FCC PART 15 SUBPART C TEST REPORT

for

Remote Controller

Model No.: Cougar P3

FCC ID: VEJTT-FHM2P4G-A15

of

Applicant: THUNDER TIGER CORP.

Address: NO.7, 6TH ROAD INDUSTRY PARK TAICHUNG.

TAIWAN R.O.C. 407

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: 930600

Industry Canada filed test laboratory Reg. No. IC 5679A-1

A2LA Accredited No.: 2732.01





Report No.: W6M21106-11601-C-1

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C. TEL: 886-2-66068877 FAX: 886-2-66068879 E-mail: wts@wts-lab.com



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

TABLE OF CONTENTS

| 1 | Ge | neral Information2 | | |
|---|------|--|----------|--|
| | 1.1 | Notes | 2 | |
| | 1.2 | Testing laboratory | | |
| | 1.2. | | | |
| | 1.2. | | | |
| | 1.3 | Details of approval holder | | |
| | 1.4 | Application details | | |
| | 1.5 | General information of Test item | | |
| | 1.6 | Test standards | | |
| _ | | | | |
| 2 | Tec | chnical test | | |
| | 2.1 | Summary of test results | <i>.</i> | |
| | 2.2 | Test environment | | |
| | 2.3 | Test Equipment List | | |
| | 2.4 | General Test Procedure | 11 | |
| 3 | Tes | st results (enclosure) | 13 | |
| | 3.1 | Peak Output Power (transmitter) | 14 | |
| | 3.2 | RF Exposure Compliance Requirements | 17 | |
| | 3.3 | Out of Band Radiated Emissions | 17 | |
| | 3.4 | Transmitter Radiated Emissions in restricted Bands | 18 | |
| | 3.5 | Spurious emissions (tx) | 19 | |
| | 3.6 | Carrier Frequency Separation | 22 | |
| | 3.7 | Number of Hopping Frequencies | 25 | |
| | 3.7. | .1 Pseudorandom Frequency Hopping Sequence | 26 | |
| | 3.7. | .2 Coordination of hopping sequences to other transmitters | 27 | |
| | 3.7. | .3 System Receiver Hopping Capability | 27 | |
| | 3.8 | Time of Occupancy (Dwell Time) | 28 | |
| | 3.9 | 20dB Bandwidth | 32 | |
| | 3.9. | .1 System Receiver Input Bandwidth | 34 | |
| | 3.10 | Band-edge Compliance of RF Emissions | | |
| | 3.11 | Radiated Emissions from Digital Part | | |
| | 3.12 | Power Line Conducted Emission | 39 | |

Appendix

FCC ID: VEJTT-FHM2P4G-A15 **General Information**

1.1 **Notes**

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, however, 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 interwork 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 is 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 1.5.

The test report may only be reproduced or published in full.

Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.

Tester:

Danky Sung July 12, 2011 Danny Sung

WTS-Lab. Signature Date Name

Technical responsibility for area of testing:

July 12, 2011 Chang Tse-Ming

Chang Tre-Ming Date WTS Name



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15 1.2 **Testing laboratory**

1.2.1 Location

OATS

No.5-1, Lishui, Shuang Sing Village, Wanli Dist., New Taipei City 207,

Taiwan (R.O.C.)

Company

Worldwide Testing Services(Taiwan) Co., Ltd. 6F, NO. 58, LANE 188, RUEY-KUANG RD. NEIHU, TAIPEI 114, TAIWAN R.O.C.

886-2-66068877 Tel Fax 886-2-66068879

Details of accreditation status 1.2.2

Accredited testing laboratory

A2LA accredited number: 2732.01

FCC filed test laboratory Reg. No. 930600

Industry Canada filed test laboratory Reg. No. IC 5679A-1





Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd.:

| Name: | ./. |
|--------------------|-----|
| Accredited number: | ./. |
| Street: | ./. |
| Town: | ./, |
| Country: | ./. |
| Telephone: | ./. |
| Fax. | / |

1.3 **Details of approval holder**

Name: THUNDER TIGER CORP.

Street: NO.7, 6TH ROAD INDUSTRY PARK

Town: TAICHUNG.

TAIWAN R.O.C. 407 Country:

Telephone: 04-2359-1616 Fax: 04-2359-1902

FCC ID: VEJTT-FHM2P4G-A15 **1.4 Application details**

Date of receipt of test item: June 24, 2011

Date of test: from June 25, 2011 to July 12, 2011

1.5 General information of Test item

Type of test item: Remote Controller

Model Number: Cougar P3

Multi-listing model number: XP3-SS

Brand Name: ACE RC

Brand Name for multi-listing model no.: AE

Photos: see Annex

Technical data

Frequency band: 2402 - 2479 MHz

Frequency (ch A): 2.402 GHz Frequency (ch B): 2.441 GHz Frequency (ch C): 2.479 GHz

Transmitter Unom

Power (ch A or ch 1): Conducted: 11.65 dBm Power (ch B or ch 40): Conducted: 11.70 dBm Power (ch C or ch 78): Conducted: 11.21 dBm

Power supply: Battery $7.2 \sim 9.6 \text{ V}$

Adaptor (I/P: AC 120 V/ 60Hz O/P: 110 mA / TX: 9.6 V)

Operation modes: simplex

Modulation Type: GFSK

Antenna Type: 1/4λ Dipole Sleeve antenna

Antenna gain: 2 dBi

Host device: none

FCC ID: VEJTT-FHM2P4G-A15

Classification:

| Fixed Device | |
|--|--|
| Mobile Device (Human Body distance > 20cm) | |
| Portable Device (Human Body distance < 20cm) | |
| Modular Radio Device | |

Manufacturer: (if applicable)

Name: Thunder Tiger Corp. (Ningbo)

Street: 28 Jin-Feng Road, Liang Hui Industrial Park, Yuyao,

Town: Zhejiang 315400

Country: China

Additional information: ./.

1.6 Test standards

Technical standard: FCC RULES PART 15 SUBPART C § 15.247 (2010-10)

FCC ID: VEJTT-FHM2P4G-A15

2 Technical test

2.1 Summary of test results

| No deviations from the technical specification(s) were ascertained in the course of the tests performed. | | | |
|--|--|--|--|
| or | | | |
| The deviations as specified in 3 were ascertained in the course of the tests performed. | | | |

2.2 Test environment

Temperature: 23 °C

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Details of power supply Battery $7.2 \sim 9.6 \text{ V}$

Adaptor (I/P: AC 120 V/60Hz O/P: 110 mA / TX: 9.6 V)

Extreme conditions parameters: test voltage : -- extreme

min : -- V max : -- V



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15 **2.3** Test Equipment List

| No. | Test equipment | Туре | Serial No. | Manufacturer | Cal. Date | Next Cal. Date |
|--------------|---|---------------------|--------------------|--------------|------------|-------------------|
| ETSTW-CE 001 | EMI TEST RECEIVER | ESHS10 | 842121/013 | R&S | 2010/9/2 | 2011/9/1 |
| ETSTW-CE 003 | AC POWER SOURCE | APS-9102 | D161137 | GW | Function | on Test |
| ETSTW-CE 004 | ZWEILEITER-V- NETZNACHBILDUNG TWO-LINE V-NETWORK | ESH3-Z5 | 840731/011 | R&S | 2011/3/10 | 2012/3/9 |
| ETSTW-CE 005 | Line-Impedance Stabilisation Network | NNBM 8126D | 137 | Schwarzbeck | 2010/9/8 | 2011/9/7 |
| ETSTW-CE 006 | IMPULSBEGRENZER PULSE LIMITER | ESH3-Z2 | 100226 | R&S | 2011/3/8 | 2012/3/7 |
| ETSTW-CE 007 | SPECTRUM ANALYZER 5GHz | FSB | 849670/001 | R&S | Pre-test I | Jse NCR |
| ETSTW-CE 008 | HF-EICHLEITUNG RF STEP ATTENUATOR 139dB DPSP | 334.6010.02 | 844581/024 | R&S | Function | on Test |
| ETSTW-CE 009 | TEMP.&HUMIDITY CHAMBER | GTH-225-40-1P-U | MAA0305-009 | GIANT FORCE | 2011/7/4 | 2012/7/3 |
| ETSTW-CE 013 | STABILIZATION NETWORK | FCC-TLISN-T4-02 | 20242 | FCC | 2010/10/21 | 2011/10/20 |
| ETSTW-CE 015 | CISPR 22 TWO BALANCED TELECOM PAIRS IMPEDANCE STABILIZATION NETWORK | FCC-TLISN-T8-02 | 20307 | FCC | 2010/9/6 | 2011/9/5 |
| ETSTW-CE 016 | TWO-LINE V-NETWORK | ENV216 | 100050 | R&S | 2011/2/21 | 2012/2/20 |
| ETSTW-CS 004 | COUPLING AND DECOUPLING NETWORK | CDN M016 | 20053 | SCHAFFNER | 2010/8/20 | 2011/8/19 |
| ETSTW-CS 005 | RF Power Amplifier | 100A250A | 306547 | AR | Function | on Test |
| ETSTW-CS 009 | 6 dB Attenuator | 75-A-FFN-06 | 70998 | BIRD | 2011/5/20 | 2012/5/19 |
| ETSTW-RE 003 | EMI TEST RECEIVER | ESI 26 | 831438/001 | R&S | 2010/8/10 | 2011/8/9 |
| ETSTW-RE 004 | EMI TEST RECEIVER | ESI 40 | 832427/004 | R&S | 2010/9/14 | 2011/9/13 |
| ETSTW-RE 005 | EMI TEST RECEIVER | ESVS10 | 843207/020 | R&S | 2010/9/2 | 2011/9/1 |
| ETSTW-RE 010 | ABSORBING CLAMP | MDS 21 | 3469 | Schwarzbeck | 2010/9/6 | 2011/9/5 |
| ETSTW-RE 012 | TUNABLE BANDREJECT FILTER | D.C 0309 | 146 | K&L | Function | on Test |
| ETSTW-RE 013 | TUNABLE BANDREJECT FILTER | D.C 0336 | 397 | K&L | Function | on Test |
| ETSTW-RE 019 | MICROWAVE HORN ANTENNA | 22240-25 | 121074 | FM | 2011/4/25 | 2012/4/24 |
| ETSTW-RE 020 | MICROWAVE HORN ANTENNA | AT4002A | 306915 | AR | Function | on Test |
| ETSTW-RE 021 | SWEEP GENERATOR | SWM05 | 835130/010 | R&S | 2010/8/20 | 2011/8/19 |
| ETSTW-RE 027 | Passive Loop Antenna | 6512 | 00034563 | EMCO | 2011/7/4 | 2012/7/3 |
| ETSTW-RE 030 | Double-Ridged Guide Horn Antenna | 3117 | 00035224 | EMCO | 2011/2/25 | 2012/2/24 |
| ETSTW-RE 032 | Millivoltmeter | URV 55 | 849086/013 | R&S | 2010/10/4 | 2011/10/3 |
| ETSTW-RE 033 | WaveRunner 6000A Serise Oscilloscope | WAVERUNNER 6100A | LCRY0604P1450 8 | LeCroy | Function | on Test |
| ETSTW-RE 034 | Power Sensor | URV5-Z4 | 839313/006 | R&S | 2010/10/4 | 2011/10/3 |
| ETSTW-RE 042 | Biconical Antenna | HK116 | 100172 | R&S | 2011/1/14 | 2012/1/13 |
| ETSTW-RE 043 | Log-Periodic Dipole Antenna | HL223 | 100166 | R&S | 2011/4/26 | 2012/4/25 |
| ETSTW-RE 044 | Log-Periodic Antenna | HL050 | 100094 | R&S | 2011/4/25 | 2012/4/24 |
| ETSTW-RE 045 | ESA-E SERIES SPECTRUM ANALYZER | E4404B | MY45111242 | Agilent | Pre-test I | Jse NCR |



