



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

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Report No.: SZEM160400262901  
Page: 1 of 32

## FCC REPORT

**Application No. :** SZEM1604002629CR  
**Applicant:** GUITENG TOYS COMPANY LIMITED  
**Manufacturer:** GUITENG TOYS COMPANY LIMITED  
**Factory:** GUITENG TOYS COMPANY LIMITED  
**Product Name:** 5.8G FPV RC Quadrocopter  
**Model No.(EUT):** T901F  
**Add Model No.:** T901, T901C, T901W, T902, T902C, T902W, T903, T905, T905F, T905C, T905W, T906, T906F, T906C, T906W, T907, T907F, T907C, T907W, T908, T908F, T908C, T908W, T909, T910, T910F, T910C, T910W, T911, T911F, T911C, T911W, T912, T912F, T912C, T912W, T913, T913F, T913C, T913W, T915, T915F, T915C, T915W  
**FCC ID:** 2AH2AGTENG20160101  
**Standards:** 47 CFR Part 15, Subpart C (2015)  
**Date of Receipt:** 2016-05-04  
**Date of Test:** 2016-05-13 to 2016-05-20  
**Date of Issue:** 2016-05-26

|                     |               |
|---------------------|---------------|
| <b>Test Result:</b> | <b>PASS *</b> |
|---------------------|---------------|

\* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Jack Zhang  
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.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.

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## 2 Version

| Revision Record |         |            |          |          |
|-----------------|---------|------------|----------|----------|
| Version         | Chapter | Date       | Modifier | Remark   |
| 00              |         | 2016-05-26 |          | Original |
|                 |         |            |          |          |
|                 |         |            |          |          |

|                          |  |                                                                                              |  |            |
|--------------------------|--|----------------------------------------------------------------------------------------------|--|------------|
| Authorized for issue by: |  |                                                                                              |  |            |
| Tested By                |  | <br><hr/> |  | 2016-05-20 |
|                          |  |                                                                                              |  | Date       |
| Prepared By              |  | <br><hr/> |  | 2016-05-26 |
|                          |  |                                                                                              |  | Date       |
| Checked By               |  | <br><hr/> |  | 2016-05-26 |
|                          |  |                                                                                              |  | Date       |



### 3 Test Summary

| Test Item                                                         | Test Requirement                                    | Test method        | Result |
|-------------------------------------------------------------------|-----------------------------------------------------|--------------------|--------|
| Antenna Requirement                                               | 47 CFR Part 15, Subpart C Section 15.203            | ANSI C63.10 (2009) | PASS   |
| Field Strength of the Fundamental Signal                          | 47 CFR Part 15, Subpart C Section 15.249 (a)        | ANSI C63.10 (2013) | PASS   |
| Spurious Emissions                                                | 47 CFR Part 15, Subpart C Section 15.249 (a)/15.209 | ANSI C63.10 (2013) | PASS   |
| Restricted bands around fundamental frequency (Radiated Emission) | 47 CFR Part 15, Subpart C Section 15.249(a)/15.205  | ANSI C63.10 (2013) | PASS   |
| 20dB Occupied Bandwidth                                           | 47 CFR Part 15, Subpart C Section 15.215 (c)        | ANSI C63.10 (2013) | PASS   |

Remark:

Model No.: T901, T901F, T901C, T901W, T902, T902C, T902W, T903, T905, T905F, T905C, T905W, T906, T906F, T906C, T906W, T907, T907F, T907C, T907W, T908, T908F, T908C, T908W, T909, T910, T910F, T910C, T910W, T911, T911F, T911C, T911W, T912, T912F, T912C, T912W, T913, T913F, T913C, T913W, T915, T915F, T915C, T915W

Only the model T901F was tested, since the electrical circuit design, layout, components used and internal wiring were identical for all above models, only different on model name.



## 4 Contents

|                                                        | Page |
|--------------------------------------------------------|------|
| 1 COVER PAGE.....                                      | 1    |
| 2 VERSION .....                                        | 2    |
| 3 TEST SUMMARY .....                                   | 3    |
| 4 CONTENTS .....                                       | 4    |
| 5 GENERAL INFORMATION .....                            | 5    |
| 5.1 CLIENT INFORMATION.....                            | 5    |
| 5.2 GENERAL DESCRIPTION OF EUT .....                   | 5    |
| 5.3 TEST ENVIRONMENT AND MODE.....                     | 8    |
| 5.4 DESCRIPTION OF SUPPORT UNITS .....                 | 8    |
| 5.5 TEST LOCATION .....                                | 8    |
| 5.6 TEST FACILITY .....                                | 9    |
| 5.7 DEVIATION FROM STANDARDS.....                      | 9    |
| 5.8 ABNORMALITIES FROM STANDARD CONDITIONS.....        | 9    |
| 5.9 OTHER INFORMATION REQUESTED BY THE CUSTOMER.....   | 9    |
| 5.10 EQUIPMENT LIST .....                              | 10   |
| 6 TEST RESULTS AND MEASUREMENT DATA .....              | 12   |
| 6.1 ANTENNA REQUIREMENT .....                          | 12   |
| 6.2 RADIATED SPURIOUS EMISSIONS.....                   | 13   |
| 6.2.1 Duty Cycle.....                                  | 13   |
| 6.2.2 Spurious Emissions.....                          | 14   |
| 6.3 RESTRICTED BANDS AROUND FUNDAMENTAL FREQUENCY..... | 22   |
| 6.4 20DB BANDWIDTH.....                                | 28   |
| 7 PHOTOGRAPHS - EUT TEST SETUP .....                   | 31   |
| 7.1 RADIATED EMISSION .....                            | 31   |
| 7.2 RADIATED SPURIOUS EMISSION .....                   | 31   |
| 8 PHOTOGRAPHS - EUT CONSTRUCTIONAL DETAILS.....        | 32   |



## 5 General Information

### 5.1 Client Information

|                          |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| Applicant:               | GUITENG TOYS COMPANY LIMITED                                              |
| Address of Applicant:    | TONGYI ROAD, CHENGHAI DISTRICT, SHANTOU CITY,<br>GUANGDONG PROVINCE CHINA |
| Manufacturer:            | GUITENG TOYS COMPANY LIMITED                                              |
| Address of Manufacturer: | TONGYI ROAD, CHENGHAI DISTRICT, SHANTOU CITY,<br>GUANGDONG PROVINCE CHINA |
| Factory:                 | GUITENG TOYS COMPANY LIMITED                                              |
| Address of Factory:      | TONGYI ROAD, CHENGHAI DISTRICT, SHANTOU CITY,<br>GUANGDONG PROVINCE CHINA |

### 5.2 General Description of EUT

|                     |                          |
|---------------------|--------------------------|
| Name:               | 5.8G FPV RC Quadrocopter |
| Model No.:          | T901F                    |
| Frequency Range:    | 2405-2475                |
| Channel separation  | 1MHz                     |
| Modulation Type:    | GFSK                     |
| Number of Channels: | 71                       |
| EUT Function:       | 2.4G SRD                 |
| Antenna Type:       | Integral                 |
| Antenna Gain:       | 0dBi                     |
| Power Supply:       | DC 3.7V (DC 3.7V 500mAh) |



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

Report No.: SZEM160400262901

Page: 6 of 32

| Operation Frequency each of channel |           |         |           |         |           |
|-------------------------------------|-----------|---------|-----------|---------|-----------|
| Channel                             | Frequency | Channel | Frequency | Channel | Frequency |
| 1CH                                 | 2405 MHz  | 25CH    | 2429 MHz  | 49CH    | 2453 MHz  |
| 2CH                                 | 2406 MHz  | 26CH    | 2430 MHz  | 50CH    | 2454 MHz  |
| 3CH                                 | 2407 MHz  | 27CH    | 2431 MHz  | 51CH    | 2455 MHz  |
| 4CH                                 | 2408 MHz  | 28CH    | 2432 MHz  | 52CH    | 2456 MHz  |
| 5CH                                 | 2409 MHz  | 29CH    | 2433 MHz  | 53CH    | 2457 MHz  |
| 6CH                                 | 2410 MHz  | 30CH    | 2434 MHz  | 54CH    | 2458 MHz  |
| 7CH                                 | 2411 MHz  | 31CH    | 2435 MHz  | 55CH    | 2459 MHz  |
| 8CH                                 | 2412 MHz  | 32CH    | 2436 MHz  | 56CH    | 2460 MHz  |
| 9CH                                 | 2413 MHz  | 33CH    | 2437 MHz  | 57CH    | 2461 MHz  |
| 10CH                                | 2414 MHz  | 34CH    | 2438 MHz  | 58CH    | 2462 MHz  |
| 11CH                                | 2415 MHz  | 35CH    | 2439 MHz  | 59CH    | 2463 MHz  |
| 12CH                                | 2416 MHz  | 36CH    | 2440 MHz  | 60CH    | 2464 MHz  |
| 13CH                                | 2417 MHz  | 37CH    | 2441 MHz  | 61CH    | 2465 MHz  |
| 14CH                                | 2418 MHz  | 38CH    | 2442 MHz  | 62CH    | 2466 MHz  |
| 15CH                                | 2419 MHz  | 39CH    | 2443 MHz  | 63CH    | 2467 MHz  |
| 16CH                                | 2420 MHz  | 40CH    | 2444 MHz  | 64CH    | 2468 MHz  |
| 17CH                                | 2421 MHz  | 41CH    | 2445 MHz  | 65CH    | 2469 MHz  |
| 18CH                                | 2422 MHz  | 42CH    | 2446 MHz  | 66CH    | 2470 MHz  |
| 19CH                                | 2423 MHz  | 43CH    | 2447 MHz  | 67CH    | 2471 MHz  |
| 20CH                                | 2424 MHz  | 44CH    | 2448 MHz  | 68CH    | 2472 MHz  |
| 21CH                                | 2425 MHz  | 45CH    | 2449 MHz  | 69CH    | 2473 MHz  |
| 22CH                                | 2426 MHz  | 46CH    | 2450 MHz  | 70CH    | 2474 MHz  |
| 23CH                                | 2427 MHz  | 47CH    | 2451 MHz  | 71CH    | 2475 MHz  |
| 24CH                                | 2428 MHz  | 48CH    | 2452 MHz  |         |           |

