FCC RF Test Report

APPLICANT : VinSmart Research and Manufacture

Joint Stock Company

EQUIPMENT : SMARTPHONE

BRAND NAME : AT&T
MODEL NAME : V350C

FCC ID : 2AVD3V350C

STANDARD : FCC Part 15 Subpart C §15.247

CLASSIFICATION : (DTS) Digital Transmission System

The product was received on May 15, 2020 and testing was completed on Aug. 31, 2020. We, Sporton International (Kunshan) 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 (Kunshan) Inc., the test report shall not be reproduced except in full.

Reviewed by: Jason Jia / Supervisor

JasonJia

Approved by: James Huang / Manager

Sporton International (Kunshan) Inc.

No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 1 of 34
Report Issued Date : Sep. 15, 2020

Report No.: FR051501-01B

Report Version : Rev. 01

TABLE OF CONTENTS

| RE\ | /ISION | I HISTORY | 3 |
|-----|--------|--|----|
| SUN | /MAR | Y OF TEST RESULT | 4 |
| 1 | GENE | RAL DESCRIPTION | 5 |
| | 1.1 | Applicant | 5 |
| | 1.2 | Manufacturer | 5 |
| | 1.3 | Product Feature of Equipment Under Test | 5 |
| | 1.4 | Product Specification of Equipment Under Test | 6 |
| | 1.5 | Modification of EUT | 6 |
| | 1.6 | Testing Location | 6 |
| | 1.7 | Test Software | 7 |
| | 1.8 | Applicable Standards | 7 |
| 2 | TEST | CONFIGURATION OF EQUIPMENT UNDER TEST | 8 |
| | 2.1 | Carrier Frequency Channel | 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 | TEST | RESULT | 12 |
| | 3.1 | 6dB Bandwidth Measurement | 12 |
| | 3.2 | Output Power Measurement | 15 |
| | 3.3 | Power Spectral Density Measurement | 16 |
| | 3.4 | Conducted Band Edges and Spurious Emission Measurement | 21 |
| | 3.5 | Radiated Band Edges and Spurious Emission Measurement | 26 |
| | 3.6 | AC Conducted Emission Measurement | 30 |
| | 3.7 | Antenna Requirements | 32 |
| 4 | LIST | OF MEASURING EQUIPMENT | 33 |
| 5 | UNCE | RTAINTY OF EVALUATION | 34 |
| APF | PENDI | X A. CONDUCTED TEST RESULTS | |
| APF | PENDI | X B. AC CONDUCTED EMISSION TEST RESULT | |
| APF | PENDI | X C. RADIATED SPURIOUS EMISSION | |
| APF | PENDI | X D. DUTY CYCLE PLOTS | |
| APF | PENDI | X E. SETUP PHOTOGRAPHS | |

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 2 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No. : FR051501-01B

REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|--------------|---------|-------------------------|---------------|
| FR051501-01B | Rev. 01 | Initial issue of report | Sep. 15, 2020 |
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TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 3 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No. : FR051501-01B

SUMMARY OF TEST RESULT

| Report Section | FCC Rule | Description | Limit | Result | Remark |
|-------------------|-----------------------|--|--------------------------|--------|---|
| 3.1 | 15.247(a)(2) | 6dB Bandwidth | ≥ 0.5MHz | Pass | - |
| 3.2 | 15.247(b)(3) | 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 6.18 dB at 2483.500 MHz |
| 3.6 | 15.207 | 15.207 AC Conducted Emission | | Pass | Under limit 5.41 dB at 0.694 MHz |
| 3.7 | 15.203 & 15.247(b) | Antenna Requirement | N/A | Pass | - |

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 4 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B

1 General Description

1.1 Applicant

VinSmart Research and Manufacture Joint Stock Company

Lot CN1-06B-1&2, Hi-tech Industrial Park 1, Hoa Lac Hi-tech Park, Ha Bang, Thach That, Hanoi, Vietnam

Report No.: FR051501-01B

1.2 Manufacturer

VinSmart Research and Manufacture Joint Stock Company

Lot CN1-06B-1&2, Hi-tech Industrial Park 1, Hoa Lac Hi-tech Park, Ha Bang, Thach That, Hanoi, Vietnam

1.3 Product Feature of Equipment Under Test

| Product Feature | | | | |
|---------------------------------|-----------------------------------|--|--|--|
| Equipment | SMARTPHONE | | | |
| Brand Name | AT&T | | | |
| Model Name | V350C | | | |
| FCC ID | 2AVD3V350C | | | |
| | GSM/WCDMA/LTE | | | |
| FUT average Badisa aveliantian | WLAN 2.4GHz 802.11b/g/n HT20/HT40 | | | |
| EUT supports Radios application | Bluetooth BR/EDR/LE | | | |
| | GNSS | | | |
| | Conduction: 353795160011738 | | | |
| IMEI Code | Radiation: 353795160011738 | | | |
| | Conducted: 359095101282975 | | | |
| HW Version | REV 1.0 | | | |
| SW Version | V350C_A1_200903 | | | |
| EUT Stage | Identical Prototype | | | |

Remark:

- 1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
- 2. This is a test report for change in FCC ID, there is no difference on the product design between FCC ID: 2AVD3V350C and original FCC ID: 2AVD3V350U, all the test results are leveraged from original FCC ID: 2AVD3V350U, report number FR051501B.

 Sporton International (Kunshan) Inc.
 Page Number
 : 5 of 34

 TEL: +86-512-57900158
 Report Issued Date
 : Sep. 15, 2020

 FAX: +86-512-57900958
 Report Version
 : Rev. 01

FCC ID: 2AVD3V350C Report Template No.: BU5-FR15CBLE Version 2.0

1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification | | | |
|---|--|--|--|
| 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 | 7.44 dBm (0.0055 W) | | |
| Antenna Type / Gain | LDS Antenna type with gain -5.0 dBi | | |
| Type of Modulation | Bluetooth LE : GFSK | | |

Report No.: FR051501-01B

Note: The EUT supports BLE v5.0 data rate 1Mbps which could be covered by BLE v4.2.