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

| | TT-FHM2P4G-A15 | | | | | |
|---------------|--|----------------------------|----------------|-----------------------------|------------|------------|
| ETSTW-RE 048 | Triple Loop Antenna | HXYZ 9170 | HXYZ 9170-134 | Schwarzbeck | 2010/8/30 | 2011/8/29 |
| ETSTW-RE 049 | TRILOG Super Broadband test Antenna | VULB 9160 | 9160-3185 | Schwarzbeck | 2011/4/8 | 2012/4/7 |
| ETSTW-RE 050 | Attenuator 10dB | 50HF-010-1 | None | JFW | 2011/3/4 | 2012/3/3 |
| ETSTW-RE 051 | Attenuator 6dB | 50HF-006-1 | None | JFW | 2011/3/4 | 2012/3/3 |
| ETSTW-RE 053 | Attenuator 3dB | 50HF-003-1 | None | JFW | 2011/3/4 | 2012/3/3 |
| ETSTW-RE 055 | SPECTRUM ANALYZER | FSU 26 | 200074 | R&S | 2011/5/30 | 2012/5/29 |
| ETSTW-RE 060 | Attenuator 30dB | 5015-30 | F651012z-01 | ATM | 2011/3/4 | 2012/3/3 |
| ETSTW-RE 061 | Amplifier Module | CHC 1 | None | ETS | 2011/5/18 | 2012/5/17 |
| ETSTW-RE 062 | Amplifier Module | CHC 2 | None | KMIC | 2010/11/30 | 2011/11/29 |
| ETSTW-RE 064 | Bluetooth Test Set | MT8852B-042 | 6K00005709 | Anritsu | Function | on Test |
| ETSTW-RE 065 | Amplifier | AMF-6F- 18002650-25-10P | 941608 | MITEQ | 2011/4/8 | 2012/4/7 |
| ETSTW-RE 066 | Highpass Filter | H1G013G1 | 206015 | MICROWAVE CIRCUITS, INC. | 2011/3/4 | 2012/3/3 |
| ETSTW-RE 072 | CELL SITE TEST SET | 8921A | 3339A00375 | НР | 2010/10/7 | 2011/10/6 |
| ETSTW-RE 073 | Power Meter | N1911A | MY45100769 | Agilent | 2011/1/10 | 2012/1/9 |
| ETSTW-RE 074 | Power Sensor | N1921A | MY45241198 | Agilent | 2011/1/10 | 2012/1/9 |
| ETSTW-RE 081 | Highpass Filter | H03G13G1 | 4260-02 DC0428 | MICROWAVE CIRCUITS, INC. | 2011/3/4 | 2012/3/3 |
| ETSTW-RE 096 | SIGNAL GENERATOR | SMIQ 03B | 102274 | R&S | 2011/5/31 | 2012/5/30 |
| ETSTW-RE 099 | DC Block | 50DB-007-1 | None | JFW | 2011/3/10 | 2012/3/9 |
| ETSTW-RE 105 | 2.4GHz Notch Filter | NO124411 | 39555 | MICROWAVE CIRCUITS, INC. | 2011/3/11 | 2012/3/10 |
| ETSTW-RE 106 | Humidity Temperature Meter | TES-1366 | 091011113 | TES | 2011/3/24 | 2012/3/23 |
| ETSTW-RE 111 | Log-Periodic Dipole Array Antenna | VULB 9160 | 9160-3309 | Schwarz beck | 2010/12/17 | 2011/12/16 |
| ETSTW-RE 112 | AC POWER SOURCE | TFC-1005 | None | T-Power | Functi | on test |
| ETSTW-RE 114 | 2.4GHz Notch Filter | N0124411 | 473873 | MICROWAVE CIRCUITS | 2011/1/13 | 2012/1/12 |
| ETSTW-RE 121 | SPECTRUM ANALYZER | FSU43 | 100013 | R&S | 2011/6/23 | 2012/6/22 |
| ETSTW-EMI 001 | HARMONICS 1000 | HAR1000-1P | 093 | EMC-PARTNER | 2010/8/27 | 2011/8/26 |
| ETSTW-EMS 001 | BASELSTRASSE 160 CH- 4242 LAUFEN | CN-EFT1000 | 354 | EMC-PARTNER | Function | on Test |
| ETSTW-EMS 002 | Frequency Converter | YF-6020 | 0308014 | None | Function | on Test |
| ETSTW-EMS 003 | EMC Immunity Test System | TRA2000IN6 | 579 | EMC-PARTNER | 2010/11/3 | 2011/11/2 |
| ETSTW-EMS 009 | Magnetic Field Antenna | MF1000-1 | 104 | EMC-PARTNER | Function | on Test |
| ETSTW-EMS 012 | EM Injection Clamp | F-203I-23MM | 476 | FCC | 2011/6/1 | 2012/5/31 |
| ETSTW-EMS 015 | HVAC Trms Power Clamp Meter | 3079K | 070800649 | TES | 2010/10/5 | 2011/10/4 |
| ETSTW-EMS 016 | EMF Tester | 1390 | 071208732 | TES | 2010/10/5 | 2011/10/4 |
| ETSTW-EMS 017 | Multimeter | DM-1220 | 518614 | HOLA | 2010/8/18 | 2011/8/17 |
| ETSTW-EMS 019 | Electrostatic Discharge Simulator | ESS-2002 | ESS06Y6300 | NoiseKen | 2010/11/25 | 2011/11/24 |
| ETSTW-EMS 020 | Humidity Temperature Meter | TES-1366 | 091011116 | TES | 2011/3/24 | 2012/3/23 |
| ETSTW-RS 003 | RF Power Amplifier | 30S1G3 | 306933 | AR | Function | on Test |



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

| ETSTW-RS 004 | RF Power Amplifier | 150W1000 | 307009 | AR | Function | on Test |
|-----------------|---|--|------------|------------------|------------|------------|
| ETSTW-RS 006 | SIGNAL GENERATOR | SML03 | 101551 | R&S | 2011/3/7 | 2012/3/6 |
| ETSTW-RS 007 | 14" COLOR VIDEO MONITOR | HS-CM145A | 0512011548 | None | Function | on Test |
| ETSTW-RS 009 | SIGNAL GENERATOR | 8648C | 3642U01656 | НР | 2011/2/23 | 2012/2/22 |
| ETSTW-RS 010 | Broadband Field Meter | NBM-520 | C-0195 | Narda | 2010/10/12 | 2011/10/11 |
| ETSTW-GSM 002 | Universal Radio Communication Tester | CMU 200 | 109439 | R&S | 2010/10/7 | 2011/10/6 |
| ETSTW-GSM 019 | Band Reject Filter | WRCTF824/849- 822/851-40 /12+9SS | 3 | WI | 2011/1/14 | 2012/1/13 |
| ETSTW-GSM 020 | Band Reject Filter | WRCD1747/1748- 1743/1752-32/5SS | 1 | WI | 2011/1/14 | 2012/1/13 |
| ETSTW-GSM 021 | Band Reject Filter | WRCD1879.5/1880 .5-1875.5/1884.5- 32/5SS | 3 | WI | 2011/1/14 | 2012/1/13 |
| ETSTW-GSM 022 | Band Reject Filter | WRCT901.9/903.1- 904.25-50/8SS | 1 | WI | 2011/1/14 | 2012/1/13 |
| ETSTW-GSM 023 | Power Divider | 4901.19.A | None | SUHNER | 2010/9/20 | 2011/9/19 |
| ETSTW-Cable 002 | Microwave Cable | SUCOFLEX 104 (S Cable 7) | 238093 | HUBER+SUHNER | 2011/5/18 | 2012/5/17 |
| ETSTW-Cable 003 | Microwave Cable | SUCOFLEX 104 (S_Cable 11) | 209953 | HUBER+SUHNER | 2011/5/18 | 2012/5/17 |
| ETSTW-Cable 010 | BNC Cable | 5 M BNC Cable | None | JYE BAO CO.,LTD. | 2011/3/8 | 2012/3/7 |
| ETSTW-Cable 011 | BNC Cable | BNC Cable 1 | None | JYE BAO CO.,LTD. | Pre-test U | Jse NCR |
| ETSTW-Cable 012 | BNC Cable | BNC Cable 2 | None | JYE BAO CO.,LTD. | 2011/3/8 | 2012/3/7 |
| ETSTW-Cable 013 | Microwave Cable | SUCOFLEX 104 (S_Cable 5) | 232345 | HUBER+SUHNER | Function | on Test |
| ETSTW-Cable 016 | BNC Cable | Switch Box | B Cable 1 | Schwarz beck | 2011/3/4 | 2012/3/3 |
| ETSTW-Cable 017 | BNC Cable | X Cable | B Cable 2 | Schwarz beck | 2011/3/4 | 2012/3/3 |
| ETSTW-Cable 018 | BNC Cable | Y Cable | B Cable 3 | Schwarz beck | 2011/3/4 | 2012/3/3 |
| ETSTW-Cable 019 | BNC Cable | Z Cable | B Cable 4 | Schwarz beck | 2011/3/4 | 2012/3/3 |
| ETSTW-Cable 022 | N TYPE Cable | OATS Cable 3 | 0002 | JYE BAO CO.,LTD. | 2011/3/4 | 2012/3/3 |
| ETSTW-Cable 026 | Microwave Cable | SUCOFLEX 104 | 279075 | HUBER+SUHNER | 2011/3/10 | 2012/3/9 |
| ETSTW-Cable 027 | Microwave Cable | SUCOFLEX 104 | 279083 | HUBER+SUHNER | 2011/3/10 | 2012/3/9 |
| ETSTW-Cable 028 | Microwave Cable | FA147A0015M2020 | 30064-2 | UTIFLEX | 2011/4/26 | 2012/4/25 |
| ETSTW-Cable 029 | Microwave Cable | FA147A0015M2020 | 30064-3 | UTIFLEX | 2011/4/26 | 2012/4/25 |
| ETSTW-Cable 030 | Microwave Cable | SUCOFLEX 104 (S Cable 9) | 279067 | SPECTRUM | 2011/3/10 | 2012/3/9 |
| ETSTW-Cable 031 | Microwave Cable | SUCOFLEX 104 (S Cable 10) | 238092 | HUBER+SUHNER | 2010/11/30 | 2011/11/29 |
| ETSTW-Cable 039 | Microwave Cable | SUCOFLEX 104 (S_Cable 19) | 316739 | HUBER+SUHNER | 2011/5/18 | 2012/5/17 |
| ETSTW-Cable 040 | Microwave Cable | SUCOFLEX 104 (S_Cable 20) | 316738 | HUBER+SUHNER | Function | on Test |
| ETSTW-Cable 043 | Microwave Cable | SUCOFLEX 104 | 317576 | HUBER+SUHNER | 2010/11/30 | 2011/11/29 |
| ETSTW-Cable 047 | Microwave Cable | SUCOFLEX 104 | 325518 | HUBER+SUHNER | 2010/11/30 | 2011/11/29 |
| ETSTW-Cable 051 | BNC Cable | BNC Cable 6 | None | JYE BAO CO.,LTD. | 2011/3/31 | 2012/3/30 |
| ETSTW-Cable 052 | BNC Cable | Clamp Cable | None | Schwarz beck | 2011/3/31 | 2012/3/30 |
| ETSTW-Cable 053 | N TYPE To SMA Cable | OATS Cable 4 | None | JYE BAO CO.,LTD. | 2011/3/4 | 2012/3/3 |



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

| ETSTW-Cable 054 | BNC To SMA Cable | OATS Cable 5 | None | JYE BAO CO.,LTD. | 2011/3/4 | 2012/3/3 |
|-----------------|-----------------------------|------------------------|--------------|------------------|-----------------------|-----------------------------|
| ETSTW-Cable 055 | Microwave Cable | SUCOFLEX 104 | None | HUBER+SUHNER | Function | on Test |
| ETSTW-Cable 056 | N TYPE Cable | N30N30-JBY240- 80CM | 20110621-1.0 | JYE BAO CO.,LTD. | Function | on Test |
| ETSTW-Cable 057 | N TYPE Cable | N30N30-JBY240- 80CM | 20110621-1.1 | JYE BAO CO.,LTD. | Function | on Test |
| WTSTW-SW 001 | EMI TEST SOFTWARE | Harmonics-1000 | None | EMC PARTNER | HARCS V Firmware V | ersion 4.16 Version 2.18 |
| WTSTW-SW 002 | EMI TEST SOFTWARE | EZ_EMC | None | Farad | Version E | ETS-03A1 |
| WTSTW-SW 003 | EMS TEST SOFTWARE | i2 | None | AUDIX | Version 3.2 | 2007-8-17b |
| WTSTW-SW 005 | GSM Fading Level Correction | GSMFadLevCor | None | R&S | Versio | n 1.66 |

Worldwide Testing Services(Taiwan) Co., Ltd.

FCC ID: VEJTT-FHM2P4G-A15 **2.4 General Test Procedure**

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-2009 5.2 using a $50\mu H$ LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

RADIATION INTERFERENCE: The test procedure used was according to ANSI STANDARD C63.4-2009 6.4 employing a spectrum analyzer. For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100kHz respectively with an appropriate sweep speed. For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The ambient, temperature of the UUT was 23°C with a humidity of 40 %.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of $dB\mu V$) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB.

Example:

Freq (MHz) METER READING + ACF + CABLE LOSS (to the receiver) = FS

33 $20 \text{ dB}\mu\text{V} + 10.36 \text{ dB} + 6 \text{ dB} = 36.36 \text{ dB}\mu\text{V/m}$ @3m

The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table) and arranged according to ANSI C63.4-2009 6.3.1. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

- (1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- (2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
- (3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.
- (4) If the intentional radiator contains a digital device, regardless of whether this digital device controls the functions of the intentional radiator or the digital device is used for additional control or function purposes other than to enable the operation of the intentional radiator, the frequency range shall be investigated up to the range specified in paragraphs (a)(1)-(a)(3) of this section or the range applicable to the digital device, as shown in paragraph (b)(1) of this Section, whichever is the higher frequency range of investigation.

For hand-held devices, a exploratory test was performed with three (3) orthogonal planes to determine the highest emissions.

Measurements were made by Worldwide Testing Services(Taiwan) Co., Ltd. at the registered open field test site located No.5-1, Lishui, Shuang Sing Village, Wanli Dist., New Taipei City 207, Taiwan (R.O.C.). The Registration Number: **930600**.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.



FCC ID: VEJTT-FHM2P4G-A15

When the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.

The formula is as follows:

Average = Peak + Duty Factor

Duty Factor = 20 log (dwell time/T)

T = 100ms when the pulse train period is over 100 ms or the period of the pulse train.