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

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

Report No.: SZEM160400262901

Page: 7 of 32

| Channel                   | Frequency |
|---------------------------|-----------|
| The Lowest channel(CH1)   | 2405MHz   |
| The Middle channel(CH41)  | 2445MHz   |
| The Highest channel(CH71) | 2475MHz   |

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### 5.3 Test Environment and Mode

| Operating Environment: |                                                                                          |
|------------------------|------------------------------------------------------------------------------------------|
| Temperature:           | 25.0 °C                                                                                  |
| Humidity:              | 50 % RH                                                                                  |
| Atmospheric Pressure:  | 1015 mbar                                                                                |
| Test mode:             |                                                                                          |
| Transmitting mode:     | Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate. |

### 5.4 Description of Support Units

The EUT has been tested independent unit.

### 5.5 Test Location

All tests were performed at:

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



## 5.6 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 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

- **FCC – Registration No.: 556682**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 556682.

- **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.

## 5.7 Deviation from Standards

None.

## 5.8 Abnormalities from Standard Conditions

None.

## 5.9 Other Information Requested by the Customer

None.



## 5.10 Equipment List

| RE in Chamber |                                    |                      |           |               |                           |                              |
|---------------|------------------------------------|----------------------|-----------|---------------|---------------------------|------------------------------|
| Item          | Test Equipment                     | Manufacturer         | Model No. | Inventory No. | Cal. date<br>(yyyy-mm-dd) | Cal.Due date<br>(yyyy-mm-dd) |
| 1             | 10m Semi-Anechoic Chamber          | SAEMC                | FSAC1018  | SEM001-03     | 2015-08-01                | 2016-08-01                   |
| 2             | EMI Test Receiver<br>(9k-3GHz)     | Rohde & Schwarz      | ESCI      | SEM004-01     | 2016-04-25                | 2017-04-25                   |
| 3             | Trilog-Broadband Antenna(30M-1GHz) | Schwarzbeck          | VULB9168  | SEM003-17     | 2016-01-26                | 2017-01-26                   |
| 4             | Pre-amplifier                      | Sonoma Instrument Co | 310N      | SEM005-03     | 2016-04-25                | 2017-04-25                   |
| 5             | Loop Antenna                       | ETS-Lindgren         | 6502      | SEM003-08     | 2015-08-14                | 2016-08-14                   |

| RE in Chamber |                                   |                      |                   |               |                           |                              |
|---------------|-----------------------------------|----------------------|-------------------|---------------|---------------------------|------------------------------|
| Item          | Test Equipment                    | Manufacturer         | Model No.         | Inventory No. | Cal. date<br>(yyyy-mm-dd) | Cal.Due date<br>(yyyy-mm-dd) |
| 1             | 3m Semi-Anechoic Chamber          | AUDIX                | N/A               | SEM001-02     | 2016-05-13                | 2017-05-13                   |
| 2             | EMI Test Receiver                 | Rohde & Schwarz      | ESIB26            | SEM004-04     | 2016-04-25                | 2017-04-25                   |
| 3             | BiConiLog Antenna<br>(26-3000MHz) | ETS-Lindgren         | 3142C             | SEM003-02     | 2014-11-15                | 2017-11-15                   |
| 4             | Amplifier<br>(0.1-1300MHz)        | HP                   | 8447D             | SEM005-02     | 2015-10-09                | 2016-10-09                   |
| 5             | Horn Antenna<br>(1-18GHz)         | Rohde & Schwarz      | HF907             | SEM003-07     | 2015-06-14                | 2018-06-14                   |
| 6             | Low Noise Amplifier               | Black Diamond Series | BDLNA-0118-352810 | SEM005-05     | 2015-10-09                | 2016-10-09                   |
| 7             | Band filter                       | Amindeon             | Asi 3314          | SEM023-01     | N/A                       | N/A                          |



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

Report No.: SZEM160400262901

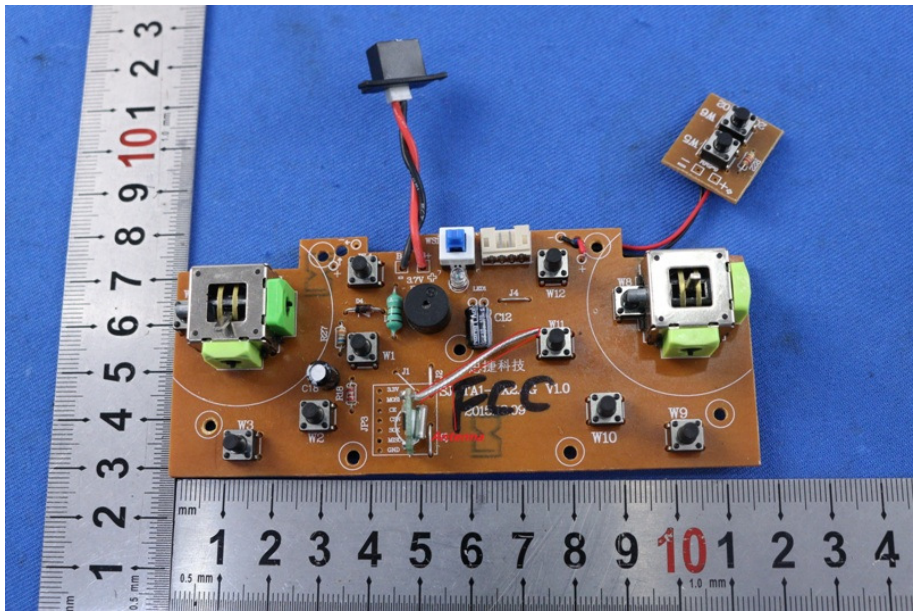
Page: 11 of 32

| RF connected test |                   |                 |           |               |                           |                              |
|-------------------|-------------------|-----------------|-----------|---------------|---------------------------|------------------------------|
| Item              | Test Equipment    | Manufacturer    | Model No. | Inventory No. | Cal. date<br>(yyyy-mm-dd) | Cal.Due date<br>(yyyy-mm-dd) |
| 1                 | DC Power Supply   | ZhaoXin         | RXN-305D  | SEM011-02     | 2015-10-09                | 2016-10-09                   |
| 2                 | Spectrum Analyzer | Rohde & Schwarz | FSP       | SEM004-06     | 2015-10-17                | 2016-10-17                   |
| 3                 | Signal Generator  | Rohde & Schwarz | SML03     | SEM006-02     | 2016-04-25                | 2017-04-25                   |
| 4                 | Power Meter       | Rohde & Schwarz | NRVS      | SEM014-02     | 2015-10-09                | 2016-10-09                   |

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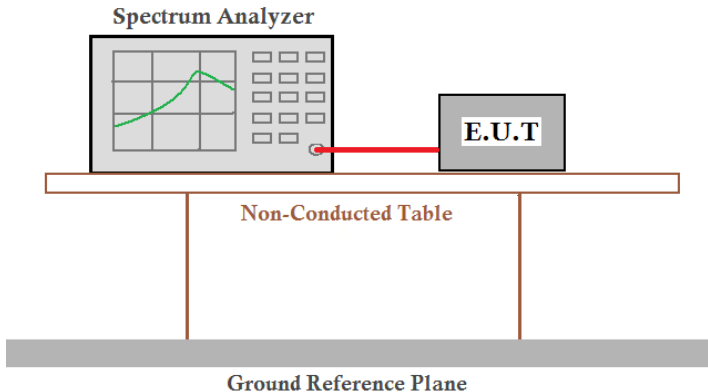
## 6 Test results and Measurement Data

