

No. 1 Workshop, M-10, Middle section, Science & Technology Park,

Shenzhen, Guangdong, China 518057

Telephone: +86 (0) 755 2601 2053 Report No.: SZEM180300220102

Fax: +86 (0) 755 2671 0594 Page: 1 of 41

### TEST REPORT

**Application No.:** SZEM1803002201CR(SGS SZ No.:T51810210062EM) **Applicant:** GUANGDONG HENGDI TECHNOLOGY CORP., LTD.

Address of Applicant: Xiongye Industrial Park, Dengfeng Road, Guangyi Residential District,

Chenghai Area, Shantou, China

Manufacturer: GUANGDONG HENGDI TECHNOLOGY CORP., LTD.

Buyer: DAVID ADDISON

Supplier: ODYSSEY MARKETING CORP

**Equipment Under Test (EUT):** 

**EUT Name:** TURBO RUNNER WITH AUTO HOVER

Model No.: ODY-1012BR FCC ID: 2AIID-1336H

Requested Age Grading: 8+
Country of Origin: China
Country of Destination: USA

Standard(s): 47 CFR Part 15, Subpart C 15.249

**Date of Receipt:** 2018-03-23

**Date of Test:** 2018-03-30 to 2018-04-04

**Date of Issue:** 2018-04-09

Test Result: Pass\*



Keny Xu EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

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<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.



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|         | Revision Record                     |            |  |          |  |  |  |
|---------|-------------------------------------|------------|--|----------|--|--|--|
| Version | Version Chapter Date Modifier Remai |            |  |          |  |  |  |
| 01      |                                     | 2018-04-09 |  | Original |  |  |  |
|         |                                     |            |  |          |  |  |  |
|         |                                     |            |  |          |  |  |  |

| Authorized for issue by: |                             |  |
|--------------------------|-----------------------------|--|
|                          | Gebin Sun                   |  |
|                          | Gebin Sun /Project Engineer |  |
|                          | EvicFu                      |  |
|                          | Eric Fu /Reviewer           |  |



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### 2 Test Summary

| Radio Spectrum Technical Requirement |                                     |        |                                     |        |  |  |
|--------------------------------------|-------------------------------------|--------|-------------------------------------|--------|--|--|
| Item                                 | Standard                            | Method | Requirement                         | Result |  |  |
| Antenna Requirement                  | 47 CFR Part 15,<br>Subpart C 15.249 | N/A    | 47 CFR Part 15, Subpart<br>C 15.203 | Pass   |  |  |

| Radio Spectrum Matt  | er Part                             |   |   |        |
|--|-------------------------------------|---|---|--------|
| Item   | Standard                            | Method                                    | Requirement   | Result |
| 20dB Bandwidth   | 47 CFR Part 15,<br>Subpart C 15.249 | ANSI C63.10 (2013)<br>Section 6.9         | 47 CFR Part 15, Subpart<br>C 15.215                         | Pass   |
| Field Strength of the<br>Fundamental Signal<br>(15.249(a)) | 47 CFR Part 15,<br>Subpart C 15.249 | ANSI C63.10 (2013)<br>Section 6.5&6.6     | 47 CFR Part 15, Subpart<br>C 15.249(a)                      | Pass   |
| Restricted Band<br>Around Fundamental<br>Frequency         | 47 CFR Part 15,<br>Subpart C 15.249 | ANSI C63.10 (2013)<br>Section 6.10.5      | 47 CFR Part 15, Subpart<br>C 15.205 & 15.249(d) &<br>15.209 | Pass   |
| Radiated Emissions   | 47 CFR Part 15,<br>Subpart C 15.249 | ANSI C63.10 (2013)<br>Section 6.4&6.5&6.6 | 47 CFR Part 15, Subpart<br>C 15.209 & 15.249 (a),(d)        | Pass   |



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### 4 General Information

### 4.1 Details of E.U.T.

| Operation Frequency | 2405MHz-2475MHz                                |  |
|---------------------|--|--|
| Channel Spacing     | 1  |  |
| Number of Channels  | 71   |  |
| Modulation Type     | GFSK   |  |
| Sample Type:        | Portable production                            |  |
| Antenna Type        | Integral                                       |  |
| Antenna Gain        | 2dBi   |  |
| Power supply:       | 4.5V DC (1.5V x 3 "AAA" Size Batteries) for TX |  |
| Cable:              | USB calbe:65cm unshielded                      |  |

### 4.2 Description of Support Units

The EUT has been tested as an independent unit.

### 4.3 Measurement Uncertainty

| No. | Item                            | Measurement Uncertainty |  |  |
|-----|---------------------------------|-------------------------|--|--|
| 1   | Radio Frequency                 | 7.25 x 10 <sup>-8</sup> |  |  |
| 2   | Duty cycle                      | 0.37%                   |  |  |
| 3   | Occupied Bandwidth              | 3%                      |  |  |
| 4   | RF conducted power              | 0.75dB                  |  |  |
| 5   | RF power density                | 2.84dB                  |  |  |
| 6   | Conducted Spurious emissions    | 0.75dB                  |  |  |
| 7   | DE Dadiated newer               | 4.5dB (below 1GHz)      |  |  |
| /   | RF Radiated power               | 4.8dB (above 1GHz)      |  |  |
| 8   | Dedicted Courieus emission test | 4.5dB (Below 1GHz)      |  |  |
| 0   | Radiated Spurious emission test | 4.8dB (Above 1GHz)      |  |  |
| 9   | Temperature test                | 1 ℃                     |  |  |
| 10  | Humidity test                   | 3%                      |  |  |
| 11  | Supply voltages                 | 1.5%                    |  |  |
| 12  | Time                            | 3%                      |  |  |



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#### 4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

#### 4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### · CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC

Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

#### A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

#### VCCI

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

#### FCC –Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

#### Industry Canada (IC)

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

#### 4.6 Deviation from Standards

None

#### 4.7 Abnormalities from Standard Conditions

None



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### 5 Equipment List

| 20dB Bandwidth       |                      |                         |              |            |              |
|----------------------|----------------------|-------------------------|--------------|------------|--------------|
| Equipment            | Manufacturer         | Model No                | Inventory No | Cal Date   | Cal Due Date |
| DC Power Supply      | ZhaoXin              | RXN-305D                | SEM011-02    | 2017-09-27 | 2018-09-26   |
| Spectrum Analyzer    | Rohde & Schwarz      | FSU43                   | SEM004-08    | 2018-04-02 | 2019-04-01   |
| Measurement Software | JS Tonscend          | JS1120-2<br>BT/WIFI V2. | N/A          | N/A        | N/A          |
| Coaxial Cable        | SGS                  | N/A                     | SEM031-01    | 2017-07-13 | 2018-07-12   |
| Attenuator           | Weinschel Associates | WA41                    | SEM021-09    | N/A        | N/A          |
| Signal Generator     | KEYSIGHT             | N5173B                  | SEM006-05    | 2017-09-27 | 2018-09-26   |
| Power Meter          | Rohde & Schwarz      | NRVS                    | SEM014-02    | 2017-09-27 | 2018-09-26   |