Modified Limits for peak according to 15.35 (b) = Max Permitted average Limits + 20dB

ANSI STANDARD C63.4-2009 10.2.7: Any measurements that utilize special test software shall be indicated and referenced in the test report. During testing, test software 'EZ EMC' was used for setting up different operation modes.



FCC ID: VEJTT-FHM2P4G-A15

Test results (enclosure)

| TEST CASE | Para. Number | Required | Test passed | Test failed |
|--|------------------|----------|----------------|----------------|
| Peak Output Power | 15.247(b) | × | × | |
| Equivalent radiated Power | 15.247(b) | × | × | |
| Spurious Emissions radiated – Transmitter operating | 15.247(c) | × | × | |
| Spurious Emissions conducted – Transmitter operating | 15.247 | | | |
| Carrier Frequency Separation | 15.247(a) (1) | × | × | |
| Number of Hopping Frequencies | 15.247(a) (1)(i) | × | × | |
| Time of Occupancy (Dwell Time) | 15.247(a) (1)(i) | × | × | |
| 20 dB Bandwidth | 15.247(a) (1)(i) | × | × | |
| Band-edge Compliance of RF Emission | 15.247(c) | × | × | |
| Radiated Emission from Digital Part | 15.109 | | | |
| Power Line Conducted Emission | 15.207(a) | × | × | |

The follows is intended to leave blank.

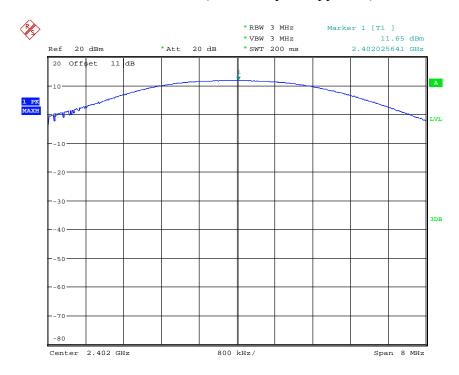
FCC ID: VEJTT-FHM2P4G-A15

3.1 Peak Output Power (transmitter)

FCC Rule: 15.247

This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.

The power was measured with modulation (declared by the applicant).

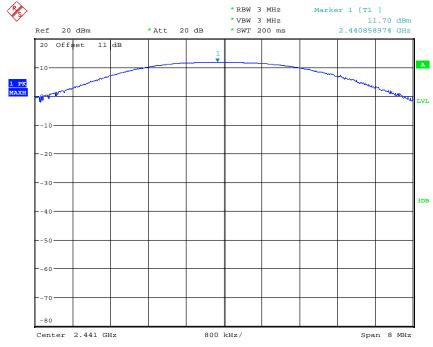


MAX OUTPUT POWER 2402MHz
Date: 7.JUL.2011 10:28:50

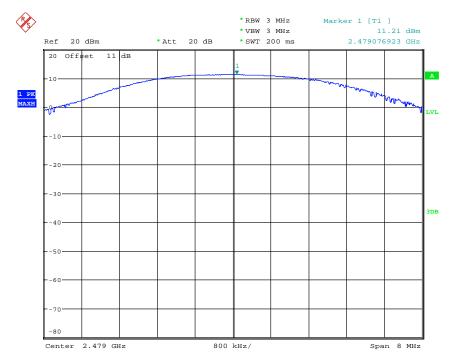


Registration number: W6M21106-11601-C-1





MAX OUTPUT POWER 2441MHz Date: 7.JUL.2011 10:29:16



MAX OUTPUT POWER 2479MHz Date: 7.JUL.2011 10:28:22

Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

| Test conditions $T_{nom}=23^{\circ}C,\ V_{nom}=V$ Frequency[MHz] | Signal Field strength TX highest power mode dBμV/m |
|--|--|
| | |
| Measurement uncertainty | < 3 dB |

The diagrams for the field strength measurements are included in Appendix.

Maximum Peak Output Power

Limits:

| Frequency | Number of hopping channels | | | | |
|-----------------|----------------------------|--------|---------|---------|--|
| MHz | ≥ 75 | ≥ 50 | 49 ≥ 25 | 74 ≥ 15 | |
| 902-928 | | 30 dBm | 24 dBm | | |
| 2400-2483.5 MHz | 30 dBm | - | | 21 dBm | |
| 5725-5850 MHz | 30 dBm | - | | | |

In case of employing transmitter antennas having antenna gain >dBi and using fixed poin-to point operation consider §15.247 (b)(4).

Test equipment used: ETSTW-RE 055, ETSTW-RE 064

FCC ID: VEJTT-FHM2P4G-A15

3.2 RF Exposure Compliance Requirements

According to Supplement C, Edition 01-01 to OET Bulletin 65, Edition 97-01 this spread spectrum transmitter is categorically excluded from routine environmental evaluation because of the low power level, where there is a high likelihood of compliance with RF exposure standards.

The antenna used for this Bluetooth transceiver module must not be co-located or operating in conjunction with any other antenna or transmitter.

3.3 Out of Band Radiated Emissions

FCC Rule: 15.247(c), 15.35

For out of band emissions that are close to or that exceed the 20 dB attenuation requirement described in the specification, radiated measurements were performed at a 3 m separation distance to determine whether these emissions complied with the general radiated emission requirement. Limits:

For frequencies below 1GHz:

Max. reading - 20 dB

Guidance on Measurement of FHSS Systems:

"If the emission is pulsed, modify the unit for continuous operation, use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation." Here the correction was added to the limit instead subtracted from the reading.

Duty Cycle correction = 20 log (dwell time/100ms)
For frequencies above 1GHz (Peak measurements).
Limit = max. aver. reading-20dB +20dB(because Peak detector is used)

For frequencies above 1GHz (Average measurements).

Max. reading – 20 dB - duty cycle correction:

No duty cycle correction was added to the reading

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 018, ETSTW-RE 021, ETSTW-RE 030, ETSTW-RE 042, ETSTW-RE 043, ETSTW-RE 044, ETSTW-RE 064

Explanation: See attached diagrams in appendix.

FCC ID: VEJTT-FHM2P4G-A15

3.4 Transmitter Radiated Emissions in restricted Bands

FCC Rules: 15.247 (c), 15.205, 15.209, 15.35

Radiated emission measurements were performed from 30 MHz to 26000 MHz.

For radiated emission tests, the analyzer setting was as followings:

RES BW VID BW

Frequency <1 GHz 100 kHz 100 kHz (Peak measurements) Frequency >1 GHz 1 MHz 1 MHz (Peak measurements)

1 MHz 1 MHz (Average measurements)

Limits:

For frequencies below 1GHz:

| Frequency of Emission (MHz) | Field strength (microvolts/meter) | Field Strength (dB microvolts/meter) |
|-----------------------------|-----------------------------------|--------------------------------------|
| 30 – 88 | 100 | 40.0 |
| 88 – 216 | 150 | 43.5 |
| 216 – 960 | 200 | 46.0 |
| Above 960 | 500 | 54.0 |

For frequencies above 1GHz (Average measurements).

Guidance on Measurement of FHSS Systems:

"If the emission is pulsed, modify the unit for continues operation, use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation." Here the correction was added to the limit instead subtracted from the reading.

Duty cycle correction = $20 \log (dwell time/100ms)$

For frequencies above 1GHz (Average measurements).

Limit – duty cycle correction

No duty cycle correction was added to the reading.

 $54.0dB\mu V/m$

For frequencies above 1GHz (Peak measurements).

Limit + 20dB

 $54.0 dB \mu V/m + 20 dB = 74 dB \mu V/m$

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 042, ETSTW-RE 043, ETSTW-RE 044, ETSTW-RE 064

Explanation: See attached diagrams in appendix.



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15 **3.5** Spurious emissions (tx)

Spurious emission was measured with modulation (declared by manufacturer).

In any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c))

SAMPLE CALCULATION OF LIMIT. All results will be updated by an automatic measuring system in accordance to point 2.3.

Calculation of test results:

Such factors like antenna correction, cable loss, external attenuation etc. are already included in the provided measurement results. This is done by using validated test software and calibrated test system according the accreditation requirements.

The peak and average spurious emission plots was measured with the average limits.

In the Table being listed the critical peak and average value an exhibit the compliance with the above calculated Limits.

If in the column's correction factor states a value then the max. Field strength in the same row is corrected by a value gained from the "Marker-Delta-Method" or the "Duty-Cycle Correction Factor".

Summary table with radiated data of the test plots

Model: Cougar P3 Date: 2011/6/26

Mode: TX 2402 MHz Temperature: 22.2 °C Engineer: Kevin Polarization: Horizontal Humidity: 60 %

| Frequency (MHz) | Reading (dBuV) | Detector | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|--------------------|-------------------|----------|----------------|--------------------|-------------------|----------------|---------------------------|----------------------|
| 276.1924 | 14.71 | peak | 14.73 | 29.44 | 46.00 | -16.56 | 170 | 100 |
| 408 0160 | 14.26 | peak | 17 89 | 32.15 | 46.00 | -13 85 | 220 | 130 |

| Frequency | Rea (dB | | Factor (dB) | | Result @3m (dBuV/m) | | Limit @3m (dBuV/m) | | Table Degree | Ant. High |
|------------|------------|-------|----------------|-------|------------------------|-------|-----------------------|--------|-----------------|-----------|
| (MHz) | Peak | · | | Peak | Áve. | Peak | Áve. | (dB) | (Deg.) | (cm) |
| 2328.6570 | 59.90 | 42.10 | 1.31 | 61.21 | 43.41 | 74.00 | 54.00 | -10.59 | 335 | 100 |
| 2701.4030 | 58.98 | 41.83 | 2.18 | 61.16 | 44.01 | 74.00 | 54.00 | -9.99 | 125 | 100 |
| 4801.6030 | 66.71 | 42.69 | 4.56 | 71.27 | 47.25 | 74.00 | 54.00 | -6.75 | 100 | 100 |
| 7206.4130 | 47.36 | 37.35 | 6.93 | 54.29 | 44.28 | 74.00 | 54.00 | -9.72 | 130 | 100 |
| 9608.7170 | 40.14 | | 9.47 | 49.61 | | 74.00 | 54.00 | -24.39 | 230 | 100 |
| 12010.0000 | 37.47 | | 13.25 | 50.72 | | 74.00 | 54.00 | -23.28 | 260 | 100 |

Polarization: Vertical

| Frequency (MHz) | Reading (dBuV) | Detector | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|--------------------|-------------------|----------|----------------|--------------------|-------------------|----------------|---------------------------|----------------------|
| 167.9760 | 8.43 | peak | 15.33 | 23.76 | 43.50 | -19.74 | 140 | 100 |
| 408.0160 | 20.07 | peak | 17.89 | 37.96 | 46.00 | -8.04 | 280 | 100 |



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

| Frequency | Reading (dBuV) | | Factor | Result @3m (dBuV/m) | | Limit @3m (dBuV/m) | | Margin | Table | A mata I I i mala |
|------------|-------------------|----------|--------|------------------------|-------|-----------------------|-------|--------|--------|-------------------|
| (NALL=) | ` . | <i>'</i> | (dB) | , | , | , | , | (4D) | Degree | Ant. High |
| (MHz) | Peak | Ave. | Corr. | Peak | Ave. | Peak | Ave. | (dB) | (Deg.) | (cm) |
| 1601.2020 | 51.40 | | -2.01 | 49.39 | | 74.00 | 54.00 | -24.61 | 140 | 110 |
| 2328.6570 | 62.16 | 41.23 | 1.31 | 63.47 | 42.54 | 74.00 | 54.00 | -11.46 | 215 | 100 |
| 2701.4030 | 64.79 | 42.08 | 2.18 | 66.97 | 44.26 | 74.00 | 54.00 | -9.74 | 300 | 100 |
| 4801.6030 | 66.02 | 42.73 | 4.56 | 70.58 | 47.29 | 74.00 | 54.00 | -6.71 | 58 | 100 |
| 7206.4130 | 52.48 | 33.45 | 6.93 | 59.41 | 40.38 | 74.00 | 54.00 | -13.62 | 220 | 100 |
| 9608.7170 | 42.16 | | 9.47 | 51.63 | | 74.00 | 54.00 | -22.37 | 165 | 100 |
| 12017.0340 | 35.52 | | 13.30 | 48.82 | | 74.00 | 54.00 | -25.18 | 120 | 100 |

Mode: TX 2441 MHz Polarization: Horizontal

| Frequency (MHz) | Reading (dBuV) | Detector | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|--------------------|-------------------|----------|----------------|--------------------|-------------------|----------------|---------------------------|----------------------|
| 276.1924 | 13.50 | peak | 14.73 | 28.23 | 46.00 | -17.77 | 170 | 100 |
| 335.0701 | 18.69 | peak | 16.17 | 34.86 | 46.00 | -11.14 | 160 | 100 |

| Frequency | Rea (dB | | Factor (dB) | | t @3m V/m) | | Limit @3m (dBuV/m) | | Table Degree | Ant. High |
|------------|------------|-------|----------------|-------|---------------|-------|-----------------------|--------|-----------------|-----------|
| (MHz) | Peak | Áve. | Corr. | Peak | Áve. | Peak | Ave. | (dB) | (Deg.) | (cm) |
| 3254.5090 | 54.10 | | 2.73 | 56.83 | | 74.00 | 54.00 | -17.17 | 240 | 100 |
| 4881.7640 | 61.04 | 41.25 | 4.59 | 65.63 | 45.84 | 74.00 | 54.00 | -8.16 | 60 | 100 |
| 7326.6530 | 46.63 | 40.57 | 6.91 | 53.54 | 47.48 | 74.00 | 54.00 | -6.52 | 140 | 100 |
| 9761.0220 | 38.59 | | 9.66 | 48.25 | | 74.00 | 54.00 | -25.75 | 220 | 100 |
| 12207.4150 | 36.8 | | 14.75 | 51.55 | | 74.00 | 54.00 | -22.45 | 310 | 100 |

