

TEST REPORT

Report No.: BCTC2105684734E

Applicant: Shenzhen Yolanda Technology Co., Ltd.

Product Name: Smart Kitchen Scale

Model/Type Ref.: CK10A

CK10B, CK10C, CK10E, CK10F, CK10G, CK20A

Tested Date: 2021-05-31 to 2021-06-02

2021-06-03

Issued Date:



No.: BCTC/RF-EMC-005 Page 1 of 46 / Edition: /A.3



FCC ID: 2ANDX-CK10A1

Smart Kitchen Scale **Product Name:**

Trademark: N/A

CK10A

Model/Type Ref.: CK10B, CK10C, CK10E, CK10F, CK10G, CK20A

Prepared For: Shenzhen Yolanda Technology Co., Ltd.

Room201-202, NO.49-1, 28Area, DabaoRoad, Xinan Street, Address:

Baoan, Shenzhen, China

Manufacturer: Shenzhen Yolanda Technology Co., Ltd.

Room201-202, NO.49-1, 28Area, DabaoRoad, Xinan Street, Address:

Baoan, Shenzhen, China

Shenzhen BCTC Testing Co., Ltd. Prepared By:

1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan

1st Road, Tangwei, Fuhai Subdistrict, Bao'an District, Address:

Shenzhen, Guangdong, China.

Sample Received Date: 2021-05-31

Sample tested Date: 2021-05-31 to 2021-06-02

Issue Date: 2021-06-03

Report No.: BCTC2105684734E

FCC Part15.247 Test Standards ANSI C63.10-2013

Test Results PASS

Remark: This is Bluetooth BLE radio test report.

Tested by:

Eric Yang/Project Handler

Approved by:

Zero Zhou/Reviewer

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

No.: BCTC/RF-EMC-005 Page 2 of 46 Edition: A.3



TABLE OF CONTENT

| Test | Report Declaration | Page |
|------|--|---|
| 1. | VERSION | 5 |
| 2. | TEST SUMMARY | |
| 3. | MEASUREMENT UNCERTAINTY | |
| 4. | PRODUCT INFORMATION AND TEST SETUP | |
| 4.1 | Product Information | 8 |
| 4.2 | Test Setup Configuration | 8 |
| 4.3 | Support Equipment | 9 |
| 4.4 | Channel List | 9 |
| 4.5 | Test Mode | |
| 4.6 | table of parameters of text software setting | |
| 5. | TEST FACILITY AND TEST INSTRUMENT USED | 11 |
| 5.1 | Test Facility | |
| 5.2 | Test Instrument Used | |
| 6. | CONDUCTED EMISSIONS | 13 |
| 6.1 | Block Diagram Of Test Setup | 13 |
| 6.2 | Limit | 13 |
| 6.3 | Test procedure | 13 |
| 6.4 | EUT operating Conditions | 13 |
| 6.5 | Test Result | 13 |
| 7. | RADIATED EMISSIONS | 14 |
| 7.1 | Block Diagram Of Test Setup | 14 |
| 7.2 | Limit | |
| 7.3 | Test procedure | |
| 7.4 | EUT operating Conditions | 18 |
| 7.5 | Test Result | 19 |
| 8. | RADIATED BAND EMISSION MEASUREMENT AND RESTRICTED | 1111/ |
| | NDS OF OPERATION | 23 |
| | Block Diagram Of Test Setup | 23 |
| 8.2 | Limit | 23 |
| 8.3 | Test procedure | 24 |
| 8.4 | EUT operating Conditions | 24 |
| 8.5 | Test Result | 25 |
| 9. | Limit Test procedure EUT operating Conditions Test Result POWER SPECTRAL DENSITY TEST | 26 |
| 9.1 | Plack Diagram Of Toot Catus | 26 |
| 9.2 | Limit | 26 |
| 9.3 | Limit Test procedure ELIT operating Conditions | 26 |
| 9.4 | | / |
| 9.5 | Test Result | |
| 10. | BANDWIDTH TEST | 31 |



| 10.1 | Block Diagram Of Test Setup | 31 |
|------|--|----|
| 10.2 | Limit | 31 |
| 10.3 | Test procedure | 31 |
| 10.4 | EUT operating Conditions | 31 |
| 10.5 | Test Result | 32 |
| 11. | PEAK OUTPUT POWER TEST | 36 |
| 11.1 | Block Diagram Of Test Setup | 36 |
| 11.2 | Limit | 36 |
| 11.3 | Test procedure | 36 |
| 11.4 | EUT operating Conditions | 36 |
| 11.5 | | |
| 12. | 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE | 38 |
| 12.1 | Block Diagram Of Test Setup | 38 |
| 12.2 | Limit | 38 |
| 12.3 | Test procedure | 38 |
| 12.4 | | |
| 12.5 | | |
| 13. | ANTENNA REQUIREMENT | |
| 13.1 | Limit | 43 |
| | Test Result | |
| 14. | EUT PHOTOGRAPHS | 44 |
| 15. | EUT TEST SETUP PHOTOGRAPHS | 45 |

(Note: N/A means not applicable)

No.: BCTC/RF-EMC-005

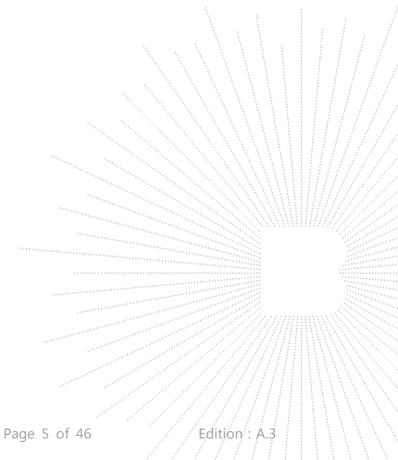
Page 4 of 46

Edition: A.3



1. VERSION

| Report No. | Issue Date | Description | Approved |
|-----------------|------------|-------------|----------|
| BCTC2105684734E | 2021-06-03 | Original | Valid |
| | | | |



