**SLG Asia Test Labs & Service (HK) Limited**

# Test Report

## According to

## FCC PART 15 Subpart C

## FCC ID: S29TALI-H500

## Test Report Number: H1M21407-2065-P-15

SLG Asia Test Labs & Service (HK) Limited
26/F., Tamson Plaza, 161 Wai Yip Street
Kwun Tong, Kowloon, Hong Kong

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# SLG Asia Test Labs & Service (HK) Limited

# TEST REPORT

Summary | FCC Part 15C

| | |
|---|---|
| Test Report No. ..... : | H1M21407-2065-P-15 |
| Date of issue..... : | 27.08.2014 |
| **Testing Laboratory name** ..... : | SLG Asia Test Labs & Service (HK) Limited |
| Address..... : | 26/F., Tamson Plaza, 161 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong |
| **Applicant's name** ..... : | GuangZhou Walkera Technology Co., Ltd |
| Address..... : | Taishi Industrial Park, Dongchong Town, Nansha District, 511475 Guangzhou, China |
| **Manufacturer's name** ..... : | GuangZhou Walkera Technology Co., Ltd |
| Address..... : | Taishi Industrial Park, Dongchong Town, Nansha District, 511475 Guangzhou, China |
| **Test specification** | |
| Standard(s) applied ..... : | FCC Rules 47 CFR Part 15 Subpart C |
| **Test item description** ..... : | R/C Helicopter with GPS |
| Brand Name ..... : | devention, WALKERA |
| Model and/or type reference..... : | TALI-H500 |
| Rating(s) ..... : | 22.2V, 5400mAh (rechargeable Li-Po battery) |

**Summary of Test Results** **Pass**

*The Summary of Test Results based on a technical opinion belongs to the applied standard(s).*

**Disclaimer**

*Further details of testing are provided in particular chapters of this Test Report.*
*This document base on General Terms and Conditions of SLG Asia Test Labs & Service (HK) Limited, which the applicant accepted with order confirmation.*

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# 1 General Information

## 1.1 Test Report

Tested by:

| | | |
|---|---|---|
| 27.08.2014 | Mr. Karl Lau |  |
| Date | Test Engineer | Signature |

Approved by:

| | | |
|---|---|---|
| 27.08.2014 | Mr. F. Schulz |  |
| Date | Laboratory Manager | Signature |

## 1.2 Test Location

***All tests were carrying by personnel from:***

Name: SLG Asia Test Labs & Service (HK) Limited
Address: 26/F., Tamson Plaza, 161 Wai Yip Street
Kwun Tong, Kowloon, Hong Kong

Telephone: +852 2389 2200
Fax: +852 2389 3073

***The Test facility for radiated measurements is located at:***

Name : Hong Kong Productivity Council
Address: EMC Centre, LG1, HKPC Building, 78 Tat Chee Avenue
Kowloon, Hong Kong

**The Hong Kong Laboratory Accreditation Scheme (HOKLAS)**
Reg. No.082

**FCC registered measurement facility**
Reg. No.90656

## 1.3 Details of applicant

Name: GuangZhou Walkera Technology Co., Ltd
Address: Taishi Industrial Park, Dongchong Town, Nansha District
511475 Guangzhou, China

Contact: Mr. Ya
Telephone: +86-020-84915116
Fax: +86-020-84915117

## 1.4 Manufacturer

Name: GuangZhou Walkera Technology Co., Ltd
Address: Taishi Industrial Park, Dongchong Town, Nansha District
511475 Guangzhou, China

Contact: Mr. Ya
Telephone: +86-020-84915116
Fax: +86-020-84915117

## 1.5 Application details

| | | |
|---|---|---|
| Date of receipt of application: | 22.07.2014 | |
| Date of receipt of test item: | 22.07.2014 | |
| Date (s) of performance of tests: | 22.07.2014 | - 27.08.2014 |

## 1.6 Test item

| | |
|---|---|
| Description of test item: | R/C Helicopter with GPS |
| Type identification: | TALI-H500 |
| Brand Name: | devention, WALKERA |
| | |
| Equipment category: | Non Specific SRD DSSS transceiver |
| Equipment classification: | Portable use |
| Permitted frequency range: | 2400 – 2483.5 MHz |
| Operation frequency range: | 2400 – 2479 MHz (2.4GHz DSSS Transceiver) |
| Lowest Operation frequency: | 2405 MHz |
| Middles Operation frequency: | 2441 MHz |
| Highest Operation frequency: | 2479 MHz |
| Emission designator: | F7D |
| Antenna gain: | ≤ 0 dBi |
| Type of modulation: | DSSS |
| Operation mode: | simplex |
| Type of antenna: | integral |
| Power supply: | 22.2V, 5400mAh (rechargeable Li-Po battery) |
| 2.4G Transceiver Module: | RX705 |