Polarization: Vertical

| Frequency (MHz) | Reading (dBuV) | Detector | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|--------------------|-------------------|----------|----------------|--------------------|-------------------|----------------|---------------------------|----------------------|
| 167.9760 | 8.13 | peak | 15.33 | 23.46 | 43.50 | -20.04 | 200 | 100 |
| 408.0160 | 19.04 | peak | 17.89 | 36.93 | 46.00 | -9.07 | 120 | 100 |

| Frequency | Reading (dBuV) | | Factor (dB) | | Result @3m (dBuV/m) | | @3m V/m) | Margin | Table Degree | Ant. High |
|------------|-------------------|-------|----------------|-------|------------------------|-------|-------------|--------|-----------------|-----------|
| (MHz) | Peak | Äve. | Corr. | Peak | Ave. | Peak | Ave. | (dB) | (Deg.) | (cm) |
| 2368.7380 | 62.58 | 41.59 | 1.39 | 63.97 | 42.98 | 74.00 | 54.00 | -11.02 | 220 | 100 |
| 2741.4830 | 58.96 | 40.76 | 2.22 | 61.18 | 42.98 | 74.00 | 54.00 | -11.02 | 60 | 100 |
| 4881.7640 | 67.47 | 42.88 | 4.59 | 72.06 | 47.47 | 74.00 | 54.00 | -6.53 | 125 | 100 |
| 7326.6530 | 52.13 | 41.29 | 6.91 | 59.04 | 48.20 | 74.00 | 54.00 | -5.80 | 210 | 100 |
| 9761.0220 | 40.66 | | 9.66 | 50.32 | | 74.00 | 54.00 | -23.68 | 220 | 100 |
| 12205.0000 | 32.75 | | 14.76 | 47.51 | | 74.00 | 54.00 | -26.49 | 310 | 100 |



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15 Mode: TX 2479 MHz Polarization: Horizontal

| Frequency (MHz) | Reading (dBuV) | Detector | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|--------------------|-------------------|----------|----------------|--------------------|-------------------|----------------|---------------------------|----------------------|
| 276.1924 | 13.11 | peak | 14.73 | 27.84 | 46.00 | -18.16 | 160 | 100 |
| 408.0160 | 14.11 | peak | 17.89 | 32.00 | 46.00 | -14.00 | 210 | 100 |

| Frequency | Reading (dBuV) | | Factor (dB) | Result @3m (dBuV/m) | | Limit @3m (dBuV/m) | | Margin | Table Degree | Ant. High |
|------------|-------------------|-------|----------------|------------------------|-------|-----------------------|-------|--------|-----------------|-----------|
| (MHz) | Peak | Ave. | Corr. | Peak | Ave. | Peak | Ave. | (dB) | (Deg.) | (cm) |
| 4958.1220 | 64.12 | 41.19 | 4.79 | 68.91 | 45.98 | 74.00 | 54.00 | -8.02 | 280 | 100 |
| 7437.3000 | 51.05 | 39.06 | 6.70 | 57.75 | 45.76 | 74.00 | 54.00 | -8.24 | 80 | 100 |
| 9916.0000 | 33.79 | | 9.84 | 43.63 | | 74.00 | 54.00 | -30.37 | 270 | 100 |
| 12395.0000 | 32.81 | | 14.35 | 47.16 | | 74.00 | 54.00 | -26.84 | 40 | 100 |

Polarization: Vertical

| Frequency (MHz) | Reading (dBuV) | Detector | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|--------------------|-------------------|----------|----------------|--------------------|-------------------|----------------|---------------------------|----------------------|
| 167.9760 | 7.73 | peak | 15.33 | 23.06 | 43.50 | -20.44 | 205 | 100 |
| 408.0160 | 18.93 | peak | 17.89 | 36.82 | 46.00 | -9.18 | 260 | 100 |

| Frequency | Reading (dBuV) | | Factor (dB) | Result @3m (dBuV/m) | | (dBuV/m) | | Margin | Table Degree | Ant. High |
|------------|-------------------|-------|----------------|------------------------|-------|----------|-------|--------|-----------------|-----------|
| (MHz) | Peak | Áve. | Corr. | · · · · · · · · · | | Peak | Ave. | (dB) | (Deg.) | (cm) |
| 2380.7620 | 56.28 | 40.11 | 1.41 | 57.69 | 41.52 | 74.00 | 54.00 | -12.48 | 240 | 100 |
| 2729.4590 | 57.85 | 39.92 | 2.21 | 60.06 | 42.13 | 74.00 | 54.00 | -11.87 | 300 | 100 |
| 4953.9080 | 66.20 | 42.58 | 4.77 | 70.97 | 47.35 | 74.00 | 54.00 | -6.65 | 120 | 100 |
| 7438.8780 | 52.15 | 41.20 | 6.70 | 58.85 | 47.90 | 74.00 | 54.00 | -6.10 | 160 | 100 |
| 9916.0000 | 33.93 | | 9.84 | 43.77 | | 74.00 | 54.00 | -30.23 | 250 | 100 |
| 12395.0000 | 33.21 | | 14.35 | 47.56 | | 74.00 | 54.00 | -26.44 | 310 | 100 |

Note

- 1. Correction Factor = Antenna factor + Cable loss Preamplifier
- 2. The formula of measured value as: Test Result = Reading + Correction Factor
- 3. Detector function in the form: PK = Peak, QP = Quasi Peak, AV = Average
- 4. All not in the table noted test results are more than 20 dB below the relevant limits.
- 5. See attached diagrams in appendix.

All other not noted test plots do not contain significant test results in relation to the limits. **TEST RESULT (Transmitter):** The unit DOES meet the FCC requirements.

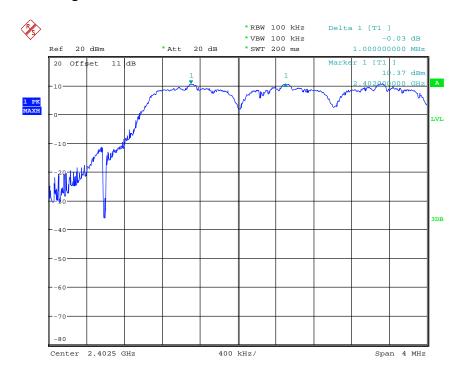
Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 042, ETSTW-RE 043, ETSTW-RE 044, ETSTW-RE 064

FCC ID: VEJTT-FHM2P4G-A15

3.6 Carrier Frequency Separation

Carrier Frequency Separation was measured with modulation (declared by manufacturer).

According to FCC rules part 15 subpart C §15.247 frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or 20 dB bandwidth of the hopping channel, whichever is greater.

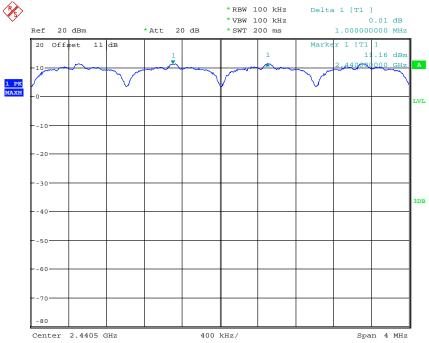


FREQUENCY SEPARATION 2402MHz Date: 7.JUL.2011 06:43:07

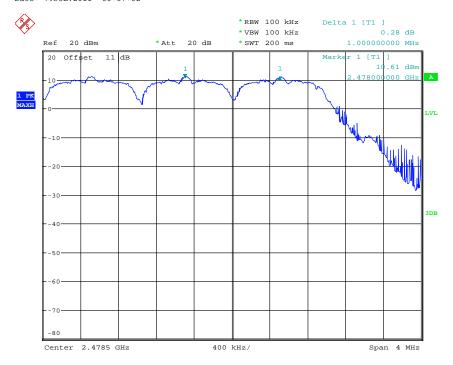


Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15



FREQUENCY SEPARATION 2441MHz Date: 7.JUL.2011 06:57:02



FREQUENCY SEPARATION 2479MHz Date: 7.JUL.2011 07:01:03



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

Limits:

| Frequency Range | Limits | | |
|----------------------------|--------------------------|--------------------------|--|
| MHz | 20 dB bandwidth < 25 kHz | 20 dB bandwidth > 25 kHz | |
| 902-928 | 25 kHz 20 dB bandwidt | | |
| 2400-2483.5 5725-5850.0 | 25 kHz | 20 dB bandwidth | |

Test equipment used: ETSTW-RE 055, ETSTW-RE 064



Registration number: W6M21106-11601-C-1

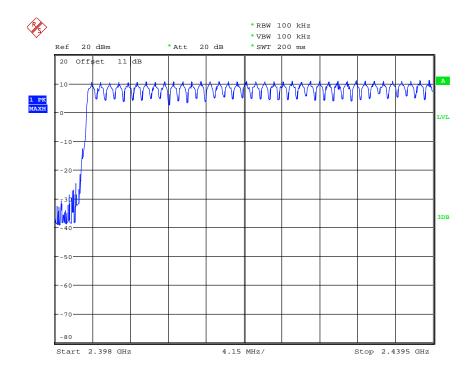
FCC ID: VEJTT-FHM2P4G-A15

3.7 Number of Hopping Frequencies

According to FCC rules part 15 subpart C §15.247 frequency hopping systems operating in the 2400-2483.5 MHz band shall use at least 15 hopping frequencies. Frequency hopping systems in 5725-5850 MHz bands shall use least 75 hopping frequencies.

For frequency hopping systems operating in the 902-928 MHz band: if the 20dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies; if the 20dB bandwidth of the hopping channel 250 kHz or greater, the system shall use at least 25 hopping frequencies.

| Test con | ditions | Operating Mode | Number of Channels |
|-----------------|-------------------|---------------------|-----------------------|
| $T_{nom}=23$ °C | $V_{nom} = 9.6 V$ | normal transmitting | 78 |



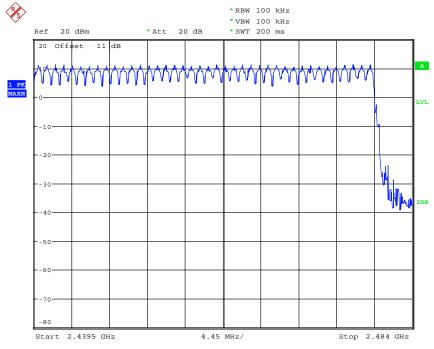
NUMBER OF HOPPING

Date: 7.JUL.2011 07:14:06



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15



NUMBER OF HOPPING
Date: 7.JUL.2011 07:18:01

Limits:

| Frequency Range MHz | Limit | |
|------------------------|---------------------|--------------------|
| | 20dB Bandwidth | Number of Channels |
| 902-928 MHz | Bandwidth < 250 kHz | ≥ 50 |
| | Bandwidth ≥ 250 kHz | ≥ 25 |
| 2400-2483.5 | not defined | 15 |
| 5725-5850.0 MHz | 1 MHz | 75 |

Test equipment used: ETSTW-RE 055, ETSTW-RE 064

3.7.1 Pseudorandom Frequency Hopping Sequence

The CYWUSB6935 contains a 2.4GHz radio transceiver, a GFSK modem, and a dual DSSS reconfigurable baseband. The radio and baseband are both code- and frequency-agile.

Forty-nine spreading codes selected for optimal performance (Gold codes) are supported across 78 (1MHz) channels yielding a theoretical spectral capacity of 3822 channels. The CYWUSB6935 supports a range of up to 50 meters or more. The transmitter uses a DSP-based vector modulator to convert the 1-MHz chips to an accurate GFSK carrier. The receiver uses a fully integrated Frequency Modulator (FM) detector with automatic data slicer to demodulate the GFSK signal.

FCC ID: VEJTT-FHM2P4G-A15

3.7.2 Coordination of hopping sequences to other transmitters

The CYWUSB6935 transceiver is a single-chip 2.4-GHz Direct Sequence Spread Spectrum (DSSS) Gaussian Frequency Shift Keying (GFSK) baseband modem radio that connects directly to a microcontroller via a simple serial peripheral interface.

3.7.3 System Receiver Hopping Capability

The receiver and transmitter are a single-conversion, low-Intermediate Frequency (low-IF) architecture with fully integrated IF channel matched filters to achieve high performance in the presence of interference. An integrated Power Amplifier (PA) provides an output power control range of 30 dB in seven steps. Both the receiver and transmitter integrated Voltage Controlled Oscillator (VCO) and synthesizer have the agility to cover the complete 2.4-GHz GFSK radio transmitter ISM band. The synthesizer provides the frequency-hopping local oscillator for the transmitter and receiver. The VCO loop filter is also integrated on-chip.