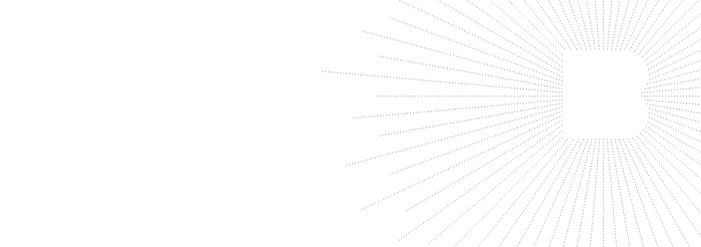
No.: BCTC/RF-EMC-005 Page 5 of 46 / Editio



2. TEST SUMMARY

The Product has been tested according to the following specifications:

| No. | Test Parameter | Clause No | Results |
|-----|-----------------------------------|-----------------------|---------|
| 1 | Conducted Emission | 15.207 | N/A |
| 2 | 6dB Bandwidth | 15.247 (a)(2) | PASS |
| 3 | Peak Output Power | 15.247 (b) | PASS |
| 4 | Radiated Spurious Emission | 15.247 (d), 15.205 | PASS |
| 5 | Power Spectral Density | 15.247 (e) | PASS |
| 6 | Restricted Band of Operation | 15.205 | PASS |
| 7 | Band Edge (Out of Band Emissions) | 15.247(d) | PASS |
| 8 | Antenna Requirement | 15.203 | PASS |



No.: BCTC/RF-EMC-005 Page 6 of 46 / Edition: A.3



3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

| No. | Item | Uncertainty |
|-----|--|-------------|
| 1 | 3m chamber Radiated spurious emission(30MHz-1GHz) | U=4.3dB |
| 2 | 3m chamber Radiated spurious emission(1GHz-18GHz) | U=4.5dB |
| 3 | 3m chamber Radiated spurious emission(18GHz-40GHz) | U=3.34dB |
| 4 | Conducted Adjacent channel power | U=1.38dB |
| 5 | Conducted output power uncertainty Above 1G | U=1.576dB |
| 6 | Conducted output power uncertainty below 1G | U=1.28dB |
| 7 | humidity uncertainty | U=5.3% |
| 8 | Temperature uncertainty | U=0.59℃ |

No.: BCTC/RF-EMC-005 Page 7 of 46 / Edition: A.3



4. PRODUCT INFORMATION AND TEST SETUP

4.1 Product Information

Model/Type Ref.: CK10A

CK10B, CK10C, CK10E, CK10F, CK10G, CK20A

Model differences: All the model are the same circuit and RF module, except model

names.

Bluetooth Version: BLE 5.0

Hardware Version: N/A
Software Version: N/A

Operation Frequency: Bluetooth: 2402-2480MHz

Type of Modulation: Bluetooth: GFSK

Bluetooth Configuration: LE (Support 1Mbps, 2Mbps)

Number Of Channel 40CH

Antenna installation: Bluetooth: PCB antenna

Antenna Gain: Bluetooth: 0dBi

Ratings: DC 4.5V From Battery

4.2 Test Setup Configuration

See test photographs attached in *EUT TEST SETUP PHOTOGRAPHS* for the actual connections between Product and support equipment.

Radiated Spurious Emission

E-1 EUT

No.: BCTC/RF-EMC-005 Page 8 of 46 / Edition: A.3



4.3 Support Equipment

| No. | Device Type | Brand | Model | Series No. | Note |
|-----|-------------|-------|-------|------------|------|
| | | | | | |
| | | | | | |
| | | | | | |

Notes:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.4 Channel List

| Onamio L | Official List | | | | | | |
|----------|--------------------|---------|--------------------|---------|--------------------|--|--|
| | Channel List | | | | | | |
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | | |
| 01 | 2402 | 11 | 2422 | 21 | 2442 | | |
| 02 | 2404 | 12 | 2424 | 22 | 2444 | | |
| 03 | 2406 | 13 | 2426 | 23 | 2446 | | |
| ~ | 7 | ~ | ~ | ~ | ~~~ | | |
| 09 | 2418 | 19 | 2438 | 39 | 2478 | | |
| 10 | 2420 | 20 | 2440 | 40 | 2480 | | |

No.: BCTC/RF-EMC-005 Page 9 of 46 / Edition/: A.3



4.5 Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

| For All Mode | Description | Modulation Type | |
|--------------|-------------------------------|-----------------|--|
| Mode 1 | CH01(1Mbps) | | |
| Mode 2 | CH20(1Mbps) | | |
| Mode 3 | Mode 3 CH40(1Mbps) | | |
| Mode 4 | CH01(2Mbps) | GFSK | |
| Mode 5 | CH20(2Mbps) | | |
| Mode 6 | CH40(2Mbps) | | |
| Mode 7 | Link mode (Radiated emission) | | |

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) Fully-charged battery is used during the test

4.6 table of parameters of text software setting

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters

| Test software Version | F | 2 | |
|--------------------------|----------|----------|----------|
| Frequency | 2402 MHz | 2440 MHz | 2480 MHz |
| Parameters | DEF | DEF | DEF |

No.: BCTC/RF-EMC-005 Page 10 of 46 Edition / A.3



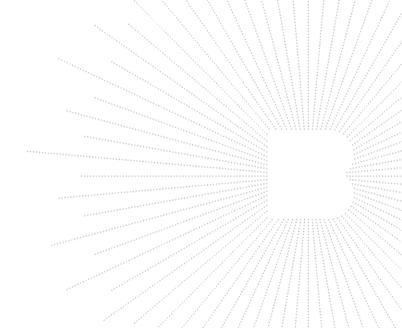
5. TEST FACILITY AND TEST INSTRUMENT USED

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address:1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

