

FCC PART 22H, 24E
MEASUREMENT AND TEST REPORT

For

Enet Times Technology Co., Ltd.

Unit 24F, BlockC, World Trade Plaza, Fuhong Road,
Shenzhen, Guangdong, China

FCC ID: YZQU3

| | |
|--|--|
| Report Type: Class II Permissive Change | Product Type: GSM Mobile Phone |
| Test Engineer: Alvin Huang <i>Alvin Huang</i> | |
| Report Number: RSZA11032902 | |
| Report Date: 2011-04-11 | |
| Merry Zhao <i>Merry Zhao</i> | |
| Reviewed By: EMC Engineer | |
| Prepared By: Bay Area Compliance Laboratories Corp. (Shenzhen) 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China Tel: +86-755-33320018 Fax: +86-755-33320008 | |

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. This report **must not** be used by the customer to claim product certification, approval, or endorsement by NVLAP*, NIST, or any agency of the Federal Government.

* This report contains data that are not covered by the NVLAP accreditation and are marked with an asterisk "★" (Rev.2)

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *Enet Times Technology Co., Ltd.*'s product, model number: *U3 (FCC ID: YZQU3)* or the "EUT" as referred to in this report is a *GSM Mobile Phone*, which measures approximately: 10.1 cm (L) x 4.4 cm (W) x 1.2 cm (H), rated input voltage: DC 3.7 V battery.

**Note: The serial product, model U3, U3+, U30, ULC3, ULC3+, TM23 and TM23+ are electrically identical. They are just named differently due to marketing purposes, We select U3 to test, which were explained in the attached declaration letter.*

All measurement and test data in this report was gathered from production sample serial number: 1103065 (Assigned by BACL, Shenzhen). The EUT was received on 2011-03-29.

Objective

This type approval report is prepared on behalf of *Enet Times Technology Co., Ltd.* in accordance with Part 2, Subpart J, Part 22 Subpart H, and Part 24 Subpart E of the Federal Communication Commissions rules.

The objective is to determine compliance with FCC rules for output power, modulation characteristic, occupied bandwidth, and spurious emission at antenna terminal, spurious radiated emission, frequency stability, band edge and radiated margin.

This is the C2PC application of the device. The difference between the original device and the current one is as follows:

| Parts | Original | New |
|-------------|-----------------|-----------------|
| LCD Display | 1.38"(Diagonal) | 1.44"(Diagonal) |
| Camera | Without Camera | With Camera |

For the changes made to the device, the Field Strength of Spurious Radiation below 1 GHz was performed.

Related Submittal(s)/Grant(s)

This is a C2PC application. The original application was granted on 2010-12-07.

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2, Sub-part J as well as the following parts:

Part 22 Subpart H - Public Mobile Services

Part 24 Subpart E - Personal Communication Services

Applicable Standards: TIA/EIA 603-C, ANSI C63.4-2009.

All radiated and conducted emissions measurements were performed at Bay Area Compliance Laboratories Corp. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

The uncertainty of any RF tests which use conducted method measurement is ± 0.96 dB, the uncertainty of any radiation emissions measurement is ± 4.0 dB.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp.(Shenzhen) to collect test data is located in the 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China.

Test site at Bay Area Compliance Laboratories Corp. (Shenzhen) has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on December 06, 2010. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2009.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 382179. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

Additionally, Bay Area Compliance Laboratories Corp. (Shenzhen) is a National Institute of Standards and Technology (NIST) accredited laboratory, under the National Voluntary Laboratory Accredited Program (Lab Code 200707-0).



The current scope of accreditations can be found at <http://ts.nist.gov/Standards/scopes/2007070.htm>

SYSTEM TEST CONFIGURATION

Justification

The EUT was configured for testing according to TIA/EIA-603-C.

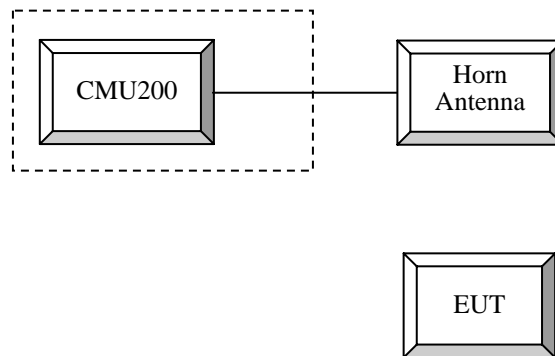
The GSM/PCS item test was performed with the EUT operating at normal mode.