All information was provided by the applicant)

Test Configuration:

| Part Name | Description | Tested configuration |
|---|---|---|
| TALI H500 | Hexacopter base with 6 motors | ✓ |
| FCS-H500 | Main controller | ✓ |
| RX705 | 2.4GHz transceiver module | ✓ |
| GPS | GPS receiver | ✓ |
| G-3D gimbal | Controller with camera holder | ✓ |
| DEVO F12E | Remote control with video | For function test only |
| iLook+ | 5.8GHz camera module | Not included |

## 1.7 General Test Conditions

**Environmental reference conditions**

If not defined otherwise by the Technical Committee responsible for the generic standard and/or the product standard the climatic conditions during the tests are to be within the limits specified by the manufacturer for the operation of the EUT and the test equipment.

The climatic conditions during the tests were within the following limits:

| Temperature | Humidity | Atmospheric pressure |
|---|---|---|
| 15 °C - 35 °C | 30 % - 60 % | 860 hPa - 1060 hPa |

If explicitly required in the test base (basic) the climatic values are recorded and documented separately for the respective test.

**Calibration of measurement and test equipment**

All measurement and testing equipment that has a significant influence on the accuracy of qualitative measurements and tests is subject to a periodical in-house system of calibration and servicing that is part of the quality management system of the EMC laboratory of SLG Asia Test Labs & Service (HK) Limited.

**Measurement uncertainties**

All tests are subject to measurement uncertainties. The overall measurement uncertainty of a measurement is defined as the range of which can be supposed that it contains the true value with a specified probability. This probability is 95 % for the generally specified measurement uncertainty (so-called expanded measurement uncertainty).
The limits for emission measurements and the test levels for immunity tests in the applied standards were defined taking into consideration the accuracy limits for measurement and testing equipment required by the basic standards.
All measurement and test results of the EMC laboratory of SLG Asia Test Labs & Service (HK) Limited fulfil the requirements for measurement uncertainties according to the standards applied.

# 2 Test result Summary

### *Digital Transmission system (2400-2483.5MHz)*

**Requirements according standard:**

| FCC Rule | Test description | Results/Notes | Limits/Requirements | Verdict |
|---|---|---|---|---|
| 15.247(a) | Digital modulation | System uses DSSS techniques | | P |
| 15.247(a) (2) | 6dB Bandwidth | > 888KHz | > 500kHz | P |
| 15.247(b) (3) | Maximum peak Power | 14.58dBm (EIRP) (28.71 mW) | 1W, EIRP limited to 4W | P |
| 15.247(e) | Power Spectral Density | -1.75dBm/3kHz | < 8dBm/3kHz | P |
| 15.247(d) / 15.209, 15.205 | Out-of-band Emission 30MHz – 25GHz | All signals below Limits | 15.209, 15.205 restricted bands, all others < -20dBc | P |
| 15.247(d) | Band-edge requirements in 100kHz Bandwidth | All frequencies inside the band | Within range 2400-2483.5MHz | P |
| 15.B | Radiated Emission For Receiver part | All signals below Limits | 15.109 | P |
| 15.203 | Antenna requirements | EUT has integral antenna | | P |
| 15.247 (b)/ 15.407 (f) | RF Exposure requirements | Exemption of RF Exposure evaluation. Please refer to attached statement | Refer to OET 65 | P |
| | | | | |

*Test case verdicts*

| | | |
|---|---|---|
| *P* | *- Pass* | *Test item does meet the requirement* |
| *F* | *- Fail* | *Test item does not meet the requirement* |
| *N.A.* | *- Not Applicable* | *Test case does not apply to the test object* |

# 3 Test results

## 3.1. 6dB Bandwidth

Test requirement: FCC Rules 47 CFR Part 15 Subpart C
Test method: 15.247 clause (a) (2)
Tested by: Mr. Karl Lau
Operating Environment: 25 °C, 50 %, 990 hPa
EUT operation: Transmitting in selected channel (worst case)
Tested model: TALI-H500