FCC Test Firm Registration Number: 712850

IC Registered No.: 23583



No.: BCTC/RF-EMC-005 Page 11 of 46 / Edition / A.3



5.2 Test Instrument Used

Report No.: BCTC2105684734E

| Radiated emissions Test (966 chamber) | | | | | |
|---------------------------------------|--------------|---------------|---------------|---------------|--|
| Equipment | Manufacturer | Model# | Serial# | Last Cal. | Next Cal. |
| 966 chamber | ChengYu | 966 Room | 966 | Jun. 06. 2020 | Jun. 05, 2023 |
| Receiver | R&S | ESR3 | 102075 | Jun. 08, 2020 | Jun. 07, 2021 |
| Receiver | R&S | ESRP | 101154 | Jun. 08, 2020 | Jun. 07, 2021 |
| Amplifier | Schwarzbeck | BBV9718 | 9718-309 | Jun. 04, 2020 | Jun. 03, 2021 |
| Amplifier | Schwarzbeck | BBV9744 | 9744-0037 | Jun. 04, 2020 | Jun. 03, 2021 |
| TRILOG Broadband Antenna | schwarzbeck | VULB 9163 | VULB9163-942 | Jun. 08, 2020 | Jun. 07, 2021 |
| Horn Antenna | SCHWARZBECK | BBHA9120D | 1201 | Jun. 10, 2020 | Jun. 09, 2021 |
| Horn Antenna (18GHz-40GHz) | SCHWARZBECK | BBHA9170 | 822 | Jun. 10, 2020 | Jun. 09, 2021 |
| Amplifier (18GHz-40GHz) | MITEQ | TTA1840-35-HG | 2034381 | Jun. 08, 2020 | Jun. 07, 2021 |
| Loop Antenna (9KHz-30MHz) | SCHWARZBECK | FMZB1519B | 014 | Jun. 08, 2020 | Jun. 07, 2021 |
| RF cables1 (9kHz-30MHz) | Huber+Suhnar | 9kHz-30MHz | B1702988-0008 | Jun. 08, 2020 | Jun. 07, 2021 |
| RF cables2 (30MHz-1GHz) | Huber+Suhnar | 30MHz-1GHz | 1486150 | Jun. 08, 2020 | Jun. 07, 2021 |
| RF cables3 (1GHz-40GHz) | Huber+Suhnar | 1GHz-40GHz | 1607106 | Jun. 08, 2020 | Jun. 07, 2021 |
| Power Metter | Keysight | E4419B | \ | Jun. 08, 2020 | Jun. 07, 2021 |
| Power Sensor (AV) | Keysight | E9 300A | \ | Jun. 08, 2020 | Jun. 07, 2021 |
| Signal Analyzer 20kHz-26.5GHz | KEYSIGHT | N9020A | MY49100060 | Jun. 04, 2020 | Jun. 03, 2021 |
| Spectrum Analyzer 9kHz-40GHz | Agilent | FSP40 | 100363 | Jun. 13, 2020 | Jun. 12, 2021 |
| Software | Frad | EZ-EMC | FA-03A2 RE | | ///////////////////////////////////// |

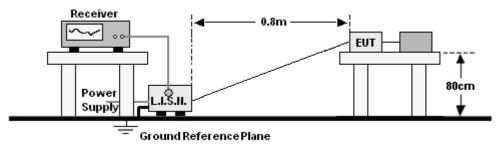
| RF Conducted Test | | | | |
|----------------------------------|--------------|--------|------------|-----------------------------|
| Equipment | Manufacturer | Model# | Serial# | Last Cal. Next Cal. |
| Signal Analyzer 20kHz-26.5GHz | KEYSIGHT | N9020A | MY49100060 | Jun. 04, 2020 Jun. 03, 2021 |

No.: BCTC/RF-EMC-005 Page 12 of 46 / Edition / A/3



6. CONDUCTED EMISSIONS

6.1 Block Diagram Of Test Setup



6.2 Limit

| EDEOLIENCY (MHz) | Limit (dBuV) | | |
|------------------|--------------|-----------|--|
| FREQUENCY (MHz) | Quas-peak | Average | |
| 0.15 -0.5 | 66 - 56 * | 56 - 46 * | |
| 0.50 -5.0 | 56.00 | 46.00 | |
| 5.0 -30.0 | 60.00 | 50.00 | |

Notes:

- 1. *Decreasing linearly with logarithm of frequency.
- 2. The lower limit shall apply at the transition frequencies.

6.3 Test procedure

| Receiver Parameters | Setting |
|---------------------|----------|
| Attenuation | 10 dB |
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 kHz |

- a. The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.
- c. For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

6.4 EUT operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

6.5 Test Result

This EUT is powered by the battery only, this test item is not applicable.

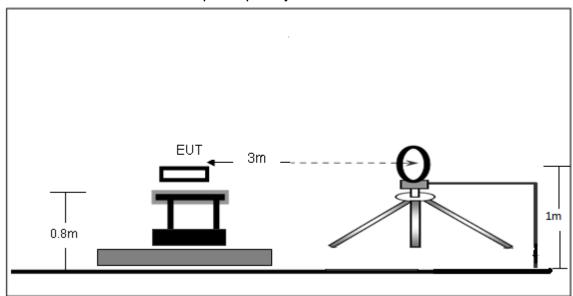
No.: BCTC/RF-EMC-005 Page 13 of 46 / Edition / A.3



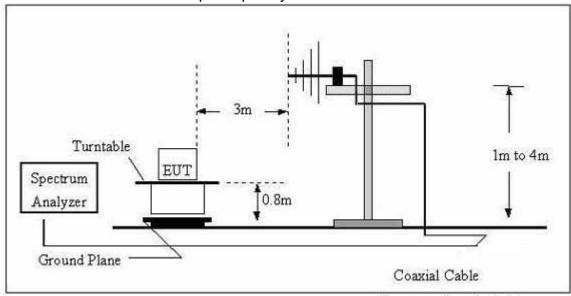
7. RADIATED EMISSIONS

7.1 Block Diagram Of Test Setup

(A) Radiated Emission Test-Up Frequency Below 30MHz



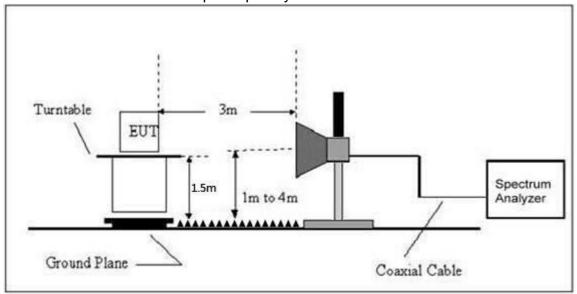
(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