1.5 Modification of EUT

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

1.6 Testing Location

Sporton International (Kunshan) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

| Test Firm | Sporton International (Kunshan) Inc. | | | |
|--------------------|--|---------------------|--------------------------------|--|
| | No. 1098, Pengxi North Road, Kunshan Economic Development Zone | | | |
| Test Site Location | Jiangsu Province 215300 People's Republic of China | | | |
| rest one Location | TEL: +86-512-57900158 | | | |
| | FAX: +86-512-57900958 | | | |
| | Sporton Site No. | FCC Designation No. | FCC Test Firm Registration No. | |
| Test Site No. | CO01-KS 03CH04-KS TH01-KS | CN1257 | 314309 | |

 Sporton International (Kunshan) Inc.
 Page Number
 : 6 of 34

 TEL: +86-512-57900158
 Report Issued Date
 : Sep. 15, 2020

 FAX: +86-512-57900958
 Report Version
 : Rev. 01

FCC ID: 2AVD3V350C Report Template No.: BU5-FR15CBLE Version 2.0

1.7 Test Software

| Iten | n | Site | Manufacture | Name | Version |
|------|---|-----------|-------------|------|--------------|
| 1. | | 03CH04-KS | AUDIX | E3 | 6.2009-8-24a |
| 2. | | CO01-KS | AUDIX | E3 | 6.2009-8-24 |

1.8 Applicable Standards

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

- 47 CFR Part 15 Subpart C §15.247
- FCC KDB 558074 D01 15.247 Meas Guidance v05r02
- ANSI C63.10-2013

Remark:

- 1. All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 7 of 34

Report Issued Date : Sep. 15, 2020

Report Version : Rev. 01

Report No.: FR051501-01B

2 Test Configuration of Equipment Under Test

2.1 Carrier Frequency Channel

| Frequency Band | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|-----------------|---------|----------------|---------|----------------|
| | 0 | 2402 | 21 | 2444 |
| | 1 | 2404 | 22 | 2446 |
| | 2 | 2406 | 23 | 2448 |
| | 3 | 2408 | 24 | 2450 |
| | 4 | 2410 | 25 | 2452 |
| | 5 | 2412 | 26 | 2454 |
| | 6 | 2414 | 27 | 2456 |
| | 7 | 2416 | 28 | 2458 |
| | 8 | 2418 | 29 | 2460 |
| | 9 | 2420 | 30 | 2462 |
| 2400-2483.5 MHz | 10 | 2422 | 31 | 2464 |
| | 11 | 2424 | 32 | 2466 |
| | 12 | 2426 | 33 | 2468 |
| | 13 | 2428 | 34 | 2470 |
| | 14 | 2430 | 35 | 2472 |
| | 15 | 2432 | 36 | 2474 |
| | 16 | 2434 | 37 | 2476 |
| | 17 | 2436 | 38 | 2478 |
| | 18 | 2438 | 39 | 2480 |
| | 19 | 2440 | - | - |
| | 20 | 2442 | - | - |

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 8 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No. : FR051501-01B

2.2 Test Mode

- 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 emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

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 – 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 | | | | |
| Dadistad | Mode 1: Bluetooth Tx CH00_2402 MHz_1Mbps | | | | |
| Radiated | Mode 2: Bluetooth Tx CH19_2440 MHz_1Mbps | | | | |
| TCs | Mode 3: Bluetooth Tx CH39_2480 MHz_1Mbps | | | | |
| AC | Made 4. CSM 950 Idle - Divisto eth Link - W/LANT ink /2.4C) - USD Cehle/Charging | | | | |
| Conducted | Mode 1: GSM 850 Idle + Bluetooth Link + WLAN Link (2.4G) + USB Cable(Charging | | | | |
| Emission | from Adapter) + Earphone | | | | |
| Remark: For | Radiated Test Cases, The tests were performed with Adapter, USB cable and Earphone. | | | | |

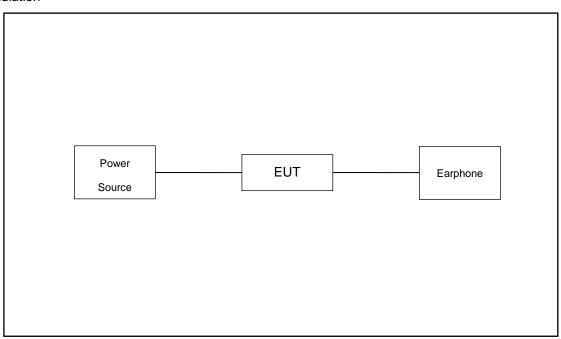
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TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 9 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

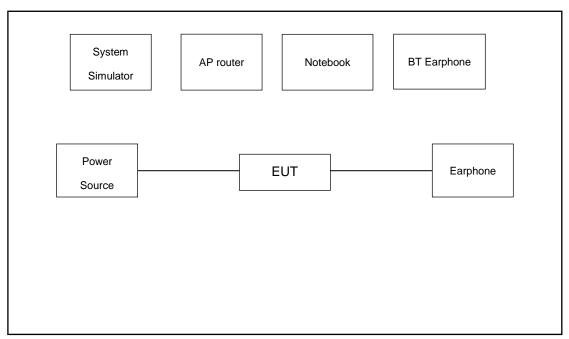
Report No.: FR051501-01B

2.3 Connection Diagram of Test System

For Radiation



For Conducted Emission



TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 10 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B

2.4 Support Unit used in test configuration and system

| Item | Equipment | Trade Name | Model Name | FCC ID | Data Cable | Power Cord |
|------|-----------------------|---------------|------------|---------------|------------------|---|
| 1. | Base Station | Anritsu | MT8820C | N/A | N/A | Unshielded,1.8m |
| 2. | Bluetooth Earphone | Lenovo | LBH308 | N/A | N/A | N/A |
| 3. | Notebook | Lenovo | G480 | QDS-BRCM1050I | N/A | shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m |
| 4. | WLAN AP | D-link | DIR-655 | KA21R655B1 | N/A | Unshielded,1.8m |
| 5. | Earphone | Lenovo | SH100 | N/A | Unshielded, 1.2m | N/A |

2.5 EUT Operation Test Setup

For BLE 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 between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example:

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 6.00 dB.

 $Offset(dB) = RF \ cable \ loss(dB) \ .$ = 6.00 (dB)

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TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 11 of 34
Report Issued Date : Sep. 15, 2020

Report No.: FR051501-01B

Report Version : Rev. 01

3 Test Result

3.1 6dB Bandwidth Measurement

3.1.1 Limit of 6dB Bandwidth

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

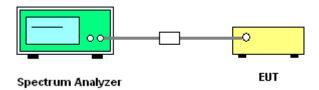
3.1.2 Measuring Instruments

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 ANSI C63.10-2013 clause 11.8
- 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. Measure and record the results in the test report.

