FCC RF Test Report

APPLICANT : CT Asia

EQUIPMENT : Smartphone

BRAND NAME : BLU

MODEL NAME : STUDIO C 5+5 FCC ID : YHLBLUSTC55

STANDARD : FCC Part 15 Subpart C §15.247

CLASSIFICATION : (DTS) Digital Transmission System

The product was received on May 13, 2015 and testing was completed on May 26, 2015. We, SPORTON INTERNATIONAL (SHENZHEN) 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 (SHENZHEN) INC., the test report shall not be reproduced except in full.

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager

SPORTON INTERNATIONAL (SHENZHEN) INC.

1F & 2F, Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili Town, Nanshan District, Shenzhen, Guangdong, P. R. China

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 1 of 44
Report Issued Date : Jun. 12, 2015

Testing Laboratory 2353

Report No.: FR551303B

Report Version : Rev. 01

TABLE OF CONTENTS

| SU | MMAI | RY OF TEST RESULT | 4 |
|----|------|--|----|
| 1 | GEN | ERAL DESCRIPTION | 5 |
| | 1.1 | Applicant | 5 |
| | 1.2 | Manufacturer | 5 |
| | 1.3 | Product Feature of Equipment Under Test | 5 |
| | 1.4 | Product Specification subjective to this standard | 5 |
| | 1.5 | Modification of EUT | 6 |
| | 1.6 | Testing Location | 6 |
| | 1.7 | Applicable Standards | 7 |
| 2 | TES | T CONFIGURATION OF EQUIPMENT UNDER TEST | 8 |
| | 2.1 | Descriptions of Test Mode | 8 |
| | 2.2 | Test Mode | 9 |
| | 2.3 | Connection Diagram of Test System | 10 |
| | 2.4 | Support Unit used in test configuration and system | 11 |
| | 2.5 | EUT Operation Test Setup | 11 |
| | 2.6 | Measurement Results Explanation Example | 11 |
| 3 | TES | T RESULT | 12 |
| | 3.1 | 6dB and 99% Bandwidth Measurement | 12 |
| | 3.2 | Peak Output Power Measurement | 17 |
| | 3.3 | Power Spectral Density Measurement | 19 |
| | 3.4 | Conducted Band Edges and Spurious Emission Measurement | 25 |
| | 3.5 | Radiated Band Edges and Spurious Emission Measurement | |
| | 3.6 | AC Conducted Emission Measurement | 38 |
| | 3.7 | Antenna Requirements | 42 |
| 4 | LIST | OF MEASURING EQUIPMENT | 43 |
| 5 | UNC | ERTAINTY OF EVALUATION | 44 |
| AP | PEND | DIX A. RADIATED TEST RESULTS | |
| ΑP | PEND | DIX B. SETUP PHOTOGRAPHS | |

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 2 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|------------|---------|-------------------------|---------------|
| FR551303B | Rev. 01 | Initial issue of report | Jun. 12, 2015 |
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TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 3 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

SUMMARY OF TEST RESULT

| Report Section | FCC Rule | Description | Limit | Result | Remark |
|-------------------|--------------------|--|--------------------------|--------|--|
| 3.1 | 15.247(a)(2) | 6dB Bandwidth | ≥ 0.5MHz | Pass | - |
| 3.1 | - | 99% Bandwidth | - | Pass | - |
| 3.2 | 15.247(b)(1) | Peak Output Power | ≤ 30dBm | Pass | - |
| 3.3 | 15.247(e) | Power Spectral Density | ≤ 8dBm/3kHz | Pass | - |
| 3.4 | 15.247(d) | Conducted Band Edges and Spurious Emission | ≤ 20dBc | Pass | - |
| 3.5 | 15.247(d) | Radiated Band Edges and Spurious Emission | 15.209(a) & 15.247(d) | Pass | Under limit 13.76 dB at 30.000 MHz |
| 3.6 | 15.207 | AC Conducted Emission | 15.207(a) | Pass | Under limit 13.61 dB at 2.680 MHz |
| 3.7 | 15.203 & 15.247(b) | Antenna Requirement | N/A | Pass | - |

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 4 of 44

Report Issued Date : Jun. 12, 2015

Report Version : Rev. 01

General Description

1.1 Applicant

CT Asia

Unit 01, 15/F, Seaview Centre, 139-141 Hoi bun road, Kwun Tong, Kowloon, Hongkong

1.2 Manufacturer

Tinno Mobile Technology Corp.

4/F, H-3 Building, OCT Eastern industrial Park, No.1 XiangShan East Rd., Nan Shan District, Shenzhen, P. R. China

1.3 Product Feature of Equipment Under Test

| Product Feature | | | | |
|---------------------------------|---|--|--|--|
| Equipment | Smartphone | | | |
| Brand Name | BLU | | | |
| Model Name | STUDIO C 5+5 | | | |
| FCC ID | YHLBLUSTC55 | | | |
| | GSM/GPRS/EGPRS/WCDMA/HSPA/HSPA+(Downlink Only)/ | | | |
| EUT supports Radios application | WLAN 2.4GHz 802.11b/g/n HT20/HT40 | | | |
| | Bluetooth v3.0 + EDR/Bluetooth v4.0 LE | | | |
| | Conducted: 353919026734677/353924026734677 | | | |
| IMEI Code | Radiation: 353919026734628/353924026734628 | | | |
| | Conduction: 353919026734685/353924026734685 | | | |
| HW Version | V1.0 | | | |
| SW Version | BLU_STUDIOC5+5U_V01_GENERIC | | | |
| EUT Stage | Pre-Production | | | |

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification subjective to this standard

| Product Specification subjective to this standard | | | | |
|---|--|--|--|--|
| Tx/Rx Frequency Range | 2402 MHz ~ 2480 MHz | | | |
| Number of Channels | 40 | | | |
| Carrier Frequency of Each Channel | 40 Channel(37 hopping + 3 advertising channel) | | | |
| Maximum Output Power to Antenna | -0.83 dBm (0.00083 W) | | | |
| 99% Occupied Bandwidth | 1.016MHz | | | |
| Antenna Type | PIFA Antenna with gain 1.50 dBi | | | |
| Type of Modulation | Bluetooth LE : GFSK | | | |

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TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 5 of 44 Report Issued Date: Jun. 12, 2015 Report Version

: Rev. 01

1.5 Modification of EUT

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

1.6 Testing Location

| Test Site | SPORTON INTERNATIONAL (SHENZHEN) INC. | | |
|--------------------|--|----------|--|
| | 1F & 2F, Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili | | |
| Test Site Location | Town, Nanshan District, Shenzhen, Guangdong, P. R. China | | |
| rest Site Location | TEL: +86-755-8637-9589 | | |
| | FAX: +86-755-8637-9595 | | |
| Took Cita No | Sporton | Site No. | |
| Test Site No. | TH01-SZ | CO01-SZ | |

| Test Site | SPORTON INTERNATIONAL (SHENZHEN) INC. | | |
|--------------------|--|----------------------|--|
| | No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan | | |
| Test Site Location | warehouse, Nanshan District, Shenzhen, Guangdong, P. R. China | | |
| | TEL: +86-755- 3320-2398 | | |
| Took Oito No | Sporton Site No. | FCC Registration No. | |
| Test Site No. | 03CH01-SZ | 831040 | |

Note: The test site complies with ANSI C63.4 2009 requirement.