No.: BCTC/RF-EMC-005 Page 14 of 46 Edition / A.3



(C) Radiated Emission Test-Up Frequency Above 1GHz



7.2 Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Frequency | Field Strength | Distance | Field Strength Limit at 3m Distance | | | |
|---------------|----------------|----------|-------------------------------------|--------------------------------------|--|--|
| (MHz) | uV/m | (m) | uV/m | dBuV/m | | |
| 0.009 ~ 0.490 | 2400/F(kHz) | 300 | 10000 * 2400/F(kHz) | 20log ^{(2400/F(kHz))} + 80 | | |
| 0.490 ~ 1.705 | 24000/F(kHz) | 30 | 100 * 24000/F(kHz) | 20log ^{(24000/F(kHz))} + 40 | | |
| 1.705 ~ 30 | 30 | 30 | 100 * 30 | 20log ⁽³⁰⁾ + 40 | | |
| 30 ~ 88 | 100 | 3 | 100 | 20log ⁽¹⁰⁰⁾ | | |
| 88 ~ 216 | 150 | 3 | 150 | 20log ⁽¹⁵⁰⁾ | | |
| 216 ~ 960 | 200 | 3 | 200 | 20log ⁽²⁰⁰⁾ | | |
| Above 960 | 500 | 3 | 500 | 20log ⁽⁵⁰⁰⁾ | | |

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

| FREQUENC | Limit (dBuV/ | (m) (at 3M) |
|------------|--------------|-------------|
| Y (MHz) | PEAK | AVERAGE |
| Above 1000 | 74 | 54 |

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

No.: BCTC/RF-EMC-005 Page 15 of 46 / Edition / A.3



FREQUENCY RANGE OF RADIATED MEASUREMENT

- (a) For an intentional radiator, the spectrum shall be investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up to at least the frequency shown in this paragraph:
- (1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- (2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
- (3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.
- (4) If the intentional radiator operates at or above 95 GHz: To the third harmonic of the highest fundamental frequency or to 750 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.
- (5) If the intentional radiator contains a digital device, regardless of whether this digital device controls the functions of the intentional radiator or the digital device is used for additional control or function purposes other than to enable the operation of the intentional radiator, the frequency range shall be investigated up to the range specified in paragraphs (a)(1) through (4) of this section or the range applicable to the digital device, as shown in paragraph (b)(1) of this section, whichever is the higher frequency range of investigation.

(b) For unintentional radiators:

(1) Except as otherwise indicated in paragraphs (b)(2) or (b)(3) of this section, for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

| Highest frequency generated or used in the device or on which the device operates or tunes (MHz) | Upper frequency of measurement range (MHz) |
|--|--|
| Below 1.705 | 30. |
| 1.705-108 | 1000. |
| 108-500 | 2000. |
| 500-1000 | 5000. |
| Above 1000 | 5th harmonic of the highest frequency or 40 GHz, whichever is lower. |

(2) A unintentional radiator, excluding a digital device, in which the highest frequency generated in the device, the highest frequency used in the device and the highest frequency on which the device operates or tunes are less than 30 MHz and which, in accordance with §15.109, is required to comply with standards on the level of radiated emissions within the frequency range 9 kHz to 30 MHz, such as a CB receiver or a device designed to conduct its radio frequency emissions via connecting wires or cables, e.g., a carrier current system not intended to radiate, shall be investigated from the lowest radio frequency generated or used in the device, without going below 9 kHz (25 MHz for CB receivers), up to the frequency shown in the following table. If the unintentional radiator contains a digital device, the upper frequency to be investigated shall be that shown in the table below or in the table in paragraph (b)(1) of this section, as based on both the highest frequency generated and the highest frequency used in the digital device, whichever range is higher.

No.: BCTC/RF-EMC-005 Page 16 of 46 / Edition : A.3



| | Upper frequency of measurement range (MHz) |
|-------------|--|
| Below 1.705 | 30 |
| 1.705-10 | 400 |
| 10-30 | 500 |

(3) Except for a CB receiver, a receiver employing superheterodyne techniques shall be investigated from 30 MHz up to at least the second harmonic of the highest local oscillator frequency generated in the device. If such receiver is controlled by a digital device, the frequency range shall be investigated up to the higher of the second harmonic of the highest local oscillator frequency generated in the device or the upper frequency of the measurement range specified for the digital device in paragraph (b)(1) of this section.

7.3 Test procedure

| Receiver Parameter | Setting |
|--------------------|-------------------|
| Attenuation | Auto |
| 9kHz~150kHz | RBW 200Hz for QP |
| 150kHz~30MHz | RBW 9kHz for QP |
| 30MHz~1000MHz | RBW 120kHz for QP |

| Spectrum Parameter | Setting |
|--------------------|--|
| 1-25GHz | RBW 1 MHz /VBW 1 MHz for Peak, RBW 1 MHz / VBW 10Hz for Average |

Below 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

No.: BCTC/RF-EMC-005 Page 17 of 46 / Edition / A.3



Above 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b.The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e.The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- g.Test the EUT in the Low, Middle and High channel.

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

7.4 EUT operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

No.: BCTC/RF-EMC-005 Page 18 of 46 / Edition / A.3



7.5 Test Result

Below 30MHz

| Temperature: | 26 ℃ | Relative Humidtity: | 24% |
|--------------|-------------|---------------------|---------|
| Pressure: | 101 kPa | Test Voltage: | DC 4.5V |
| Test Mode: | Mode 4 | Polarization : | |

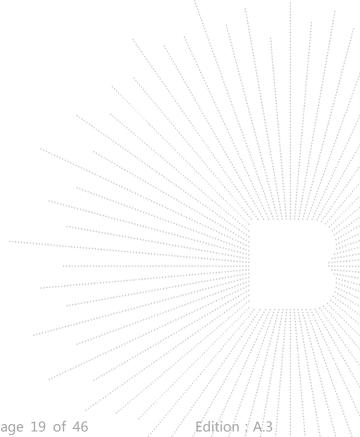
| Freq. | Reading | Limit | Margin | State |
|-------|----------|----------|--------|-------|
| (MHz) | (dBuV/m) | (dBuV/m) | (dB) | P/F |
| | | | | PASS |
| | | | | PASS |

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.