3.1.4 Test Setup



TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 12 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B

3.1.5 Test Result of 6dB Bandwidth

Please refer to Appendix A.

6 dB Bandwidth Plot on Channel 00

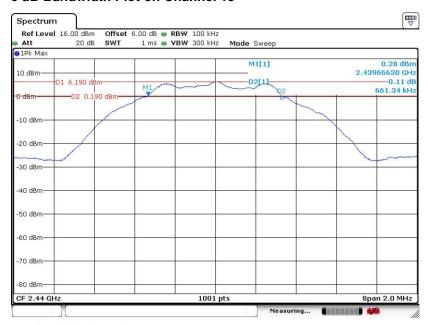


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TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 13 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

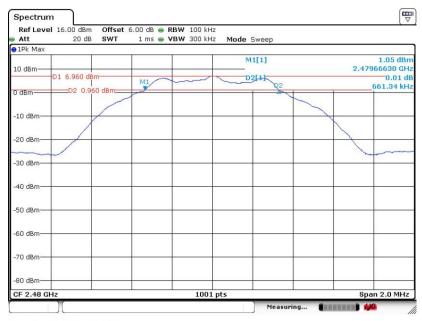
Report No.: FR051501-01B

6 dB Bandwidth Plot on Channel 19



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6 dB Bandwidth Plot on Channel 39



Date: 11.AUG.2020 19:41:34

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TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 14 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B

3.2 Output Power Measurement

3.2.1 Limit of 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.

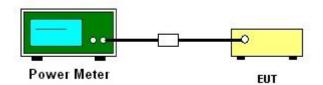
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

- The testing follows the Measurement Procedure of ANSI C63.10-2013 clause 11.9.1.3 PKPM1
 Peak power meter or ANSI C63.10-2013 clause 11.9.2.3.2 Method AVGPM-G method.
- 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



3.2.5 Test Result of Peak Output Power

Please refer to Appendix A.

3.2.6 Test Result of Average Output Power (Reporting Only)

Please refer to Appendix A.

Page Number : 15 of 34
Report Issued Date : Sep. 15, 2020

Report No.: FR051501-01B

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.

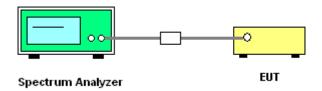
3.3.2 Measuring Instruments

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 of ANSI C63.10-2013 clause 11.10.2 Method PKPSD.
- 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) = 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



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

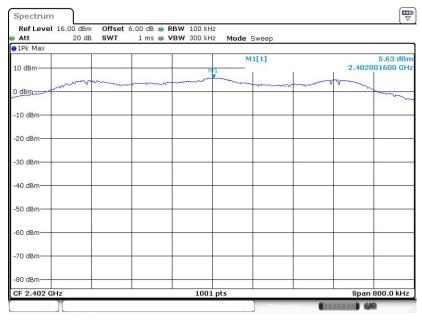
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TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 16 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B

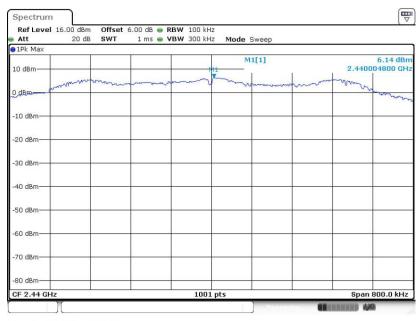
3.3.6 Test Result of Power Spectral Density Plots (100kHz)

PSD 100kHz Plot on Channel 00



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PSD 100kHz Plot on Channel 19

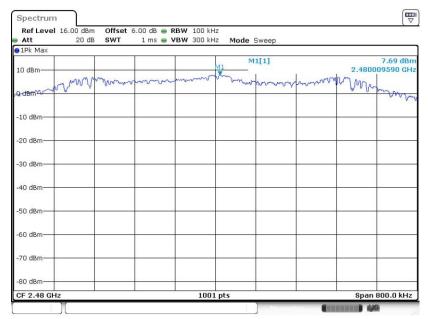


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TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 17 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B

PSD 100kHz Plot on Channel 39



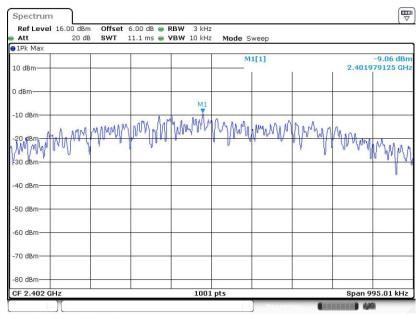
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TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 18 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No. : FR051501-01B

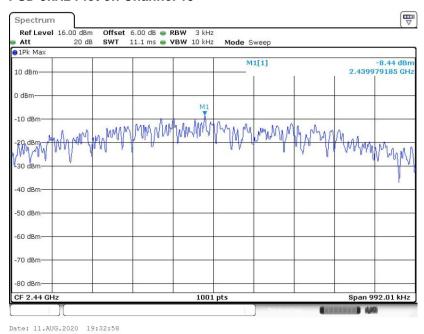
3.3.7 Test Result of Power Spectral Density Plots (3kHz)

PSD 3kHz Plot on Channel 00



Date: 11.AUG.2020 19:36:54

PSD 3kHz Plot on Channel 19

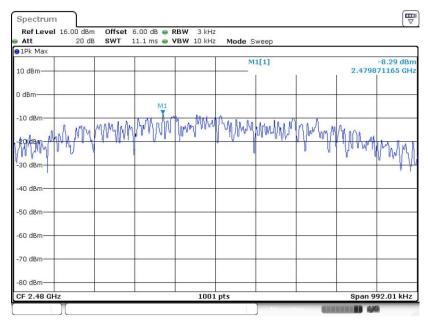


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TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 19 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B

PSD 3kHz Plot on Channel 39



Date: 11.AUG.2020 19:43:13

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 20 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B

3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 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.

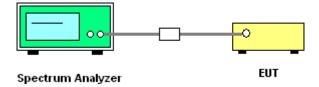
3.4.2 Measuring Instruments

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 ANSI C63.10-2013 clause 11.13
- 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.
- 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.

