| Bearer Agnostic | A test case which is independent of the radio access bearer or frequency band used during the test |
| I-RAT Single | An InterRAT test case that should be tested in a single band combination. |
| multi | indicates that a band combination is required, e.g. GSM1900/850 MHz bands. |
| Blank | indicates that the test does not require a bearer |

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## 5  Test Equipment

Conformance testing was performed using test equipment calibrated in accordance with Taiwan Accreditation Foundation accreditation requirements. Calibration, configuration records and equipment details used for conformance testing are available in Annex A.

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# 6  People performing Accredited Testing

Bob Zhu
Jay Wang
Kyle Chuang

**Sporton International Inc.**
**Mobile Communications Laboratory**

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## Annex A – Test Equipment Configuration Information

The following information details the configuration of the test equipment used in assessing the conformance of this product.

# 1 Test Equipment

Conformance testing was performed using test equipment calibrated in accordance with TAF accreditation requirements. Calibration, configuration records and equipment details used for conformance testing are available for inspection at Sporton International Inc., if required.

## 1.1 TP92/97/99/292/299 - Rohde & Schwarz CMW500

| Test Platform Info | | TP092 – CMW500<br>TP097 – R&S CMW-ATE<br>TP099 – R&S TS-LBS<br>TP292 – R&S CMX<br>TP299 – R&S 5G TS-LBS | | |
|---|---|---|---|---|
| **Hardware Info** | | **Devices List** | | |
| **Manufacturer** | **Model Info** | **Description** | **Serial Number** | **Calibration Due Date** |
| Rohde & Schwarz | CMW500 | Wideband Radio Communication Tester | 171450 | 09-Sep-26 |
| Rohde & Schwarz | CMW500 | Wideband Radio Communication Tester | 171451 | 09-Sep-26 |
| Rohde & Schwarz | CMW500 | Wideband Radio Communication Tester | 171668 | 31-May-25 |
| Rohde & Schwarz | CMW500 | Wideband Radio Communication Tester | 170098 | 14-Mar-25 |
| Rohde & Schwarz | NRP-Z21 | Average Power Sensor | 104487 | 14-Aug-26 |
| Rohde & Schwarz | SMBV100B | Vector Signal Generator | 104616 | 24-Mar-27 |
| Rohde & Schwarz | SMBV100B | Vector Signal Generator | 102464 | 27-Mar-27 |
| Rohde & Schwarz | NGMO1 | DC Power Supply | 101034 | 19-Aug-25 |
| Rohde & Schwarz | CMW-RF88 | CMW-RF88 SWITCHABLE RF | 101156 | NCR |
| Rohde & Schwarz | CMW-Z24 | RF Combiner | 101691 | NCR |
| Rohde & Schwarz | CMWC | Control Unit | 101299 | NCR |
| Rohde & Schwarz | CMWC | Control Unit | 103252 | NCR |
| Rohde & Schwarz | CMX500 | 5G Radio Communication Tester | 101578 | NCR |
| Rohde & Schwarz | CMX500 | 5G Radio Communication Tester | 101865 | 04-Jun-26 |
| Dell | TSCTRLPC1 | Control PC for Test System | 101502 | NCR |
| Dell | Precision 5820 | Control PC | USNR8TU | NCR |
| **Software Version CMW500** | **Operation System** | | | |
| | Windows XP Embedded Service Pack 3 | | | |
| | **Platform Software** | | | **Version** |
| | CMW-BASE | | | 3.7.150 |
| | CMW-DAU Support SW | | | 3.7.50 |
| | CMW-PTLI | | | 3.7.25 |
| | CMW-LICENSE_PROXY | | | 9.30.3.3 |
| | MCT-TC-EXPLORER | | | 4.51.4.0 |
| | CMW-TOOLS | | | 10.22.1.0 |
| **Software Version CMW-CU** | **Operation System** | | | |
| | Microsoft Windows Embedded Standard 7 | | | |
| | **Software Modules** | | | **Version** |
| | KC201, KC202, KC203, KC204, KC205, KC206, KC207, KC211, KC215, KC221, KC222, KC223, KC231, KC233, KC241, KC280 | | | 3.0, 3.1, 3.2, 3.3, 3.4, 3.10, 3.11, |
| | KC401, KC402, KC404, KC405, KC406, KC408, KC420, KC421, KC422, KC423, KC424, KC425, KC428, KC429, KC430, KC432, KC433, KC434, KC435, KC436, KC437, KC439, KC441, KC442, KC443 | | | 20.49, 20.25, 21.12, 23.48 |
| | KC501, KC502, KC503, KC504, KC506, KC508, KC509, KC510, KC511, KC512, KC514, KC515, KC516, KC517, KC518, KC519, KC520, KC521, KC522, KC523, KC524, KC535, KC540, KC541, KC542, KC543, KC544, KC549, KC551, KC552, KC553, KC554, KC556, KC558, KC559, KC560, | | | 20.25, 20.43, 21.12, 21.49, 22,12, 22.23, 23.24, 24.12 |