| Field Strength of the Fundamental Signal (15.249(a)) |  |                       |              |            |              |  |
|--|--|-----------------------|--------------|------------|--------------|--|
| Equipment  | Manufacturer                             | Model No              | Inventory No | Cal Date   | Cal Due Date |  |
| 3m Semi-Anechoic<br>Chamber                          | AUDIX                                    | N/A                   | SEM001-02    | 2017-05-02 | 2020-05-01   |  |
| Measurement Software                                 | AUDIX                                    | e3 V8.2014-6-<br>27   | N/A          | N/A        | N/A          |  |
| Coaxial Cable  | SGS                                      | N/A                   | SEM026-01    | 2017-07-13 | 2018-07-12   |  |
| Spectrum Analyzer                                    | Rohde & Schwarz                          | FSU43                 | SEM004-08    | 2018-04-02 | 2019-04-01   |  |
| BiConiLog Antenna<br>(26-3000MHz)                    | ETS-Lindgren                             | 3142C                 | SEM003-01    | 2017-06-27 | 2020-06-26   |  |
| Horn Antenna<br>(1-18GHz)                            | Rohde & Schwarz                          | HF907                 | SEM003-07    | 2015-06-14 | 2018-06-13   |  |
| Horn Antenna<br>(15GHz-40GHz)                        | Schwarzbeck                              | BBHA 9170             | SEM003-15    | 2017-10-17 | 2020-10-16   |  |
| Pre-amplifier<br>(0.1-1300MHz)                       | HP                                       | 8447D                 | SEM005-02    | 2017-09-27 | 2018-09-26   |  |
| Low Noise Amplifier<br>(100MHz-18GHz)                | Black Diamond<br>Series                  | BDLNA-0118-<br>352810 | SEM005-05    | 2017-09-27 | 2018-09-27   |  |
| Pre-amplifier(18-26GHz)                              | Rohde & Schwarz                          | CH14-H052             | SEM005-17    | 2018-04-02 | 2019-04-01   |  |
| Pre-amplifier<br>(26GHz-40GHz)                       | Compliance<br>Directions Systems<br>Inc. | PAP-2640-50           | SEM005-08    | 2018-04-02 | 2019-04-01   |  |
| DC Power Supply                                      | Zhao Xin                                 | RXN-305D              | SEM011-02    | 2017-09-27 | 2018-09-26   |  |
| Active Loop Antenna                                  | ETS-Lindgren                             | 6502                  | SEM003-08    | 2017-08-22 | 2020-08-21   |  |
| Band filter  | N/A                                      | N/A                   | SEM023-01    | N/A        | N/A          |  |

| Restricted Band Around Fundamental Frequency |              |                     |              |            |              |  |  |
|--|--------------|---------------------|--------------|------------|--------------|--|--|
| Equipment                                    | Manufacturer | Model No            | Inventory No | Cal Date   | Cal Due Date |  |  |
| 3m Semi-Anechoic<br>Chamber                  | AUDIX        | N/A                 | SEM001-02    | 2017-05-02 | 2020-05-01   |  |  |
| Measurement Software                         | AUDIX        | e3 V8.2014-6-<br>27 | N/A          | N/A        | N/A          |  |  |

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| Coaxial Cable                         | SGS                                      | N/A                   | SEM026-01 | 2017-07-13 | 2018-07-12 |
|---------------------------------------|--|-----------------------|-----------|------------|------------|
| Spectrum Analyzer                     | Rohde & Schwarz                          | FSU43                 | SEM004-08 | 2018-04-02 | 2019-04-01 |
| BiConiLog Antenna<br>(26-3000MHz)     | ETS-Lindgren                             | 3142C                 | SEM003-01 | 2017-06-27 | 2020-06-26 |
| Horn Antenna<br>(1-18GHz)             | Rohde & Schwarz                          | HF907                 | SEM003-07 | 2015-06-14 | 2018-06-13 |
| Horn Antenna<br>(15GHz-40GHz)         | Schwarzbeck                              | BBHA 9170             | SEM003-15 | 2017-10-17 | 2020-10-16 |
| Pre-amplifier<br>(0.1-1300MHz)        | HP                                       | 8447D                 | SEM005-02 | 2017-09-27 | 2018-09-26 |
| Low Noise Amplifier<br>(100MHz-18GHz) | Black Diamond<br>Series                  | BDLNA-0118-<br>352810 | SEM005-05 | 2017-09-27 | 2018-09-27 |
| Pre-amplifier(18-26GHz)               | Rohde & Schwarz                          | CH14-H052             | SEM005-17 | 2018-04-02 | 2019-04-01 |
| Pre-amplifier<br>(26GHz-40GHz)        | Compliance<br>Directions Systems<br>Inc. | PAP-2640-50           | SEM005-08 | 2018-04-02 | 2019-04-01 |
| DC Power Supply                       | Zhao Xin                                 | RXN-305D              | SEM011-02 | 2017-09-27 | 2018-09-26 |
| Active Loop Antenna                   | ETS-Lindgren                             | 6502                  | SEM003-08 | 2017-08-22 | 2020-08-21 |
| Band filter                           | N/A                                      | N/A                   | SEM023-01 | N/A        | N/A        |

| Radiated Emissions                    |  |                       |              |            |              |
|---------------------------------------|--|-----------------------|--------------|------------|--------------|
| Equipment                             | Manufacturer                             | Model No              | Inventory No | Cal Date   | Cal Due Date |
| 3m Semi-Anechoic<br>Chamber           | AUDIX                                    | N/A                   | SEM001-02    | 2017-05-02 | 2020-05-01   |
| Measurement Software                  | AUDIX                                    | e3 V8.2014-6-<br>27   | N/A          | N/A        | N/A          |
| Coaxial Cable                         | SGS                                      | N/A                   | SEM026-01    | 2017-07-13 | 2018-07-12   |
| Spectrum Analyzer                     | Rohde & Schwarz                          | FSU43                 | SEM004-08    | 2018-04-02 | 2019-04-01   |
| BiConiLog Antenna<br>(26-3000MHz)     | ETS-Lindgren                             | 3142C                 | SEM003-01    | 2017-06-27 | 2020-06-26   |
| Horn Antenna<br>(1-18GHz)             | Rohde & Schwarz                          | HF907                 | SEM003-07    | 2015-06-14 | 2018-06-13   |
| Horn Antenna<br>(15GHz-40GHz)         | Schwarzbeck                              | BBHA 9170             | SEM003-15    | 2017-10-17 | 2020-10-16   |
| Pre-amplifier<br>(0.1-1300MHz)        | HP                                       | 8447D                 | SEM005-02    | 2017-09-27 | 2018-09-26   |
| Low Noise Amplifier<br>(100MHz-18GHz) | Black Diamond<br>Series                  | BDLNA-0118-<br>352810 | SEM005-05    | 2017-09-27 | 2018-09-27   |
| Pre-amplifier(18-26GHz)               | Rohde & Schwarz                          | CH14-H052             | SEM005-17    | 2018-04-02 | 2019-04-01   |
| Pre-amplifier<br>(26GHz-40GHz)        | Compliance<br>Directions Systems<br>Inc. | PAP-2640-50           | SEM005-08    | 2018-04-02 | 2019-04-01   |
| DC Power Supply                       | Zhao Xin                                 | RXN-305D              | SEM011-02    | 2017-09-27 | 2018-09-26   |
| Active Loop Antenna                   | ETS-Lindgren                             | 6502                  | SEM003-08    | 2017-08-22 | 2020-08-21   |
| Band filter                           | N/A                                      | N/A                   | SEM023-01    | N/A        | N/A          |