The GPRS item test was performed with the EUT operating at engineering mode.

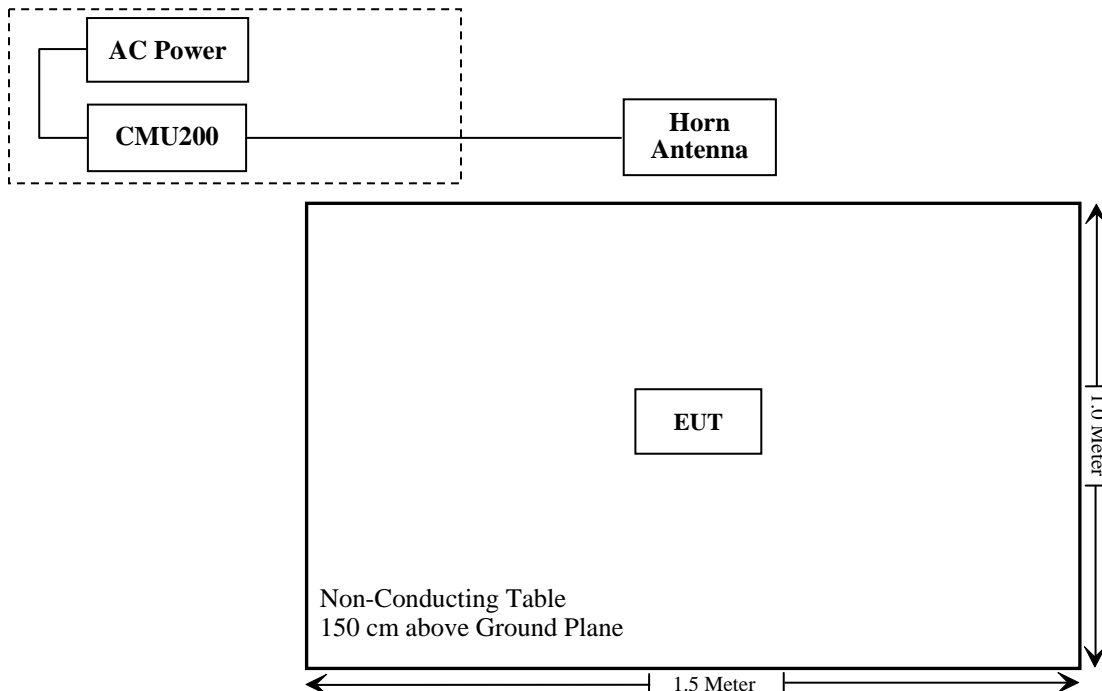
Equipment Modifications

No modifications were made to the EUT.

Configuration of Test Setup



Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

| FCC Rules | Description of Test | Result |
|--------------------------------------|--|--------------|
| §1.1307, §2.1093 | RF Exposure Information (SAR) | Compliance** |
| §2.1046; §22.913 (a); §24.232 (c) | RF Output Power | Compliance* |
| §2.1047 | Modulation Characteristics | N/A |
| §2.1049; §22.905 §22.917; §24.238 | 99% & -26 dB Occupied Bandwidth | Compliance* |
| §2.1051, §22.917 (a); §24.238 (a) | Spurious Emissions at Antenna Terminal | Compliance* |
| §2.1053 §22.917 (a); §24.238 (a) | Field Strength of Spurious Radiation | Compliance |
| §22.917 (a); §24.238 (a) | Out of band emission, Band Edge | Compliance* |
| §2.1055 §22.355; §24.235 | Frequency stability vs. temperature Frequency stability vs. voltage | Compliance* |

Note:

- 1) Compliance*: Please refer to original FCC ID granted on 2010*12-07 with test report: RSZ10110301-22H&24E
- 2) Compliance** SAR report released by BACL, Report Number: RSZA11032902-SAR

FCC §1.1307 & §2.1093 - RF EXPOSURE INFORMATION

Applicable Standard

FCC §1.1307 and §2.1093.