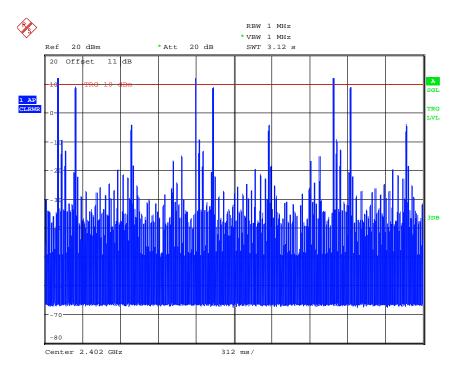
FCC ID: VEJTT-FHM2P4G-A15

3.8 Time of Occupancy (Dwell Time)

Frequency hopping systems operating in the 5725-5850 MHz band shall use an average time of occupancy on any frequency not greater than 0.4 seconds within a 30 second period.

In 2400-2483.5 MHz band the average time of occupancy on any channel shall not be greater than 0.4 seconds multiplied by the number of hopping channels employed.

For frequency hopping systems operating in the 902-928 MHz band: if the 20dB bandwidth of the hopping channel is less than 250 kHz, the average time of occupancy on any frequency shall not greater than 0.4 seconds within a 20 second period; if the 20dB bandwidth of the hopping channel is 250 kHz or greater, the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.



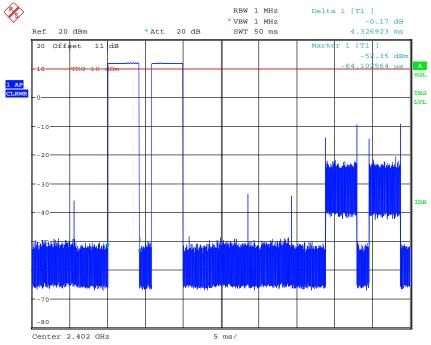
DWELL TIME 2402MHz (4.326ms * 30events = 129.78ms)

Date: 7.JUL.2011 06:35:51

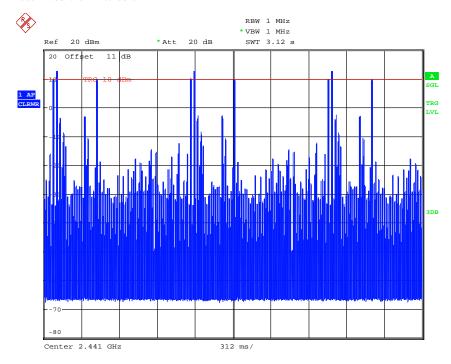


Registration number: W6M21106-11601-C-1





DWELL TIME 2402MHz
Date: 7.JUL.2011 06:38:04



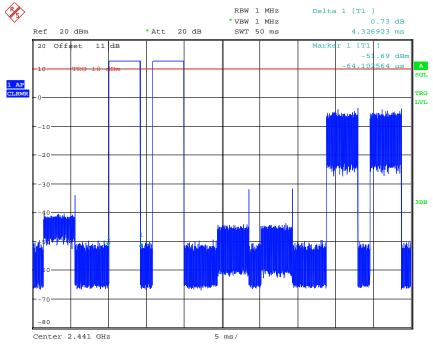
DWELL TIME 2441MHz (4.326ms * 30events = 129.78ms)

Date: 7.JUL.2011 06:36:17

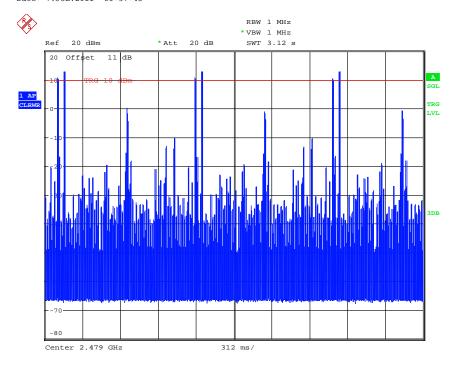


Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15



DWELL TIME 2441MHz
Date: 7.JUL.2011 06:37:48



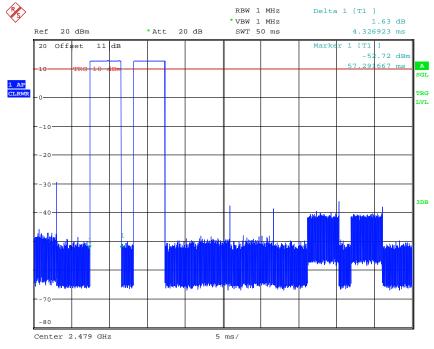
DWELL TIME 2479MHz (4.326ms * 30events = 129.78ms)

Date: 7.JUL.2011 06:36:43



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15



DWELL TIME 2479MHz
Date: 7.JUL.2011 06:40:21

Limits and measurement periods:

| Frequency MHz | Number of channels | Measurement Periode | Limit |
|---------------|--------------------|---------------------------------|-------|
| 902 – 928 | ≥50 | 20 s | 0.4 s |
| | 49 ≥ 25 | 10 s | 0.4 s |
| 2400 – 2483.5 | ≥ 15 | 0.4 s * number of used channels | 0.4 s |
| 5725- 5850 | ≥ 75 | 30 s | 0.4s |

Test equipment used: ETSTW-RE 055, ETSTW-RE 064

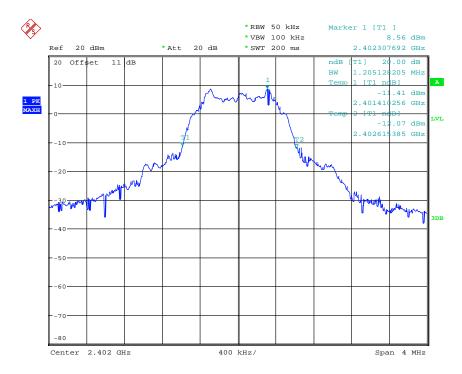
FCC ID: VEJTT-FHM2P4G-A15

3.9 20dB Bandwidth

Frequency hopping systems operating in the 5725-5850 MHz bands shall use a maximum 20dB bandwidth of 1 MHz.

The 20dB bandwidth is measured on the lowest, middle and highest hopping channel.

For frequency hopping systems operating in the 902-928 MHz band the maximum 20dB bandwidth of the hopping channel is 500 kHz.



20DB BANDWIDTH 2402MHz Date: 7.JUL.2011 10:30:48

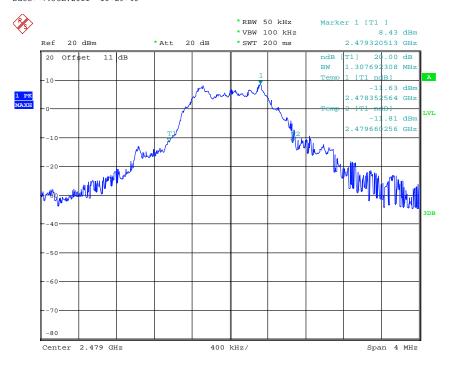


Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15



20DB BANDWIDTH 2441MHz
Date: 7.JUL.2011 10:29:46



20DB BANDWIDTH 2479MHz Date: 7.JUL.2011 10:30:19



FCC ID: VEJTT-FHM2P4G-A15

Limits:

| Frequency Range / MHz | Limit |
|-----------------------|-------------|
| 902-928 | ≤ 500 kHz |
| 2400-2483.5 | not defined |
| 5725-5850 | ≤ 1 MHz |

Test equipment used: ETSTW-RE 055, ETSTW-RE 064

3.9.1 System Receiver Input Bandwidth

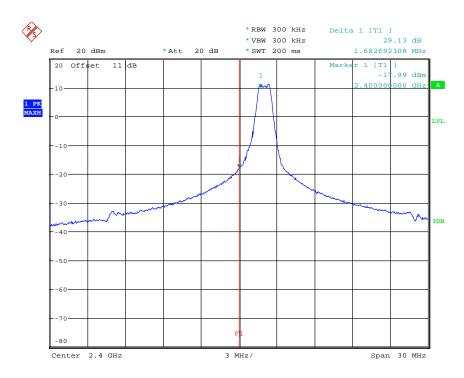
According to the 2.4GHz DSSS Radio SoC's providing the frequency-hopping function for transceiver, the bandwidth of the transceiver was determined to which it was matched the appropriate required value.

FCC ID: VEJTT-FHM2P4G-A15

3.10 Band-edge Compliance of RF Emissions

According to FCC rules part 15 subpart C §15.247(c) in any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required.

In addition radiated emission which fall in the restricted bands, as defined in section 15.205(a), must also with the radiated emission limits.



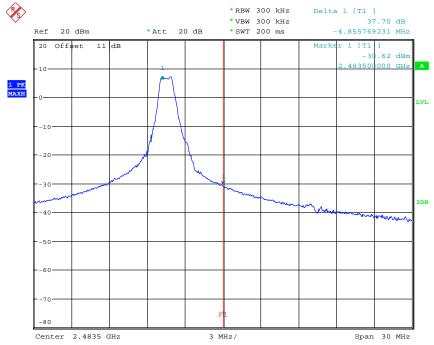
BAND EDGE 2402MHz

Date: 7.JUL.2011 10:31:54

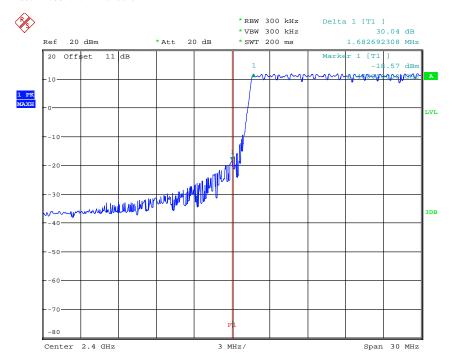


Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15



BAND EDGE 2479MHz Date: 7.JUL.2011 10:50:57

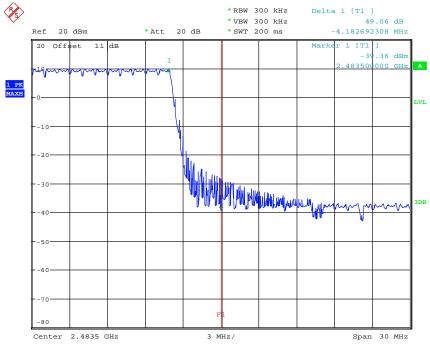


BAND EDGE HOPPING MODE 2402MHz Date: 7.JUL.2011 07:27:44



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15



BAND EDGE HOPPING MODE 2479MHz Date: 7.JUL.2011 07:29:12

Limits:

| Frequency Range / MHz | Limit | | |
|-----------------------|---------|--|--|
| 902 –928 | | | |
| 2400 – 2483.5 | - 20 dB | | |
| 5725 - 5850 | | | |

Test equipment used: ETSTW-RE 055, ETSTW-RE 064



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

3.11 Radiated Emissions from Digital Part

FCC Rule: 15.109

Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

| Frequency of Emission | Field Strength | Field Strength | |
|-----------------------|--------------------|----------------------|--|
| (MHz) | (microvolts/meter) | (dBmicrovolts/meter) | |
| 30 - 88 | 100 | 40.0 | |
| 88 – 216 | 150 | 43.5 | |
| 216 – 960 | 200 | 46.0 | |
| Above 960 | 500 | 54.0 | |

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 042, ETSTW-RE 043, ETSTW-RE 044, ETSTW-RE 064

Explanation: Please refer to separated test report no.: W6M21106-11601-P-15B.