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| General used equipment             |   |          |              |            |              |  |  |  |  |
|------------------------------------|---|----------|--------------|------------|--------------|--|--|--|--|
| Equipment                          | Manufacturer                                    | Model No | Inventory No | Cal Date   | Cal Due Date |  |  |  |  |
| Humidity/ Temperature<br>Indicator | Shanghai<br>Meteorological<br>Industry Factory  | ZJ1-2B   | SEM002-03    | 2017-09-29 | 2018-09-28   |  |  |  |  |
| Humidity/ Temperature<br>Indicator | Shanghai<br>Meteorological<br>Industry Factory  | ZJ1-2B   | SEM002-04    | 2017-09-29 | 2018-09-28   |  |  |  |  |
| Humidity/ Temperature<br>Indicator | Mingle  | N/A      | SEM002-08    | 2017-09-29 | 2018-09-28   |  |  |  |  |
| Barometer                          | Changchun<br>Meteorological<br>Industry Factory | DYM3     | SEM002-01    | 2017-04-18 | 2018-04-17   |  |  |  |  |



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### 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 Limit:

#### 15.203 requirement:

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

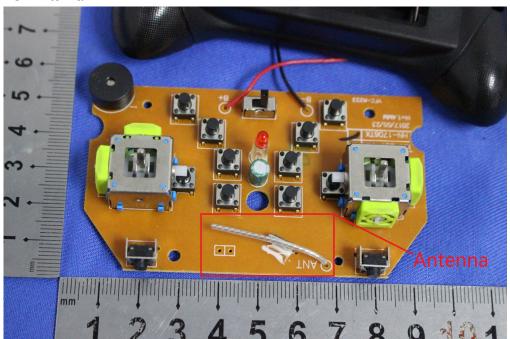
#### 6.1.2 Conclusion

#### Standard Requirement:

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. The use of a permanently

attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### **EUT Antenna:**



The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 2dBi.



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### 7 Radio Spectrum Matter Test Results

### 7.1 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.215 Test Method: ANSI C63.10 (2013) Section 6.9

Limit: N/A

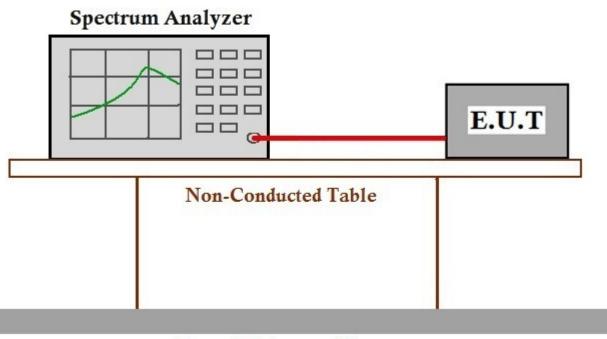
#### 7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.9 °C Humidity: 53.8 % RH Atmospheric Pressure: 1015 mbar

Test mode b:TX mode\_Keep the EUT in transmitting with modulation mode.

#### 7.1.2 Test Setup Diagram



### Ground Reference Plane

#### 7.1.3 Measurement Procedure and Data

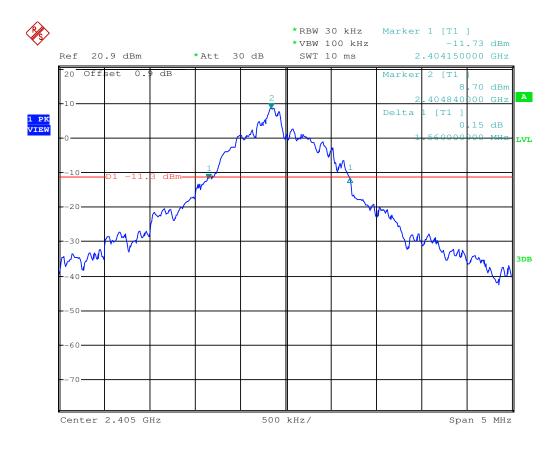
| Test channel | 20dB bandwidth (MHz) | Results |
|--------------|----------------------|---------|
| Lowest       | 1.560                | Pass    |
| Middle       | 1.600                | Pass    |
| Highest      | 1.620                | Pass    |



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#### 2405M-20dBdown

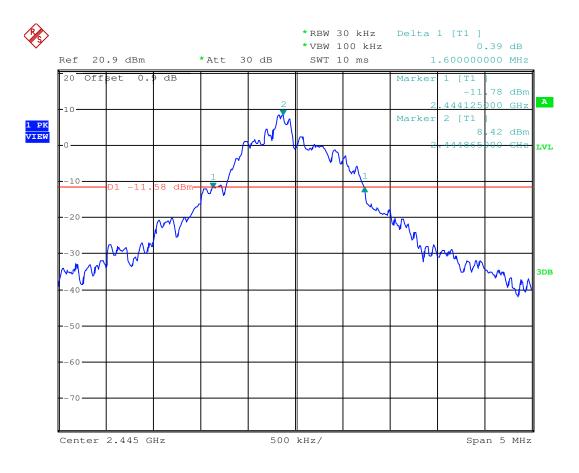




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#### 2445M-20dBdown

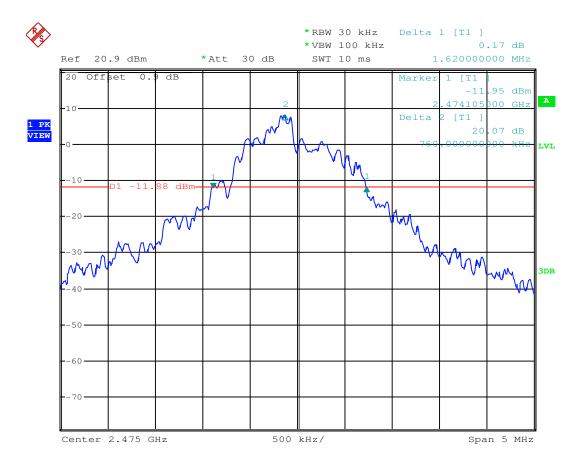




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#### 2475M-20dBdown





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### 7.2 Field Strength of the Fundamental Signal (15.249(a))

Test Requirement 47 CFR Part 15, Subpart C 15.249(a)
Test Method: ANSI C63.10 (2013) Section 6.5&6.6

Measurement Distance: 3m

Limit:

| Frequency           | Limit (dBuV/m @3m) | Remark        |  |
|---------------------|--------------------|---------------|--|
| 0400MII- 0400 FMII- | 94.0               | Average Value |  |
| 2400MHz-2483.5MHz   | 114.0              | Peak Value    |  |



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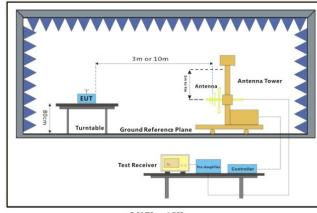
#### 7.2.1 E.U.T. Operation

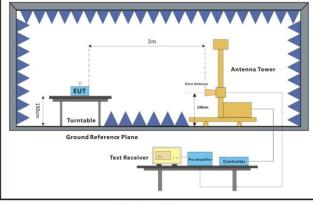
Operating Environment:

Temperature: 19.5 °C Humidity: 48.9 % RH Atmospheric Pressure: 1015 mbar

Test mode b:TX mode Keep the EUT in transmitting with modulation mode.