3.4.4 Test Setup



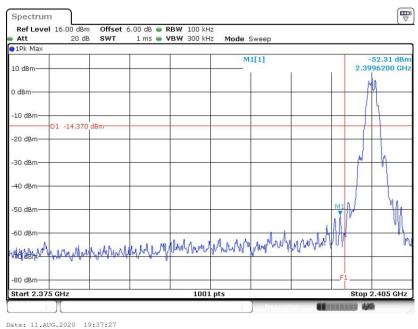
Sporton International (Kunshan) Inc. TEL: +86-512-57900158

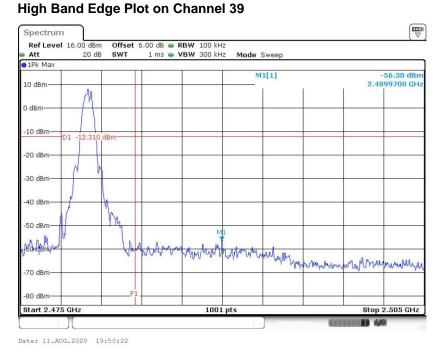
FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 21 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B

3.4.5 Test Result of Conducted Band Edges Plots

Low Band Edge Plot on Channel 00





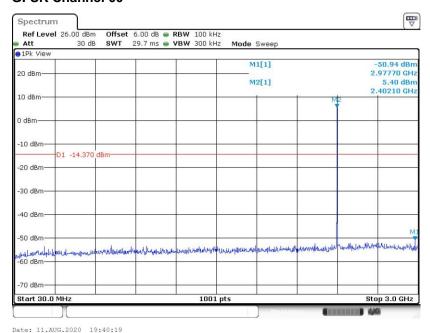
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Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

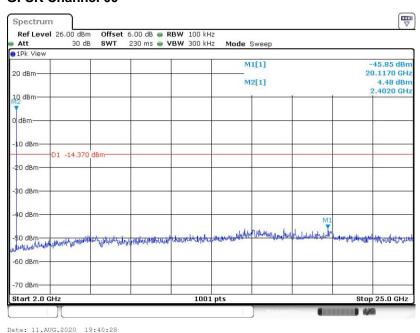
Report No.: FR051501-01B

3.4.6 Test Result of Conducted Spurious Emission Plots

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



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



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TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 23 of 34

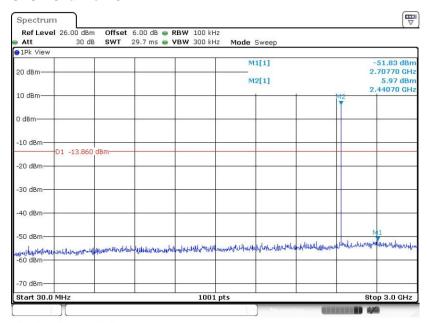
Report Issued Date : Sep. 15, 2020

Report Version : Rev. 04

Report No.: FR051501-01B

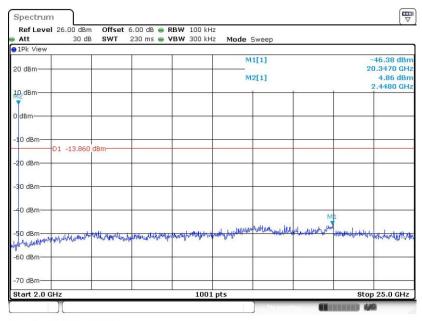
Report Version : Rev. 01

Conducted Spurious Emission Plot on Bluetooth LE 1Mbps **GFSK Channel 19**



Date: 11.AUG.2020 19:35:31

Conducted Spurious Emission Plot on Bluetooth LE 1Mbps **GFSK Channel 19**



Date: 11.AUG.2020 19:35:40

Sporton International (Kunshan) Inc.

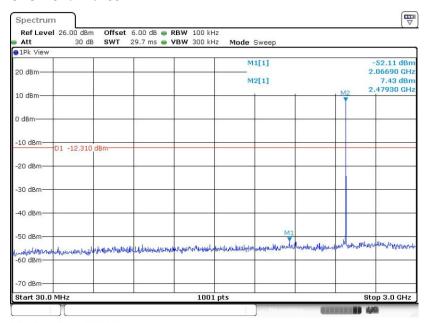
TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C

Page Number : 24 of 34 Report Issued Date: Sep. 15, 2020

Report No.: FR051501-01B

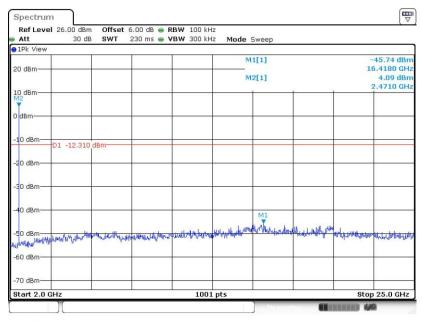
Report Version : Rev. 01

Conducted Spurious Emission Plot on Bluetooth LE 1Mbps GFSK Channel 39



Date: 11.AUG.2020 19:50:54

Conducted Spurious Emission Plot on Bluetooth LE 1Mbps GFSK Channel 39



Date: 11.AUG.2020 19:51:03

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 25 of 34
Report Issued Date : Sep. 15, 2020

Report No.: FR051501-01B

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 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.

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TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 26 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B

3.5.3 Test Procedures

- 1. The testing follows ANSI C63.10-2013 clause 11.11 & 11.12
- 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.
- 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.
- The EUT was set 3 meters from the interference receiving antenna, which was mounted on the 4. top of a variable height antenna tower.
- 5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
- 6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
- 7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 8. 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.