Registration number: W6M21106-11601-C-1

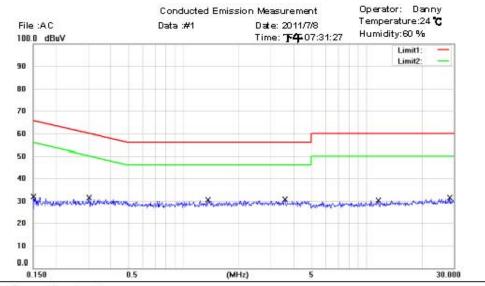
FCC ID: VEJTT-FHM2P4G-A15

3.12 Power Line Conducted Emission

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the table bellows with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.

| Frequency | Level (dBμV) | | | | | |
|-----------|------------------|------------------|--|--|--|--|
| Trequency | quasi-peak | average | | | | |
| 150 kHz | lower limit line | Lower limit line | | | | |



Phase: Power: 110VAC

Site: Chamber_03

Condition: FCC Part 15 Class B Conduction (QP)

EUT: W6M21106-11601 M/N: Cougar P3

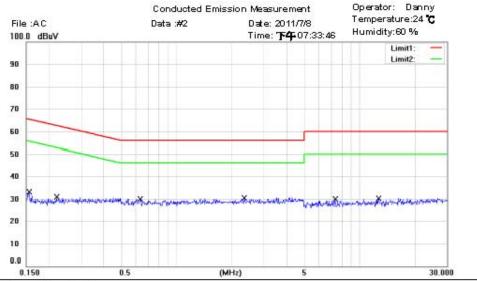
Test Mode : Note :

| MH. | Frequency (MHz) | Reading (dBuV) | Detector | Corrected factor(dB) | Result (dBJV) | Limit (dBuV) | Margin (dB) | Comment |
|-----|--------------------|-------------------|----------|-------------------------|------------------|-----------------|----------------|---------|
| | 0.1504 | 12.18 | QP | 9.94 | 22.12 | 65,98 | -43.86 | |
| | 0.1504 | 8.79 | AVG | 9.94 | 18.73 | 55,98 | -37.25 | |
| | 0.3021 | 11.34 | QP | 9.92 | 21.26 | 60,18 | -38.92 | |
| | 0.3021 | 7.49 | AVG | 9.92 | 17.41 | 50.18 | -32.77 | |
| | 1.3595 | 10.60 | QP | 9.97 | 20.57 | 56.00 | -35.43 | |
| | 1.3595 | 7.36 | AVG | 9.97 | 17.33 | 46.00 | -28.67 | |
| | 3.5668 | 10.75 | QP | 10.09 | 20.84 | 56.00 | -35.16 | |
| * | 3,5668 | 7.47 | AVG | 10.09 | 17.56 | 46.00 | -28.44 | |
| - 2 | 11.5000 | 10.48 | QP | 10.56 | 21.04 | 60.00 | -38.96 | |
| - 2 | 11.5000 | 7.46 | AVG | 10.56 | 18.02 | 50.00 | -31.98 | |
| 8 | 28.3125 | 11.76 | QP | 11.34 | 23.10 | 60.00 | -36.90 | |
| - 8 | 28.3125 | 7.93 | AVG | 11.34 | 19.27 | 50.00 | -30.73 | |



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15



Site: Chamber 03

Condition: FCC Part 15 Class B Conduction (QP)

EUT : W6M21106-11601 Power : 110VAC

M/N: Cougar P3 Test Mode: Note:

| MH. | Frequency (MHz) | Reading (dBuV) | Detector | Corrected factor(dB) | Result (dBJV) | Limit (dBuV) | Margin (dB) | Comment |
|-----|--------------------|-------------------|----------|-------------------------|------------------|-----------------|----------------|---------|
| | 0.1550 | 11.18 | QP | 9.99 | 21.17 | 65.73 | -44.56 | |
| | 0.1550 | 7.63 | AVG | 9.99 | 17.62 | 55.73 | -38.11 | |
| | 0.2197 | 10.66 | QP | 9.95 | 20.61 | 62.83 | -42.22 | |
| | 0.2197 | 7.48 | AVG | 9.95 | 17.43 | 52.83 | -35.40 | |
| - 8 | 0.6372 | 10.18 | QP | 10.01 | 20.19 | 56.00 | -35.81 | |
| | 0.6372 | 7.37 | AVG | 10.01 | 17.38 | 46.00 | -28.62 | |
| | 2,3450 | 10.45 | QP | 10.10 | 20.55 | 56.00 | -35.45 | |
| * | 2,3450 | 7.35 | AVG | 10.10 | 17.45 | 46.00 | -28.55 | |
| 7 | 7.3625 | 10.14 | QP | 10.43 | 20.57 | 60.00 | -39.43 | |
| | 7.3625 | 7.32 | AVG | 10.43 | 17.75 | 50.00 | -32.25 | |
| - 1 | 12.7000 | 10.51 | QP | 10.82 | 21.33 | 60.00 | -38.67 | |
| - 8 | 12.7000 | 7.47 | AVG | 10.82 | 18.29 | 50.00 | -31.71 | |

Limits:

| Frequency of Emission (MHz) | Conducted I | Conducted Limit (dBuV) | | | |
|-----------------------------|-------------|------------------------|--|--|--|
| | Quasi Peak | Average | | | |
| 0.15-0.5 | 66 to 56 | 56 to 46 | | | |
| 0.5-5 | 56 | 46 | | | |
| 5-30 | 60 | 50 | | | |

Note:

- 1. The formula of measured value as: Test Result = Reading + Correction Factor
- 2. The Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss
- 3. Detector function in the form: PK = Peak, QP = Quasi Peak, AV = Average
- 4. All not in the table noted test results are more than 20 dB below the relevant limits.
- 5. Up line: QP limit, Down line: Average limit.

Test equipment used: ETSTW-CE 001, ETSTW-CE 004, ETSTW-CE 006, ETSTW-RE 064

Registration number: W6M21106-11601-C-1 FCC ID: VEJTT-FHM2P4G-A15

Appendix

Measurement diagrams

Spurious Emissions radiated

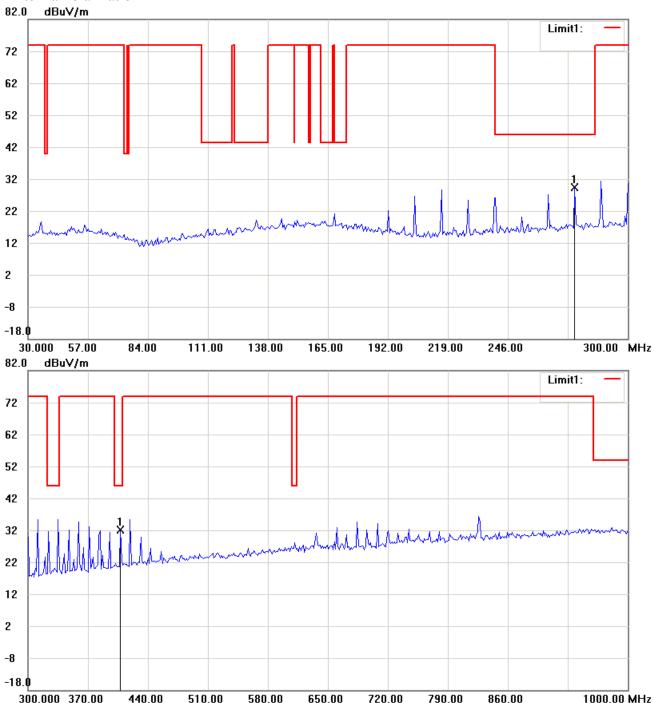


Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15 Radiated Emission-Transmitter part

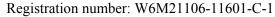
TX-2402 MHz

Antenna Polarization H

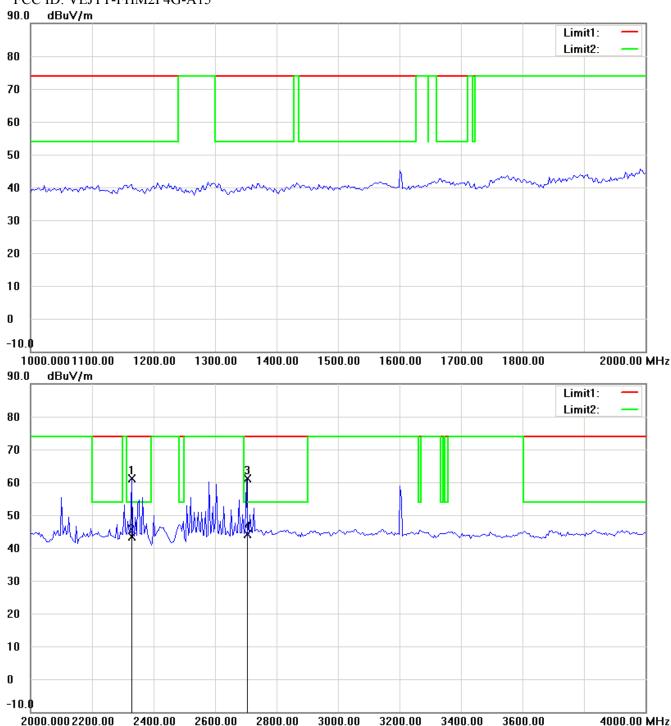


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.





FCC ID: VEJTT-FHM2P4G-A15

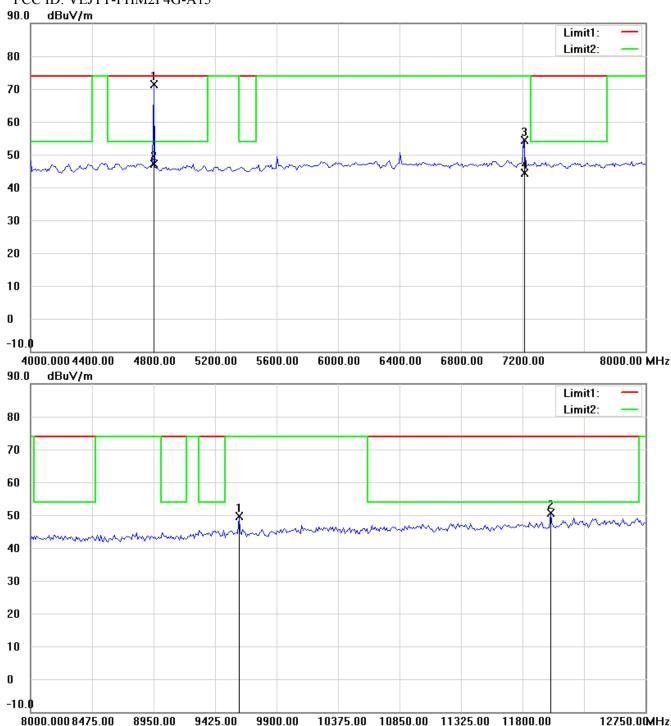


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



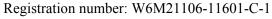
Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

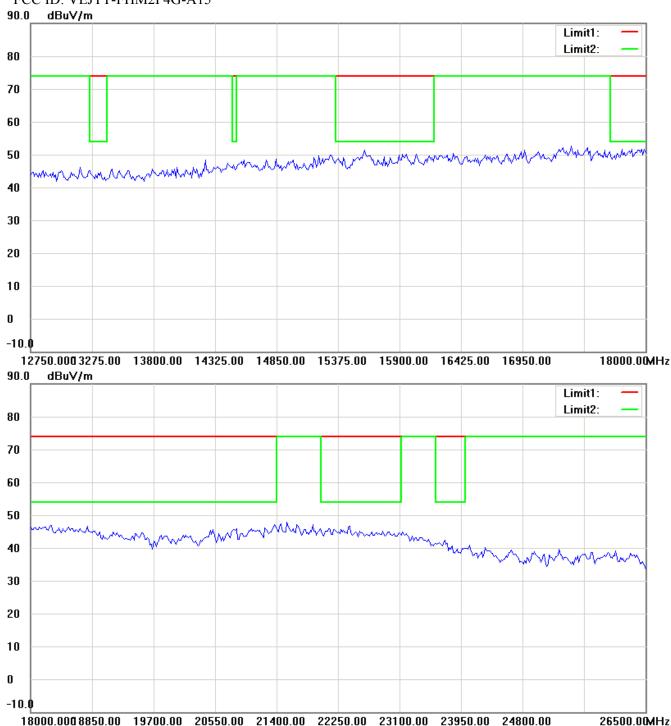


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.





FCC ID: VEJTT-FHM2P4G-A15



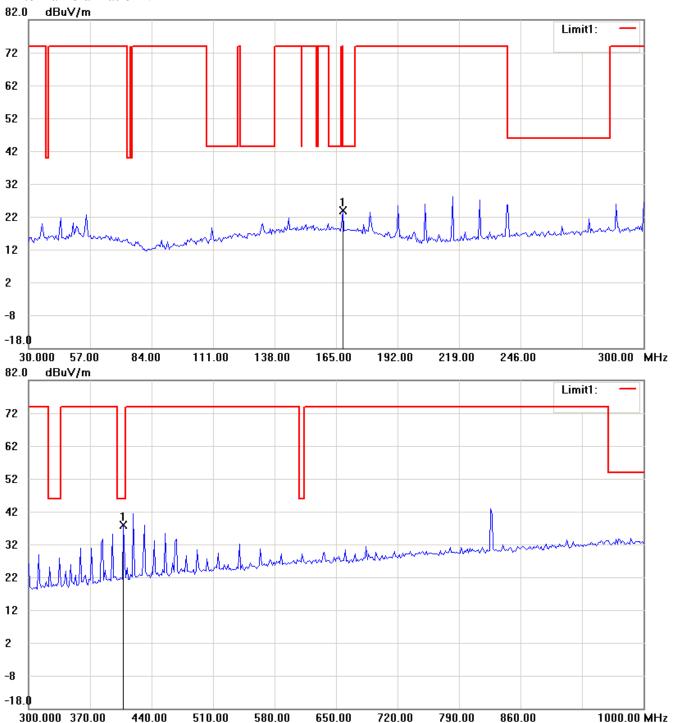
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

Antenna Polarization V



- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



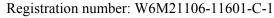
Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