#### 7.2.2 Test Setup Diagram





30MHz-1GHz

Above 1GHz

#### 7.2.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. 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.
- e. 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.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. 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.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

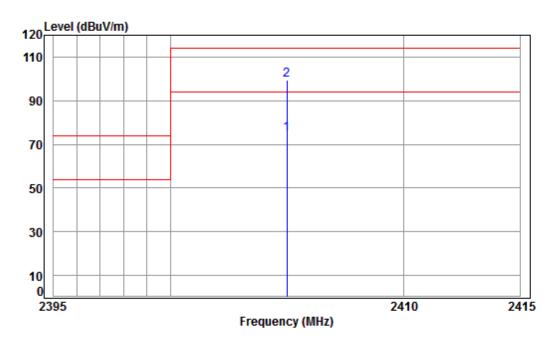
Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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Mode:b; Polarization:Horizontal; Modulation:GFSK; Channel:Low



Condition: 3m HORIZONTAL Job No : 02201CR/02203CR

Mode : 2405 Field strength

Cable Ant Preamp Read Limit Over
Freq Loss Factor Factor Level Level Line Limit Remark

MHz dB dB/m dB dBuV dBuV/m dBuV/m dB

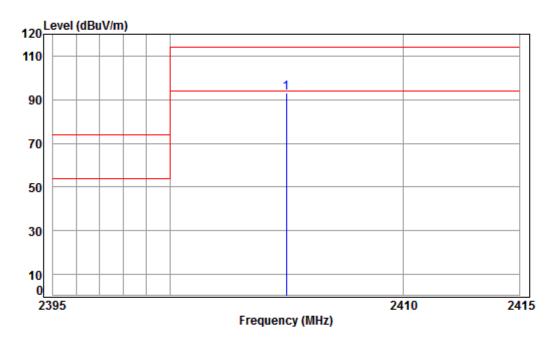
1 av 2405.000 5.50 29.12 41.88 82.28 75.02 94.00 -18.98 Average 2 pp 2405.000 5.50 29.12 41.88 106.68 99.42 114.00 -14.58 peak



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Mode:b; Polarization:Vertical; Modulation:GFSK; Channel:Low



Condition: 3m VERTICAL Job No : 02201CR/02203CR

Mode : 2405 Field strength

Cable Ant Preamp Read Limit Over
Freq Loss Factor Factor Level Level Line Limit Remark

MHz dB dB/m dB dBuV dBuV/m dBuV/m dB

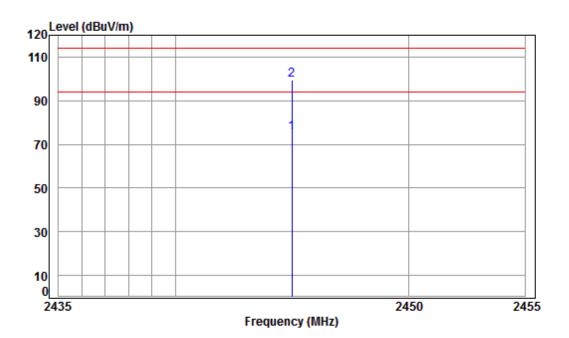
1 pp 2405.000 5.50 29.12 41.88 100.52 93.26 114.00 -20.74 peak



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Mode:b; Polarization:Horizontal; Modulation:GFSK; Channel:middle



Condition: 3m HORIZONTAL Job No : 02201CR/02203CR

2 pp 2445.000

Mode : 2445 Field strength

Cable Ant Preamp Read Limit Over
Freq Loss Factor Factor Level Level Line Limit Remark

MHz dB dB/m dB dBuV dBuV/m dBuV/m dBuV/m dB

1 av 2445.000 5.55 29.24 41.89 82.19 75.09 94.00 -18.91 Average

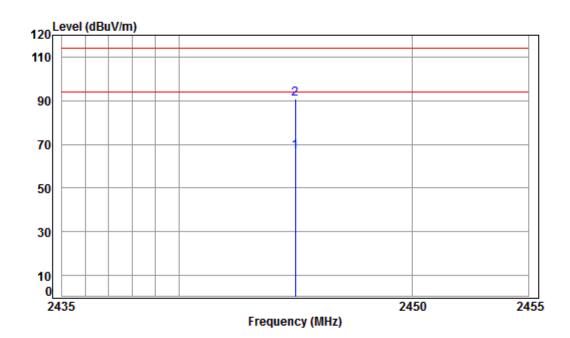
5.55 29.24 41.89 106.60 99.50 114.00 -14.50 Peak



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Mode:b; Polarization:Vertical; Modulation:GFSK; Channel:middle



Condition: 3m VERTICAL

Job No : 02201CR/02203CR

Mode : 2445 Field strength

Cable Ant Preamp Read Limit Over
Freq Loss Factor Factor Level Level Line Limit Remark

MHz dB dB/m dB dBuV dBuV/m dBuV/m dB

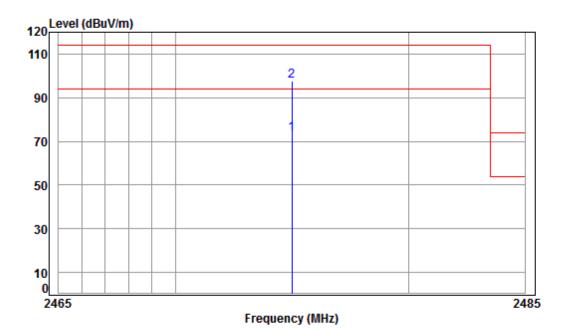
1 av 2445.000 5.55 29.24 41.89 73.66 66.56 94.00 -27.44 Average 2 pp 2445.000 5.55 29.24 41.89 98.07 90.97 114.00 -23.03 Peak



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Mode:b; Polarization:Horizontal; Modulation:GFSK; Channel:High



Condition: 3m HORIZONTAL Job No : 02201CR/02203CR

2 pp 2475.000

Mode : 2475 Field strength

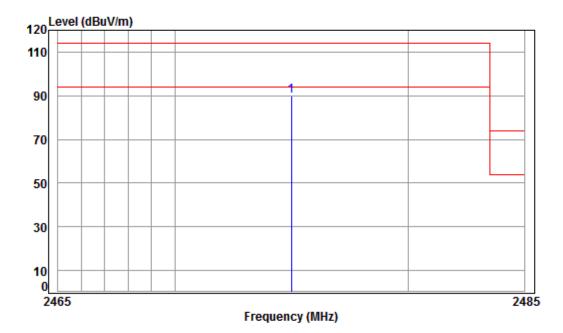
5.59 29.33 41.91 104.65 97.66 114.00 -16.34 peak



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Mode:b; Polarization:Vertical; Modulation:GFSK; Channel:High



Condition: 3m VERTICAL Job No : 02201CR/02203CR

Mode : 2475 Field strength

Cable Ant Preamp Limit 0ver Read Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m MHz dB dB/m dB dB

1 pp 2475.000 5.59 29.33 41.91 97.03 90.04 114.00 -23.96 peak

#### Remark:

As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only above measurement data were shown in the report.



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### 7.3 Restricted Band Around Fundamental Frequency

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.249(d) & 15.209

Test Method: ANSI C63.10 (2013) Section 6.10.5

Measurement Distance: 3m

Limit:

| Frequency     | Limit (dBuV/m @3m) | Remark           |
|---------------|--------------------|------------------|
| 30MHz-88MHz   | 40.0               | Quasi-peak Value |
| 88MHz-216MHz  | 43.5               | Quasi-peak Value |
| 216MHz-960MHz | 46.0               | Quasi-peak Value |
| 960MHz-1GHz   | 54.0               | Quasi-peak Value |
| Above 1GHz    | 54.0               | Average Value    |
| Above 1GHz    | 74.0               | Peak Value       |

Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.



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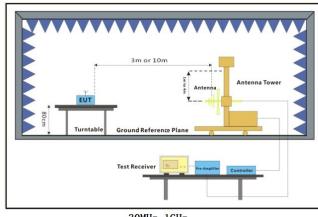
#### 7.3.1 E.U.T. Operation

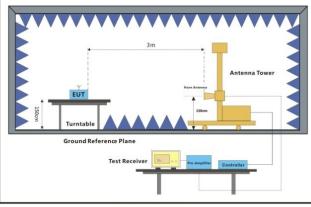
Operating Environment:

Temperature: 19.5 °C Humidity: 48.2 % RH Atmospheric Pressure: 1015 mbar

Test mode b:TX mode\_Keep the EUT in transmitting with modulation mode.