### 6.1 Antenna Requirement

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Standard requirement:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 47 CFR Part 15C Section 15.203                                                      |
| <p>15.203 requirement:</p> <p>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.</p> |                                                                                     |
| <b>EUT Antenna:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <p>The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 0dBi.</p>                                                                                                                                                                                                                                                                                                                                                     |                                                                                     |

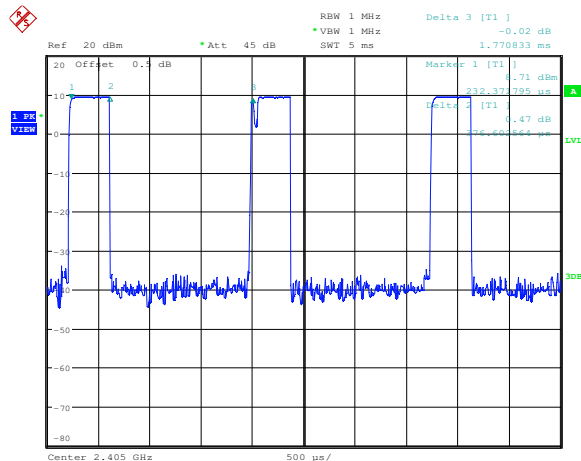
## 6.2 Radiated Spurious Emissions

### 6.2.1 Duty Cycle

|                   |                                                                                                                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | 47 CFR Part 15C Section 15.35 (c)                                                                                                                                                                                                                                                                               |
| Test Method:      | ANSI C63.10:2013                                                                                                                                                                                                                                                                                                |
| Test Setup:       |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected via a red cable to an Equipment Under Test (E.U.T.). Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.</p> |
| Instruments Used: | Refer to section 5.10 for details                                                                                                                                                                                                                                                                               |
| Limit:            | N/A                                                                                                                                                                                                                                                                                                             |
| Test Mode:        | Transmitting mode                                                                                                                                                                                                                                                                                               |
| Test Results:     | Pass                                                                                                                                                                                                                                                                                                            |

**Test plot as follows:**

### Duty cycle numbers



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

Report No.: SZEM160400262901

Page: 14 of 32

## 6.2.2 Spurious Emissions

|                                                                                                                                                                                                                                                                             |                                                                                                       |                                     |                   |               |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------|---------------|-----------------------------|
| Test Requirement:                                                                                                                                                                                                                                                           | 47 CFR Part 15C Section 15.249 and 15.209                                                             |                                     |                   |               |                             |
| Test Method:                                                                                                                                                                                                                                                                | ANSI C63.10: 2013                                                                                     |                                     |                   |               |                             |
| Test Site:                                                                                                                                                                                                                                                                  | Measurement Distance: 3m (Semi-Anechoic Chamber)<br>Measurement Distance: 10m (Semi-Anechoic Chamber) |                                     |                   |               |                             |
| Receiver Setup:                                                                                                                                                                                                                                                             | Frequency                                                                                             | Detector                            | RBW               | VBW           | Remark                      |
|                                                                                                                                                                                                                                                                             | 0.009MHz-0.090MHz                                                                                     | Peak                                | 10kHz             | 30kHz         | Peak                        |
|                                                                                                                                                                                                                                                                             | 0.009MHz-0.090MHz                                                                                     | Average                             | 10kHz             | 30kHz         | Average                     |
|                                                                                                                                                                                                                                                                             | 0.090MHz-0.110MHz                                                                                     | Quasi-peak                          | 10kHz             | 30kHz         | Quasi-peak                  |
|                                                                                                                                                                                                                                                                             | 0.110MHz-0.490MHz                                                                                     | Peak                                | 10kHz             | 30kHz         | Peak                        |
|                                                                                                                                                                                                                                                                             | 0.110MHz-0.490MHz                                                                                     | Average                             | 10kHz             | 30kHz         | Average                     |
|                                                                                                                                                                                                                                                                             | 0.490MHz -30MHz                                                                                       | Quasi-peak                          | 10kHz             | 30kHz         | Quasi-peak                  |
|                                                                                                                                                                                                                                                                             | 30MHz-1GHz                                                                                            | Quasi-peak                          | 100 kHz           | 300kHz        | Quasi-peak                  |
|                                                                                                                                                                                                                                                                             | Above 1GHz                                                                                            | Peak                                | 1MHz              | 3MHz          | Peak                        |
|                                                                                                                                                                                                                                                                             |                                                                                                       | Peak                                | 1MHz              | 10Hz          | Average                     |
| Limit:<br>(Spurious Emissions)                                                                                                                                                                                                                                              | Frequency                                                                                             | Field strength<br>(microvolt/meter) | Limit<br>(dBuV/m) | Remark        | Measurement<br>distance (m) |
|                                                                                                                                                                                                                                                                             | 0.009MHz-0.490MHz                                                                                     | 2400/F(kHz)                         | -                 | -             | 300                         |
|                                                                                                                                                                                                                                                                             | 0.490MHz-1.705MHz                                                                                     | 24000/F(kHz)                        | -                 | -             | 30                          |
|                                                                                                                                                                                                                                                                             | 1.705MHz-30MHz                                                                                        | 30                                  | -                 | -             | 30                          |
|                                                                                                                                                                                                                                                                             | 30MHz-88MHz                                                                                           | 29.9                                | 40.0              | Quasi-peak    | 10                          |
|                                                                                                                                                                                                                                                                             | 88MHz-216MHz                                                                                          | 44.7                                | 43.5              | Quasi-peak    | 10                          |
|                                                                                                                                                                                                                                                                             | 216MHz-960MHz                                                                                         | 60.3                                | 46.0              | Quasi-peak    | 10                          |
|                                                                                                                                                                                                                                                                             | 960MHz-1GHz                                                                                           | 100                                 | 54.0              | Quasi-peak    | 10                          |
|                                                                                                                                                                                                                                                                             | Above 1GHz                                                                                            | 500                                 | 54.0              | Average       | 3                           |
| Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device. |                                                                                                       |                                     |                   |               |                             |
| Limit:<br>(Field strength of the<br>fundamental signal)                                                                                                                                                                                                                     | Frequency                                                                                             | Limit (dBuV/m @3m)                  |                   | Remark        |                             |
|                                                                                                                                                                                                                                                                             | 2400MHz-2483.5MHz                                                                                     | 94.0                                |                   | Average Value |                             |
|                                                                                                                                                                                                                                                                             |                                                                                                       | 114.0                               |                   | Peak Value    |                             |

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**Test Setup:**

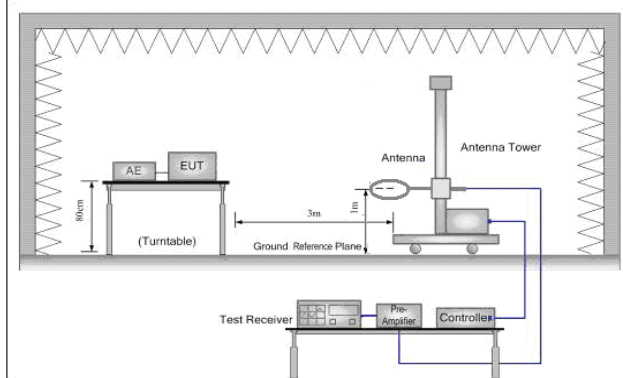


Figure 1. Below 30MHz

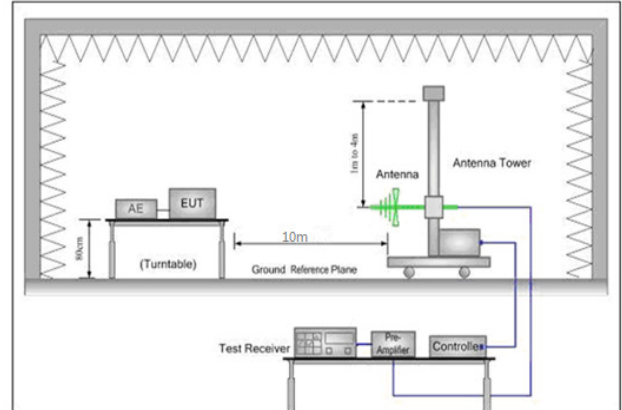


Figure 2. 30MHz to 1GHz

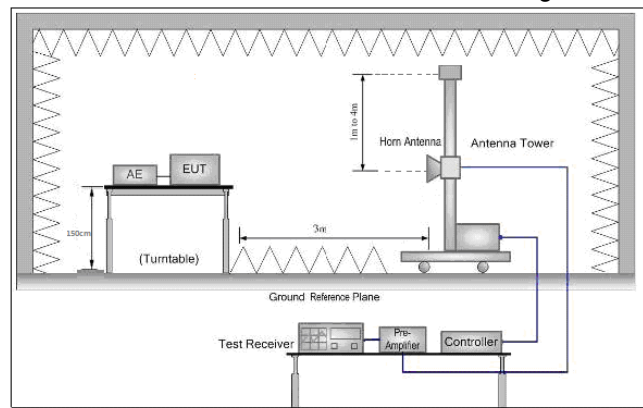


Figure 3. Above 1 GHz

**Test Procedure:**

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 and 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- 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.
- 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.
- 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.