No.: BCTC/RF-EMC-005 Page 19 of 46 / Edition / A.S.



Between 30MHz – 1GHz

| Temperature: | 26℃ | Relative Humidtity: | 54% |
|--------------|---------|---------------------|------------|
| Pressure: | 101 kPa | Test Voltage: | DC 4.5V |
| Test Mode: | Mode 4 | Polarization : | Horizontal |



Remark:

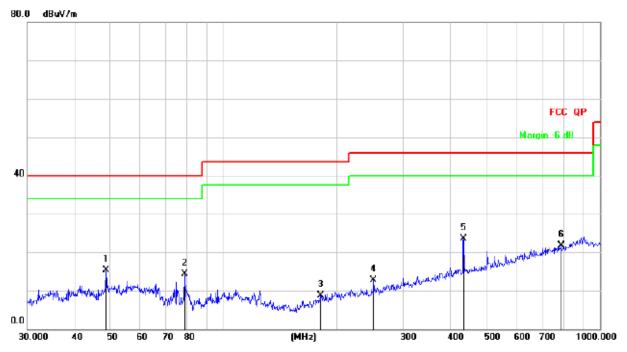
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------------------|------------------|-------|--------|----------|
| | | MHz | dBu∀ | dB | dBuV/m | dB/m | dB | Detector |
| 1 | | 40.5591 | 25.87 | -14.89 | 10.98 | 40.00 | -29.02 | QP |
| 2 | | 56.9912 | 25.99 | -14.49 | 11.50 | 40.00 | -28.50 | QP |
| 3 | | 108.6470 | 26.35 | -16.03 | 10.32 | 43.50 | -33.18 | QP |
| 4 | 2 | 221.3921 | 25.99 | -14.82 | 11.17 | 46.00 | -34.83 | QP |
| 5 | 2 | 266.6089 | 28.77 | -13.62 | 15.15 | 46.00 | -30.85 | QP |
| 6 | * 4 | 432.5457 | 32.59 | -8.99 | 23.60 | 46.00 | -22.40 | QP |

No.: BCTC/RF-EMC-005 Page 20 of 46 Edition / A:3



| Temperature: | 26℃ | Relative Humidtity: | 54% |
|--------------|---------|---------------------|----------|
| Pressure: | 101 kpa | Test Voltage: | DC 4.5V |
| Test Mode: | Mode 4 | Polarization: | Vertical |



Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

| No. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|----|----------|------------------|-------------------|------------------|-------|--------|----------|
| | | MHz | dBu∀ | dB | dBuV/m | dB/m | dB | Detector |
| 1 | | 48.6719 | 29.53 | -14.19 | 15.34 | 40.00 | -24.66 | QP |
| 2 | | 78.6888 | 33.60 | -19.21 | 14.39 | 40.00 | -25.61 | QP |
| 3 | | 180.6488 | 25.25 | -16.60 | 8.65 | 43.50 | -34.85 | QP |
| 4 | | 250.3012 | 26.89 | -14.22 | 12.67 | 46.00 | -33.33 | QP |
| 5 | × | 434.0651 | 32.47 | -8.96 | 23.51 | 46.00 | -22.49 | QP |
| 6 | | 787.8513 | 23.88 | -2.19 | 21.69 | 46.00 | -24.31 | QP |



Between 1GHz - 25GHz

| | | | GFSK(2Mb | ps) | | | | |
|-------|-------------|------------------|-------------------|------------------|--------------|--------|----------|--|
| Polar | Frequency | Reading Level | Correct Factor | Measure- ment | Limits | Over | Detector | |
| (H/V) | (MHz) | (dBuV/m) | (dB) | (dBuV/m) | (dBuV/ m) | (dB) | Туре | |
| | Low channel | | | | | | | |
| V | 4804.00 | 52.82 | -0.43 | 52.39 | 74.00 | -21.61 | PK | |
| V | 4804.00 | 43.76 | -0.43 | 43.33 | 54.00 | -10.67 | AV | |
| V | 7206.00 | 42.78 | 8.31 | 51.09 | 74.00 | -22.91 | PK | |
| V | 7206.00 | 32.59 | 8.31 | 40.90 | 54.00 | -13.10 | AV | |
| Н | 4804.00 | 50.55 | -0.43 | 50.12 | 74.00 | -23.88 | PK | |
| Н | 4804.00 | 40.29 | -0.43 | 39.86 | 54.00 | -14.14 | AV | |
| Н | 7206.00 | 40.20 | 8.31 | 48.51 | 74.00 | -25.49 | PK | |
| Н | 7206.00 | 32.93 | 8.31 | 41.24 | 54.00 | -12.76 | AV | |
| | | | Middle cha | nnel | | | | |
| V | 4880.00 | 49.61 | -0.38 | 49.23 | 74.00 | -24.77 | PK | |
| V | 4880.00 | 42.65 | -0.38 | 42.27 | 54.00 | -11.73 | AV | |
| V | 7320.00 | 40.96 | 8.83 | 49.79 | 74.00 | -24.21 | PK | |
| V | 7320.00 | 32.93 | 8.83 | 41.76 | 54.00 | -12.24 | AV | |
| Н | 4880.00 | 46.61 | -0.38 | 46.23 | 74.00 | -27.77 | PK | |
| Н | 4880.00 | 36.03 | -0.38 | 35.65 | 54.00 | -18.35 | AV | |
| Н | 7320.00 | 38.84 | 8.83 | 47.67 | 74.00 | -26.33 | PK | |
| Н | 7320.00 | 31.68 | 8.83 | 40.51 | 54.00 | -13.49 | AV | |
| | | | High chan | nel | | . \ \ | | |
| V | 4960.00 | 51.37 | -0.32 | 51.05 | 74.00 | -22.95 | PK | |
| V | 4960.00 | 41.23 | -0.32 | 40.91 | 54.00 | -13.09 | AV | |
| V | 7440.00 | 43.15 | 9.35 | 52.50 | 74.00 | -21.50 | PK | |
| V | 7440.00 | 34.11 | 9.35 | 43.46 | 54.00 | -10.54 | AV | |
| Н | 4960.00 | 48.85 | -0.32 | 48.53 | 74.00 | -25.47 | PK / | |
| Н | 4960.00 | 39.81 | -0.32 | 39.49 | 54.00 | -14.51 | AV | |
| Н | 7440.00 | 41.82 | 9.35 | 51.17 | 74.00 | -22.83 | PK | |
| Н | 7440.00 | 34.57 | 9.35 | 43.92 | 54.00 | -10.08 | AV | |

Remark:

- 1.Emission Level = Meter Reading + Factor,
 Factor = Antenna Factor + Cable Loss Pre-amplifier.