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TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 6 of 44
Report Issued Date : Jun. 12, 2015

Report No.: FR551303B

Report Version : Rev. 01

1.7 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart C §15.247
- FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r02
- ANSI C63.10-2013

Remark:

- All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. FCC permits the use of the 1.5 meter table as an alternative in C63.10-2013 through inquiry tracking number 961829.
- 3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 7 of 44

Report Issued Date : Jun. 12, 2015

Report Version : Rev. 01

2 Test Configuration of Equipment Under Test

2.1 Descriptions of Test Mode

The RF output power was recorded in the following table:

| | | Bluetooth v4.0 LE RF Output Power |
|---------|-----------|-----------------------------------|
| Channal | Eroguenov | Data Rate / Modulation |
| Channel | Frequency | GFSK |
| | | 1Mbps |
| Ch00 | 2402MHz | <mark>-0.83</mark> dBm |
| Ch19 | 2440MHz | -0.87 dBm |
| Ch39 | 2480MHz | -1.08 dBm |

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction (150 kHz to 30 MHz), radiation (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). Pre-scanned tests, X, Y, Z in three orthogonal panels to determine the final configuration (X plane as worst plane) from all possible combinations.
- b. AC power line Conducted Emission was tested under maximum output power.

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 8 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

2.2 Test Mode

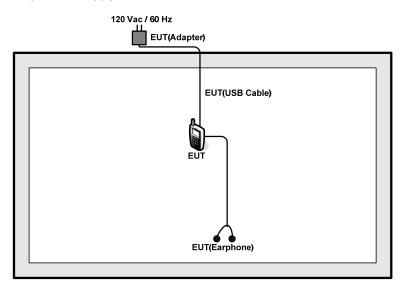
The following summary table is showing all test modes to demonstrate in compliance with the standard.

| | Summary table of Test Cases | | | | | |
|-------------|--|--|--|--|--|--|
| Test Item | Data Rate / Modulation | | | | | |
| rest item | Bluetooth v4.0 LE / GFSK | | | | | |
| Conducted | Mode 1: Bluetooth Tx CH00_2402 MHz_1Mbps | | | | | |
| | Mode 2: Bluetooth Tx CH19_2440 MHz_1Mbps | | | | | |
| TCs | Mode 3: Bluetooth Tx CH39_2480 MHz_1Mbps | | | | | |
| Radiated | Mode 1: Bluetooth Tx CH00_2402 MHz_1Mbps | | | | | |
| | Mode 2: Bluetooth Tx CH19_2440 MHz_1Mbps | | | | | |
| TCs | Mode 3: Bluetooth Tx CH39_2480 MHz_1Mbps | | | | | |
| AC | Made 1. CCM050 Idle Diveteeth Link WI AND ink Formhone USD Coble | | | | | |
| Conducted | Mode 1: GSM850 Idle + Bluetooth Link + WLAN Link + Earphone + USB Cable | | | | | |
| Emission | (Charging from Adapter) | | | | | |
| Remark: For | Radiated TCs, the tests were performed with adapter, earphone and USB cable. | | | | | |

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 9 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

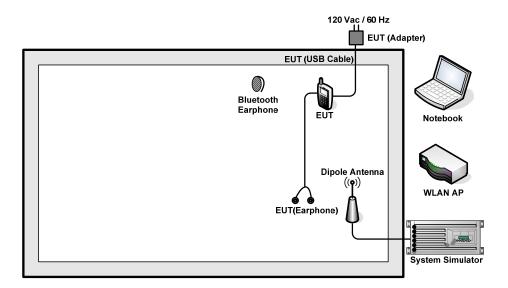
2.3 Connection Diagram of Test System

<Bluetooth v4.0 LE Tx Mode>



Report No.: FR551303B

<AC Conducted Emission Mode>



Page Number

Report Version

: 10 of 44

: Rev. 01

Report Issued Date: Jun. 12, 2015

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55

2.4 Support Unit used in test configuration and system

| Item | Equipment | Trade Name | Model Name | FCC ID | Data Cable | Power Cord |
|------|--------------------|-------------|------------|-------------|-----------------|-------------------|
| 1. | System Simulator | R&S | CMU 200 | N/A | N/A | Unshielded, 1.8 m |
| 2. | Bluetooth Earphone | Nokia | BH-108 | PYAHS-107W | N/A | N/A |
| 3. | WLAN AP | D-Link | DIR-628 | KA2DIR628A2 | N/A | Unshielded, 1.8 m |
| | Notebook | Lenovo E540 | E540 | FCC DoC | N/A | AC I/P: |
| 4. | | | | | | Unshielded, 1.2 m |
| 4. | | | | | | DC O/P: |
| | | | | | Shielded, 1.8 m | |

Report No.: FR551303B

2.5 EUT Operation Test Setup

For Bluetooth v4.0 LE function, the engineering test program was provided and enabled to make EUT continuous transmit/receive.

For AC power line conducted emissions, the EUT was set to connect with the WLAN AP under large package sizes transmission.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Page Number

Report Version

: 11 of 44

: Rev. 01

Report Issued Date: Jun. 12, 2015

Example:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 5 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB). = 5 + 10 = 15 (dB)

3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

3.1.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.1.3 Test Procedures

- 1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r02.
- 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- 4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
- 5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 30kHz and set the Video bandwidth (VBW) = 100kHz.
- 6. Measure and record the results in the test report.

3.1.4 Test Setup



SPORTON INTERNATIONAL (SHENZHEN) INC. TEL: 86-755-8637-9589

FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 12 of 44

Report Issued Date : Jun. 12, 2015

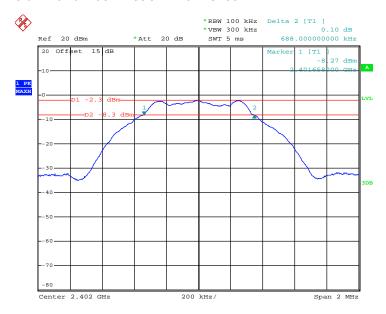
Report Version : Rev. 01

3.1.5 Test Result of 6dB Bandwidth

| Test Mode : | Bluetooth 4.0 LE | Temperature : | 24~26℃ |
|-----------------|------------------|---------------------|--------|
| Test Engineer : | Tiny You | Relative Humidity : | 50~53% |

| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | 6dB Bandwidth Min. Limit (MHz) | Pass/Fail |
|---------|--------------------|---------------------|-----------------------------------|-----------|
| 00 | 2402 | 0.688 | 0.5 | Pass |
| 19 | 2440 | 0.692 | 0.5 | Pass |
| 39 | 2480 | 0.692 | 0.5 | Pass |