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

Report No.: SZEM160400262901

Page: 16 of 32

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | <ul style="list-style-type: none"><li>f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li><li>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.</li><li>h. Test the EUT in the lowest channel,the middle channel,the Highest channel</li><li>i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case.</li><li>j. Repeat above procedures until all frequencies measured was complete.</li></ul> |
| Test Mode:        | Transmitting mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Instruments Used: | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Test Results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |



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

Report No.: SZEM160400262901

Page: 17 of 32

**Measurement Data**

**6.2.2.1 Field Strength Of The Fundamental Signal**

| Average value:     |                                  |
|--------------------|----------------------------------|
| Calculate Formula: | Average value=Peak value + PDCF  |
|                    | PDCF=20 log(Duty cycle)          |
|                    | Duty cycle= T on time / T period |
| Test data:         | Ton time =0.377ms                |
|                    | T period =1.771ms                |
|                    | PDCF =-13.44                     |

**Peak value:**

| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Preamp Factor (dB) | Read Level (dBuV) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
|-----------------|-----------------|-----------------------|--------------------|-------------------|----------------|---------------------|-----------------|--------------|
| 2405.000        | 28.62           | 5.35                  | 38.11              | 107.21            | 103.07         | 114.00              | -10.93          | Horizontal   |
| 2405.000        | 28.62           | 5.35                  | 38.11              | 102.25            | 98.11          | 114.00              | -15.89          | Vertical     |
| 2445.000        | 32.42           | 4.97                  | 38.46              | 103.58            | 102.51         | 114.00              | -11.49          | Horizontal   |
| 2445.000        | 32.42           | 4.97                  | 38.46              | 98.18             | 97.11          | 114.00              | -16.89          | Vertical     |
| 2475.000        | 28.95           | 5.40                  | 38.12              | 106.59            | 102.82         | 114.00              | -11.18          | Horizontal   |
| 2475.000        | 28.95           | 5.40                  | 38.12              | 101.88            | 98.11          | 114.00              | -15.89          | Vertical     |

**Average value:**

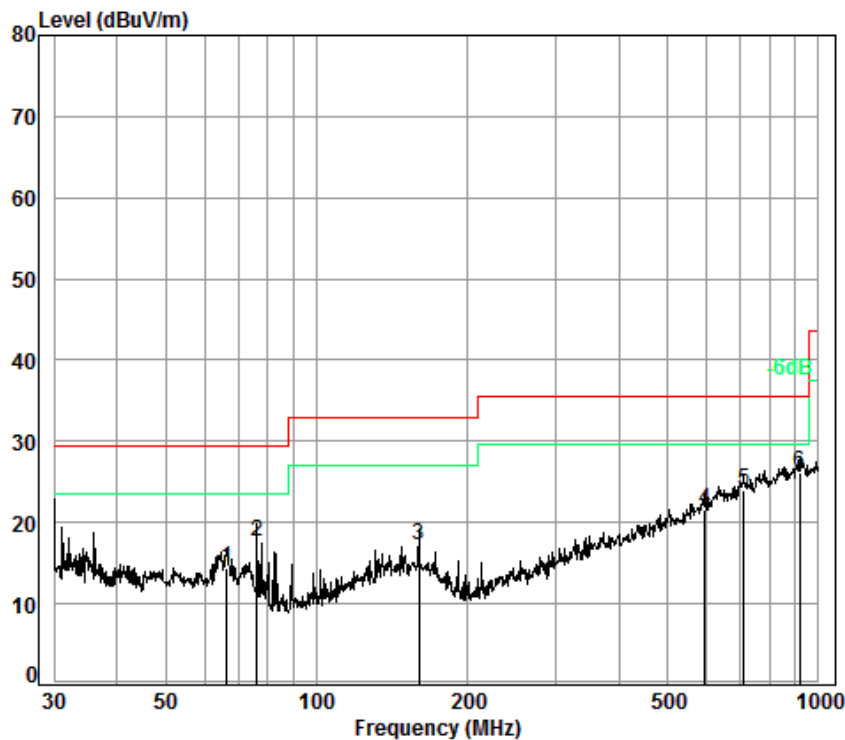
| Frequency (MHz) | PDCF   | Peak Level (dBuV/m) | Average Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
|-----------------|--------|---------------------|------------------------|---------------------|-----------------|--------------|
| 2405.000        | -13.44 | 103.07              | 89.63                  | 94.00               | -4.37           | Horizontal   |
| 2405.000        |        | 98.11               | 84.67                  | 94.00               | -9.33           | Vertical     |
| 2445.000        |        | 102.51              | 89.07                  | 94.00               | -4.93           | Horizontal   |
| 2445.000        |        | 97.11               | 83.67                  | 94.00               | -10.33          | Vertical     |
| 2475.000        |        | 102.82              | 89.38                  | 94.00               | -4.62           | Horizontal   |
| 2475.000        |        | 98.11               | 84.67                  | 94.00               | -9.33           | Vertical     |

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6.2.2.2 Spurious Emissions

| 30MHz~1GHz |                   |          |
|------------|-------------------|----------|
| Test mode: | Transmitting mode | Vertical |



Condition: 10m Vertical

Job No. : 2629CR

Test Mode: a

|      | Freq   | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level  | Limit  | Over Limit |
|------|--------|------------|------------|---------------|------------|--------|--------|------------|
|      | MHz    | dB         | dB/m       | dB            | dBuV       | dBuV/m | dBuV/m | dB         |
| 1    | 66.27  | 6.97       | 10.76      | 32.92         | 29.67      | 14.48  | 29.50  | -15.02     |
| 2    | 76.24  | 7.03       | 9.09       | 32.88         | 34.51      | 17.75  | 29.50  | -11.75     |
| 3    | 159.78 | 7.50       | 13.39      | 32.73         | 28.98      | 17.14  | 33.00  | -15.86     |
| 4    | 595.13 | 8.89       | 18.61      | 32.60         | 26.67      | 21.57  | 35.60  | -14.03     |
| 5    | 709.18 | 9.17       | 20.24      | 32.60         | 27.23      | 24.04  | 35.60  | -11.56     |
| 6 pp | 916.07 | 9.50       | 22.44      | 32.50         | 26.68      | 26.12  | 35.60  | -9.48      |

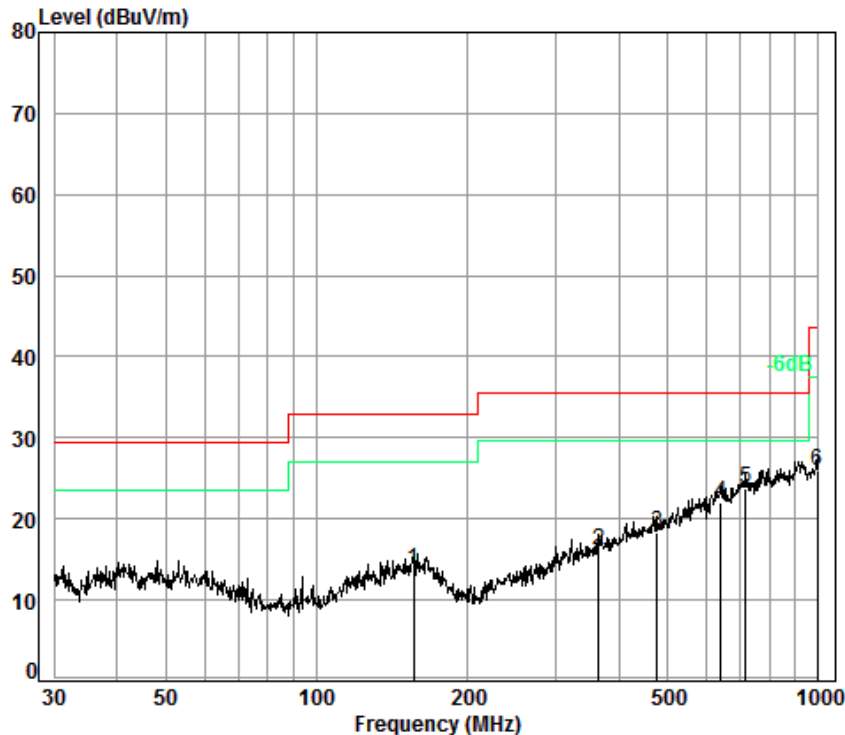


SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch

Report No.: SZEM160400262901

Page: 19 of 32

|            |                   |            |
|------------|-------------------|------------|
| Test mode: | Transmitting mode | Horizontal |
|------------|-------------------|------------|