**Measurement Equipment Used:**

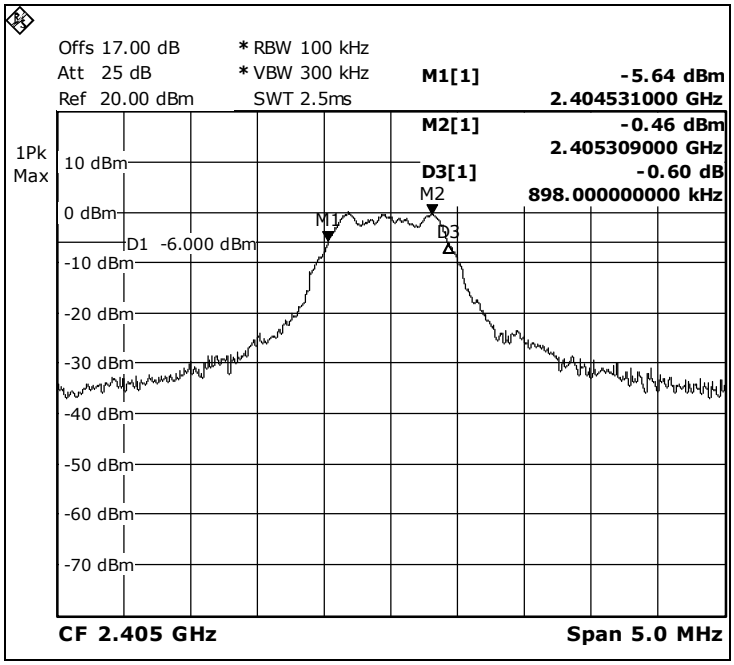
| ID No. | Test equipment | Type | Manufacturer | Cal Date | Cal Due Date | Cal Interval (year) |
|---|---|---|---|---|---|---|
| E113 | Spectrum Analyzer | FSL6 | Rohde & Schwarz | 26 Aug 2014 | 26 Aug 2015 | 1 |

**Measurement Results:**

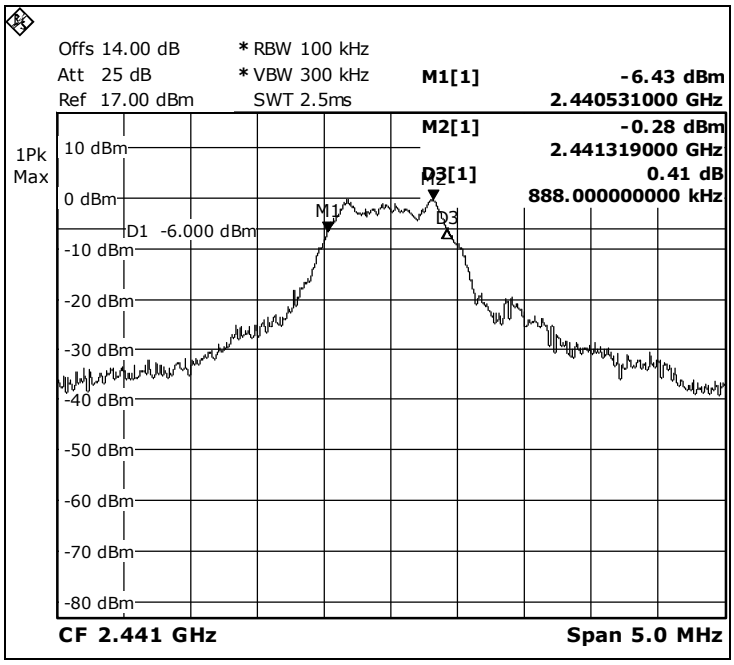
FCC part 15.247 (a) (2): Signal Bandwidth

| Frequency | Resolution bandwidth | 6dB bandwidth | Limit | Verdict |
|---|---|---|---|---|
| MHz | kHz | kHz | kHz | |
| 2405 | 100 | 898.00 | >500 | Pass |
| 2441 | 100 | 888.00 | >500 | Pass |
| 2479 | 100 | 938.00 | >500 | Pass |