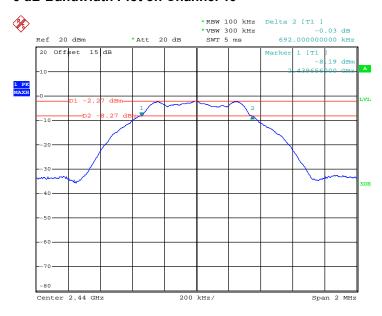
6 dB Bandwidth Plot on Channel 00



Date: 19.MAY.2015 02:17:32

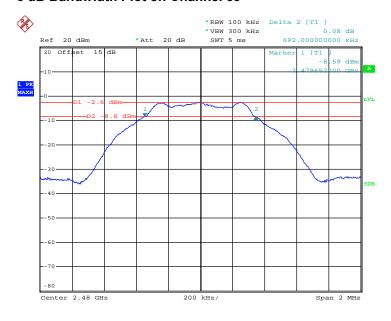
TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 13 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

6 dB Bandwidth Plot on Channel 19



Date: 19.MAY.2015 01:58:18

6 dB Bandwidth Plot on Channel 39



Date: 19.MAY.2015 02:01:08

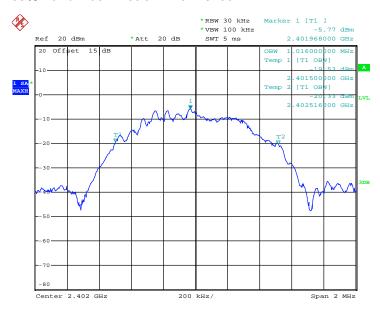
TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 14 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

3.1.6 Test Result of 99% Occupied Bandwidth

| Test Mode : | Bluetooth 4.0 LE | Temperature : | 24~26℃ |
|-----------------|------------------|---------------------|--------|
| Test Engineer : | Tiny You | Relative Humidity : | 50~53% |

| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
|---------|-----------------|------------------------------|
| 00 | 2402 | 1.016 |
| 19 | 2440 | 1.014 |
| 39 | 2480 | 1.016 |

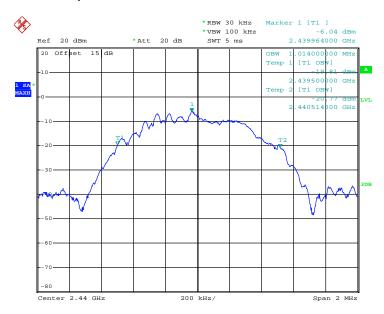
99% Bandwidth Plot on Channel 00



Date: 19.MAY.2015 02:19:35

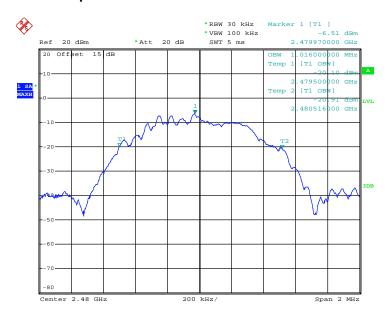
TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 15 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

99% Occupied Bandwidth Plot on Channel 19



Date: 19.MAY.2015 01:59:18

99% Occupied Bandwidth Plot on Channel 39



Date: 19.MAY.2015 02:02:25

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 16 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

3.2 Peak Output Power Measurement

3.2.1 Limit of Peak Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for peak output power is 30dBm. If transmitting antenna of directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

3.2.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.2.3 Test Procedures

- 1. The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v03r02.
- 2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- 4. Measure the conducted output power and record the results in the test report.

3.2.4 Test Setup



TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 17 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

3.2.5 Test Result of Peak Output Power

| Test Mode : | Bluetooth 4.0 LE | Temperature : | 24~26 ℃ |
|-----------------|------------------|---------------------|----------------|
| Test Engineer : | Tiny You | Relative Humidity : | 50~53% |

| Frequency - | | RF Power (dBm) | | | |
|-------------|-------|----------------|-------------|-----------|--|
| | | GFSK | Max. Limits | Pass/Fail | |
| | (MHz) | 1 Mbps | (dBm) | Pass/Faii | |
| 00 | 2402 | -0.83 | 30.00 | Pass | |
| 19 | 2440 | -0.87 | 30.00 | Pass | |
| 39 | 2480 | -1.08 | 30.00 | Pass | |

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 18 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.

3.3.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.3.3 Test Procedures

- The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r02
- The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- 4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. Video bandwidth VBW = 10 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
- 5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
- 6. Measure and record the results in the test report.
- 7. The Measured power density (dBm)/ 100kHz is a reference level and used as 20dBc down limit line for Conducted Band Edges and Conducted Spurious Emission.

3.3.4 Test Setup



SPORTON INTERNATIONAL (SHENZHEN) INC. TEL: 86-755-8637-9589

FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 19 of 44
Report Issued Date : Jun. 12, 2015

Report No.: FR551303B

Report Version : Rev. 01

3.3.5 Test Result of Power Spectral Density

| Test Mode : | Bluetooth 4.0 LE | Temperature : | 24~26 ℃ |
|-----------------|------------------|---------------------|----------------|
| Test Engineer : | Tiny You | Relative Humidity : | 50~53% |

| Ob a mara a l | Frequency | Power Density | | Max. Limits | D/F-:1 |
|---------------|-----------|------------------|----------------|-------------|-----------|
| Channel | (MHz) | PSD/100kHz (dBm) | PSD/3kHz (dBm) | (dBm/3kHz) | Pass/Fail |
| 00 | 2402 | -2.32 | -16.81 | 8 | Pass |
| 19 | 2440 | -2.26 | -16.80 | 8 | Pass |
| 39 | 2480 | -3.00 | -17.18 | 8 | Pass |

Note:

- 1. Measured power density (dBm) has offset with cable loss.
- 2. The Measured power density (dBm)/ 100kHz is reference level and used as 20dBc down for Conducted Band Edges and Conducted Spurious Emission limit line.