#### 7.3.2 Test Setup Diagram





30MHz-1GHz

Above 1GHz

#### 7.3.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. 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.
- e. 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.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. 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.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

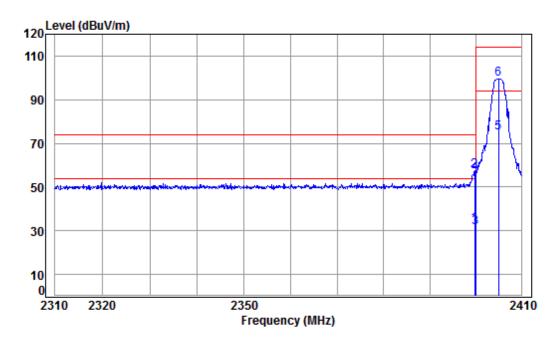
Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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Mode:b; Polarization:Horizontal; Modulation:GFSK; Channel:Low



Condition: 3m HORIZONTAL Job No : 02201CR/02203CR Mode : 2405 Band edge

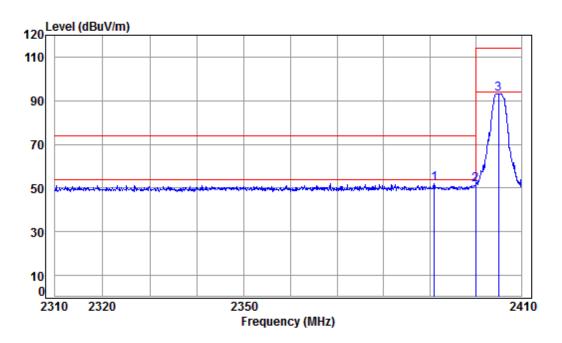
|   |    |          | Cable | Ant    | Preamp | Read   |        | Limit  | 0ver   |         |
|---|----|----------|-------|--------|--------|--------|--------|--------|--------|---------|
|   |    | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit  | Remark  |
|   | _  |          |       |        |        |        |        |        |        |         |
|   |    | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |         |
|   |    | 2222 222 | - 40  | 20.44  | 44 00  | 40.40  | 20.04  | F4 00  | 04.00  |         |
| 1 |    | 2399.808 | 5.49  | 29.11  | 41.88  | 40.19  | 32.91  | 54.00  | -21.09 | Average |
| 2 |    | 2399.808 | 5.49  | 29.11  | 41.88  | 64.59  | 57.31  | 74.00  | -16.69 | peak    |
| 3 |    | 2400.000 | 5.49  | 29.11  | 41.88  | 38.93  | 31.65  | 54.00  | -22.35 | Average |
| 4 |    | 2400.000 | 5.49  | 29.11  | 41.88  | 63.33  | 56.05  | 74.00  | -17.95 | peak    |
| 5 | av | 2405.000 | 5.50  | 29.12  | 41.88  | 82.28  | 75.02  | 94.00  | -18.98 | Average |
| 6 | pp | 2405.000 | 5.50  | 29.12  | 41.88  | 106.68 | 99.42  | 114.00 | -14.58 | peak    |



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Mode:b; Polarization:Vertical; Modulation:GFSK; Channel:Low



Condition: 3m VERTICAL
Job No : 02201CR/02203CR
Mode : 2405 Band edge

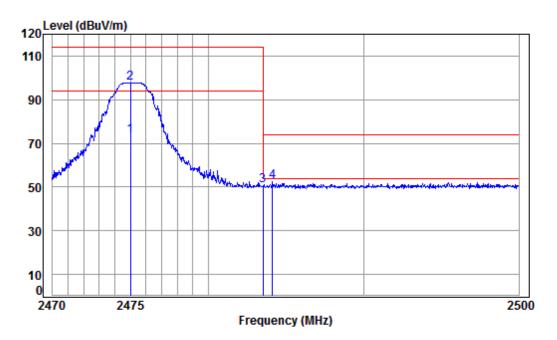
|      | Freq     |      |       |       | Read<br>Level |        |        |        | Remark |
|------|----------|------|-------|-------|---------------|--------|--------|--------|--------|
|      | MHz      | dB   | dB/m  | dB    | dBuV          | dBuV/m | dBuV/m | dB     |        |
| 1    | 2390.976 |      |       |       |               |        |        |        | •      |
| 2    | 2400.000 | 5.49 | 29.11 | 41.88 | 58.97         | 51.69  | 74.00  | -22.31 | peak   |
| 3 pp | 2405.000 | 5.50 | 29.12 | 41.88 | 100.52        | 93.26  | 114.00 | -20.74 | peak   |



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Mode:b; Polarization:Horizontal; Modulation:GFSK; Channel:High



Condition: 3m HORIZONTAL Job No : 02201CR/02203CR Mode : 2475 Band edge

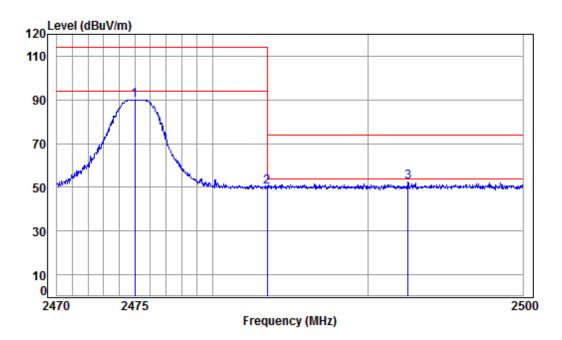
| oue  | : 24/    | o banu | eage   |        |        |        |        |        |         |
|------|----------|--------|--------|--------|--------|--------|--------|--------|---------|
|      |          | Cable  | Ant    | Preamp | Read   |        | Limit  | 0ver   |         |
|      | Freq     | Loss   | Factor | Factor | Level  | Level  | Line   | Limit  | Remark  |
|      |          |        |        |        |        |        |        |        |         |
|      | MHz      | dB     | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |         |
|      |          |        |        |        |        |        |        |        |         |
| 1 av | 2475.000 | 5.59   | 29.33  | 41.91  | 80.25  | 73.26  | 94.00  | -20.74 | Average |
| 2 pp | 2475.000 | 5.59   | 29.33  | 41.91  | 104.65 | 97.66  | 114.00 | -16.34 | peak    |
| 3    | 2483.500 | 5.60   | 29.35  | 41.91  | 57.59  | 50.63  | 74.00  | -23.37 | peak    |
| 4    | 2484.115 | 5.60   | 29.35  | 41.91  | 59.29  | 52.33  | 74.00  | -21.67 | peak    |



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Mode:b; Polarization:Vertical; Modulation:GFSK; Channel:High



Condition: 3m VERTICAL

Job No : 02201CR/02203CR Mode : 2475 Band edge

|     | Freq                 |      |       | Preamp<br>Factor |       |        |        |        | Remark |
|-----|----------------------|------|-------|------------------|-------|--------|--------|--------|--------|
|     | MHz                  | dB   | dB/m  | dB               | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 2   | 2475.000<br>2483.500 | 5.60 | 29.35 | 41.91            | 57.37 | 50.41  | 74.00  | -23.59 | peak   |
| 3 p | p 2492.586           | 5.61 | 29.38 | 41.91            | 59.28 | 52.36  | 74.00  | -21.64 | peak   |

#### Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only above measurement data were shown in the report.