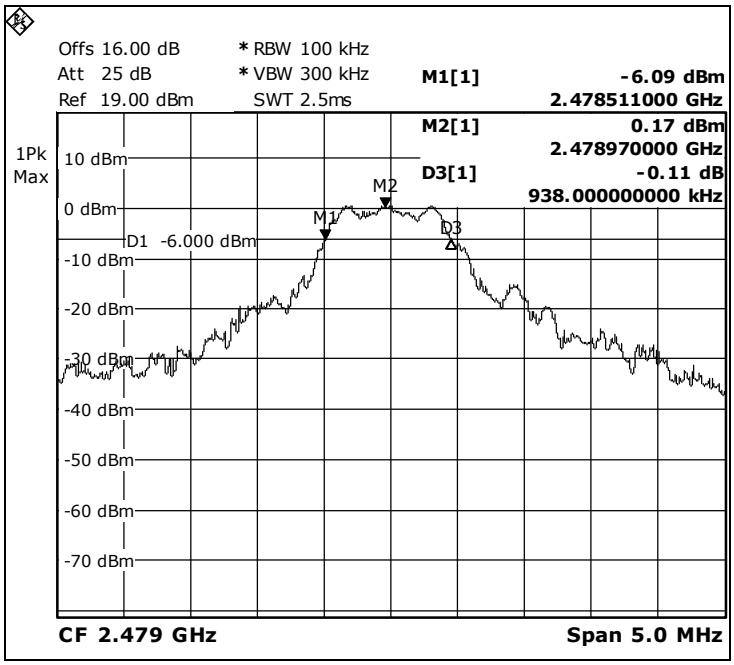
Lowest Operation frequency: 2405 MHz



Middles Operation frequency: 2441 MHz




Highest Operation frequency: 2479 MHz



## 3.2. Output power

Test requirement: FCC Rules 47 CFR Part 15 Subpart C
Test method: 15.247 clause (b) (3)
Tested by: Mr. Karl Lau
Operating Environment: 25 °C, 50 %, 990 hPa
EUT operation: Transmitting in selected channel (worst case)
Tested model: TALI-H500

**Measurement Equipment Used:**

| ID No. | Test equipment | Type | Manufacturer | Cal Date | Cal Due Date | Cal Interval (year) |
|---|---|---|---|---|---|---|
| E113 | Spectrum Analyzer | FSL6 | Rohde & Schwarz | 26 Aug 2014 | 26 Aug 2015 | 1 |

**Measurement Results:**

FCC part 15.247 (b) (3): Output Power

| Frequency | Output Power | | Antenna Gain | EIRP | | EIRP Limit | Verdict |
|---|---|---|---|---|---|---|---|
| MHz | dBm | mW | dBi | dBm | mW | W | |
| 2405 | 14.58 | 28.71 | 0 | 14.58 | 28.71 | 4 | Pass |
| 2441 | 14.42 | 27.67 | 0 | 14.42 | 27.67 | 4 | Pass |
| 2479 | 10.73 | 11.83 | 0 | 10.73 | 11.83 | 4 | Pass |

**All results were measured with peak power meter.**

## 3.3. Power Spectral Density

Test requirement: FCC Rules 47 CFR Part 15 Subpart C
Test method: 15.247 clause (e)
Tested by: Mr. Karl Lau
Operating Environment: 25 °C, 50 %, 990 hPa
EUT operation: Transmitting in selected channel (worst case)
Tested model: TALI-H500

**Measurement Equipment Used:**

| ID No. | Test equipment | Type | Manufacturer | Cal Date | Cal Due Date | Cal Interval (year) |
|---|---|---|---|---|---|---|
| E113 | Spectrum Analyzer | FSL6 | Rohde & Schwarz | 26 Aug 2014 | 26 Aug 2015 | 1 |

**Measurement Results:**

FCC part 15.247 (e): Power spectral Density

| Frequency | PSD | Limit | Verdict |
|---|---|---|---|
| MHz | dBm/3kHz | dBm/3kHz | |
| 2405 | -1.75 | 8 | Pass |
| 2441 | -1.89 | 8 | Pass |
| 2479 | -4.41 | 8 | Pass |
| | | | |
| Note 1: Power spectral density measured using RBW=3kHz, VBW=10kHz, analyzer with peak detector and with a sweep time set to ensure a dwell time of at least 1 second per 3kHz. The measurement is made at the frequency of PSD determined from preliminary scans using | | | |