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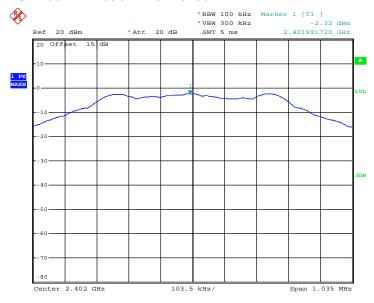
TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 20 of 44

Report Issued Date : Jun. 12, 2015

Report Version : Rev. 01

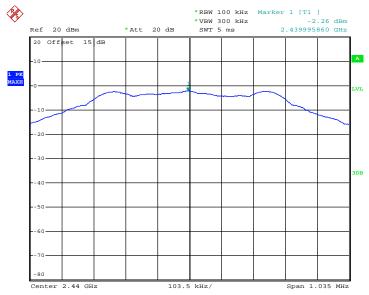
3.3.6 Test Result of Power Spectral Density Plots (100kHz)

PSD 100kHz Plot on Channel 00



Date: 19.MAY.2015 02:18:55

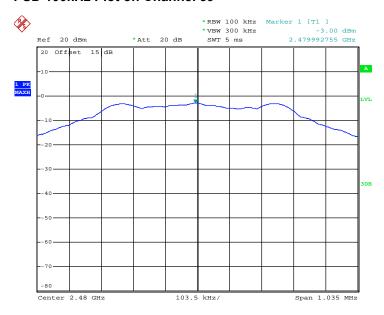
PSD 100kHz Plot on Channel 19



Date: 19.MAY.2015 01:59:04

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 21 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

PSD 100kHz Plot on Channel 39

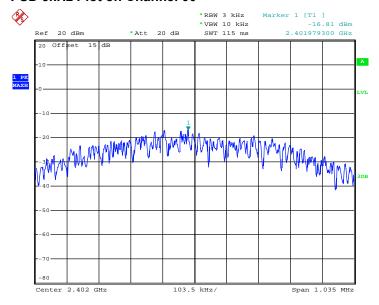


Date: 19.MAY.2015 02:01:54

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 22 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

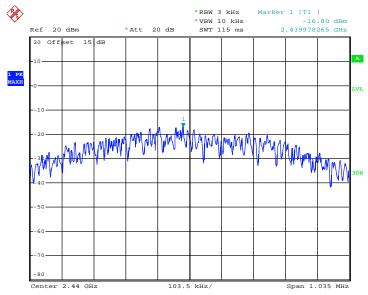
3.3.7 Test Result of Power Spectral Density Plots (3kHz)

PSD 3kHz Plot on Channel 00



Date: 19.MAY.2015 02:17:55

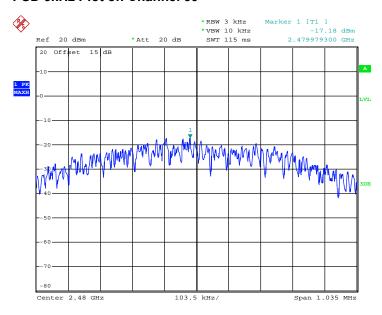
PSD 3kHz Plot on Channel 19



Date: 19.MAY.2015 01:58:41

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 23 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

PSD 3kHz Plot on Channel 39



Date: 19.MAY.2015 02:01:31

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 24 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

3.4 Conducted Band Edges and Spurious Emission Measurement

Limit of Conducted Band Edges and Spurious Emission

All harmonics/spurious must be at least 20 dB down from the highest emission level within the authorized band.

3.4.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

3.4.3 Test Procedure

- 1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r02.
- 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- 4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).
- 5. Measure and record the results in the test report.
- 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

Test Setup 3.4.4



SPORTON INTERNATIONAL (SHENZHEN) INC. TEL: 86-755-8637-9589

FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 25 of 44 Report Issued Date: Jun. 12, 2015

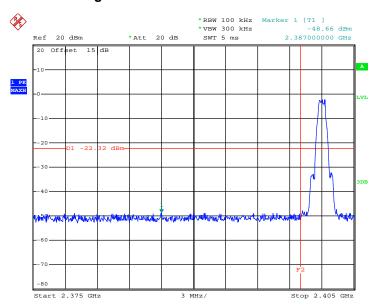
Report No.: FR551303B

Report Version : Rev. 01

3.4.5 Test Result of Conducted Band Edges

| Test Mode : | Bluetooth 4.0 LE | Temperature : | 24~26 ℃ |
|----------------|------------------|---------------------|----------------|
| Test Channel : | 00 and 39 | Relative Humidity : | 50~53% |
| | | Test Engineer : | Tiny You |

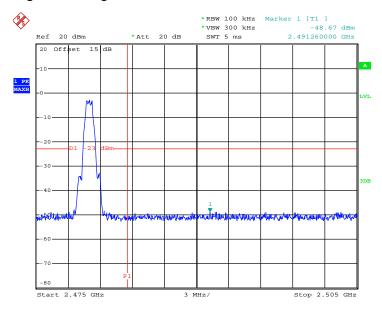
Low Band Edge Plot on Channel 00



Date: 19.MAY.2015 02:19:11

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 26 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

High Band Edge Plot on Channel 39



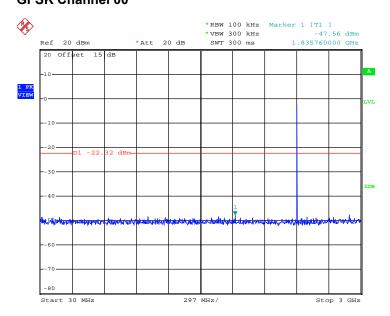
Date: 19.MAY.2015 02:02:11

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 27 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

3.4.6 Test Result of Conducted Spurious Emission

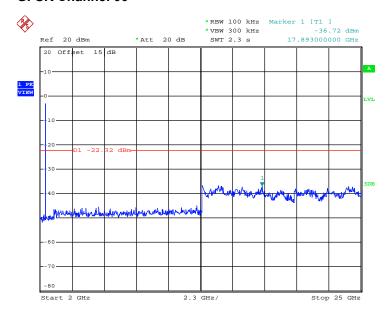
| Test Mode : | Bluetooth 4.0 LE | Temperature : | 24~26℃ |
|----------------|------------------|---------------------|----------|
| Test Channel : | 00 | Relative Humidity : | 50~53% |
| | | Test Engineer : | Tiny You |

Conducted Spurious Emission Plot on Bluetooth LE 1Mbps GFSK Channel 00



Date: 19.MAY.2015 02:20:05

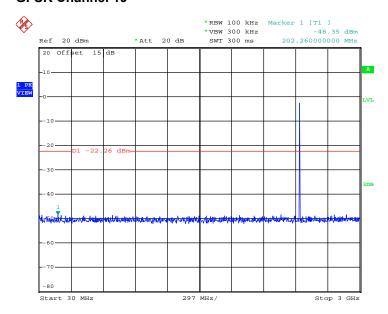
TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 28 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01



Date: 19.MAY.2015 02:20:22

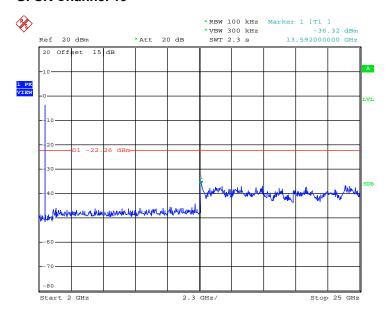
TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 29 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

| Test Mode : | Bluetooth 4.0 LE | Temperature : | 24~26℃ |
|----------------|------------------|---------------------|----------|
| Test Channel : | 19 | Relative Humidity : | 50~53% |
| | | Test Engineer : | Tiny You |