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### 7.4 Radiated Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)

Test Method: ANSI C63.10 (2013) Section 6.4&6.5&6.6

Measurement Distance: 3m

Limit:

| Frequency(MHz) | Field strength     | Limit    | Detector | Measurement Distance |
|----------------|--------------------|----------|----------|----------------------|
|                | (microvolts/meter) | (dBuV/m) |          | (meters)             |
| 0.009-0.490    | 2400/F(kHz)        | -        | -        | 300                  |
| 0.490-1.705    | 24000/F(kHz)       | -        | -        | 30                   |
| 1.705-30       | 30                 | -        | -        | 30                   |
| 30-88          | 100                | 40.0     | QP       | 3                    |
| 88-216         | 150                | 43.5     | QP       | 3                    |
| 216-960        | 200                | 46.0     | QP       | 3                    |
| 960-1000       | 500                | 54.0     | QP       | 3                    |
| Above 1000     | 500                | 54.0     | AV       | 3                    |



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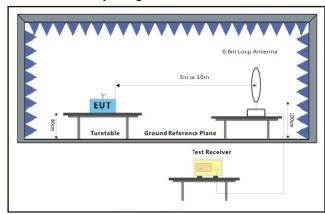
#### 7.4.1 E.U.T. Operation

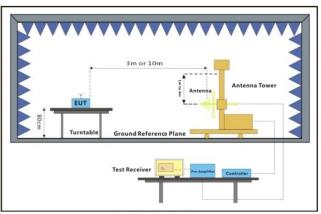
Operating Environment:

Temperature: 25.1 °C Humidity: 58.6 % RH Atmospheric Pressure: 1015 mbar

Test mode b:TX mode\_Keep the EUT in transmitting with modulation mode.

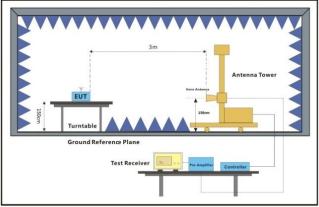
#### 7.4.2 Test Setup Diagram





Below 30MHz

30MHz-1GHz



Above 1GHz

#### 7.4.3 Measurement Procedure and Data

For testing performed with the loop antenna, the center of the loop was positioned 1 m above the ground and positioned with its plane vertical at the specified distance from the EUT. During testing the loop was rotated about its vertical axis for maximum response at each azimuth and also investigated with the loop positioned in the horizontal plane. Only the worst position of vertical was shown in the report.

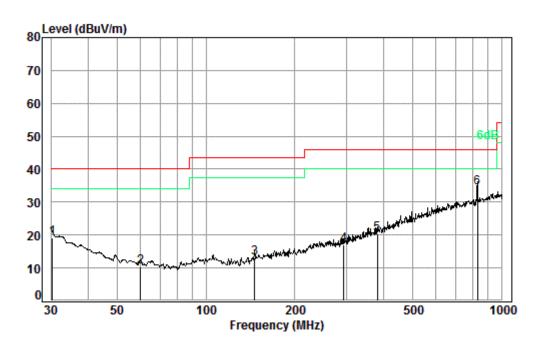


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#### Radiated emission below 1GHz

Mode: b; Polarization: Horizontal;



Condition: 3m HORIZONTAL

Job No. : 02201CR

Test mode: b

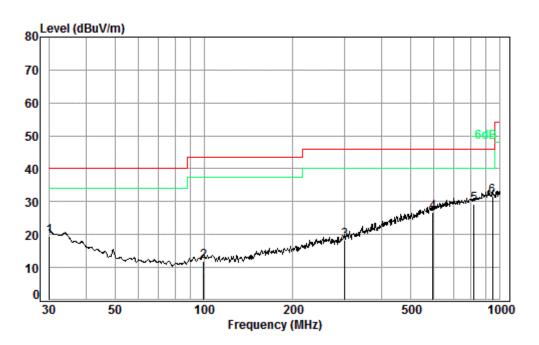
|      |        | Cable | Ant    | Preamp | Read  |        | Limit  | 0ver   |
|------|--------|-------|--------|--------|-------|--------|--------|--------|
|      | Freq   | Loss  | Factor | Factor | Level | Level  | Line   | Limit  |
|      |        |       |        |        |       |        |        |        |
|      | MHz    | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |
|      |        |       |        |        |       |        |        |        |
| 1    | 30.32  | 0.60  | 22.32  | 27.67  | 23.77 | 19.02  | 40.00  | -20.98 |
| 2    | 60.07  | 0.80  | 13.20  | 27.56  | 24.04 | 10.48  | 40.00  | -29.52 |
| 3    | 146.37 | 1.31  | 14.30  | 27.52  | 25.08 | 13.17  | 43.50  | -30.33 |
| 4    | 293.08 | 1.87  | 19.33  | 27.54  | 23.32 | 16.98  | 46.00  | -29.02 |
| 5    | 379.91 | 2.15  | 21.90  | 27.70  | 24.05 | 20.40  | 46.00  | -25.60 |
| 6 pp | 827.49 | 3.32  | 28.87  | 27.32  | 29.40 | 34.27  | 46.00  | -11.73 |



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Mode :b; Polarization: Vertical



Condition: 3m VERTICAL Job No. : 02201CR

Test mode: b

|      |        |      |        | Preamp |       |        |        |        |
|------|--------|------|--------|--------|-------|--------|--------|--------|
|      | Freq   | Loss | Factor | Factor | Level | Level  | Line   | Limit  |
| _    | MHz    | dB   | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |
| 1    | 30.11  | 0.60 | 22.44  | 27.67  | 24.00 | 19.37  | 40.00  | -20.63 |
| 2    | 99.88  | 1.20 | 13.99  | 27.51  | 24.17 | 11.85  | 43.50  | -31.65 |
| 3    | 299.32 | 1.90 | 19.57  | 27.54  | 24.19 | 18.12  | 46.00  | -27.88 |
| 4    | 595.13 | 2.70 | 26.51  | 27.71  | 25.12 | 26.62  | 46.00  | -19.38 |
| 5    | 818.83 | 3.28 | 28.76  | 27.35  | 24.45 | 29.14  | 46.00  | -16.86 |
| 6 pp | 945.44 | 3.65 | 30.03  | 26.93  | 24.80 | 31.55  | 46.00  | -14.45 |

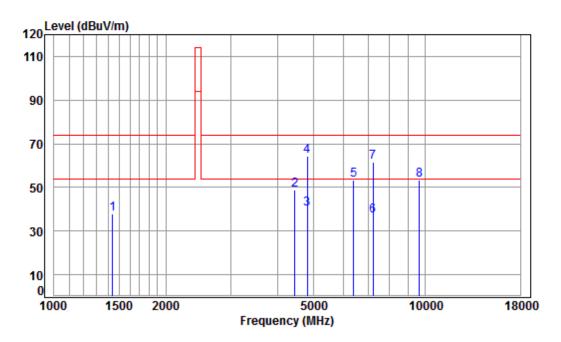


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#### Above 1GHz:

Mode:b; Polarization:Horizontal; Modulation:GFSK; ; Channel:Low



Condition: 3m HORIZONTAL
Job No : 02201CR/02203CR
Mode : 2405 TX RSE

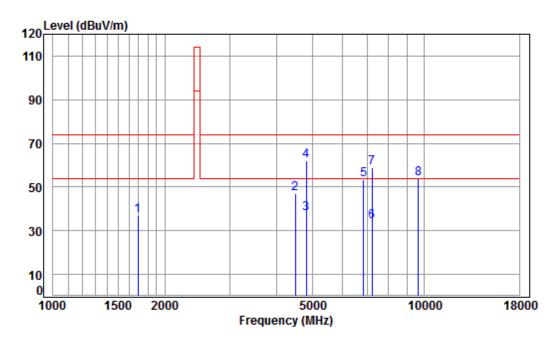
|      | Freq     |       |         | Preamp<br>Factor |       | Level    |          | Over<br>Limit | Remark  |
|------|----------|-------|---------|------------------|-------|----------|----------|---------------|---------|
|      | MHz      | ——dB  | dB/m    |                  |       |          | dBuV/m   | ——dB          |         |
|      | 11112    | ub.   | ub/ III | ub               | ubu*  | abav/iii | abav/iii | ub.           |         |
| 1    | 1439.343 | 5.28  | 25.56   | 41.36            | 48.41 | 37.89    | 74.00    | -36.11        | peak    |
| 2    | 4456.315 | 7.51  | 33.60   | 42.41            | 49.96 | 48.66    | 74.00    | -25.34        | peak    |
| 3 av | 4810.000 | 7.90  | 34.17   | 42.47            | 40.51 | 40.11    | 54.00    | -13.89        | Average |
| 4 pp | 4810.000 | 7.90  | 34.17   | 42.47            | 64.92 | 64.52    | 74.00    | -9.48         | peak    |
| 5    | 6414.167 | 11.38 | 35.03   | 41.28            | 48.41 | 53.54    | 74.00    | -20.46        | peak    |
| 6    | 7215.000 | 10.07 | 36.41   | 40.71            | 31.40 | 37.17    | 54.00    | -16.83        | Average |
| 7    | 7215.000 | 10.07 | 36.41   | 40.71            | 55.79 | 61.56    | 74.00    | -12.44        | peak    |
| 8    | 9620.000 | 10.75 | 37.52   | 37.72            | 42.75 | 53.30    | 74.00    | -20.70        | peak    |



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Mode:b; Polarization:Vertical; Modulation:GFSK; ; Channel:Low



Condition: 3m VERTICAL Job No : 02201CR/02203CR Mode : 2405 TX RSE

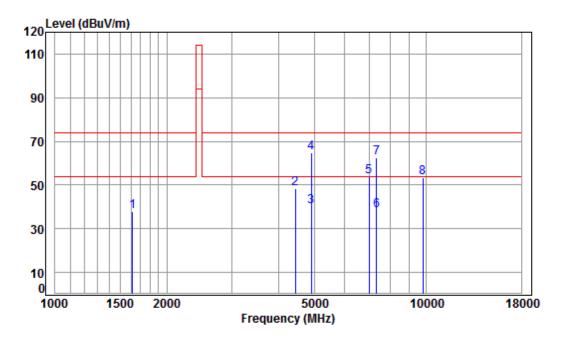
|   |    | _        |       |        | Preamp |       |        |        | 0ver   |         |
|---|----|----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   |    | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   |    | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 |    | 1692.231 | 5.24  | 26.64  | 41.53  | 46.63 | 36.98  | 74.00  | -37.02 | peak    |
| 2 |    | 4495.125 | 7.55  | 33.60  | 42.42  | 48.29 | 47.02  | 74.00  | -26.98 | peak    |
| 3 | av | 4810.000 | 7.90  | 34.17  | 42.47  | 38.21 | 37.81  | 54.00  | -16.19 | Average |
| 4 | рр | 4810.000 | 7.90  | 34.17  | 42.47  | 62.62 | 62.22  | 74.00  | -11.78 | peak    |
| 5 |    | 6855.063 | 10.53 | 36.10  | 40.96  | 47.68 | 53.35  | 74.00  | -20.65 | peak    |
| 6 |    | 7215.000 | 10.07 | 36.41  | 40.71  | 28.63 | 34.40  | 54.00  | -19.60 | Average |
| 7 |    | 7215.000 | 10.07 | 36.41  | 40.71  | 53.02 | 58.79  | 74.00  | -15.21 | peak    |
| 8 |    | 9620.000 | 10.75 | 37.52  | 37.72  | 43.41 | 53.96  | 74.00  | -20.04 | peak    |



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Mode:b; Polarization:Horizontal; Modulation:GFSK; ; Channel:middle



Condition: 3m HORIZONTAL
Job No : 02201CR/02203CR
Mode : 2445 TX RSE

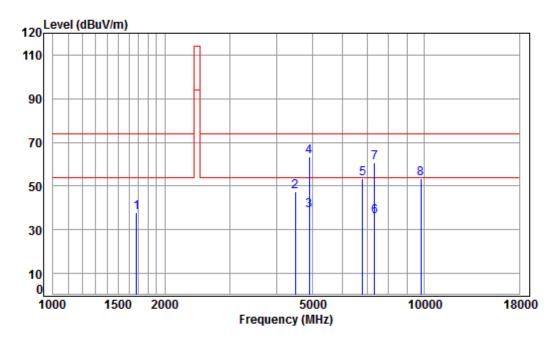
|      |          |       |        | Preamp |       |        |        |        |         |
|------|----------|-------|--------|--------|-------|--------|--------|--------|---------|
|      | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|      | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1    | 1615.754 | 5.33  | 26.32  | 41.48  | 47.56 | 37.73  | 74.00  | -36.27 | peak    |
| 2    | 4443.453 | 7.50  | 33.60  | 42.41  | 49.46 | 48.15  | 74.00  | -25.85 | peak    |
| 3 av | 4890.000 | 7.98  | 34.31  | 42.48  | 40.46 | 40.27  | 54.00  | -13.73 | Average |
| 4 pp | 4890.000 | 7.98  | 34.31  | 42.48  | 64.86 | 64.67  | 74.00  | -9.33  | peak    |
| 5    | 6995.172 | 10.14 | 36.49  | 40.86  | 48.01 | 53.78  | 74.00  | -20.22 | peak    |
| 6    | 7335.000 | 10.04 | 36.36  | 40.62  | 32.33 | 38.11  | 54.00  | -15.89 | Average |
| 7    | 7335.000 | 10.04 | 36.36  | 40.62  | 56.73 | 62.51  | 74.00  | -11.49 | peak    |
| 8    | 9780.000 | 10.83 | 37.56  | 37.50  | 42.45 | 53.34  | 74.00  | -20.66 | peak    |



Report No.: SZEM180300220102

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Mode:b; Polarization:Vertical; Modulation:GFSK; Channel:middle



Condition: 3m VERTICAL

Job No : 02201CR/02203CR Mode : 2445 TX RSE

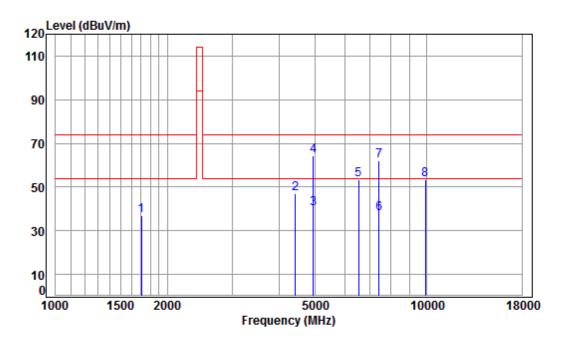
Mode Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark MHz dBuV dBuV/m dBuV/m dB dB/m dB dB 1 1677.621 5.25 26.58 41.52 47.72 38.03 74.00 -35.97 peak 2 7.55 47.26 74.00 -26.74 peak 4495.125 33.60 42.42 48.53 3 av 4890.000 7.98 34.31 42.48 39.02 38.83 54.00 -15.17 Average 7.98 34.31 42.48 63.42 63.23 74.00 -10.77 peak 4 pp 4890.000 36.00 40.98 47.89 53.55 74.00 -20.45 peak 5 6815.551 10.64 6 7335.000 10.04 36.36 40.62 30.32 36.10 54.00 -17.90 Average 7 7335.000 10.04 36.36 40.62 54.72 60.50 74.00 -13.50 peak 8 9780.000 10.83 37.56 37.50 42.45 53.34 74.00 -20.66 peak