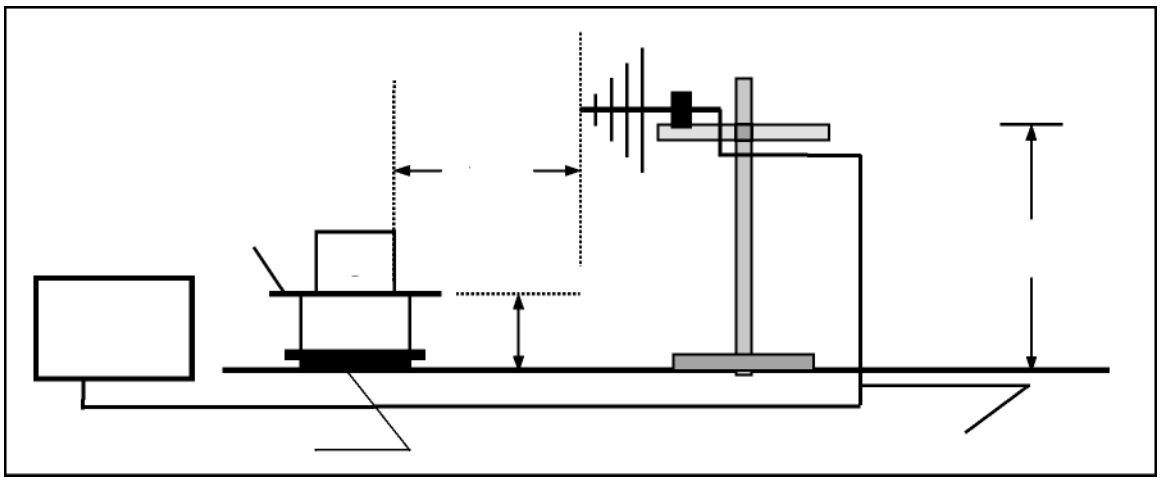
## 3.4. Out-of-band Emission

Test requirement: FCC Rules 47 CFR Part 15 Subpart C
Test method: 15.247 clause (d)
Tested by: Mr. Karl Lau
Operating Environment: 25 °C, 50 %, 990 hPa
EUT operation: Transmitting in selected channel (worst case)
Tested model: TALI-H500

**Measurement Equipment Used:**

| No. | Test equipment | Type | Manufacturer | Cal Date | Cal Due Date | Cal Interval (year) |
|---|---|---|---|---|---|---|
| EMC209 | 10m Semi-anechoic Chamber | Nil | Frankonia | 12 Apr 14 | 12 Apr 15 | 1 |
| EMC567 | Test Reciever | ESU 26 | Rohde & Schwarz | 5 Jan 14 | 5 Jan 15 | 1 |
| EMC577 | Bi-conical Antenna | HK116 | Rohde & Schwarz | 5 May 14 | 5 May 15 | 1 |
| EMC045 | Log.-Periodic Antenna | HL223 | Rohde & Schwarz | 6 May 14 | 6 May 15 | 1 |

**Measurement Procedure**



The equipment under test is placed on a non metallic table with 0.8 m height.
The power supply and the RF connection points are close to the equipment under test at the floor inside a connection box. The cables to this connection box are shielded and below the double floor. The receiving antenna is placed in a height at 1.0 m to 4.0 m and in a distance of 3 m.

**Measurement Results:**

**Low Frequency @ 2405 MHz**

| Fundamental emission level @3m in 100khz RBV | | | | 109.81 | | dBμV/m |
|---|---|---|---|---|---|---|
| Limit for emission outside of restricted bands: | | | | 89.81 | | dBμV/m |
| **Frequency** | **Level** | **Pol** | **15.209/15.247** | | **Detector** | **Comments** |
| **MHz** | **dBμV/m** | **V/H** | **Limit** | **Margin** | **Pk/QP/Avg** | |
| 143.788 | 36.76 | V | 89.81 | 53.05 | Pk | RB/VB 100kHz |
| 160.140 | 38.89 | H | 89.81 | 50.92 | Pk | RB/VB 100kHz |
| 400.401 | 35.04 | V | 46 | 10.96 | Pk | RB/VB 100kHz |
| 240.080 | 36.76 | H | 46 | 9.24 | Pk | RB/VB 100kHz |
| 4810 | 37.25 | V | 54 | 16.75 | Avg | RB/VB 1MHz |
| 4810 | 37.37 | H | 54 | 16.63 | Avg | RB/VB 1MHz |
| 7215 | 41.97 | V | 54 | 12.03 | Pk | RB/VB 1MHz |
| 7215 | 50.98 | H | 54 | 3.02 | Pk | RB/VB 1MHz |
| 9620 | 44.45 | V | 89.81 | 45.36 | Pk | RB/VB 1MHz |
| 9620 | 41.71 | H | 89.81 | 48.10 | Pk | RB/VB 1MHz |
| For emission in restricted band, the limit of 15,209 was used. For all other emission, the limit was set 20dB below the level of fundamental and measured in 100kHz | | | | | | |

**Middle Frequency @ 2441 MHz**

| Fundamental emission level @3m in 100khz RBV | | | | 109.65 | | dBμV/m |
|---|---|---|---|---|---|---|
| Limit for emission outside of restricted bands: | | | | 89.65 | | dBμV/m |
| **Frequency** | **Level** | **Pol** | **15.209/15.247** | | **Detector** | **Comments** |
| **MHz** | **dBmV/m** | **V/H** | **Limit** | **Margin** | **Pk/QP/Avg** | |
| 143.788 | 36.96 | V | 89.65 | 52.69 | Pk | RB/VB 100kHz |
| 160.140 | 38.96 | H | 89.65 | 50.69 | Pk | RB/VB 100kHz |
| 400.401 | 36.01 | V | 46.00 | 9.99 | Pk | RB/VB 100kHz |
| 240.080 | 36.33 | H | 46.00 | 9.67 | Pk | RB/VB 100kHz |
| 4882 | 36.48 | V | 54 | 17.52 | Avg | RB/VB 1MHz |
| 4882 | 36.03 | H | 54 | 17.97 | Avg | RB/VB 1MHz |
| 7323 | 46.35 | V | 54 | 7.65 | Pk | RB/VB 1MHz |
| 7323 | 45.91 | H | 54 | 8.09 | Pk | RB/VB 1MHz |
| 9764 | 40.17 | V | 89.65 | 49.48 | Pk | RB/VB 1MHz |
| 9764 | 44.75 | H | 89.65 | 44.90 | Pk | RB/VB 1MHz |
| For emission in restricted band. the limit of 15.209 was used. For all other emission. the limit was set 20dB below the level of fundamental and measured in 100kHz | | | | | | |