Condition: 10m Horizontal

Job No. : 2629CR

Test Mode: a

|      | Freq   | Cable<br>Loss | Ant Factor | Preamp<br>Factor | Read<br>Level | Level  | Limit<br>Line | Over<br>Limit |
|------|--------|---------------|------------|------------------|---------------|--------|---------------|---------------|
|      | MHz    | dB            | dB/m       | dB               | dBuV          | dBuV/m | dBuV/m        | dB            |
| 1    | 156.46 | 7.48          | 13.40      | 32.74            | 25.63         | 13.77  | 33.00         | -19.23        |
| 2    | 364.26 | 8.30          | 14.16      | 32.60            | 26.23         | 16.09  | 35.60         | -19.51        |
| 3    | 477.17 | 8.49          | 16.48      | 32.60            | 25.86         | 18.23  | 35.60         | -17.37        |
| 4    | 638.37 | 9.00          | 19.39      | 32.60            | 26.19         | 21.98  | 35.60         | -13.62        |
| 5 pp | 716.68 | 9.19          | 20.34      | 32.60            | 26.72         | 23.65  | 35.60         | -11.95        |
| 6    | 993.01 | 9.60          | 22.84      | 32.50            | 26.03         | 25.97  | 43.50         | -17.53        |

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

Report No.: SZEM160400262901

Page: 20 of 32

| Above 1GHz      |                 |                       |                          |                   |                |                     |                 |              |
|-----------------|-----------------|-----------------------|--------------------------|-------------------|----------------|---------------------|-----------------|--------------|
| Test mode:      |                 | Transmitting          |                          | Test channel:     |                | Lowest              |                 | Remark:      |
| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Preamplifier Factor (dB) | Read Level (dBuV) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 3814.113        | 4.95            | 33.18                 | 38.88                    | 48.77             | 48.02          | 74.00               | -25.98          | Vertical     |
| 4810.000        | 5.63            | 34.70                 | 39.24                    | 50.66             | 51.75          | 74.00               | -22.25          | Vertical     |
| 5980.114        | 6.59            | 36.26                 | 39.19                    | 48.33             | 51.99          | 74.00               | -22.01          | Vertical     |
| 7215.000        | 6.80            | 35.63                 | 39.07                    | 49.58             | 52.94          | 74.00               | -21.06          | Vertical     |
| 9620.000        | 8.94            | 37.33                 | 37.93                    | 44.31             | 52.65          | 74.00               | -21.35          | Vertical     |
| 3601.577        | 5.13            | 33.00                 | 38.79                    | 47.35             | 46.69          | 74.00               | -27.31          | Horizontal   |
| 4810.000        | 5.63            | 34.70                 | 39.24                    | 49.61             | 50.70          | 74.00               | -23.30          | Horizontal   |
| 5980.114        | 6.59            | 36.26                 | 39.19                    | 48.62             | 52.28          | 74.00               | -21.72          | Horizontal   |
| 7215.000        | 6.80            | 35.63                 | 39.07                    | 49.16             | 52.52          | 74.00               | -21.48          | Horizontal   |
| 12399.870       | 8.65            | 39.20                 | 39.04                    | 44.83             | 53.64          | 74.00               | -20.36          | Horizontal   |

| Test mode:      |                 | Transmitting          |                          | Test channel:     |                | Middle              |                 | Remark:      |
|-----------------|-----------------|-----------------------|--------------------------|-------------------|----------------|---------------------|-----------------|--------------|
| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Preamplifier Factor (dB) | Read Level (dBuV) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 3869.178        | 5.03            | 33.27                 | 38.90                    | 48.04             | 47.44          | 74.00               | -26.56          | Vertical     |
| 4890.000        | 5.61            | 34.78                 | 39.26                    | 50.51             | 51.64          | 74.00               | -22.36          | Vertical     |
| 6088.229        | 6.55            | 36.20                 | 39.17                    | 48.38             | 51.96          | 74.00               | -22.04          | Vertical     |
| 7335.000        | 6.73            | 35.50                 | 39.06                    | 49.37             | 52.54          | 74.00               | -21.46          | Vertical     |
| 9780.000        | 8.84            | 37.81                 | 37.84                    | 43.51             | 52.32          | 74.00               | -21.68          | Vertical     |
| 3601.577        | 5.13            | 33.00                 | 38.79                    | 47.48             | 46.82          | 74.00               | -27.18          | Horizontal   |
| 4890.000        | 5.61            | 34.78                 | 39.26                    | 49.85             | 50.98          | 74.00               | -23.02          | Horizontal   |
| 6044.750        | 6.63            | 36.25                 | 39.18                    | 48.29             | 51.99          | 74.00               | -22.01          | Horizontal   |
| 7335.000        | 6.73            | 35.50                 | 39.06                    | 49.17             | 52.34          | 74.00               | -21.66          | Horizontal   |
| 12578.890       | 8.93            | 39.25                 | 39.19                    | 44.41             | 53.40          | 74.00               | -20.60          | Horizontal   |

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

Report No.: SZEM160400262901

Page: 21 of 32

| Test mode:      |                 | Transmitting          |                          | Test channel:     |                | Highest             |                 | Remark:      | Peak |
|-----------------|-----------------|-----------------------|--------------------------|-------------------|----------------|---------------------|-----------------|--------------|------|
| Frequency (MHz) | Cable Loss (dB) | Antenna Factor (dB/m) | Preamplifier Factor (dB) | Read Level (dBuV) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |      |
| 3706.322        | 5.02            | 33.08                 | 38.83                    | 47.47             | 46.74          | 74.00               | -27.26          | Vertical     |      |
| 4950.000        | 5.60            | 34.86                 | 39.29                    | 47.98             | 49.15          | 74.00               | -24.85          | Vertical     |      |
| 6176.127        | 6.38            | 36.11                 | 39.17                    | 48.29             | 51.61          | 74.00               | -22.39          | Vertical     |      |
| 7425.000        | 6.72            | 35.43                 | 39.05                    | 49.40             | 52.50          | 74.00               | -21.50          | Vertical     |      |
| 9900.000        | 9.19            | 38.27                 | 37.75                    | 43.09             | 52.80          | 74.00               | -21.20          | Vertical     |      |
| 3869.178        | 5.03            | 33.27                 | 38.90                    | 47.88             | 47.28          | 74.00               | -26.72          | Horizontal   |      |
| 4950.000        | 5.60            | 34.86                 | 39.29                    | 48.02             | 49.19          | 74.00               | -24.81          | Horizontal   |      |
| 6001.583        | 6.71            | 36.30                 | 39.18                    | 48.01             | 51.84          | 74.00               | -22.16          | Horizontal   |      |
| 7425.000        | 6.72            | 35.43                 | 39.05                    | 49.51             | 52.61          | 74.00               | -21.39          | Horizontal   |      |
| 12444.380       | 8.72            | 39.21                 | 39.07                    | 44.68             | 53.54          | 74.00               | -20.46          | Horizontal   |      |

**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
- 2) Scan from 9kHz to 25GHz, The disturbance above 13GHz 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 .
- 3) 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 the peak measurements were shown in the report.