 Over= Emission Level Limit
- 2.If peak below the average limit, the average emission was no test.
- 3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
- 4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
- 5. This report only shows the worst case test data.

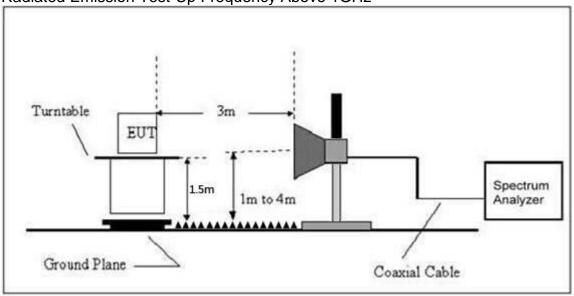
No.: BCTC/RF-EMC-005 Page 22 of 46 / Edition / A.3



8. RADIATED BAND EMISSION MEASUREMENT AND RESTRICTED BANDS OF OPERATION

8.1 Block Diagram Of Test Setup

Radiated Emission Test-Up Frequency Above 1GHz



8.2 Limit

FCC Part15 C Section 15.209 and 15.205

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

| MHz | MHz | MHz | GHz |
|--------------------------|---------------------|---------------|------------------|
| 0.090-0.110 | 16.42-16.423 | 399.9-410 | 4.5-5.15 |
| ¹ 0.495-0.505 | 16.69475-16.69525 | 608-614 | 5.35-5.46 |
| 2.1735-2.1905 | 16.80425-16.80475 | 960-1240 | 7.25-7.75 |
| 4.125-4.128 | 25.5-25.67 | 1300-1427 | 8.025-8.5 |
| 4.17725-4.17775 | 37.5-38.25 | 1435-1626.5 | 9.0-9.2 |
| 4.20725-4.20775 | 73-74.6 | 1645.5-1646.5 | 9.3-9.5 |
| 6.215-6.218 | 74.8-75.2 | 1660-1710 | 10.6-12.7 |
| 6.26775-6.26825 | 108-121.94 | 1718.8-1722.2 | 13.25-13.4 |
| 6.31175-6.31225 | 123-138 | 2200-2300 | 14.47-14.5 |
| 8.291-8.294 | 149.9-150.05 | 2310-2390 | 15.35-16.2 |
| 8.362-8.366 | 156.52475-156.52525 | 2483.5-2500 | 17.7-21.4 |
| 8.37625-8.38675 | 156.7-156.9 | 2690-2900 | 22.01-23.12 |
| 8.41425-8.41475 | 162.0125-167.17 | 3260-3267 | 23.6-24.0 |
| 12.29-12.293 | 167.72-173.2 | 3332-3339 | 31.2-31.8 |
| 12.51975-12.52025 | 240-285 | 3345.8-3358 | 36.43-36.5 |
| 12.57675-12.57725 | 322-335.4 | 3600-4400 | (²) |
| 13.36-13.41 | | | |

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

| | INICOIOIT INEX CONTENTE | (/ tbo voocotvii (2) | |
|------------|-------------------------|----------------------|--|
| FREQUENC | Limit (dBuV/m) (at 3M) | | |
| Y (MHz) | PEAK | AVERAGE | |
| Above 1000 | 74 | 54 | |

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

No.: BCTC/RF-EMC-005 Page 23 of 46 / Edition / A.3



- (2) The tighter limit applies at the band edges.
- (3)Emission level (dBuV/m)=20log Emission level (uV/m).

8.3 Test procedure

| Receiver Parameter | Setting |
|---------------------------------------|--|
| Attenuation | Auto |
| Start Frequency | 2300MHz |
| Stop Frequency | 2520 |
| RB / VB (emission in restricted band) | 1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average |

Above 1GHz test procedure as below:

- a.The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b.The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c.The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d.For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e.The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the Highest channel.

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

8.4 EUT operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

No.: BCTC/RF-EMC-005 Page 24 of 46 / Edition / A.3



8.5 Test Result

| | Polar (H/V) | | Level Fa | Correct Factor | Measure- ment (dBuV/m) | Limits (dBuV/m) | | Result |
|---------|---------------------|---------|----------|-------------------|------------------------------|--------------------|-------|--------|
| | (1.17.7) | (| (dBuV/m) | (dB) | PK | PK | AV | |
| | Low Channel 2402MHz | | | | | | | |
| | Н | 2390.00 | 56.27 | -6.70 | 49.57 | 74.00 | 54.00 | PASS |
| | Н | 2400.00 | 49.17 | -6.71 | 42.46 | 74.00 | 54.00 | PASS |
| | V | 2390.00 | 56.16 | -6.70 | 49.46 | 74.00 | 54.00 | PASS |
| GFSK | V | 2400.00 | 47.65 | -6.71 | 40.94 | 74.00 | 54.00 | PASS |
| (2Mbps) | | | High | Channel 2 | 2480MHz | | | |
| | Η | 2483.50 | 56.74 | -6.79 | 49.95 | 74.00 | 54.00 | PASS |
| | Н | 2485.00 | 47.80 | -6.81 | 40.99 | 74.00 | 54.00 | PASS |
| | V | 2483.50 | 55.24 | -6.79 | 48.45 | 74.00 | 54.00 | PASS |
| | V | 2485.00 | 48.15 | -6.81 | 41.34 | 74.00 | 54.00 | PASS |

Remark:

1. Emission Level = Meter Reading + Factor,

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

Over= Emission Level - Limit

- 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.
- 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
- 4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
- 5. This report only shows the worst case test data.

No.: BCTC/RF-EMC-005 Page 25 of 46 Edition / A.3.