**High Frequency @ 2479 MHz**

| | | |
|---|---|---|
| **Fundamental emission level @3m in 100khz RBV** | 105.96 | dBμV/m |
| **Limit for emission outside of restricted bands:** | 85.96 | dBμV/m |

| Frequency | Level | Pol | 15.209/15.247 | | Detector | Comments |
|---|---|---|---|---|---|---|
| MHz | dBmV/m | V/H | Limit | Margin | Pk/QP/Avg | |
| 163.206 | 37.76 | V | 43.5 | 5.74 | Pk | RB/VB 100kHz |
| 160.140 | 38.46 | H | 85.96 | 47.50 | Pk | RB/VB 100kHz |
| 400.401 | 35.34 | V | 46 | 10.66 | Pk | RB/VB 100kHz |
| 240.080 | 36.92 | H | 46 | 9.08 | Pk | RB/VB 100kHz |
| 4958 | 34.47 | V | 54 | 19.53 | Avg | RB/VB 1MHz |
| 4958 | 36.06 | H | 54 | 17.94 | Avg | RB/VB 1MHz |
| 7437 | 45.86 | V | 54 | 8.14 | Pk | RB/VB 1MHz |
| 7437 | 45.81 | H | 54 | 8.19 | Pk | RB/VB 1MHz |
| 9916 | 37.20 | V | 85.96 | 48.76 | Pk | RB/VB 1MHz |
| 9916 | 38.54 | H | 85.96 | 47.42 | Pk | RB/VB 1MHz |
| | | | | | | |

For emission in restricted band the limit of 15.209 was used. For all other emission. the limit was set 20dB below the level of fundamental and measured in 100kHz

**Note: Testing is carried out with frequency rang 30MHz to the tenth harmonics which above 5th Harmonics is close to the noise base even antenna close up to 1meter distance according the measurement of ANSI C63.4. Emissions 20dB lower than the limit are not reported.**

FCC Part 15. Subpart C. §15.209. Radiated Emission Limits

| Frequency of Emission [MHz] | Field strength [μV/m] | Field Strength [dBμV/m] |
|---|---|---|
| 30 – 88 | 100 | 40.0 |
| 88 – 216 | 150 | 43.5 |
| 216 – 960 | 200 | 46.0 |
| Above 960 | 500 | 54.0 |

FCC Part 15. Subpart C. §15.205. Restricted bands of operation

| MHz | MHz | MHz | GHz |
|---|---|---|---|
| 0.090 - 0.110 | 16.42 - 16.423 | 399.9 - 410 | 4.5 - 5.15 |
| 10.495 - 0.505 | 16.69475 - 16.69525 | 608 - 614 | 5.35 - 5.46 |
| 2.1735 - 2.1905 | 16.80425 - 16.80475 | 960 - 1240 | 7.25 - 7.75 |
| 4.125 - 4.128 | 25.5 - 25.67 | 1300 - 1427 | 8.025 - 8.5 |
| 4.17725 - 4.17775 | 37.5 - 38.25 | 1435 - 1626.5 | 9.0 - 9.2 |
| 4.20725 - 4.20775 | 73 - 74.6 | 1645.5 - 1646.5 | 9.3 - 9.5 |
| 6.215 - 6.218 | 74.8 - 75.2 | 1660 - 1710 | 10.6 - 12.7 |
| 6.26775 - 6.26825 | 108 - 121.94 | 1718.8 - 1722.2 | 13.25 - 13.4 |
| 6.31175 - 6.31225 | 123 - 138 | 2200 - 2300 | 14.47 - 14.5 |
| 8.291 - 8.294 | 149.9 - 150.05 | 2310 - 2390 | 15.35 - 16.2 |
| 8.362 - 8.366 | 156.52475 - 156.52525 | 2483.5 - 2500 | 17.7 - 21.4 |
| 8.37625 - 8.38675 | 156.7 - 156.9 | 2690 - 2900 | 22.01 - 23.12 |
| 8.41425 - 8.41475 | 162.0125 - 167.17 | 3260 - 3267 | 23.6 - 24.0 |
| 12.29 - 12.293 | 167.72 - 173.2 | 3332 - 3339 | 31.2 - 31.8 |
| 12.51975 - 12.52025 | 240 - 285 | 3345.8 - 3358 | 36.43 - 36.5 |
| 12.57675 - 12.57725 | 322 - 335.4 | 3600 - 4400 | |
| 13.36-13.41 | | | |