Sporton International (Kunshan) Inc. Page Number : 27 of 34 TEL: +86-512-57900158 Report Issued Date: Sep. 15, 2020 FAX: +86-512-57900958

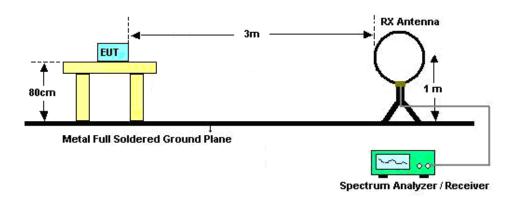
FCC ID: 2AVD3V350C Report Template No.: BU5-FR15CBLE Version 2.0

Report Version : Rev. 01

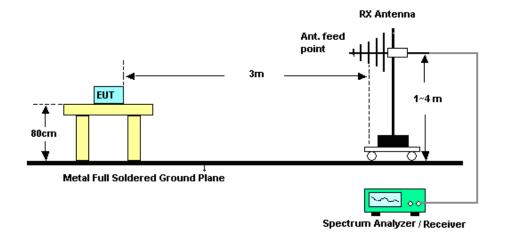
Report No.: FR051501-01B

3.5.4 Test Setup

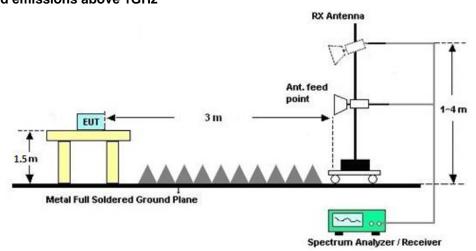
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 28 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B

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 was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.5.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 29 of 34

Report Issued Date : Sep. 15, 2020

Report Version : Rev. 01

Report Template No.: BU5-FR15CBLE Version 2.0

Report No.: FR051501-01B

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.

| Eroquency of emission (MUz) | Conducted limit (dBµV) | | |
|-----------------------------|------------------------|-----------|--|
| 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.
- 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.

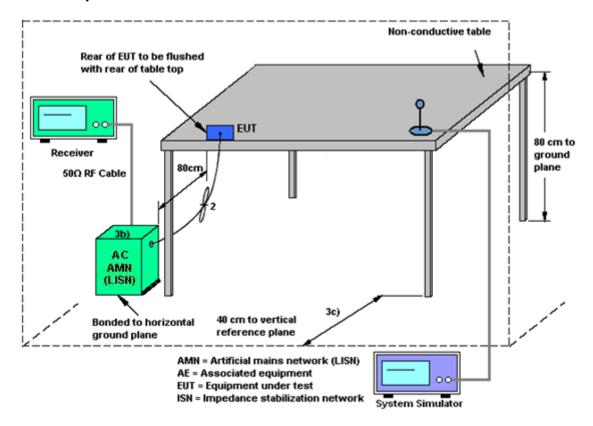
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TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 30 of 34
Report Issued Date : Sep. 15, 2020

Report No.: FR051501-01B

Report Version : Rev. 01
Report Template No.: BU5-FR15CBLE Version 2.0

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 31 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B

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 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.

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 32 of 34

Report Issued Date : Sep. 15, 2020

Report Version : Rev. 01

Report Template No.: BU5-FR15CBLE Version 2.0

Report No.: FR051501-01B

4 List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|-----------------------------------|--------------|----------------------------|------------------|----------------------------|---------------------|---------------------------------|---------------|--------------------------|
| Spectrum Analyzer | R&S | FSV40 | 101040 | 10Hz~40GHz | Nov. 02, 2019 | Aug. 11, 2020~ Aug. 12, 2020 | Nov. 01, 2020 | Conducted (TH01-KS) |
| Pulse Power Senor | Anritsu | MA2411B | 0917070 | 300MHz~40GH z | Jan. 15, 2020 | Aug. 11, 2020~ Aug. 12, 2020 | Jan. 14, 2021 | Conducted (TH01-KS) |
| Power Meter | Anritsu | ML2495A | 1005002 | 50MHz Bandwidth | Jan. 08, 2020 | Aug. 11, 2020~ Aug. 12, 2020 | Jan. 07, 2021 | Conducted (TH01-KS) |
| EMI Test Receiver | Keysight | N9038A | MY572901 51 | 3Hz~8.5GHz;M ax 30dBm | Jan. 02, 2020 | Aug. 31, 2020 | Jan. 01, 2021 | Radiation (03CH04-KS) |
| EXA Spectrum Analyzer | Keysight | N9010A | MY551502 44 | 10Hz-44G,MAX 30dB | Apr. 15, 2020 | Aug. 31, 2020 | Apr. 14, 2021 | Radiation (03CH04-KS) |
| Loop Antenna | R&S | HFH2-Z2 | 100321 | 9kHz~30MHz | Nov. 10, 2019 | Aug. 31, 2020 | Nov. 09, 2020 | Radiation (03CH04-KS) |
| Bilog Antenna | TeseQ | CBL6111D | 49922 | 30MHz-1GHz | Jan. 02, 2020 | Aug. 31, 2020 | Jan. 01, 2021 | Radiation (03CH04-KS) |
| Horn Antenna | Schwarzbeck | BBHA9120D | 1356 | 1GHz~18GHz | Apr. 20, 2020 | Aug. 31, 2020 | Apr. 19, 2021 | Radiation (03CH04-KS) |
| SHF-EHF Horn | Com-power | AH-840 | 101115 | 18GHz~40GHz | Nov. 10, 2019 | Aug. 31, 2020 | Nov. 09, 2020 | Radiation (03CH04-KS) |
| Amplifier | Burgeon | BPA-530 | 102219 | 0.01MHz ~3000MHz | Nov 02, 2019 | Aug. 31, 2020 | Nov 01, 2020 | Radiation (03CH04-KS) |
| Amplifier | MITEQ | EM18G40GG A | 060728 | 18~40GHz | Jan. 08, 2020 | Aug. 31, 2020 | Jan. 07, 2021 | Radiation (03CH04-KS) |
| high gain Amplifier | MITEQ | AMF-7D-0010 1800-30-10P | 2025788 | 1Ghz-18Ghz | Jan. 02, 2020 | Aug. 31, 2020 | Jan. 01, 2021 | Radiation (03CH04-KS) |
| Amplifier | Keysight | 83017A | MY572801 06 | 500MHz~26.5G Hz | Oct. 15, 2019 | Aug. 31, 2020 | Oct. 14, 2020 | Radiation (03CH04-KS) |
| AC Power Source | Chroma | 61601 | F1040900 04 | N/A | NCR | Aug. 31, 2020 | NCR | Radiation (03CH04-KS) |
| Turn Table | ChamPro | EM 1000-T | 060762-T | 0~360 degree | NCR | Aug. 31, 2020 | NCR | Radiation (03CH04-KS) |
| Antenna Mast | ChamPro | EM 1000-A | 060762-A | 1 m~4 m | NCR | Aug. 31, 2020 | NCR | Radiation (03CH04-KS) |
| EMI Receiver | R&S | ESCI7 | 100768 | 9kHz~7GHz; | Apr. 14, 2020 | Aug. 17, 2020 | Apr. 13, 2021 | Conduction (CO01-KS) |
| AC LISN (for auxiliary equipment) | MessTec | AN3016 | 060103 | 9kHz~30MHz | Oct. 18, 2019 | Aug. 17, 2020 | Oct. 17, 2020 | Conduction (CO01-KS) |
| AC LISN | MessTec | AN3016 | 060105 | 9kHz~30MHz | Oct. 28, 2019 | Aug. 17, 2020 | Oct. 27, 2020 | Conduction (CO01-KS) |
| AC Power Source | Chroma | 61602 | ABP00000 0811 | AC 0V~300V, 45Hz~1000Hz | Oct. 18, 2019 | Aug. 17, 2020 | Oct. 17, 2020 | Conduction (CO01-KS) |