### 6.3 Restricted bands around fundamental frequency

|                   |                                                                                                                                                                                                                                                                |                    |                  |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|
| Test Requirement: | 47 CFR Part 15C Section 15.209 and 15.205                                                                                                                                                                                                                      |                    |                  |
| Test Method:      | ANSI C63.10: 2013                                                                                                                                                                                                                                              |                    |                  |
| Test Site:        | Measurement Distance: 3m (Semi-Anechoic Chamber)                                                                                                                                                                                                               |                    |                  |
| Limit(band edge): | Emissions 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. |                    |                  |
|                   | 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 |
| Test Setup:       | Above 1GHz                                                                                                                                                                                                                                                     | 54.0               | Average Value    |
|                   |                                                                                                                                                                                                                                                                | 74.0               | Peak Value       |

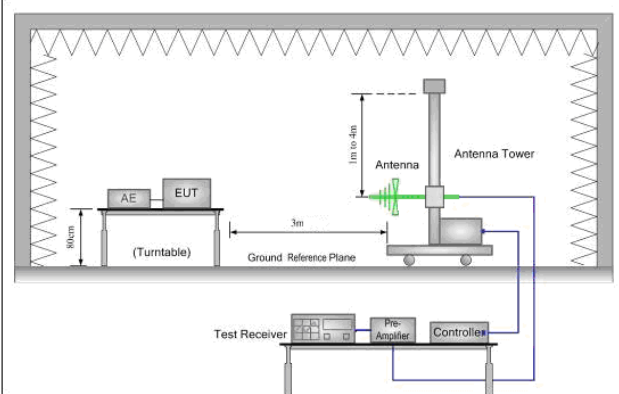


Figure 1. 30MHz to 1GHz

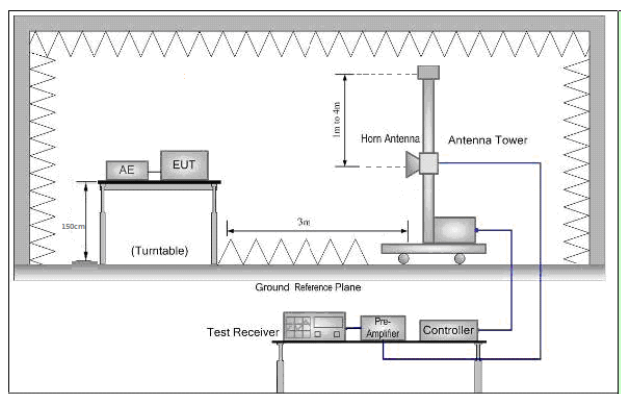


Figure 2. Above 1 GHz



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

Report No.: SZEM160400262901

Page: 23 of 32

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Procedure:        | <ul style="list-style-type: none"><li>a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li><li>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 semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li><li>c. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li><li>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.</li><li>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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li><li>f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li><li>g. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel</li><li>h. Test the EUT in the lowest channel , the Highest channel</li><li>i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case.</li><li>j. Repeat above procedures until all frequencies measured was complete.</li></ul> |
| Exploratory Test Mode: | Transmitting mode,Charge +Transmitting mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Final Test Mode:       | Pretest the EUT at Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case<br>Only the worst case is recorded in the report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Instruments Used:      | Refer to section 5.10 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



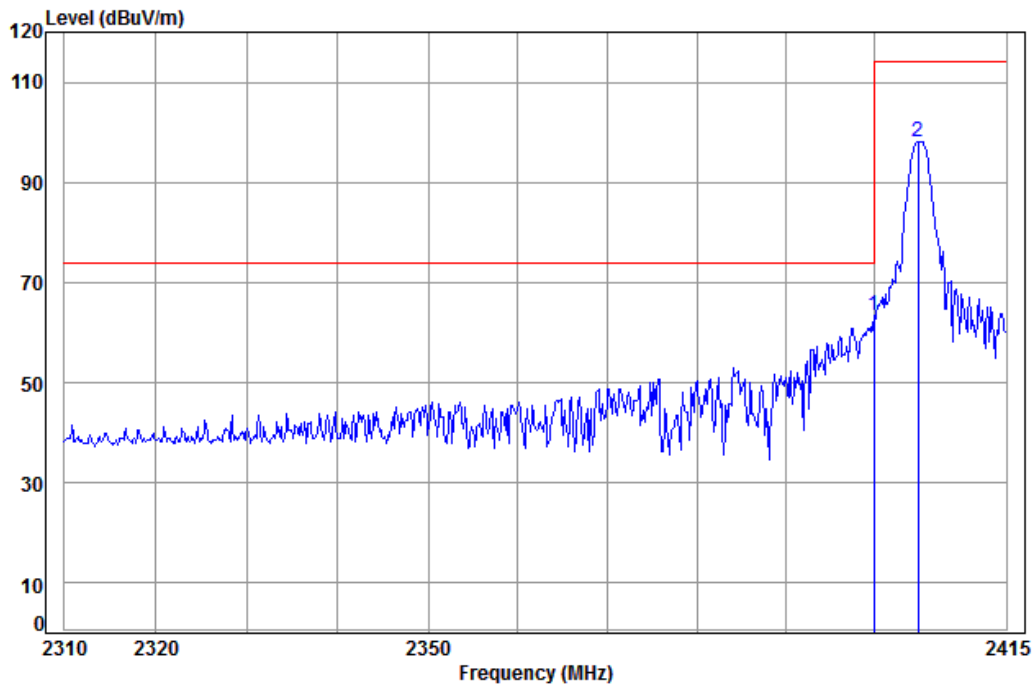
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Report No.: SZEM160400262901

Page: 24 of 32

Test plot as follows:

|            |              |               |        |         |      |          |
|------------|--------------|---------------|--------|---------|------|----------|
| Test mode: | Transmitting | Test channel: | Lowest | Remark: | Peak | Vertical |
|------------|--------------|---------------|--------|---------|------|----------|



Condition: 3m Horizontal

Job No: : 2629CR

Mode: : 2405 Band edge

|      | Freq     | Cable Loss | Ant Factor | Preamplifier | Read Level | Level  | Limit Line | Over Limit |
|------|----------|------------|------------|--------------|------------|--------|------------|------------|
|      | MHz      | dB         | dB/m       | dB           | dBuV       | dBuV/m | dBuV/m     | dB         |
| 1 pp | 2400.000 | 5.34       | 28.60      | 38.11        | 67.46      | 63.29  | 74.00      | -10.71     |
| 2    | 2405.000 | 5.35       | 28.62      | 38.11        | 102.25     | 98.11  | 114.00     | -15.89     |

|            |              |               |        |         |         |          |
|------------|--------------|---------------|--------|---------|---------|----------|
| Test mode: | Transmitting | Test channel: | Lowest | Remark: | Average | Vertical |
|------------|--------------|---------------|--------|---------|---------|----------|

| Frequency (MHz) | PDCF   | Peak Level (dBuV/m) | Average Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
|-----------------|--------|---------------------|------------------------|---------------------|-----------------|--------------|
| 2400.000        | -13.44 | 63.29               | 49.85                  | 54.00               | -4.15           | Horizontal   |
| 2405.000        |        | 98.11               | 84.67                  | 94.00               | -9.33           | Vertical     |

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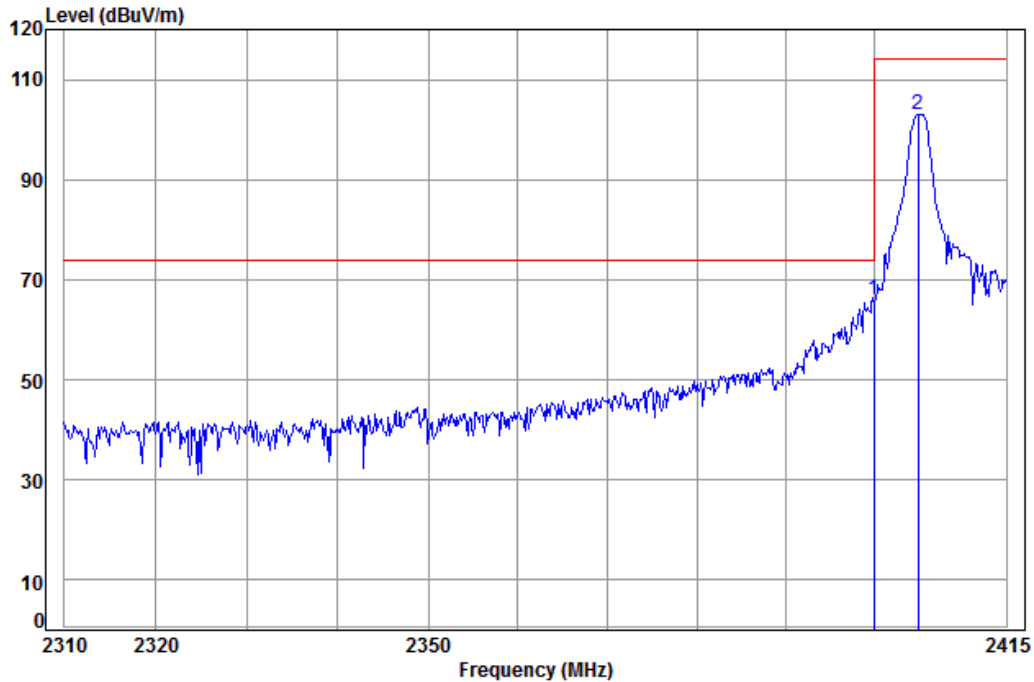


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**Shenzhen Branch**

Report No.: SZEM160400262901

Page: 25 of 32

|            |              |               |        |         |      |            |
|------------|--------------|---------------|--------|---------|------|------------|
| Test mode: | Transmitting | Test channel: | Lowest | Remark: | Peak | Horizontal |
|------------|--------------|---------------|--------|---------|------|------------|