Test Result

Compliance, please refer to BACL SAR Report: RSZA11032902-SAR.

FCC §2.1053, §22.917 & §24.238 - SPURIOUS RADIATED EMISSIONS

Applicable Standards

FCC §2.1053, §22.917 and §24.238.

Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB = $10 \lg (\text{TXpwr in Watts}/0.001)$ – the absolute level
 Spurious attenuation limit in dB = $43 + 10 \text{Log}_{10} (\text{power out in Watts})$

Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|--------------------------------------|-------------|---------------|------------------|----------------------|
| Rohde & Schwarz | Spectrum Analyzer | FSEM30 | 849720/019 | 2010-07-08 | 2011-07-07 |
| HP | Signal Generator | HP8657A | 2849U00982 | 2010-10-28 | 2011-10-27 |
| HP | Amplifier | HP8447D | 2944A09795 | 2010-08-02 | 2011-08-02 |
| HP | Synthesized Sweeper | 8341B | 2624A00116 | 2010-11-07 | 2011-11-06 |
| COM POWER | Dipole Antenna | AD-100 | 041000 | 2010-09-25 | 2011-09-25 |
| A.H. System | Horn Antenna | SAS-200/571 | 135 | 2010-05-17 | 2011-05-17 |
| Rohde & Schwarz | Universal Radio Communication Tester | CMU200 | 109038 | 2010-06-11 | 2011-06-10 |

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Data**Environmental Conditions**

| | |
|---------------------------|----------|
| Temperature: | 25 °C |
| Relative Humidity: | 56 % |
| ATM Pressure: | 100.0kPa |

The testing was performed by Alvin Huang on 2011-04-02.

Test mode: Transmitting

Cellular Band (Part 22H)

| Indicated | | Table Angle Degree | Test Antenna | | Substituted | | | | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
|-----------------------------|---------------------|--------------------|--------------|-------------|-----------------|-------------|-----------------|-----------------|----------------------|-------------|-------------|
| Frequency (MHz) | S.A. Reading (dBμV) | | Height (m) | Polar (H/V) | Frequency (MHz) | Level (dBm) | Ant. Gain (dBd) | Cable Loss (dB) | | | |
| Middle Channel, Below 1 GHz | | | | | | | | | | | |
| 704.70 | 37.53 | 125 | 2.1 | V | 704.70 | -59.5 | 0 | 0.70 | -60.2 | -13 | 47.2 |
| 704.70 | 35.64 | 176 | 1.6 | H | 704.70 | -60.7 | 0 | 0.70 | -61.4 | -13 | 48.4 |

PCS Band (Part 24E)

| Indicated | | Table Angle Degree | Test Antenna | | Substituted | | | | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
|-----------------------------|---------------------|--------------------|--------------|-------------|-----------------|-------------|-----------------|-----------------|----------------------|-------------|-------------|
| Frequency (MHz) | S.A. Reading (dBμV) | | Height (m) | Polar (H/V) | Frequency (MHz) | Level (dBm) | Ant. Gain (dBd) | Cable Loss (dB) | | | |
| Middle Channel, Below 1 GHz | | | | | | | | | | | |
| 704.70 | 37.15 | 258 | 1.8 | V | 704.70 | -59.9 | 0 | 0.70 | -60.6 | -13 | 47.6 |
| 704.70 | 36.34 | 172 | 1.7 | H | 704.70 | -60.0 | 0 | 0.70 | -60.7 | -13 | 47.7 |

PRODUCT SIMILARITY DECLARATION LETTER



Tel: 0755-25327168, FAX: 0755-25327000

Date: 2011-4-11

Product Similarity Declaration

To Whom It May Concern,

We, Enet Times Technology Co., LTD, hereby declare that our GSM Mobile Phone, Model Number: U3+, U30, ULC3, ULC3+, TM23, TM23+ are electrically identical with the Model Number: U3 that was tested by BACL. U3+, U30, ULC3, ULC3+, TM23, TM23+ and U3 are named differently due to marketing purposes.

Please contact me if you have any question.

Client's signature:

Will.Zhu

General Manager

Contact information/address: Enet Times Technology Co., LTD/Unit24F, BlockC, World Trade Plaza, Fuhong Road, Shenzhen, China

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