NCR: No Calibration Required

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 33 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No. : FR051501-01B

5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

<u>Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)</u>

| Measuring Uncertainty for a Level of Confidence | 3 0 AB |
|---|--------|
| of 95% (U = 2Uc(y)) | 2.9 dB |

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

| Measuring Uncertainty for a Level of Confidence | |
|---|--------|
| of 95% (U = 2Uc(y)) | 5.0 dB |

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

| Measuring Uncertainty for a Level of Confidence | 5.1 dB |
|---|--------|
| of 95% (U = 2Uc(y)) | 5.1 db |

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 5.1 dB |
|---|--------|
|---|--------|

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : 34 of 34
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B

Appendix A. Conducted Test Results

Sporton International (Kunshan) Inc.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : A1 of A1
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No. : FR051501-01B

Report Number : FR051501-01B

Bluetooth Low Energy

| Test Engineer: | Asa Cheng | Temperature: | 20~26 | ç |
|----------------|---------------------|--------------------|-------|---|
| Test Date: | 2020/8/11~2020/8/12 | Relative Humidity: | 40~51 | % |

TEST RESULTS DATA 6dB and 99% Occupied Bandwidth

| Mod. | Data Rate | NTX | CH. | CH. Freq. Occupied BW (MHz) | | 6dB BW (MHz) | 6dB BW Limit (MHz) | Pass/Fail | |
|------|--------------|-----|-----|-----------------------------|------|-----------------|--------------------------|-----------|--|
| BLE | 1Mbps · | | 0 | 2402 | 1.02 | 0.66 | 0.50 | Pass | |
| BLE | 1Mbps 1 | | 19 | 2440 | 1.03 | 0.66 | 0.50 | Pass | |
| BLE | 1Mbps | 1 | 39 | 2480 | 1.03 | 0.66 | 0.50 | Pass | |

TEST RESULTS DATA Peak Power Table

| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Peak Conducted Power Limit (dBm) | | DG (dBi) | (dBi) Power (dBm) | | Pass /Fail | |
|------|--------------|-----|-----|----------------|----------------------------------|-------|-------------|-------------------|-------|---------------|--|
| BLE | 1Mbps | 1 | 0 | 2402 | 5.99 | 30.00 | -5.00 | -5.00 0.99 | | Pass | |
| BLE | 1Mbps | 1 | 19 | 2440 | 7.44 | 30.00 | -5.00 | 2.44 | 36.00 | Pass | |
| BLE | 1Mbps | 1 | 39 | 2480 | 7.21 | 30.00 | -5.00 | 2.21 | 36.00 | Pass | |

TEST RESULTS DATA Average Power Table (Reporting Only)

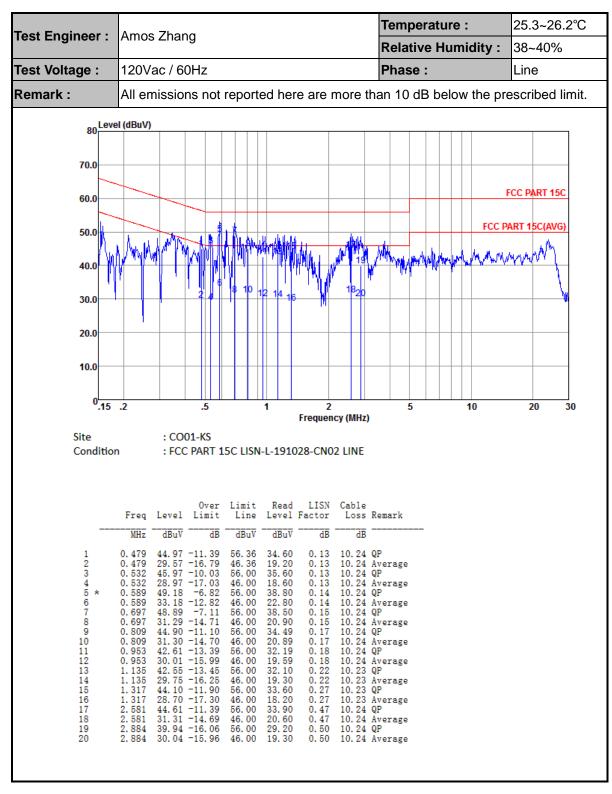
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) | Average Conducted Power (dBm) |
|------|--------------|-----|-----|----------------|------------------------|--|
| BLE | 1Mbps | 1 | 0 | 2402 | 2.04 | 5.44 |
| BLE | 1Mbps | 1 | 19 | 2440 | 2.04 | 6.98 |
| BLE | 1Mbps | 1 | 39 | 2480 | 2.04 | 6.74 |

TEST RESULTS DATA Peak Power Density

| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Peak PSD (dBm /100kHz) | Peak PSD (dBm /3kHz) | (dBm DG (dBi) | | Pass/Fail | |
|------|--------------|-----|-----|----------------|------------------------------|----------------------------|---------------|------|-----------|--|
| BLE | 1Mbps | 1 | 0 | 2402 | 5.63 | -9.06 | -5.00 | 8.00 | Pass | |
| BLE | 1Mbps | 1 | 19 | 2440 | 6.14 | -8.44 | -5.00 | 8.00 | Pass | |
| BLE | 1Mbps | 1 | 39 | 2480 | 7.69 | -8.29 | -5.00 | 8.00 | Pass | |

Note: PSD (dBm/ 100kHz) is a reference level used for Conducted Band Edges and Conducted Spurious Emission 20dBc limit.