Condition: 3m Vertical

Job No: : 2629CR

Mode: : 2405 Band edge

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over          |
|------|----------|-------|--------|--------|--------|--------|---------------|
|      | Freq     | Loss  | Factor | Factor | Level  | Line   | Limit         |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dB            |
| 1 pp | 2400.000 | 5.34  | 28.60  | 38.11  | 70.16  | 65.99  | 74.00 -8.01   |
| 2    | 2405.000 | 5.35  | 28.62  | 38.11  | 107.21 | 103.07 | 114.00 -10.93 |

|            |              |               |        |         |         |            |
|------------|--------------|---------------|--------|---------|---------|------------|
| Test mode: | Transmitting | Test channel: | Lowest | Remark: | Average | Horizontal |
|------------|--------------|---------------|--------|---------|---------|------------|

| Frequency (MHz) | PDCF   | Peak Level (dBuV/m) | Average Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
|-----------------|--------|---------------------|------------------------|---------------------|-----------------|--------------|
| 2400.000        | -13.44 | 65.99               | 52.55                  | 54.00               | -1.45           | Horizontal   |
| 2405.000        |        | 103.07              | 89.63                  | 94.00               | -4.37           | Vertical     |

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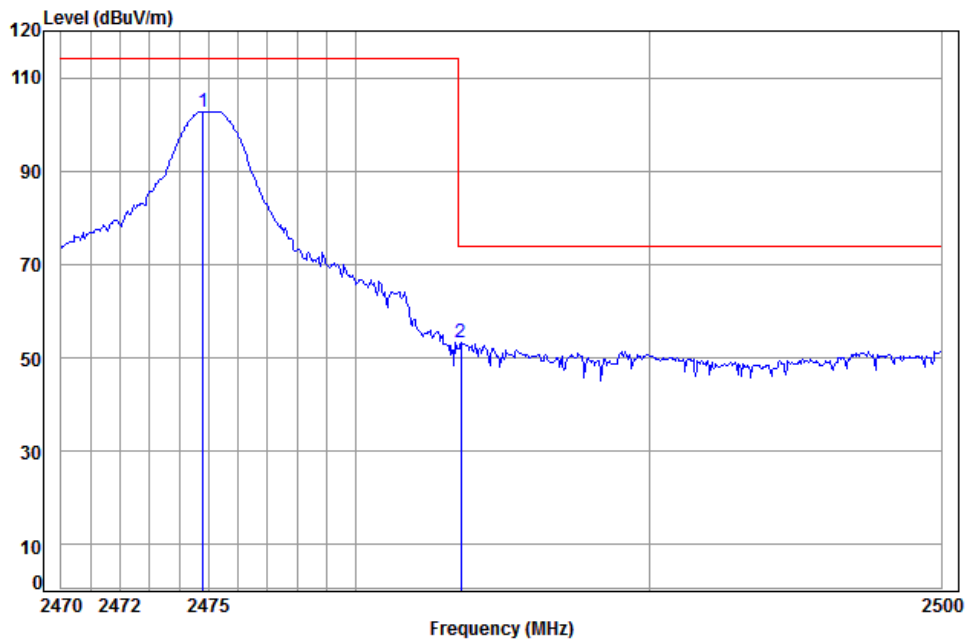


SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch

Report No.: SZEM160400262901

Page: 26 of 32

|            |              |               |         |         |      |          |
|------------|--------------|---------------|---------|---------|------|----------|
| Test mode: | Transmitting | Test channel: | Highest | Remark: | Peak | Vertical |
|------------|--------------|---------------|---------|---------|------|----------|



Condition: 3m Vertical

Job No: : 2629CR

Mode: : 2475 Band edge

|      |         | Cable | Ant    | Preamp | Read   | Limit  | Over          |
|------|---------|-------|--------|--------|--------|--------|---------------|
|      | Freq    | Loss  | Factor | Factor | Level  | Line   | Limit         |
|      | MHz     | dB    | dB/m   | dB     | dBuV   | dBUV/m | dB            |
| 1 pp | 2474.82 | 5.40  | 28.95  | 38.12  | 106.59 | 102.82 | 114.00 -11.18 |
| 2    | 2483.59 | 5.41  | 28.98  | 38.12  | 56.88  | 53.15  | 74.00 -20.85  |

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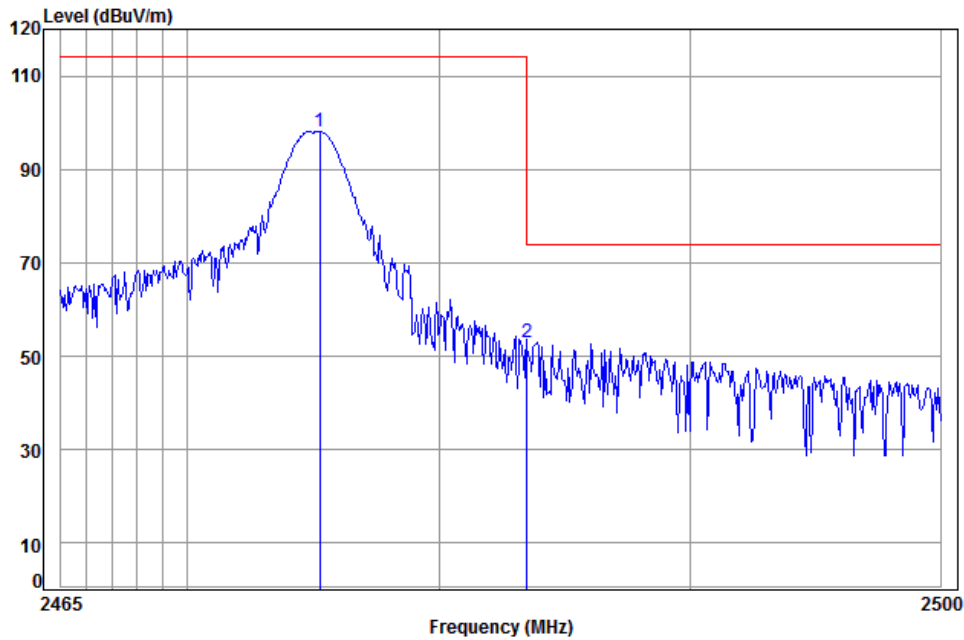


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**Shenzhen Branch**

Report No.: SZEM160400262901

Page: 27 of 32

|            |              |               |         |         |      |            |
|------------|--------------|---------------|---------|---------|------|------------|
| Test mode: | Transmitting | Test channel: | Highest | Remark: | Peak | Horizontal |
|------------|--------------|---------------|---------|---------|------|------------|



Condition: 3m HORIZONTAL

Job No: : 2629CR

Mode: : 2475 Band edge

|      |         | Cable | Ant    | Preamp | Read   |        | Limit  | Over   |
|------|---------|-------|--------|--------|--------|--------|--------|--------|
|      | Freq    | Loss  | Factor | Factor | Level  | Level  | Line   | Limit  |
|      | MHz     | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |
| 1 pp | 2475.24 | 5.40  | 28.95  | 38.12  | 101.88 | 98.11  | 114.00 | -15.89 |
| 2    | 2483.50 | 5.41  | 28.98  | 38.12  | 56.81  | 53.08  | 74.00  | -20.92 |

**Note:**

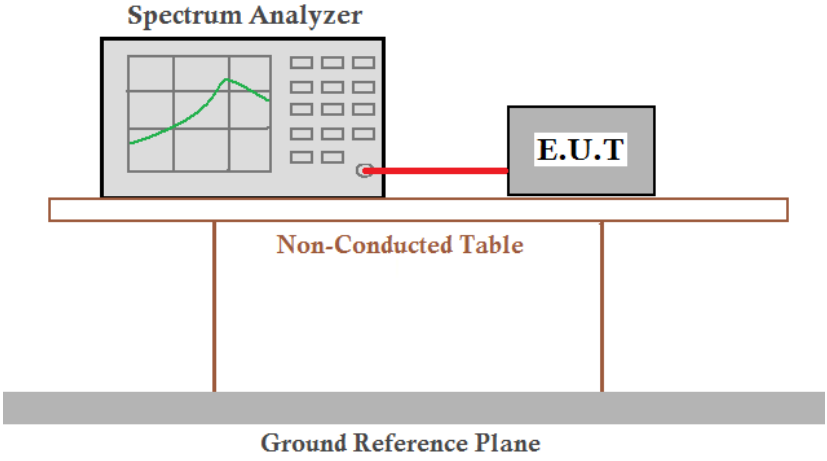
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation

with a sample calculation is as follows:

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

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## 6.4 20dB Bandwidth

|                        |                                                                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.215                                                                                                                                                                                        |
| Test Method:           | ANSI C63.10:2013                                                                                                                                                                                                      |
| Test Setup:            |                                                                                                                                    |
| Limit:                 | N/A                                                                                                                                                                                                                   |
| Exploratory Test Mode: | Transmitter mode                                                                                                                                                                                                      |
| Final Test Mode:       | Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6Mbps of rate is the worst case of 802.11n(HT20); 6Mbps of rate is the worst case of 802.11n(HT40) |
| Instruments Used:      | Refer to section 5.10 for details                                                                                                                                                                                     |
| Test Results:          | Pass                                                                                                                                                                                                                  |