Date: 19.MAY.2015 01:59:41

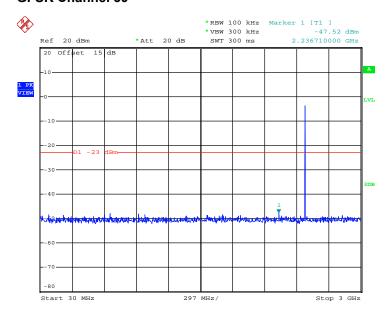
TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 30 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01



Date: 19.MAY.2015 01:59:58

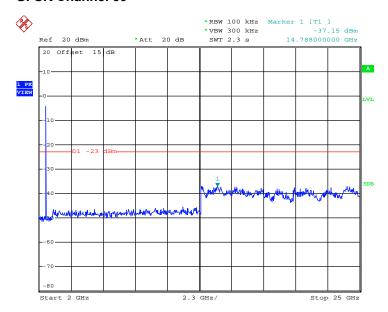
TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 31 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

| Test Mode : | Bluetooth 4.0 LE | Temperature : | 24~26℃ |
|----------------|------------------|---------------------|----------|
| Test Channel : | 39 | Relative Humidity : | 50~53% |
| | | Test Engineer : | Tiny You |



Date: 19.MAY.2015 02:03:01

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 32 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01



Date: 19.MAY.2015 02:03:18

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 33 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated Band Edges and Spurious Emission

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the FCC section 15.209 limits as below.

| Frequency | Field Strength | Measurement Distance |
|---------------|--------------------|----------------------|
| (MHz) | (microvolts/meter) | (meters) |
| 0.009 - 0.490 | 2400/F(kHz) | 300 |
| 0.490 – 1.705 | 24000/F(kHz) | 30 |
| 1.705 – 30.0 | 30 | 30 |
| 30 – 88 | 100 | 3 |
| 88 – 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |

3.5.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 34 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

3.5.3 Test Procedures

- 1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r02.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.

Report No.: FR551303B

- 3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level
- 6. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
- 7. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
 - (3) Set RBW = 1 MHz, VBW= 3MHz for $f \ge 1$ GHz for peak measurement. For average measurement:
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

| Band | Duty Cycle(%) | T(ms) | 1/T(kHz) | VBW Setting |
|------------------|---------------|-------|----------|-------------|
| Bluetooth 4.0 LE | 60.63 | 0.38 | 2.63 | 3kHz |

 SPORTON INTERNATIONAL (SHENZHEN) INC.
 Page Number
 : 35 of 44

 TEL: 86-755-8637-9589
 Report Issued Date
 : Jun. 12, 2015

 FAX: 86-755-8637-9595
 Report Version
 : Rev. 01

FCC ID : YHLBLUSTC55

3.5.4 Test Setup

For radiated emissions below 30MHz

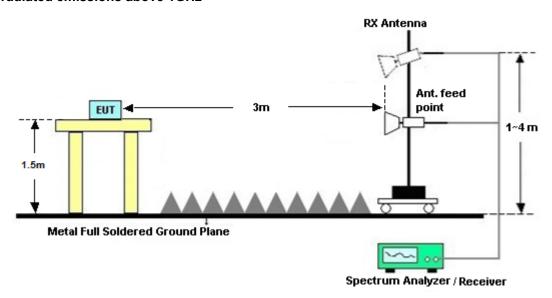


For radiated emissions from 30MHz to 1GHz



TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 36 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

For radiated emissions above 1GHz



3.5.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix A.

3.5.7 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix A.

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 37 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

| Frequency of emission (MUz) | Conducted | limit (dΒμV) |
|-----------------------------|------------|--------------|
| Frequency of emission (MHz) | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56* | 56 to 46* |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

^{*}Decreases with the logarithm of the frequency.

3.6.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

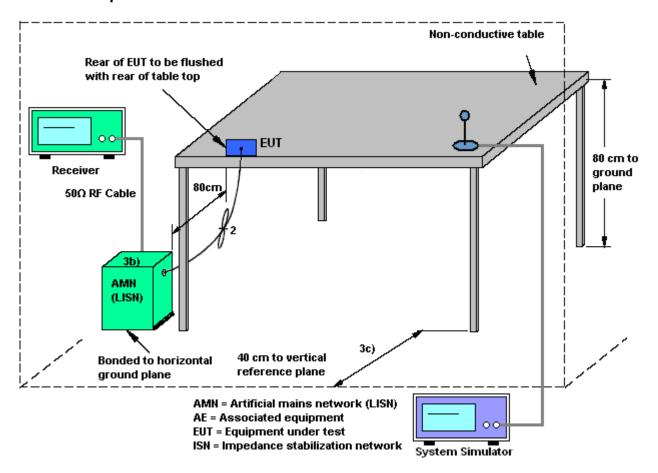
3.6.3 Test Procedures

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 6. Both sides of AC line were checked for maximum conducted interference.
- 7. The frequency range from 150 kHz to 30 MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55

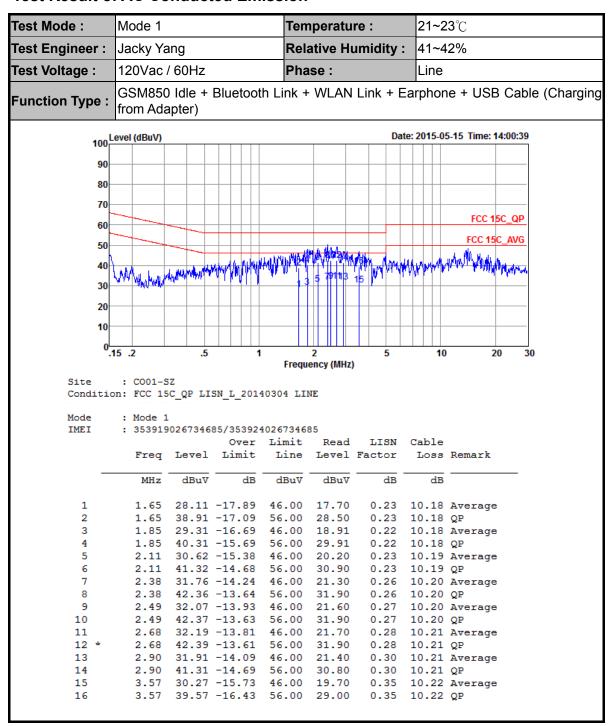
Report No.: FR551303B

3.6.4 Test Setup



TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 39 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

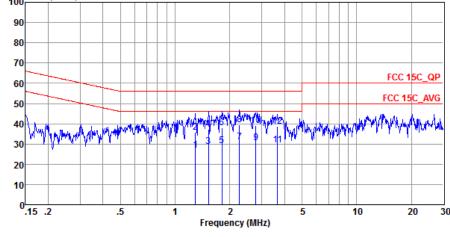
3.6.5 Test Result of AC Conducted Emission



TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 40 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01



| GSM850 Idle + Bluetooth Link + WLAN Link + Farnhone + LISB Cable (Charg | Test Mode : | Mc | ode 1 | | | | | | Ter | Temperature : | | | | | | 21~23℃ | | | | | |
|--|-----------------|-------|--------|-----|--|--|--|-------|-------|---------------|-----|------|-----|-------|--------|--------|--------|--------|-----|-------|--|
| Function Type : GSM850 Idle + Bluetooth Link + WLAN Link + Earphone + USB Cable (Charge from Adapter) Date: 2015-05-15 Time: 14:04:00 | Test Engineer : | Ja | cky Y | ang | | | | | Rel | ative | Hun | nidi | ty | : | 41~42% | | | | | | |
| from Adapter) Date: 2015-05-15 Time: 14:04:00 | Test Voltage : | 12 | | | | | | Pha | ise : | | | | | Ne | utra | | | | | | |
| 90 | Function Type : | | | | | | | ink - | - WL | AN L | ink | + [| Ear | pho | one | + US | ВСа | ıble | (Ch | argin | |
| 90 | 100 | Level | (dBuV) | | | | | | | | | | Da | te: 2 | 015 | -05-1 | 5 Time | 14:04: | 00 | | |
| 80 | | | | | | | | | | | | | | _ | | | | | _ | | |
| | 90 | 1 | | | | | | | | | | | | | | | | | | | |



Site : CO01-SZ

Condition: FCC 15C_QP LISN_N_20140304 NEUTRAL

Mode : Mode 1

: Mode 1 : 353919026734685/353924026734685

| | | | Over | Limit | Read | LISN | Cable | |
|-----|------|-------|--------|-------|-------|--------|-------|---------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Remark |
| | | | | | | | | |
| | MHz | dBu₹ | dB | dBu∀ | dBu∀ | dB | dB | |
| | | | | | | | | |
| 1 | 1.30 | 27.01 | -18.99 | 46.00 | 16.50 | 0.35 | 10.16 | Average |
| 2 | 1.30 | 35.91 | -20.09 | 56.00 | 25.40 | 0.35 | 10.16 | QP |
| 3 | 1.53 | 28.73 | -17.27 | 46.00 | 18.21 | 0.35 | 10.17 | Average |
| 4 | 1.53 | 37.33 | -18.67 | 56.00 | 26.81 | 0.35 | 10.17 | QP |
| 5 | 1.81 | 29.25 | -16.75 | 46.00 | 18.71 | 0.36 | 10.18 | Average |
| 6 | 1.81 | 37.85 | -18.15 | 56.00 | 27.31 | 0.36 | 10.18 | QP |
| 7 * | 2.26 | 31.08 | -14.92 | 46.00 | 20.49 | 0.39 | 10.20 | Average |
| 8 | 2.26 | 39.48 | -16.52 | 56.00 | 28.89 | 0.39 | 10.20 | QP |
| 9 | 2.78 | 30.52 | -15.48 | 46.00 | 19.90 | 0.41 | 10.21 | Average |
| 10 | 2.78 | 39.02 | -16.98 | 56.00 | 28.40 | 0.41 | 10.21 | QP |
| 11 | 3.66 | 29.37 | -16.63 | 46.00 | 18.70 | 0.45 | 10.22 | Average |
| 12 | 3.66 | 38.57 | -17.43 | 56.00 | 27.90 | 0.45 | 10.22 | QP |
| | | | | | | | | |

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 41 of 44 Report Issued Date: Jun. 12, 2015

Report No.: FR551303B

: Rev. 01 Report Version

3.7 Antenna Requirements

3.7.1 **Standard Applicable**

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 42 of 44 Report Issued Date: Jun. 12, 2015

Report No.: FR551303B

Report Version : Rev. 01

4 List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---|-------------------------|---------------------------------|------------------|---------------------------|---------------------|--------------|---------------|--------------------------|
| Spectrum Analyzer | R&S | FSP30 | 101400 | 9kHz~40GHz | Jan. 28, 2015 | May 19, 2015 | Jan. 27, 2016 | Conducted (TH01-SZ) |
| Pulse Power Senor | Anritsu | MA2411B | 1207253 | 30MHz~40GHz | Jan. 28, 2015 | May 19, 2015 | Jan. 27, 2016 | Conducted (TH01-SZ) |
| Power Meter | Anritsu | ML2495A | 1218010 | 50MHz Bandwidth | Jan. 28, 2015 | May 19, 2015 | Jan. 27, 2016 | Conducted (TH01-SZ) |
| EMI Test Receiver&SA | Agilent Technologies | N9038A | MY522601 85 | 20Hz~26.5GHz | May 25, 2015 | May 26, 2015 | May 24, 2016 | Radiation (03CH01-SZ) |
| Spectrum Analyzer | R&S | FSV40 | 101041 | 10kHz~40GHz; Max 30dBm | Sep. 25, 2014 | May 26, 2015 | Sep. 24, 2015 | Radiation (03CH01-SZ) |
| Loop Antenna | R&S | HFH2-Z2 | 100354 | 9kHz~30MHz | May 06, 2015 | May 26, 2015 | May 05, 2016 | Radiation (03CH01-KS) |
| Bilog Antenna | TeseQ | CBL6112D | 23188 | 30MHz~2GHz | Nov. 07, 2014 | May 26, 2015 | Nov. 06, 2015 | Radiation (03CH01-SZ) |
| Double Ridge Horn Antenna | ETS-Lindgren | 3117 | 00119436 | 1GHz~18GHz | Oct. 15, 2014 | May 26, 2015 | Oct. 14, 2015 | Radiation (03CH01-SZ) |
| SHF-EHF Horn | com-power | AH-840 | 101073 | 18GHz~40GHz | Jun. 09, 2014 | May 26, 2015 | Jun. 08, 2015 | Radiation (03CH01-SZ) |
| Amplifier | ADVANTEST | BB525C | E9007003 | 9kHz~3000MHz / 30 dB | Jan. 28, 2015 | May 26, 2015 | Jan. 27, 2016 | Radiation (03CH01-SZ) |
| Amplifier | Yiai | AV3860B | 04030 | 2GHz~26.5GHz | May 05, 2015 | May 26, 2015 | May 04, 2016 | Radiation (03CH01-SZ) |
| Amplifier | Agilent Technologies | 83017A | MY395013 02 | 500MHz~26.5G Hz | Jan. 28, 2015 | May 26, 2015 | Jan. 27, 2016 | Radiation (03CH01-SZ) |
| AC Power Source | Chroma | 61601 | 616010001 985 | N/A | NCR | May 26, 2015 | NCR | Radiation (03CH01-SZ) |
| Turn Table | EM | EM1000 | N/A | 0~360 degree | NCR | May 26, 2015 | NCR | Radiation (03CH01-SZ) |
| Antenna Mast | EM | EM1000 | N/A | 1 m~4 m | NCR | May 26, 2015 | NCR | Radiation (03CH01-SZ) |
| EMI Receiver | R&S | ESCI7 | 100724 | 9kHz~3GHz | Jan. 28, 2015 | May 15, 2015 | Jan. 27, 2016 | Conduction (CO01-SZ) |
| AC LISN | EMCO | 3816/2SH | 103892 | 9kHz~30MHz | Feb. 02, 2015 | May 15, 2015 | Feb. 01, 2016 | Conduction (CO01-SZ) |
| AC LISN (for auxiliary equipment) | MessTec | AN3016 | 16850 | 9kHz~30MHz | Feb. 02, 2015 | May 15, 2015 | Feb. 01, 2016 | Conduction (CO01-SZ) |
| AC Power Source | Chroma | 61602 | 616020000 891 | 100Vac~250Vac | Sep. 29, 2014 | May 15, 2015 | Sep. 28, 2015 | Conduction (CO01-SZ) |
| Pulse Limiter | COM-POWER | LIT-153 Transient Limiter | 53139 | 150kHz~30MHz | Oct. 24, 2014 | May 15, 2015 | Oct. 23, 2015 | Conduction (CO01-SZ) |