9. POWER SPECTRAL DENSITY TEST

9.1 Block Diagram Of Test Setup

| EUT | • | SPECTRUM |
|-----|---|----------|
| | | ANALYZER |

9.2 Limit

| FCC Part15 (15.247) , Subpart C | | | | | | |
|---------------------------------|---------------------------|------------------------|--------------------------|--------|--|--|
| Section | Test Item | Limit | Frequency Range (MHz) | Result | | |
| 15.247 | Power Spectral Density | 8 dBm (in any 3KHz) | 2400-2483.5 | PASS | | |

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

9.3 Test procedure

- 1. Set analyzer center frequency to DTS channel center frequency.
- 2. Set the span to 1.5 times the DTS bandwidth.
- 3. Set the RBW to: 3 kHz
- 4. Set the VBW ≥ $3 \times RBW$.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level within the RBW.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

9.4 EUT operating Conditions

The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Note: Power Spectral Density(dBm)=Reading+Cable Loss

No.: BCTC/RF-EMC-005 Page 26 of 46 / Edition / A/3

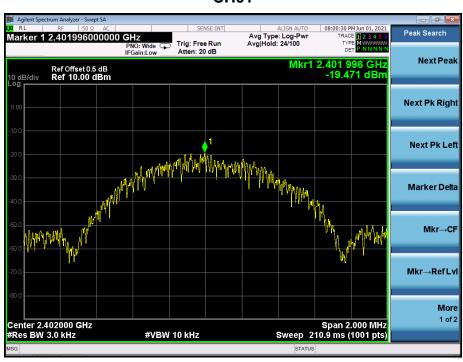


9.5 Test Result

| Temperature: | 26℃ | Relative Humidity: | 54% |
|--------------|------------|--------------------|-------|
| Test Mode : | GFSK 1Mbps | Test Voltage : | DC 3V |

| Frequency | Power Spectral Density(dBm/3kHz) | Limit (dBm/3kHz) | Result |
|-----------|-------------------------------------|---------------------|--------|
| 2402 MHz | -19.471 | 8 | PASS |
| 2440 MHz | -18.039 | 8 | PASS |
| 2480 MHz | -17.384 | 8 | PASS |

CH01

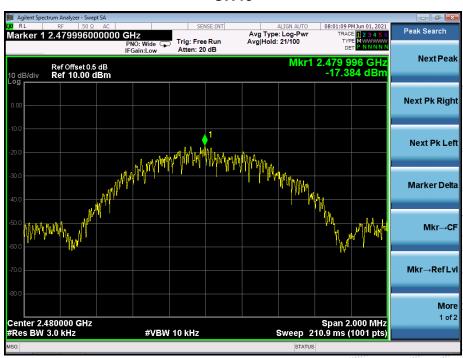




CH20



CH40





| Temperature: | 26℃ | Relative Humidity: | 54% |
|--------------|------------|--------------------|-------|
| Test Mode : | GFSK 2Mbps | Test Voltage : | DC 3V |

| Frequency | Power Spectral Density(dBm/3kHz) | Limit (dBm/3kHz) | Result |
|-----------|-------------------------------------|---------------------|--------|
| 2402 MHz | -24.285 | 8 | PASS |
| 2440 MHz | -22.840 | 8 | PASS |
| 2480 MHz | -22.109 | 8 | PASS |

CH01



No.: BCTC/RF-EMC-005 Page 29 of 46 / Edition / A.3



CH20



CH40





10. BANDWIDTH TEST

10.1 Block Diagram Of Test Setup

| EUT | SPECTRUM |
|-----|----------|
| | ANALYZER |

10.2 Limit

| FCC Part15 (15.247), Subpart C | | | | |
|---|-----------|------------------------------|-------------|--------|
| Section Test Item Limit Frequency Range (MHz) | | | | Result |
| 15.247(a)(2) | Bandwidth | >= 500KHz (6dB bandwidth) | 2400-2483.5 | PASS |

10.3 Test procedure

- 1. Set RBW = 100 kHz.
- 2. Set the video bandwidth (VBW) \geq 3 x RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

10.4 EUT operating Conditions

The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Note: Power Spectral Density(dBm)=Reading+Cable Loss

No.: BCTC/RF-EMC-005 Page 31 of 46 / Edition / A.3



10.5 Test Result

| Temperature : | 126°C | Relative Humidity: | 54% |
|---------------|------------|-----------------------|-------|
| Test Mode : | GFSK 1Mbps | Test Voltage : | DC 3V |

| Frequency (MHz) | 6dB bandwidth (MHz) | Limit (kHz) | Result |
|--------------------|------------------------|----------------|--------|
| 2402 | 0.710 | 500 | Pass |
| 2440 | 0.700 | 500 | Pass |
| 2480 | 0.713 | 500 | Pass |

CH 01





CH 20



CH 40





| Temperature : | 1267 | Relative Humidity: | 54% |
|---------------|------------|-----------------------|-------|
| Test Mode : | GFSK 2Mbps | Test Voltage : | DC 3V |

| Frequency (MHz) | 6dB bandwidth (MHz) | Limit (kHz) | Result |
|--------------------|------------------------|----------------|--------|
| 2402 | 1.232 | 500 | Pass |
| 2440 | 1.183 | 500 | Pass |
| 2480 | 1.226 | 500 | Pass |

CH 01



No.: BCTC/RF-EMC-005 Page 34 of 46 / Edition / A.3



CH 20



CH 40





11. PEAK OUTPUT POWER TEST

11.1 Block Diagram Of Test Setup



11.2 Limit

| FCC Part15 (15.247), Subpart C | | | | |
|--|----------------------|-----------------|-------------|------|
| Section Test Item Limit Frequency Range (MHz) Result | | | | |
| 15.247(b)(3) | Peak Output Power | 1 watt or 30dBm | 2400-2483.5 | PASS |

11.3 Test procedure

a. The EUT was directly connected to the Power meter

11.4 EUT operating Conditions

The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Note: Power Spectral Density(dBm)=Reading+Cable Loss