Appendix B. AC Conducted Emission Test Results



TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : B1 of B2
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B

CC RF Test Report No.: FR051501-01B

| Tool Engineer | A | | Tempera | ture : | 25.3~26.2°C | | | | | | |
|-------------------|---|---|--|--|------------------------|--------------|--|--|--|--|--|
| Test Engineer : | Amos Zhar | ng | | Relative | Humidity : | 38~40% | | | | | |
| Test Voltage : | 120Vac / 60 | 0Hz | | Phase : | Phase : Neutral | | | | | | |
| Remark : | All emissio | ore than 10 dB | pelow the pre | escribed limit. | | | | | | | |
| 80 Leve | 80_Level (dBuV) | | | | | | | | | | |
| | | | | | | | | | | | |
| 70.0 | | | | | | | | | | | |
| 60.0 | | _ | | | F | CC PART 15C | | | | | |
| 50.0 | | 4 3 | | | FCC PA | ART 15C(AVG) | | | | | |
| 50.0 | | . In . I . I . I . I . I . I . I | A AND MANY SAN | AND | | | | | | | |
| 40.0 | | | | APP BLANDER PROPERTY | rush alah adhhu sh. eb | Jana Joh | | | | | |
| 30.0 | Y Y 1 | [] | 8 10 12 4 | 1 5 8 | | | | | | | |
| | | | | | | | | | | | |
| 20.0 | | | | | | | | | | | |
| 10.0 | | | | | | | | | | | |
| 0 | | | | | | | | | | | |
| 0.15 | .2 | .5 | 1 2 Frequence | 5 y (MHz) | 10 | 20 30 | | | | | |
| Site Condition | | 01-KS PART 15C LISM | N-N-191028-CN02 | NEUTRAI | | | | | | | |
| Condition | | TART 150 LIST | 11 131020 6102 | HEOTHAL | | | | | | | |
| | | | | | | | | | | | |
| | Freq Level | Over Limit Limit Line | Read LISN Level Factor | Cable Loss Remark | | | | | | | |
| | MHz dBuV | dB dBuV | dBuV dB | dB | | | | | | | |
| 1 2 3 * | 0.601 47.28 0.601 35.28 0.694 50.59 | -8. 72 56. 00 -10. 72 46. 00 -5. 41 56. 00 | 24.80 0.24 | 10.24 QP 10.24 Average 10.24 QP | | | | | | | |
| 4 5 | 0.694 37.39 | -8. 61 46. 00 -12. 29 56. 00 | 26.90 0.25 | 10.24 QF 10.24 Average 10.24 QP | | | | | | | |
| 6 7 | 1.077 43.85 | -13.99 46.00 -12.15 56.00 | 21.50 0.27 33.31 0.31 | 10.24 Average 10.23 QP | | | | | | | |
| 8 9 10 | 1.077 31.75 1.289 47.51 | -14. 25 46. 00 -8. 49 56. 00 -13. 79 46. 00 | 21. 21 0. 31 36. 91 0. 37 21. 61 0. 37 | 10.23 Average 10.23 QP 10.23 Average | | | | | | | |
| 11 12 | 1.441 44.54 | -11. 46 56. 00 -15. 06 46. 00 | 33.90 0.41 | 10.23 QP 10.23 Average | | | | | | | |
| | 1.552 30.97 | -13.73 56.00 -15.03 46.00 | 20.30 0.44 | 10.23 QP 10.23 Average | | | | | | | |
| 16 | 2.736 32.37 | -10.63 56.00 -13.63 46.00 -11.20 56.00 | 21.50 0.63 | 10.24 QP 10.24 Average 10.24 QP | | | | | | | |
| | | | 21.61 0.65 | | | | | | | | |
| | | | | | | | | | | | |

Note:

- 1. Level(dB μ V) = Read Level(dB μ V) + LISN Factor(dB) + Cable Loss(dB)
- 2. Over Limit(dB) = Level(dB μ V) Limit Line(dB μ V)

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TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : B2 of B2
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Appendix C. 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) |
| | | 2373.44 | 55.68 | -18.32 | 74 | 50.29 | 33.23 | 8.69 | 36.53 | 118 | 222 | Р | Н |
| | | 2378.77 | 46.08 | -7.92 | 54 | 40.69 | 33.23 | 8.69 | 36.53 | 118 | 222 | Α | Н |
| DI E | | 2402 | 102.86 | - | - | 97.27 | 33.4 | 8.72 | 36.53 | 118 | 222 | Р | Н |
| BLE CH 00 | | 2402 | 102.18 | - | - | 96.59 | 33.4 | 8.72 | 36.53 | 118 | 222 | Α | Н |
| 2402MHz | | 2360.05 | 56.11 | -17.89 | 74 | 50.92 | 33.05 | 8.66 | 36.52 | 145 | 232 | Р | V |
| 2402111112 | | 2386.7 | 46.19 | -7.81 | 54 | 40.6 | 33.4 | 8.72 | 36.53 | 145 | 232 | Α | V |
| | | 2402 | 102.16 | ı | ı | 96.57 | 33.4 | 8.72 | 36.53 | 145 | 232 | Р | V |
| | | 2402 | 101.62 | ı | 1 | 96.03 | 33.4 | 8.72 | 36.53 | 145 | 232 | Α | V |
| | | 2483.62 | 60.52 | -13.48 | 74 | 55.49 | 32.69 | 8.88 | 36.54 | 100 | 225 | Р | Н |
| | | 2483.5 | 47.51 | -6.49 | 54 | 42.48 | 32.69 | 8.88 | 36.54 | 100 | 225 | Α | Н |
| D. F. | | 2480 | 101.22 | - | - | 96.19 | 32.69 | 8.88 | 36.54 | 100 | 225 | Р | Н |
| BLE CH 39 | | 2480 | 100.62 | ı | ı | 95.59 | 32.69 | 8.88 | 36.54 | 100 | 225 | Α | Н |
| 2480MHz | | 2483.56 | 60.36 | -13.64 | 74 | 55.33 | 32.69 | 8.88 | 36.54 | 300 | 278 | Р | V |
| 2400111112 | | 2483.5 | 47.82 | -6.18 | 54 | 42.79 | 32.69 | 8.88 | 36.54 | 300 | 278 | Α | V |
| | | 2480 | 101.59 | ı | ı | 96.56 | 32.69 | 8.88 | 36.54 | 300 | 278 | Р | V |
| | | 2480 | 100.98 | - | - | 95.95 | 32.69 | 8.88 | 36.54 | 300 | 278 | Α | V |
| Remark 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. | | | | | | | | | | | | | |