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Mode:b; Polarization:Horizontal; Modulation:GFSK; Channel:High



Condition: 3m HORIZONTAL Job No : 02201CR/02203CR

Mode : 2475 TX RSE

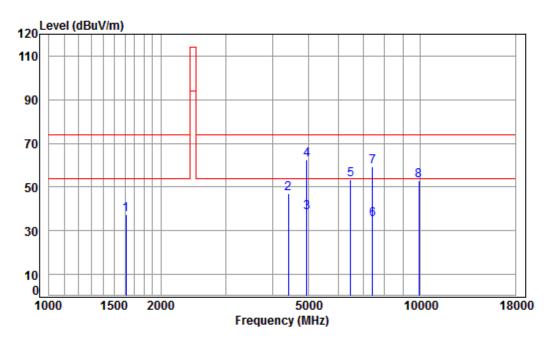
|      |          |       |        | Preamp | Read  |        | Limit  | 0ver   |         |
|------|----------|-------|--------|--------|-------|--------|--------|--------|---------|
|      | Freq     | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|      | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1    | 1702.042 | 5.23  | 26.68  | 41.53  | 46.57 | 36.95  | 74.00  | -37.05 | peak    |
| 2    | 4417.841 | 7.47  | 33.60  | 42.40  | 48.35 | 47.02  | 74.00  | -26.98 | peak    |
| 3 av | 4950.000 | 8.04  | 34.41  | 42.49  | 40.17 | 40.13  | 54.00  | -13.87 | Average |
| 4 pp | 4950.000 | 8.04  | 34.41  | 42.49  | 64.57 | 64.53  | 74.00  | -9.47  | peak    |
| 5    | 6545.263 | 11.41 | 35.23  | 41.18  | 48.02 | 53.48  | 74.00  | -20.52 | peak    |
| 6    | 7425.000 | 10.02 | 36.33  | 40.57  | 32.06 | 37.84  | 54.00  | -16.16 | Average |
| 7    | 7425.000 | 10.02 | 36.33  | 40.57  | 56.46 | 62.24  | 74.00  | -11.76 | peak    |
| 8    | 9900.000 | 10.89 | 37.58  | 37.34  | 42.28 | 53.41  | 74.00  | -20.59 | peak    |



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Mode:b; Polarization:Vertical; Modulation:GFSK; Channel:High



Condition: 3m VERTICAL Job No : 02201CR/02203CR Mode : 2475 TX RSE

|      | Frea     | Cable |        | Preamp<br>Factor |       |        |        |        | Romank    |
|------|----------|-------|--------|------------------|-------|--------|--------|--------|-----------|
|      | rreq     | LUSS  | ractor | ractor           | rever | rever  | LINE   | LIMIT  | Kelliai K |
|      | MHz      | dB    | dB/m   | dB               | dBuV  | dBuV/m | dBuV/m | dB     |           |
| 1    | 1611.091 | 5.34  | 26.30  | 41.48            | 47.26 | 37.42  | 74.00  | -36.58 | peak      |
| 2    | 4405.090 | 7.46  | 33.60  | 42.40            | 48.33 | 46.99  | 74.00  | -27.01 | peak      |
| 3 av | 4950.000 | 8.04  | 34.41  | 42.49            | 38.35 | 38.31  | 54.00  | -15.69 | Average   |
| 4 pp | 4950.000 | 8.04  | 34.41  | 42.49            | 62.75 | 62.71  | 74.00  | -11.29 | peak      |
| 5    | 6488.754 | 11.52 | 35.09  | 41.22            | 48.15 | 53.54  | 74.00  | -20.46 | peak      |
| 6    | 7425.000 | 10.02 | 36.33  | 40.57            | 29.13 | 34.91  | 54.00  | -19.09 | Average   |
| 7    | 7425.000 | 10.02 | 36.33  | 40.57            | 53.53 | 59.31  | 74.00  | -14.69 | peak      |
| 8    | 9900.000 | 10.89 | 37.58  | 37.34            | 41.95 | 53.08  | 74.00  | -20.92 | peak      |



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#### Remark:

2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

- 3) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 4) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only above measurement data were shown in the report.

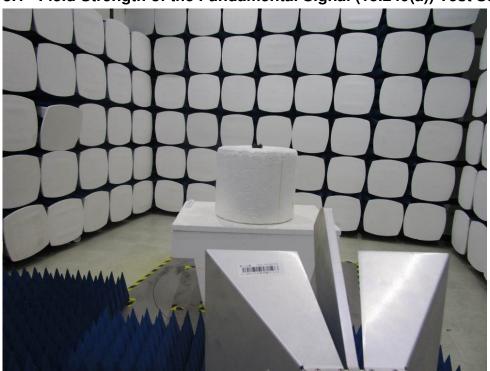


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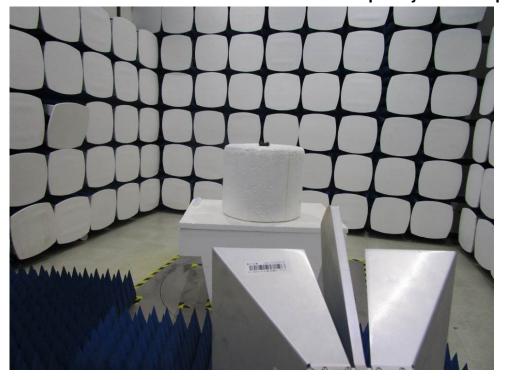
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### 8 Photographs

### 8.1 Field Strength of the Fundamental Signal (15.249(a)) Test Setup



### 8.2 Restricted Band Around Fundamental Frequency Test Setup



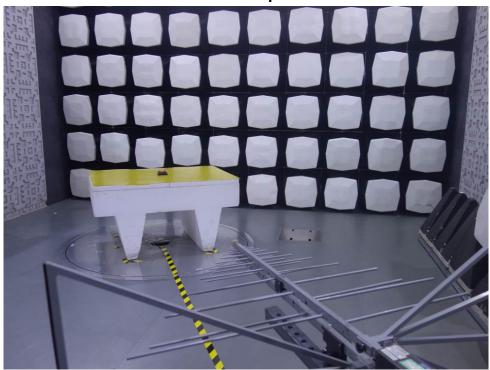
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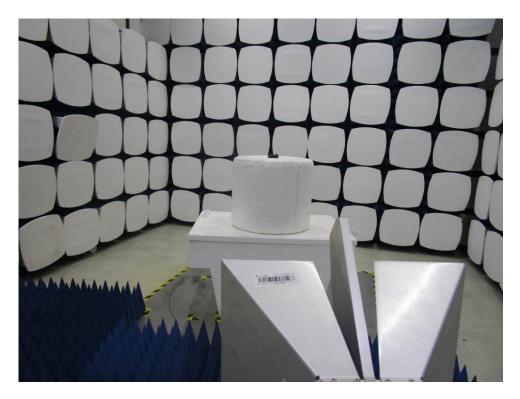


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### 8.3 Radiated Emissions Test Setup





### 8.4 EUT Constructional Details (EUT Photos)

Refer to Appendix A - Photographs of EUT Constructional Details for SZEM1803002201CR.

- End of the Report -

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