| | | |
|---|---|---|
| | KC563, KC564, KC565, KC566, KC568, KC569. KC571, KC572, KC573, KC576, KC585, KC590, KC591, KC592, KC593 | |
| | CMW-KK081(LPPe) | 33.61.396 |
| | KC601, KC602, KC603, KC604, KC611, KC612, KC613, KC614, KC615, KC621, KC630, KC634, KC636 | 23.37, 24.12, 24.24, 24.37 |
| **Software Version TSCTRLPC1** | **Operation System** | |
| | Windows 7 64bit | |
| | **Software Modules** | **Software Modules** |
| | CMW-KAC01 | 5.60 |
| | CMW-KAC06 | 5.50 |
| | CMW-KAC12 | 5.30 |
| | RS-PQA-Throughput | 7.7 |
| | Setup_PQA_App | 7.7 |
| | CMW-LICENSE_PROXY | 9.52.2.0 |
| | CONTEST-BASE | 19.4.1, 18.9, |
| | R&S LBS KCL001, KCL005, KCL006, KCL008, KCL011, KCL015, KCL016, KCL401, KCL402, KCL501, KCL502 | 11.50 |
| | R&S LPP KC535, KC585 | 23.37, 22.23 |
| | R&S LBS 5G KC111, KC112, KC151 | 18.20 |
| | R&S LPP 5G, KC131 | 23.24 |

## 1.2 TP118/151 - COMPRION UT³ Platform - SWP/HCI/GSMA TS.27/USAT

| Test Platform Info | | TP118/TP151 - COMPRION UT³ Platform - SWP/HCI/GSMA TS.27/USAT | | |
|---|---|---|---|---|
| **Hardware Info** | | COMPRION UT³ v3.0 | | |
| | | **Equipment List** | | |
| **Manufacturer** | **Model Info** | **Description** | **Serial Number** | **Calibration Due Date** |
| Comprion | UT³ Test System | Control PC | 40066 | NCR |
| Comprion | UT³ Probe | UT³ APR v2.0 | 45177 | 10-Jul-25 |
| Anritsu | MD8475A | Signaling Tester | 6201357747 | 25-Apr-25 |
| **Software Version** | ***UT³ Test System*** | **Operation System** | | |
| | | Windows 10 Enterprise LTSC | | |
| | | **Platform Software** | | **Version** |
| | Device Test Center | | | R8.1 |
| | COMPRION SIMfony MD8475A Network Simulation Controller | | | R8.1.0 |
| | | **Software Modules** | | **Version** |
| | UT³ 3GPP TS 31.124 USAT Test Bench Stage 2A | | | 2.6 |
| | UT³ 3GPP TS 31.124 USAT Test Bench Stage 3A | | | 2.4 |
| | UT³ ETSI TS 102 695-1 HCI Test Bench Stage 1 | | | 5.9 |
| | UT³ ETSI TS 102 695-1 HCI Test Bench Stage 2 | | | 5.9 |
| | UT³ ETSI TS 102 695-1 HCI Test Bench Stage 3 | | | 5.9 |
| | UT³ ETSI TS 102 695-1 HCI Test Bench Stage 4 | | | 5.9 |
| | UT³ ETSI TS 102 695-1 HCI Test Bench Stage 5 | | | 5.9 |
| | UT³ ETSI TS 102 694-1 SWP Test Bench Stage 1 | | | 5.9 |
| | UT³ ETSI TS 102 694-1 SWP Test Bench Stage 2 | | | 5.9 |
| | UT³ ETSI TS 102 694-1 SWP Test Bench Stage 3 | | | 5.9 |
| | UT³ ETSI TS 102 694-1 SWP Test Bench Stage 4 | | | 5.9 |
| | UT3 GlobalPlatform SEAC Device Test Bench Stage 1 | | | 3.0.1 |
| | UT3 GSMA TS 27 Android Specific Test Bench Stage 1 | | | 3.0 |
| | UT3 GSMA TS 27 Android Specific Test Bench Stage 1A | | | 3.0.1 |
| | UT3 GSMA TS 27 Android Specific Test Bench Stage 1B | | | 3.0.1 |
| | UT3 GSMA TS 27 Android Specific Test Bench Stage 1C | | | 3.0 |
| | UT3 GSMA TS 27 BIP Test Bench Stage 1 | | | 2.6 |
| | UT3 GSMA TS 27 BIP Test Bench Stage 2 | | | 2.6 |
| | UT3 GSMA TS 27 BIP Test Bench Stage 3 | | | 2.6 |
| | UT3 GSMA TS 27 BIP Test Bench Stage 4 | | | 2.6 |
| | UT3 Remote Management Test Bench Stage 1 | | | 2.6 |
| | UT3 GSMA TS 27 Card Emulation Test Bench Stage 1 | | | 3.0.1 |
| | UT3 GSMA TS 27 Card Emulation Test Bench Stage 1A | | | 3.0.1 |
| | UT3 GSMA TS 27 General Device Support Test Bench Stage 1 | | | 3.0 |
| | UT3 GSMA TS 27 Multiple Card Emulation Environment Test Bench Stage 1 | | | 3.0.1 |
| | UT3 GSMA TS 27 NFC Tags Test Bench Stage 1 | | | 3.0 |
| | UT3 GSMA TS 27 NFC Tags Test Bench Stage 1A | | | 3.0 |