## 3.5. Band edge requirement

Test requirement: FCC Rules 47 CFR Part 15 Subpart C
Test method: 15.247 clause (d)
Tested by: Mr. Karl Lau
Operating Environment: 25 °C, 50 %, 990 hPa
EUT operation: Transmitting in selected channel (worst case)
Tested model: TALI-H500

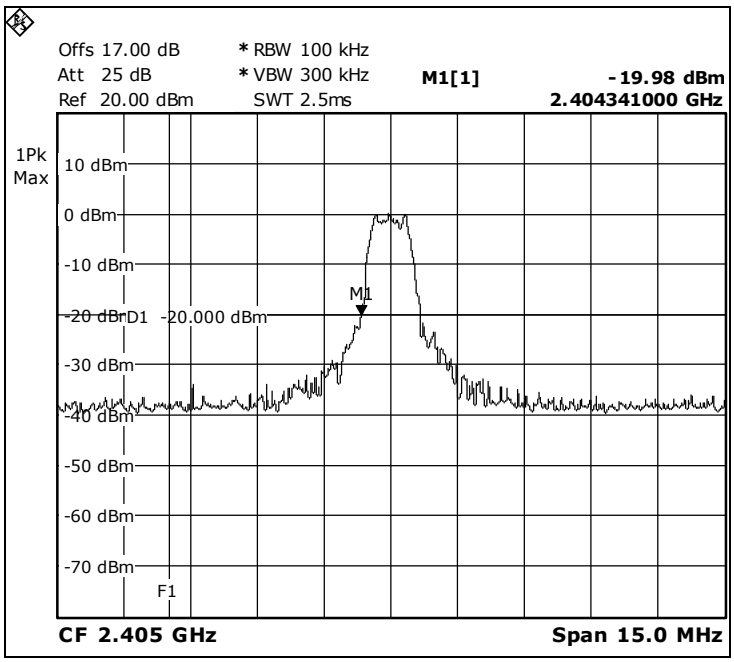
**Measurement Equipment Used:**

| ID No. | Test equipment | Type | Manufacturer | Cal Date | Cal Due Date | Cal Interval (year) |
|---|---|---|---|---|---|---|
| E113 | Spectrum Analyzer | FSL6 | Rohde & Schwarz | 26 Aug 2014 | 26 Aug 2015 | 1 |

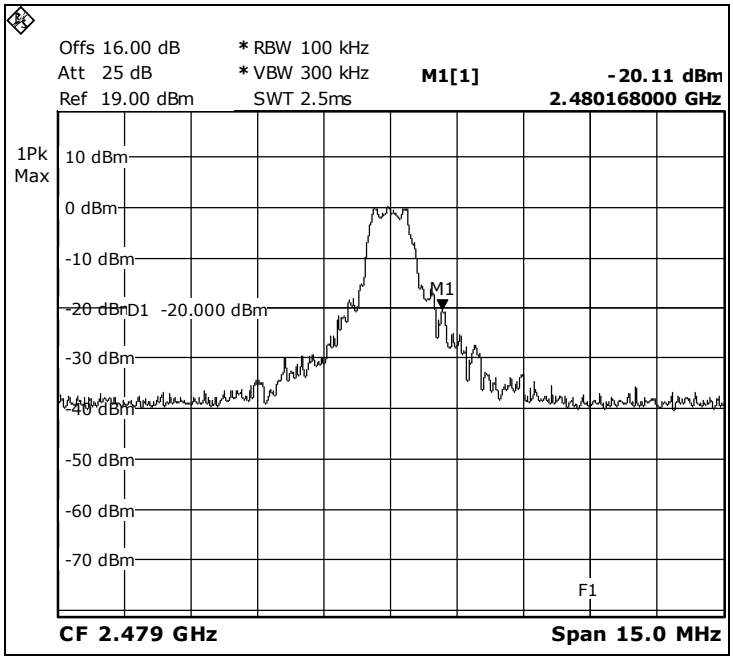
**Measurement Results:**

| Frequency | Resolution bandwidth | 20 dB band edge | Limit | Verdict |
|---|---|---|---|---|
| MHz | kHz | kHz | MHz | |
| 2405 | 100 | 2404.341 | > 2400.0 | Pass |
| 2479 | 100 | 2480.158 | < 2483.5 | Pass |