### Measurement Data

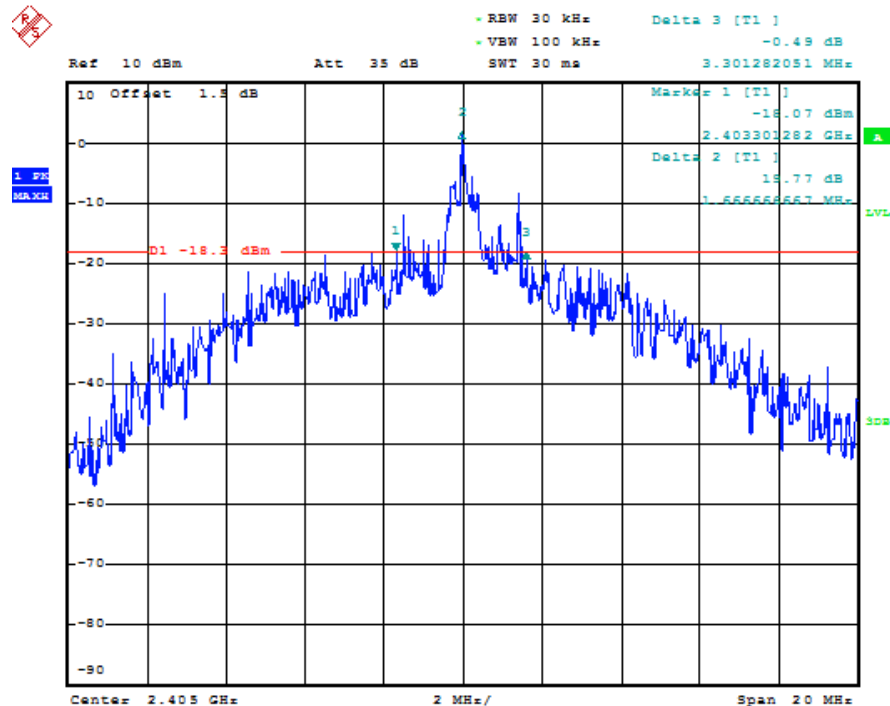
| Test Channel | 20dB bandwidth (MHz) | Results |
|--------------|----------------------|---------|
| Lowest       | 3.301                | Pass    |
| Middle       | 3.686                | Pass    |
| Highest      | 2.821                | Pass    |

Report No.: SZEM160400262901

Page: 29 of 32

**Test plot as follows:**

|               |        |
|---------------|--------|
| Test channel: | Lowest |
|---------------|--------|



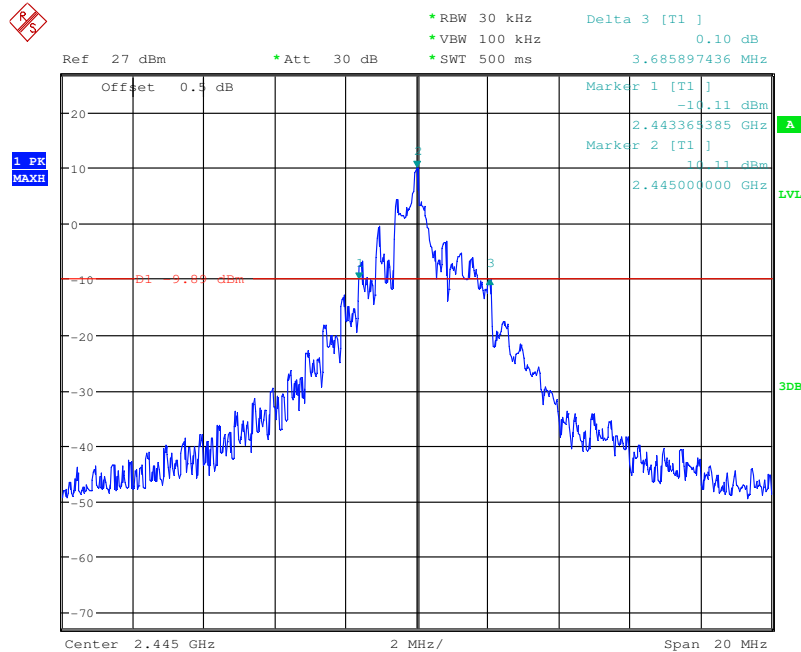
|               |        |
|---------------|--------|
| Test channel: | Middle |
|---------------|--------|



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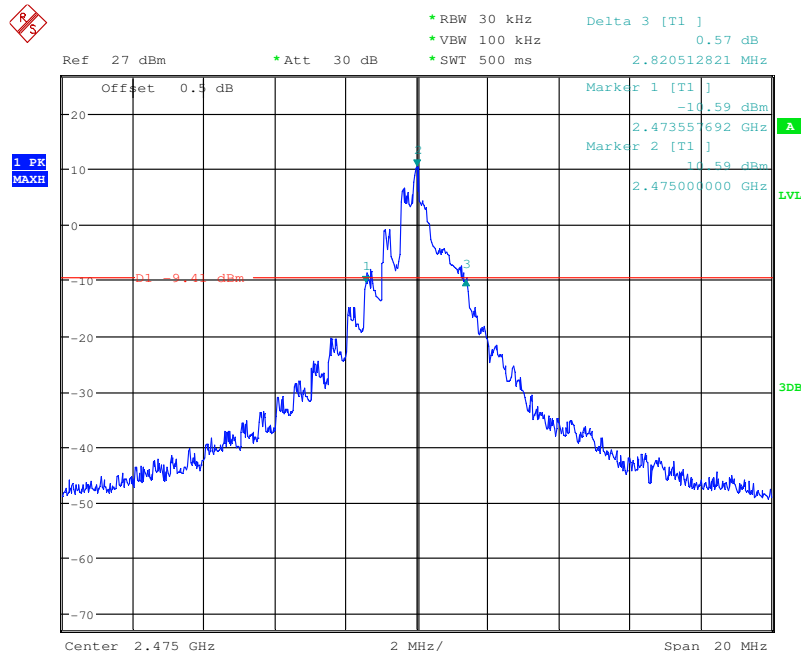
Report No.: SZEM160400262901

Page: 30 of 32



Test channel:

Highest



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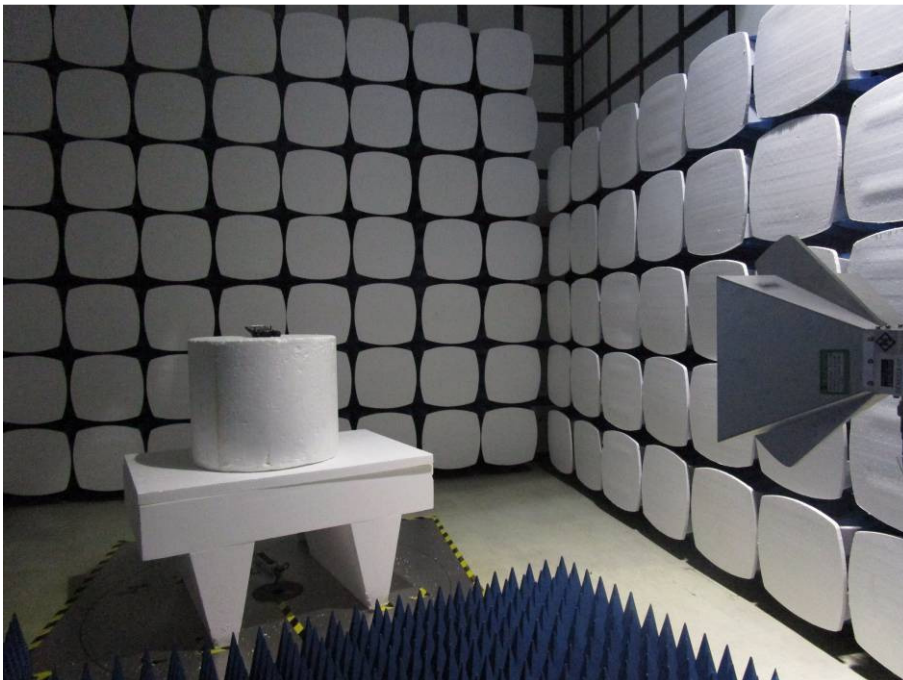
## 7 Photographs - EUT Test Setup

Test model No.:T901

### 7.1 Radiated Emission



### 7.2 Radiated Spurious Emission



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## **8 Photographs - EUT Constructional Details**

Refer to Appendix A - Photographs of EUT Constructional Details for SZEM1604002629CR.