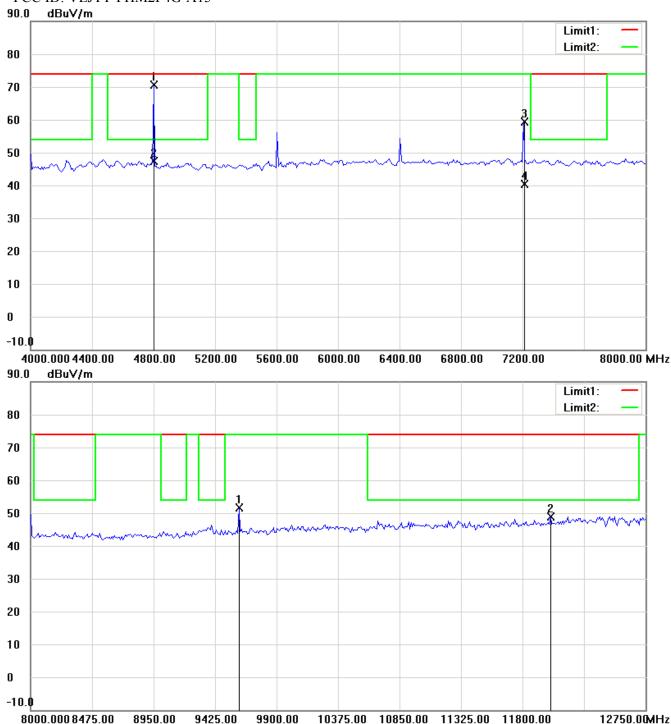


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



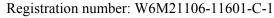


FCC ID: VEJTT-FHM2P4G-A15

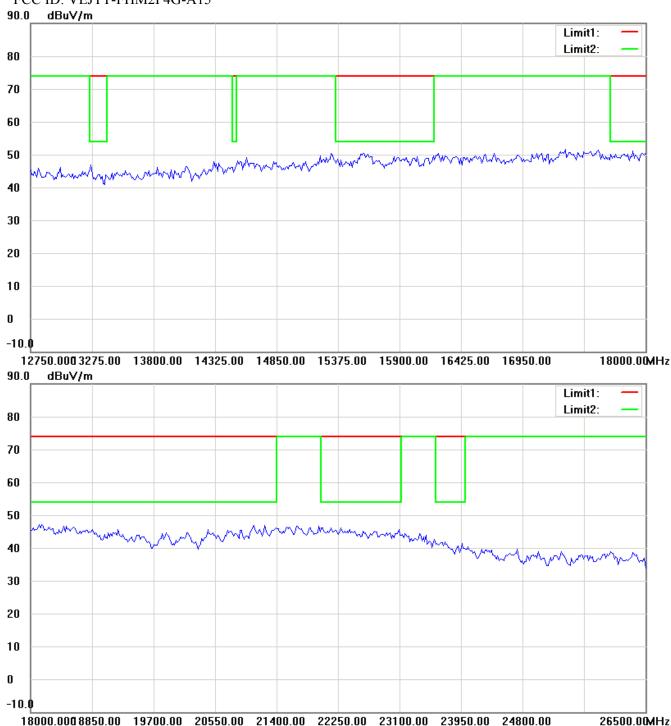


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.





FCC ID: VEJTT-FHM2P4G-A15



- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.

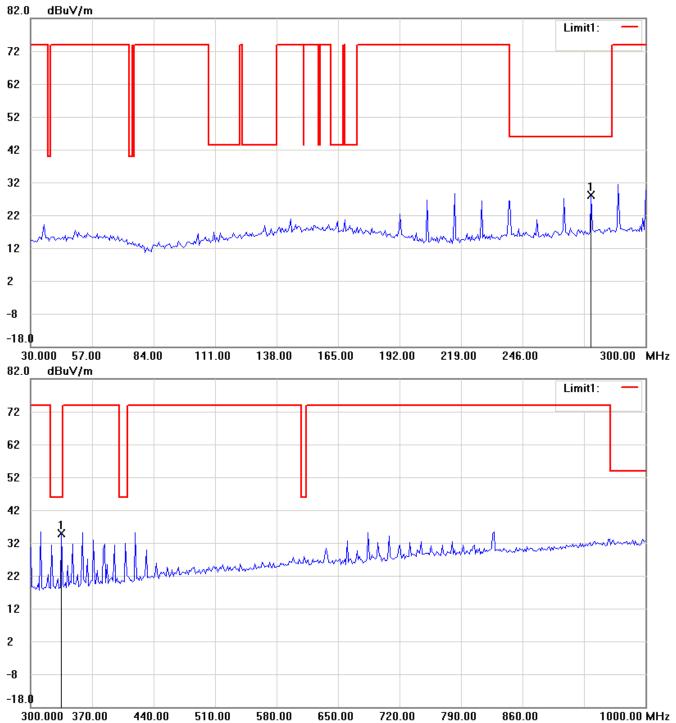


Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

TX-2441 MHz

Antenna Polarization H

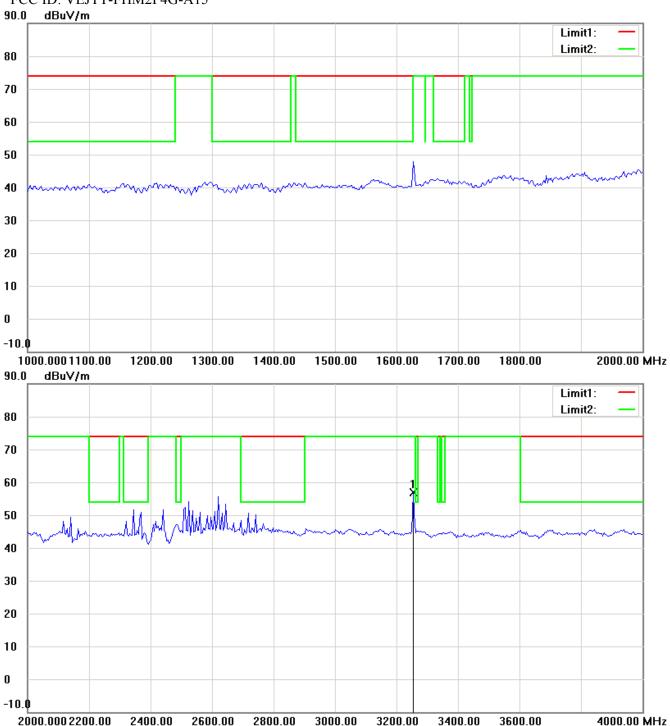


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



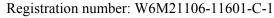
Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

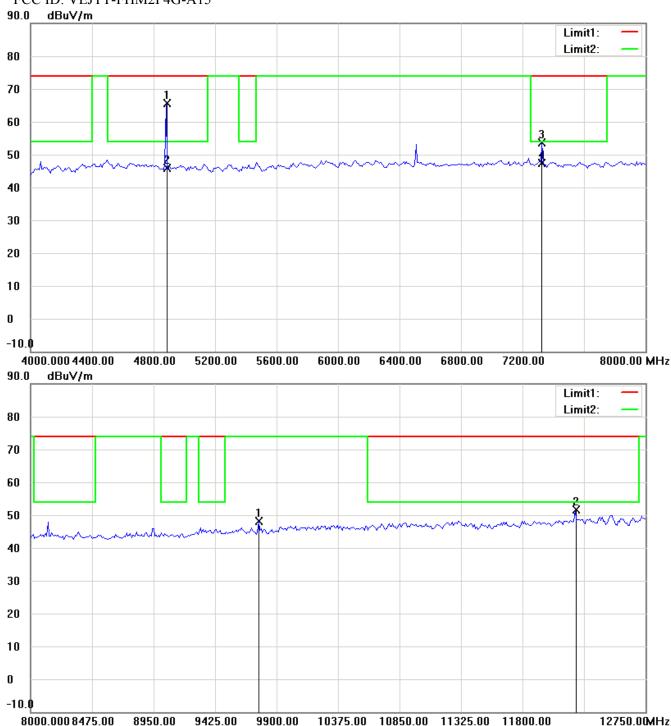


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



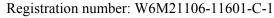


FCC ID: VEJTT-FHM2P4G-A15

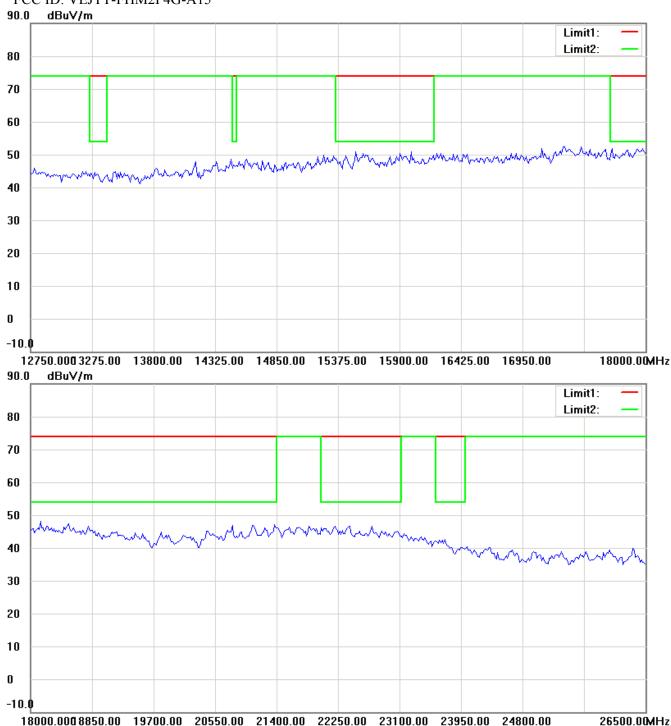


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.





FCC ID: VEJTT-FHM2P4G-A15



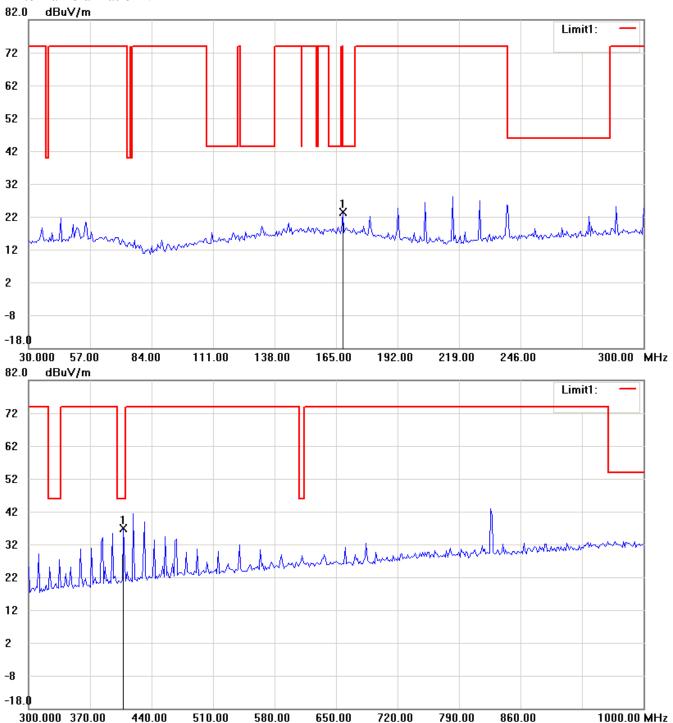
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

Antenna Polarization V

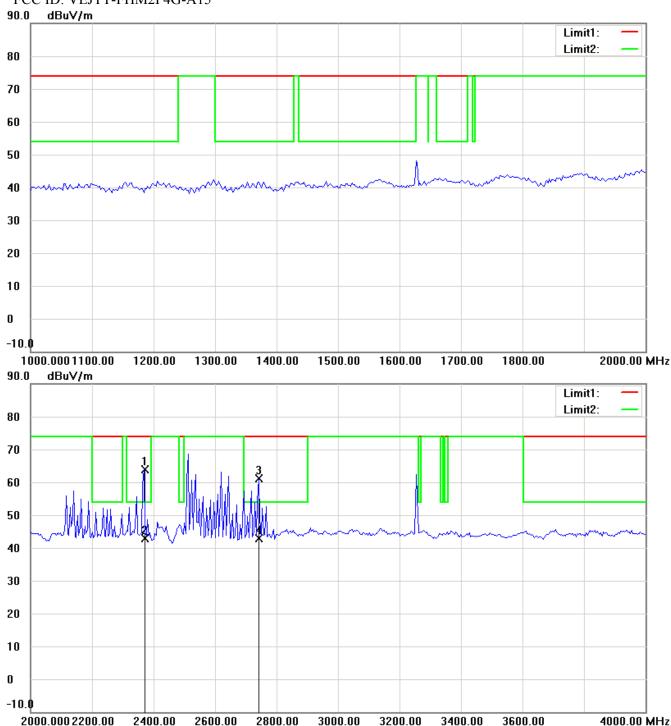


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



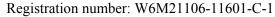
Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