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 43 of 44
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

| Measuring Uncertainty for a Level of Confidence | 2.3dB |
|---|-------|
| of 95% (U = 2Uc(y)) | 2.3ub |

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

| Measuring Uncertainty for a Level of Confidence | |
|---|-------|
| of 95% (U = 2Uc(y)) | 3.9dB |

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : 44 of 44
Report Issued Date : Jun. 12, 2015

Report No.: FR551303B

Report Version : Rev. 01

Appendix A. Radiated Spurious Emission

15C 2.4GHz 2400~2483.5MHz

BLE (Band Edge @ 3m)

| BLE | Note | Frequency | Level | Over | Limit | Read | Antenna | Cable | Preamp | Ant | Table | Peak | Pol. |
|--------------|------|-----------|------------|--------|------------|--------|----------|-------|--------|--------|---------|-------|-------|
| | | | | Limit | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | |
| | | (MHz) | (dBµV/m) | (dB) | (dBµV/m) | (dBµV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| | | 2389.02 | 40.14 | -33.86 | 74 | 43.12 | 27.25 | 4.79 | 35.02 | 236 | 92 | Р | Н |
| | | 2387.67 | 28.36 | -25.64 | 54 | 31.34 | 27.25 | 4.79 | 35.02 | 236 | 92 | Α | Н |
| 51.5 | * | 2402 | 93.2 | - | - | 96.16 | 27.25 | 4.79 | 35 | 236 | 92 | Р | Н |
| BLE CH 00 | * | 2402 | 92.56 | - | - | 95.52 | 27.25 | 4.79 | 35 | 236 | 92 | Α | Н |
| 2402MHz | | 2328.27 | 39.94 | -34.06 | 74 | 43.3 | 27.01 | 4.7 | 35.07 | 226 | 180 | Р | V |
| 2402111112 | | 2324.13 | 27.56 | -26.44 | 54 | 30.92 | 27.01 | 4.7 | 35.07 | 226 | 180 | Α | V |
| | * | 2402 | 81.46 | - | - | 84.42 | 27.25 | 4.79 | 35 | 226 | 180 | Р | V |
| | * | 2402 | 80.8 | 1 | - | 83.76 | 27.25 | 4.79 | 35 | 226 | 180 | Α | ٧ |
| | | 2329.98 | 40.36 | -33.64 | 74 | 43.68 | 27.01 | 4.74 | 35.07 | 151 | 96 | Р | Н |
| | | 2378.13 | 27.69 | -26.31 | 54 | 30.73 | 27.19 | 4.79 | 35.02 | 151 | 96 | Α | Н |
| | * | 2440 | 93.72 | - | - | 96.45 | 27.42 | 4.82 | 34.97 | 151 | 96 | Р | Н |
| | * | 2440 | 93.07 | - | - | 95.8 | 27.42 | 4.82 | 34.97 | 151 | 96 | Α | Н |
| | | 2489.68 | 40.82 | -33.18 | 74 | 43.25 | 27.6 | 4.89 | 34.92 | 151 | 96 | Р | Н |
| BLE CH 19 | | 2498.12 | 28.3 | -25.70 | 54 | 30.71 | 27.6 | 4.89 | 34.9 | 151 | 96 | Α | Н |
| 2440MHz | | 2322.78 | 39.55 | -34.45 | 74 | 42.91 | 27.01 | 4.7 | 35.07 | 157 | 355 | Р | ٧ |
| 244011112 | | 2384.79 | 27.58 | -26.42 | 54 | 30.62 | 27.19 | 4.79 | 35.02 | 157 | 355 | Α | ٧ |
| | * | 2440 | 79.05 | - | - | 81.78 | 27.42 | 4.82 | 34.97 | 157 | 355 | Р | V |
| | * | 2440 | 78.39 | - | - | 81.12 | 27.42 | 4.82 | 34.97 | 157 | 355 | Α | V |
| | | 2483.96 | 40.89 | -33.11 | 74 | 43.42 | 27.54 | 4.85 | 34.92 | 157 | 355 | Р | V |
| | | 2498.72 | 28.17 | -25.83 | 54 | 30.58 | 27.6 | 4.89 | 34.9 | 157 | 355 | Α | V |

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : A1 of A6
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01



| | * | 2480 | 92.69 | - | - | 95.22 | 27.54 | 4.85 | 34.92 | 150 | 113 | Р | Н |
|------------------|------|----------------|----------|--------|----|-------|-------|------|-------|-----|-----|---|---|
| | * | 2480 | 92.04 | - | - | 94.57 | 27.54 | 4.85 | 34.92 | 150 | 113 | Α | Н |
| | | 2485.24 | 42.71 | -31.29 | 74 | 45.24 | 27.54 | 4.85 | 34.92 | 150 | 113 | Р | Н |
| BLE | | 2485.08 | 30.44 | -23.56 | 54 | 32.97 | 27.54 | 4.85 | 34.92 | 150 | 113 | Α | Н |
| CH 39 2480MHz | * | 2480 | 82.17 | - | - | 84.7 | 27.54 | 4.85 | 34.92 | 150 | 132 | Р | ٧ |
| 2400WIFI2 | * | 2480 | 81.48 | - | - | 84.01 | 27.54 | 4.85 | 34.92 | 150 | 132 | Α | V |
| | | 2499.52 | 40.84 | -33.16 | 74 | 43.25 | 27.6 | 4.89 | 34.9 | 150 | 132 | Р | ٧ |
| | | 2498.48 | 28.23 | -25.77 | 54 | 30.64 | 27.6 | 4.89 | 34.9 | 150 | 132 | Α | ٧ |
| | 1. N | o other spurio | us found | | | | | | | | | | |

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : A2 of A6 Report Issued Date: Jun. 12, 2015 Report Version : Rev. 01