| | | |
|---|---|---|
| UT3 GSMA TS 27 NFC Tags Test Bench Stage 2 | | 3.0 |
| UT3 GSMA TS 27 Secure Element Access API Test Bench Stage 1 | | 3.0.1 |
| UT3 GSMA TS 27 Secure Element Access Control Test Bench Stage 1 | | 3.0 |
| UT3 GSMA TS 27 SWP Stress Test Test Bench Stage 1 | | 3.0 |
| UT3 GSMA TS 27 UI Application Triggering Test Bench Stage 1 | | 3.0 |
| UT3 SIMalliance OMAPI Test Bench Stage 1 | | 3.0.1 |
| UT3 SIMalliance OMAPI Test Bench Stage 1A | | 3.0.1 |
| UT3 SIMalliance OMAPI Test Bench Stage 1B | | 3.0.1 |
| ***MD8475A*** | **Operation System** | |
| | Windows XP Professional SP3 | |
| **Signaling Tester Software** | | **Version** |
| COMPRION MD8475A 3GPP TS 31.124 USAT USS Set 4 | | R8.1.0 |
| COMPRION MD8475A BIP Set 1 | | R8.1.0 |
| COMPRION MD8475A BIP Set 2 | | R8.1.0 |
| COMPRION MD8475A BIP Set 3 | | R8.1.0 |
| COMPRION MD8475A BIP Set 4 | | R8.1.0 |
| COMPRION MD8475A Remote Management Set 1 | | R8.1.0 |

## 1.3 Radiated Spurious Emission — RF8604

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Due Date | Remark |
|---|---|---|---|---|---|---|---|
| Signal Analyzer | R&S | FSV3044 | 101247 | 10Hz~44GHz | May. 23, 2024 | May. 22, 2025 | Radiation (05CH02-HY) |
| Base Station | Agilent | E5515C | MY48364121 | GSM/GPRS/WCDMA | Aug. 11, 2024 | Aug. 10 2025 | Radiation (05CH02-HY) |
| Bilog Antenna | Schaffner | CBL6112B | 2892 | 25MHz ~ 2GHz | Oct. 05, 2024 | Oct. 04, 2025 | Radiation (05CH02-HY) |
| Preamplifier | Keysight | 83017A | MY57280138 | 1GHz ~ 26.5GHz | Oct. 11, 2024 | Oct. 10, 2025 | Radiation (05CH02-HY) |
| Base Station | Anritsu | MT8821C | 6201107507 | FDD/TDD/NB-IoT/Cat-M1/SEQ | Feb. 01, 2024 | Jan. 31, 2025 | Radiation (05CH02-HY) |
| Hygrometer | Testo | 608-H1 | 34913904 | N/A | Aug. 09, 2024 | Aug. 08, 2025 | Radiation (05CH02-HY) |
| Horn Antenna | ESCO | 3117 | 00143261 | 1GHz~18GHz | Feb. 29, 2024 | Feb. 28, 2025 | Radiation (05CH02-HY) |
| Preamplifier | Langer | EM330 | 060364 | 100kHz~3GHz | Oct. 07, 2024 | Oct. 06, 2025 | Radiation (05CH02-HY) |
| Antenna Mast | INN-CO | MM 3000 | N/A | 1m~2m | N/A | N/A | Radiation (05CH02-HY) |
| Turn Table | INN-CO | DS2000 | 520604 | Deg 0~ 360 | N/A | N/A | Radiation (05CH02-HY) |
| software | AUDIX | e3 210616 sporton | RK-002309 | N/A | N/A | N/A | Radiation (05CH02-HY) |
| Preamplifier | Jet-Power | JPA00101800-30-10P | 1601180001 | 1GHz~18GHz | Jul. 15, 2024 | Jul. 14,2025 | Radiation (05CH02-HY) |