No.: BCTC/RF-EMC-005 Page 36 of 46 Edition / A.3



11.5 Test Result

| Temperature : | 1267 | Relative Humidity: | 54% |
|---------------|------|-----------------------|-------|
| Test Mode : | GFSK | Test Voltage : | DC 3V |

| L | Frequency | Maximum Conducted Output Power(PK) | Conducted Output Power Limit |
|---------------|-----------|---|---------------------------------------|
| | (MHz) | (dBm) | dBm |
| | 2402 | -4.142 | 30 |
| GFSK 1Mbps | 2440 | -2.764 | 30 |
| | 2480 | -1.956 | 30 |
| | 2402 | -4.084 | 30 |
| GFSK 2Mbps | 2440 | -2.692 | 30 |
| | 2480 | -1.870 | 30 |





12. 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE

12.1 Block Diagram Of Test Setup

| EUT | SPECTRUM |
|-----|----------|
| | ANALYZER |

12.2 Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

12.3 Test procedure

Using the following spectrum analyzer setting:

- a) Set the RBW = 100KHz.
- b) Set the VBW = 300KHz.
- c) Sweep time = auto couple.
- d) Detector function = peak.
- e) Trace mode = max hold.
- f) Allow trace to fully stabilize..

12.4 EUT operating Conditions

The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Note: Power Spectral Density(dBm)=Reading+Cable Loss

No.: BCTC/RF-EMC-005 Page 38 of 46 / Edition / A.3



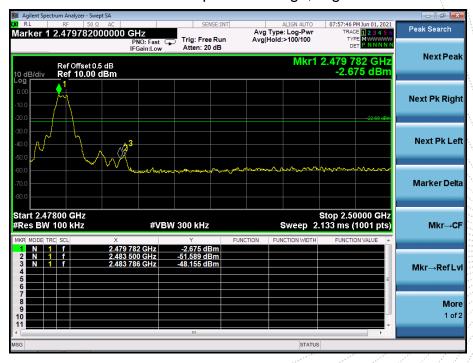
12.5 Test Result

| Temperature : | 1267 | Relative Humidity: | 54% |
|---------------|------|-----------------------|-------|
| Test Mode : | GFSK | Test Voltage : | DC 3V |

GFSK 1Mbps: Band Edge, Left Side



GFSK 1Mbps: Band Edge, Right Side





GFSK 2Mbps: Band Edge, Left Side



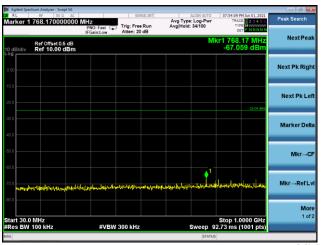
GFSK 2Mbps: Band Edge, Right Side





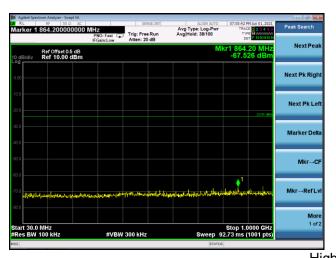
CONDUCTED EMISSION MEASUREMENT GFSK 1Mbps

Low Channel 2402MHz





Middle Channel 2440MHz





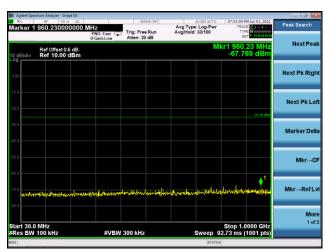




No.: BCTC/RF-EMC-005 Page 41 of 46 / Edition / A.3

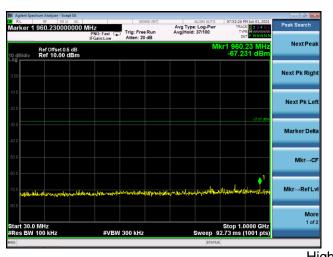


Low Channel 2402MHz

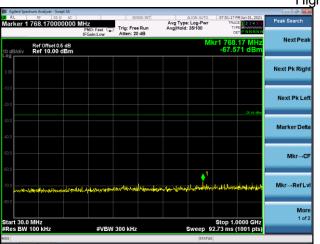


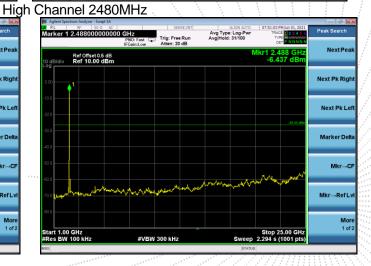


Middle Channel 2440MHz











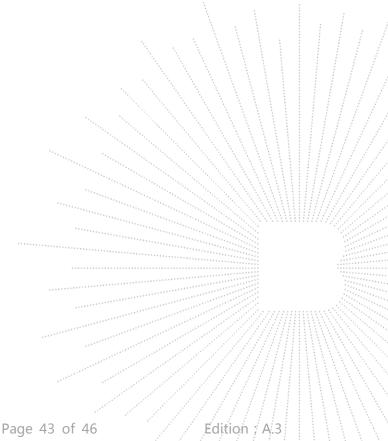
13. ANTENNA REQUIREMENT

13.1 Limit

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

13.2 Test Result

The EUT antenna is PCB antenna, fulfill the requirement of this section.



No.: BCTC/RF-EMC-005 Page 43 of 46 / Edition / A.



14. EUT PHOTOGRAPHS

Report No.: BCTC2105684734E

EUT Photo 1



EUT Photo 2



No.: BCTC/RF-EMC-005 Page 44 of 46 / Edition / A.3.



15. EUT TEST SETUP PHOTOGRAPHS

Radiated Measurement Photos





No.: BCTC/RF-EMC-005 Page 45 of 46 / Edition / A.3



STATEMENT

- 1. The equipment lists are traceable to the national reference standards.
- 2. The test report can not be partially copied unless prior written approval is issued from our lab.
- 3. The test report is invalid without stamp of laboratory.
- 4. The test report is invalid without signature of person(s) testing and authorizing.
- 5. The test process and test result is only related to the Unit Under Test.
- 6. The quality system of our laboratory is in accordance with ISO/IEC17025.
- 7.If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

Address:

1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

TEL: 400-788-9558

P.C.: 518103

FAX: 0755-33229357

Website: http://www.chnbctc.com

E-Mail: bctc@bctc-lab.com.cn

**** END ****

No.: BCTC/RF-EMC-005 Page 46 of 46 / Edition : A.3