Remark

2. All results are PASS against Peak and Average limit line.

15C 2.4GHz 2400~2483.5MHz

BLE (Harmonic @ 3m)

| BLE | Note | Frequency | Level | Over | Limit | Read | Antenna | Cable | Preamp | Ant | Table | Peak | Pol. |
|--------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| | | | | Limit | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | |
| | | (MHz) | (dBµV/m) | (dB) | (dBµV/m) | (dBµV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| BLE | | 4804 | 42.73 | -31.27 | 74 | 63.05 | 31.03 | 6.95 | 58.3 | 119 | 148 | Р | Н |
| CH 00 | | | | | | | | | | | | | |
| 2402MHz | | 4804 | 42.58 | -31.42 | 74 | 62.9 | 31.03 | 6.95 | 58.3 | 119 | 148 | Р | V |
| 51.5 | | 4880 | 42.6 | -31.40 | 74 | 63.15 | 31.12 | 6.99 | 58.66 | 110 | 245 | Р | Н |
| BLE CH 19 | | 7320 | 47.12 | -26.88 | 74 | 61.52 | 35.98 | 8.22 | 58.6 | 184 | 225 | Р | Н |
| 2440MHz | | 4880 | 42.81 | -31.19 | 74 | 63.36 | 31.12 | 6.99 | 58.66 | 110 | 245 | Р | V |
| | | 7320 | 47.82 | -26.18 | 74 | 62.22 | 35.98 | 8.22 | 58.6 | 184 | 225 | Р | V |
| DI E | | 4960 | 43.1 | -30.90 | 74 | 63.14 | 31.24 | 7.02 | 58.3 | 150 | 135 | Р | Н |
| BLE CH 39 | | 7440 | 46.63 | -27.37 | 74 | 60.62 | 36.16 | 8.3 | 58.45 | 175 | 260 | Р | Н |
| 2480MHz | | 4960 | 43.15 | -30.85 | 74 | 63.19 | 31.24 | 7.02 | 58.3 | 150 | 135 | Р | V |
| 240011112 | | 7440 | 46.36 | -27.64 | 74 | 60.35 | 36.16 | 8.3 | 58.45 | 175 | 260 | Р | V |

Remark

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : A3 of A6
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

No other spurious found.

^{2.} All results are PASS against Peak and Average limit line.

15C Emission below 1GHz

2.4GHz BLE (LF)

| BLE | Note | Frequency | Level | Over | Limit | Read | Antenna | Cable | Preamp | Ant | Table | Peak | Pol. |
|--------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| | | | | Limit | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | |
| | | (MHz) | (dBµV/m) | (dB) | (dBµV/m) | (dBµV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| | | 30 | 24.95 | -15.05 | 40 | 30.57 | 19.6 | 0.85 | 26.07 | 120 | 300 | Р | Н |
| | | 75.59 | 20.91 | -19.09 | 40 | 35.99 | 9.47 | 1.33 | 25.88 | ı | - | Р | Н |
| | | 117.3 | 24.11 | -19.39 | 43.5 | 33.94 | 14.19 | 1.67 | 25.69 | ı | - | Р | Н |
| | | 519.85 | 25.38 | -20.62 | 46 | 28.57 | 19.46 | 3.71 | 26.36 | ı | - | Р | Н |
| 2.4GHz | | 800.18 | 29.05 | -16.95 | 46 | 28.13 | 22.5 | 4.59 | 26.17 | ı | - | Р | Н |
| BLE | | 955.38 | 29.8 | -16.20 | 46 | 28.83 | 21.38 | 5.04 | 25.45 | ı | - | Р | Н |
| LF | | 30 | 26.24 | -13.76 | 40 | 31.86 | 19.6 | 0.85 | 26.07 | 120 | 270 | Р | V |
| | | 72.68 | 22.94 | -17.06 | 40 | 38.49 | 9.04 | 1.3 | 25.89 | 1 | - | Р | V |
| | | 116.33 | 20.1 | -23.40 | 43.5 | 30.08 | 14.05 | 1.66 | 25.69 | ı | 1 | Р | V |
| | | 623.64 | 26.52 | -19.48 | 46 | 29.09 | 19.84 | 4.01 | 26.42 | 1 | 1 | Р | V |
| | | 783.69 | 29.29 | -16.71 | 46 | 28.81 | 22.14 | 4.54 | 26.2 | ı | - | Р | V |
| | | 975.75 | 28.53 | -25.47 | 54 | 27.43 | 21.3 | 5.09 | 25.29 | - | - | Р | ٧ |
| | | | | | | | | | | | | | |

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : A4 of A6 Report Issued Date: Jun. 12, 2015 Report Version : Rev. 01

Remark

1. No other spurious found.

2. All results are PASS against limit line.

Note symbol

| | Fundamental Frequency which can be ignored. However, the level of any |
|-----|--|
| * | unwanted emissions shall not exceed the level of the fundamental frequency per |
| | 15.209(c). |
| ! | Test result is over limit line. |
| P/A | Peak or Average |
| H/V | Horizontal or Vertical |

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : A5 of A6
Report Issued Date : Jun. 12, 2015
Report Version : Rev. 01

A calculation example for radiated spurious emission is shown as below:

| WIFI | Note | Frequency | Level | Over | Limit | Read | Antenna | Cable | Preamp | Ant | Table | Peak | Pol. |
|---------|------|-----------|------------|--------|------------|---------------------|----------|--------|--------|--------|---------|-------|-------|
| Ant. | | | | Limit | Line | Level | Factor | Loss | Factor | Pos | Pos | Avg. | |
| 1+2 | | (MHz) | (dBµV/m) | (dB) | (dBµV/m) | (dB _µ V) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| 802.11b | | 2390 | 55.45 | -18.55 | 74 | 54.51 | 32.22 | 4.58 | 35.86 | 103 | 308 | Р | Н |
| CH 01 | | | | | | | | | | | | | |
| 2412MHz | | 2390 | 43.54 | -10.46 | 54 | 42.6 | 32.22 | 4.58 | 35.86 | 103 | 308 | Α | Н |

1. Level($dB\mu V/m$) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBµV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dB μ V/m) – Limit Line(dB μ V/m)

For Peak Limit @ 2390MHz:

- 1. Level(dBµV/m)
- = Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBµV) Preamp Factor(dB)
- $= 32.22(dB/m) + 4.58(dB) + 54.51(dB\mu V) 35.86 (dB)$
- $= 55.45 (dB\mu V/m)$
- 2. Over Limit(dB)
- = Level(dBμV/m) Limit Line(dBμV/m)
- $= 55.45(dB\mu V/m) 74(dB\mu V/m)$
- = -18.55(dB)

For Average Limit @ 2390MHz:

- 1. Level(dBµV/m)
- = Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dB μ V) Preamp Factor(dB)
- $= 32.22(dB/m) + 4.58(dB) + 42.6(dB\mu V) 35.86 (dB)$
- $= 43.54 (dB\mu V/m)$
- Over Limit(dB)
- = Level($dB\mu V/m$) Limit Line($dB\mu V/m$)
- $= 43.54(dB\mu V/m) 54(dB\mu V/m)$
- = -10.46(dB)

Both peak and average measured complies with the limit line, so test result is "PASS".

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTC55 Page Number : A6 of A6
Report Issued Date : Jun. 12, 2015

Report No.: FR551303B

Report Version : Rev. 01