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To:          **Conformance Test Cases (NAPRD03 V6.10)**
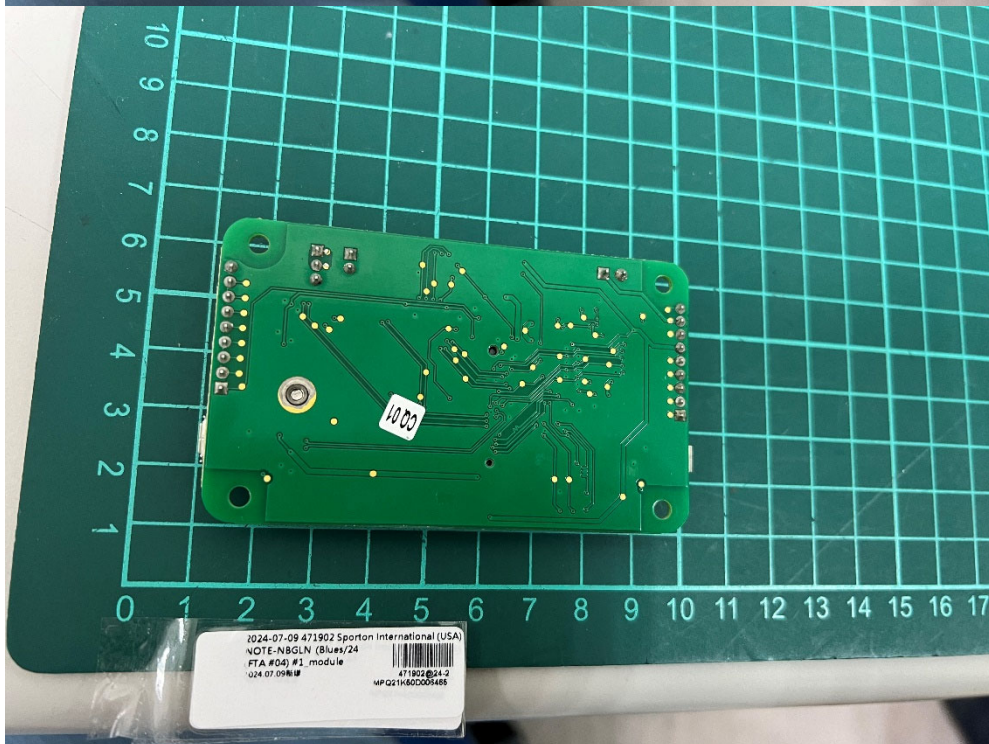
## Annex B – PICS Proforma

The following PICS information was supplied by the client, and was used for conformance testing.

**ETSI TS 102 230-1**

| Item | Description | Mnemonic | Value |
|------|-------------|----------|-------|
| A.1/3 | Class A | O_CLASS_A | FALSE |
| A.1/4 | Class B | O_CLASS_B | TRUE |
| A.1/5 | Class C | O_CLASS_C | TRUE |
| A.1/6 | Compliant to ETSI TS 121 111 [3] | O_COMP_121_111 | TRUE |
| A.1/7 | Low impedance buffer | O_LIB | FALSE |
| A.1/8 | SWP interface | O_SWP | TRUE |

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## Annex C – EUT Photographs





~ End of Report ~