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : C1 of C5
Report Issued Date : Sep. 15, 2020

Report No.: FR051501-01B

Report Version : Rev. 01

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) | $(dB\mu V/m)$ | (dBµV) | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| BLE | | 4806 | 42.95 | -31.05 | 74 | 59.12 | 34.68 | 12.47 | 63.32 | 300 | 0 | Р | Н |
| CH 00 | | | | | | | | | | | | | |
| 2402MHz | | 4806 | 42.82 | -31.18 | 74 | 58.99 | 34.68 | 12.47 | 63.32 | 300 | 360 | Р | V |
| | | 4878 | 41.84 | -32.16 | 74 | 57.9 | 34.72 | 12.58 | 63.36 | 300 | 0 | Р | Н |
| BLE CH 19 | | 7320 | 45.54 | -28.46 | 74 | 57.17 | 36.54 | 15.69 | 63.86 | 300 | 0 | Р | Н |
| 2440MHz | | 4878 | 41.92 | -32.08 | 74 | 57.98 | 34.72 | 12.58 | 63.36 | 300 | 360 | Р | V |
| 244011112 | | 7320 | 44.38 | -29.62 | 74 | 56.01 | 36.54 | 15.69 | 63.86 | 300 | 360 | Р | V |
| DI E | | 4962 | 42.49 | -31.51 | 74 | 58.42 | 34.77 | 12.71 | 63.41 | 300 | 0 | Р | Н |
| BLE | | 7440 | 45.15 | -28.85 | 74 | 56.79 | 36.44 | 15.79 | 63.87 | 300 | 0 | Р | Н |
| CH 39 2480MHz | | 4962 | 41.46 | -32.54 | 74 | 57.39 | 34.77 | 12.71 | 63.41 | 300 | 360 | Р | V |
| 240UNITZ | | 7440 | 44.5 | -29.5 | 74 | 56.14 | 36.44 | 15.79 | 63.87 | 300 | 360 | Р | V |

Remark

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TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : C2 of C5
Report Issued Date : Sep. 15, 2020

Report No.: FR051501-01B

Report Version : Rev. 01

^{1.} 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) | $(dB\mu V/m)$ | $(dB\mu V)$ | (dB/m) | (dB) | (dB) | (cm) | (deg) | (P/A) | (H/V) |
| | | 31.94 | 18.62 | -21.38 | 40 | 28.1 | 22.48 | 1.1 | 33.06 | - | - | Р | Н |
| | | 177.44 | 22.63 | -20.87 | 43.5 | 37.38 | 16.09 | 2.11 | 32.95 | - | - | Р | Н |
| | | 215.27 | 20.87 | -22.63 | 43.5 | 35.25 | 16.18 | 2.31 | 32.87 | - | 1 | Р | Н |
| | | 288.99 | 22.5 | -23.5 | 46 | 33.39 | 19.15 | 2.68 | 32.72 | ı | ı | Р | Н |
| | | 931.13 | 28.5 | -17.5 | 46 | 25.72 | 30.24 | 4.68 | 32.14 | 100 | 0 | Р | Н |
| 2.4GHz | | 964.11 | 29.69 | -24.31 | 54 | 26.28 | 30.74 | 4.74 | 32.07 | - | - | Р | Н |
| BLE LF | | 52.31 | 16.57 | -23.43 | 40 | 34.46 | 14 | 1.25 | 33.14 | - | - | Р | V |
| LF | | 175.5 | 23.62 | -19.88 | 43.5 | 38.29 | 16.18 | 2.1 | 32.95 | - | - | Р | V |
| | | 212.36 | 21.61 | -21.89 | 43.5 | 36.21 | 15.98 | 2.3 | 32.88 | - | - | Р | V |
| | | 293.84 | 22.29 | -23.71 | 46 | 33.08 | 19.22 | 2.7 | 32.71 | - | - | Р | V |
| | | 938.89 | 29.4 | -16.6 | 46 | 26.35 | 30.48 | 4.69 | 32.12 | 100 | 0 | Р | V |
| | | 970.9 | 29.67 | -24.33 | 54 | 26.26 | 30.72 | 4.75 | 32.06 | 1 | - | Р | V |
| Remark | No other spurious found. rk 2. All results are PASS against limit line. | | | | | | | | | | | | |

All results are PASS against limit line.

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C

Page Number : C3 of C5 Report Issued Date : Sep. 15, 2020

Report No. : FR051501-01B

Report Version : Rev. 01

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 | | | | | | |

TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : C4 of C5
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No. : FR051501-01B

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) | (dBµV) | (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(dBµV/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(dBµV) Preamp Factor(dB)
- $= 32.22(dB/m) + 4.58(dB) + 42.6(dB\mu V) 35.86 (dB)$
- $= 43.54 (dB\mu V/m)$
- 2. 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 (Kunshan) Inc. TEL: +86-512-57900158

FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : C5 of C5
Report Issued Date : Sep. 15, 2020

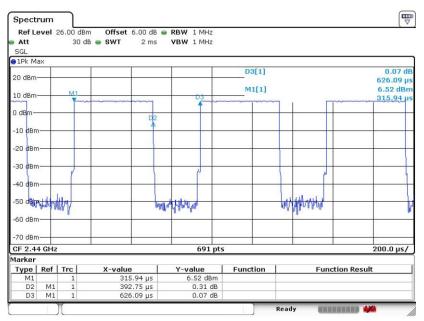
Report No.: FR051501-01B

Report Version : Rev. 01

Appendix D. Duty Cycle Plots

| Band | Duty Cycle(%) | T(ms) | 1/T(kHz) | VBW Setting | |
|--------------|---------------|-------|----------|-------------|--|
| Bluetooth LE | 62.73 | 0.393 | 2.546 | 2.7KHz | |

Bluetooth LE



TEL: +86-512-57900158 FAX: +86-512-57900958 FCC ID: 2AVD3V350C Page Number : D-1 of D1
Report Issued Date : Sep. 15, 2020
Report Version : Rev. 01

Report No.: FR051501-01B