Lowest Operation frequency: 2405 MHz



Highest Operation frequency: 2479 MHz



## 3.6. Receiver radiated emission

Test requirement: Section 15.109
Test method: ANSI C63.4 /2/
Test date: 27.08.2014
Tested by: Mr. Karl Lau
Class: B
EUT operation Receiver Test in on mode, according user manual

**Measurement Equipment Used:**

| No. | Test equipment | Type | Manufacturer | Cal Date | Cal Due Date | Cal Interval (year) |
|---|---|---|---|---|---|---|
| EMC209 | 10m Semi-anechoic Chamber | Nil | Frankonia | 12 Apr 14 | 12 Apr 15 | 1 |
| EMC567 | Test Reciever | ESU 26 | Rohde & Schwarz | 5 Jan 14 | 5 Jan 15 | 1 |
| EMC577 | Bi-conical Antenna | HK116 | Rohde & Schwarz | 5 May 14 | 5 May 15 | 1 |
| EMC045 | Log.-Periodic Antenna | HL223 | Rohde & Schwarz | 6 May 14 | 6 May 15 | 1 |

**Measurement results**

Calculation of test results:
Such factors like antenna factor and cable loss are already included in the provided measurement results.

| Frequency range | Antenna direction | Frequency in MHz | Worst case Result in dBuV/m | Limit in dBuV/m | Detector PK/QP | Margin to Limit in dB | Verdict |
|---|---|---|---|---|---|---|---|
| 30MHz-200MHz | V | 143.788 | 37.05 | 43.5 | Pk | 6.45 | Pass |
| 30MHz-200MHz | H | 160.140 | 38.91 | 43.5 | Pk | 4.59 | Pass |
| 200MHz-1GHz | V | 400.401 | 35.76 | 46 | Pk | 10.24 | Pass |
| 200MHz-1GHz | H | 240.080 | 36.25 | 46 | Pk | 9.75 | Pass |
| 1GHz-4GHz | V | 3970 | 36.24 | 54 | Pk | 17.76 | Pass |
| 1GHz-4GHz | H | 3994 | 36.92 | 54 | Pk | 17.08 | Pass |
| 4GHz-8GHz | V | 6982 | 41.24 | 54 | Pk | 12.76 | Pass |
| 4GHz-8GHz | H | 6974 | 41.23 | 54 | Pk | 12.77 | Pass |
| 8GHz-12.75GHz | V | 11988 | 48.33 | 54 | Pk | 5.67 | Pass |
| 8GHz-12.75GHz | H | 11579 | 47.86 | 54 | Pk | 6.14 | Pass |

Note: No (further) spurious emissions in the range 20 dB below the limit found.

**Limits (Section 15.109)**

| Frequency range | Limit |
|---|---|
| 30MHz - 88MHz | 100uV/m (40dBuV/m) |
| 88MHz - 216MHz | 150uV/m (43.5dBuV/m) |
| 216MHz - 960MHz | 200uV/m (46dBuV/m) |
| Above 960MHz | 500uV/m (54dBuV/m) |

# 4 Normative references

/1/ FCC Rules 47 CFR PART 15 Subpart: 2013
Radio Frequency Devises

/2/ ANSI C63.4-2009
Methods of Measurement of Radio-Noise Emission from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

# 5 Disclaimer

This document based on General Terms and Conditions of SLG Asia Test Labs & Service (HK) Limited which the applicant accepted with order confirmation.

Emphasized conditions or project related conditions:

Released Test Reports apply only to the specific samples tested under stated test conditions. It is the applicant's responsibility to assure that additional production units of the tested model(s) are manufactured in same construction and with identical electrical and mechanical components to meet the same quality as tested model(s). The applicant/manufacturer/importer is responsible for any modifications made to the production units which result in non-compliance to the applied and/or relevant regulations.

SLG Asia Test Labs & Service (HK) Limited shall have no liability for any deductions inferences or generalizations drawn by the client or others from any kind of issued reports. Reports are confidential property of the client as a mutual protection to the applicant the clients. The public and ourselves extracts from the test report shall not be reproduced except in full without our written approval.

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications as appropriate. The complexity of the technical specifications means that full and thorough testing is impractical for both technical and economic reasons. Furthermore there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification. Neither is there any guarantee that such a test sample will interact with other genuinely open systems. The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in clause 1.6 of this report. The test report may only be reproduced or published in full.

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## 5.1 Revision Notes

This revised Report replaces the all former Test Reports based on number H1M21407-2065-P-15. These former Test Reports are not longer valid. Every Revision of the original report is recorded below and identified by the ‖ symbol beside the text.

| Revision No. | Revision |
|---|---|
| H1M21407-2065-P-15 | Original Test Report |
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