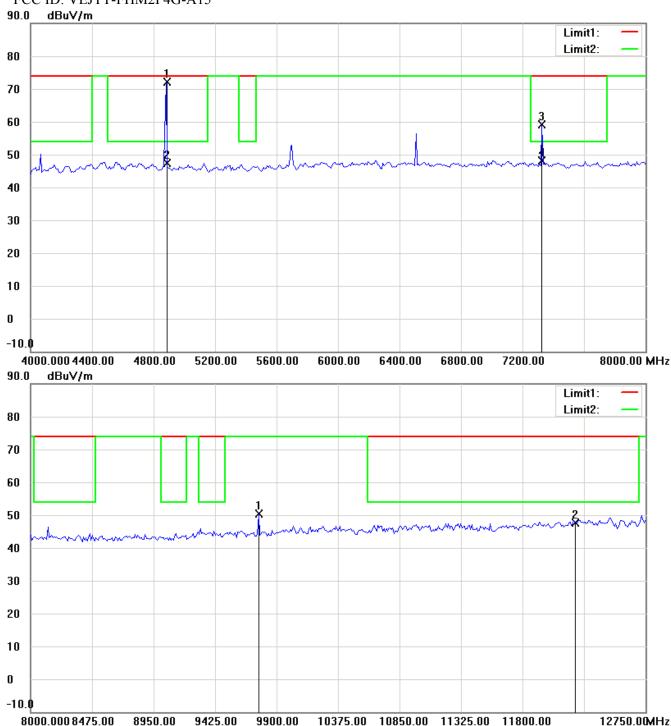


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



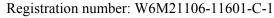


FCC ID: VEJTT-FHM2P4G-A15

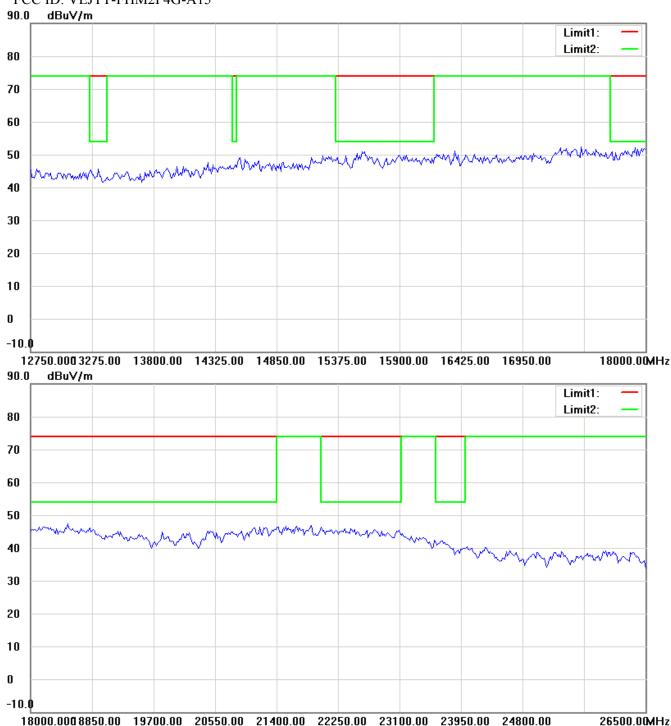


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.





FCC ID: VEJTT-FHM2P4G-A15



- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.

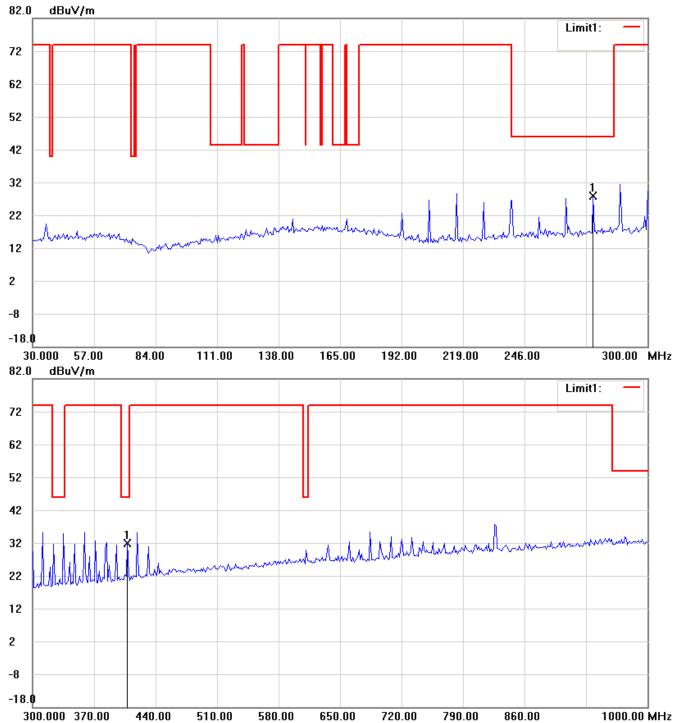


Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

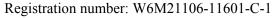
TX-2479 MHz

Antenna Polarization H

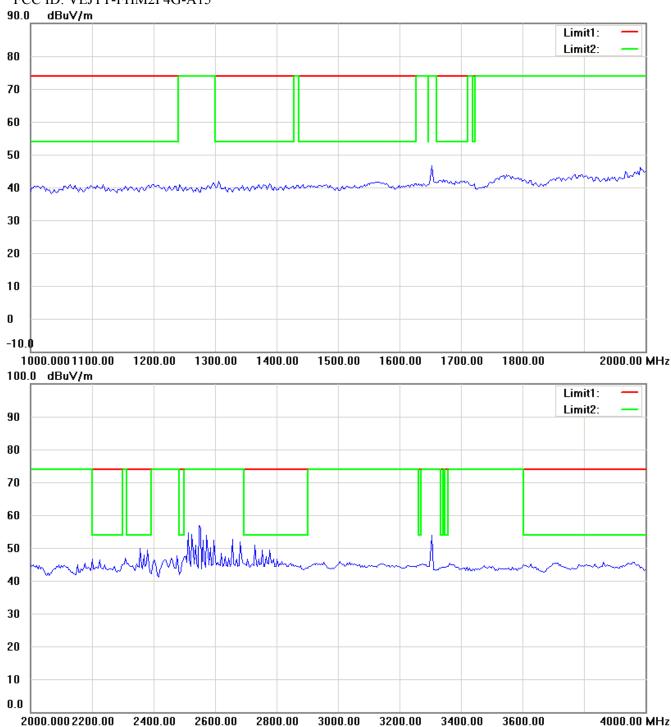


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.





FCC ID: VEJTT-FHM2P4G-A15

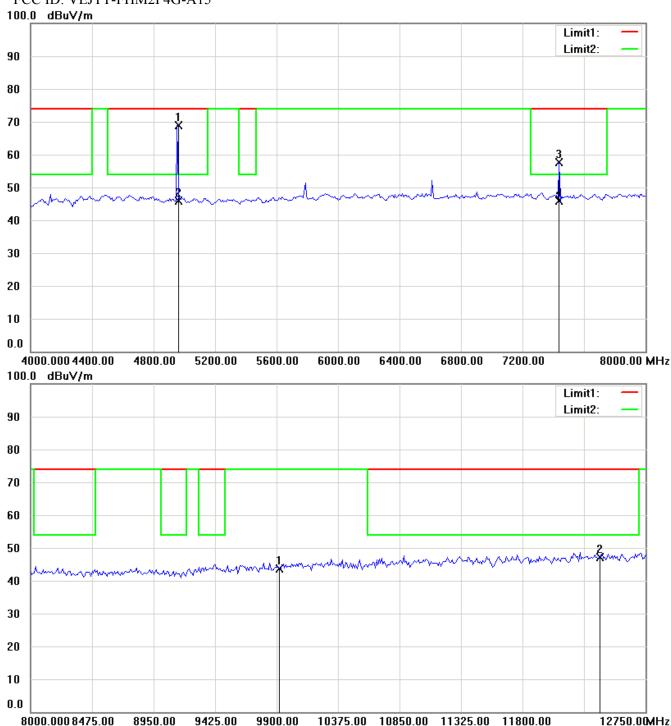


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

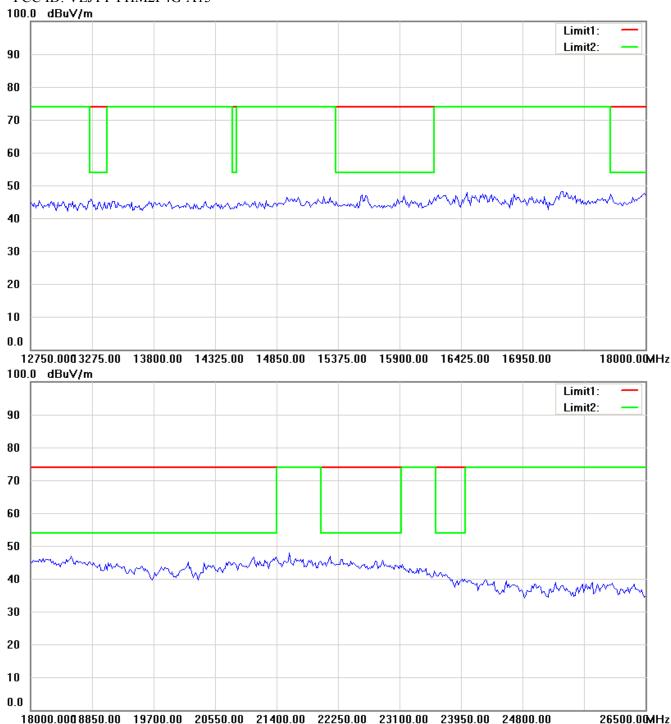


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15



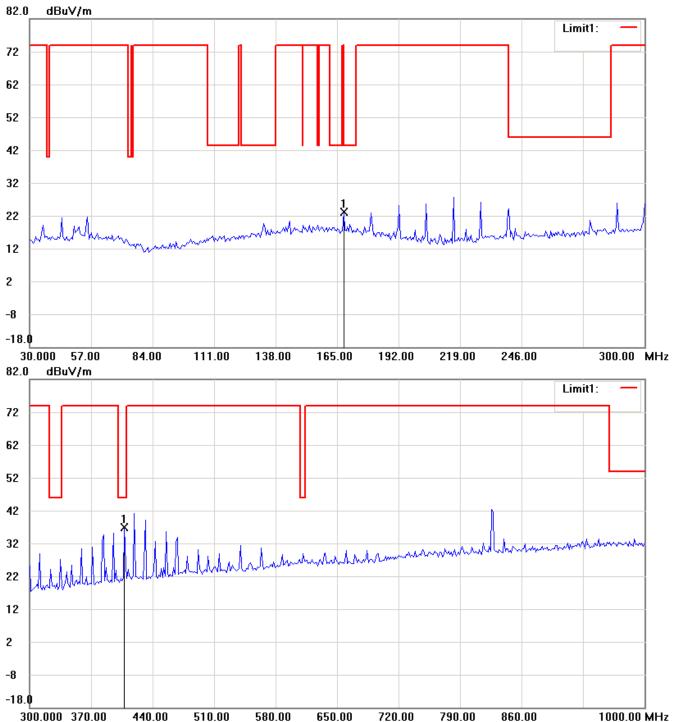
- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

Antenna Polarization V

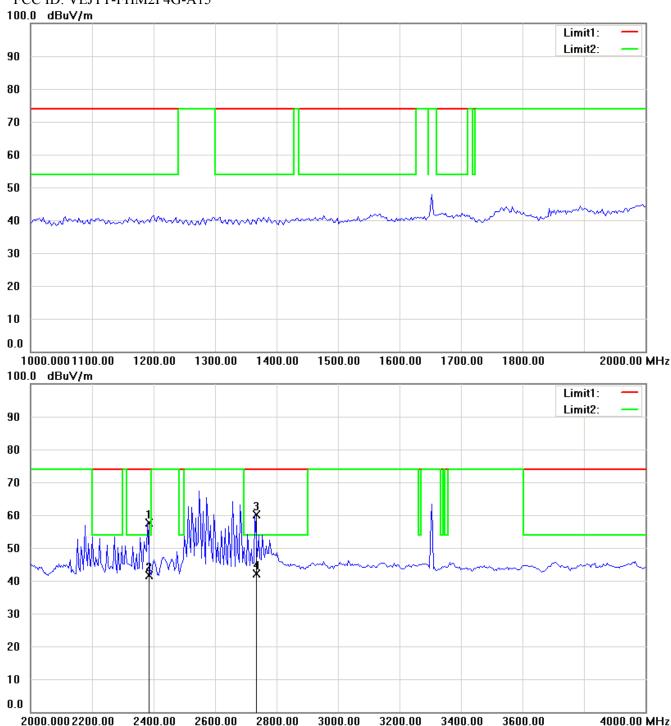


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

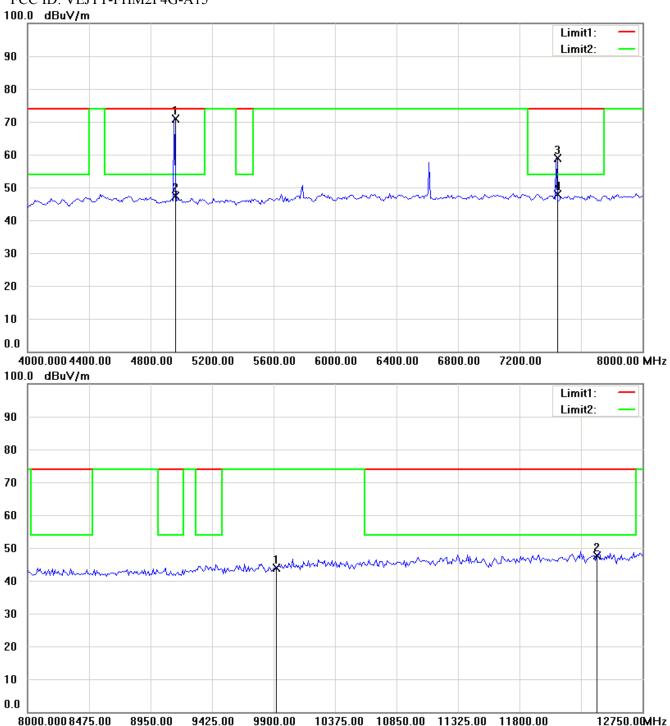


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15

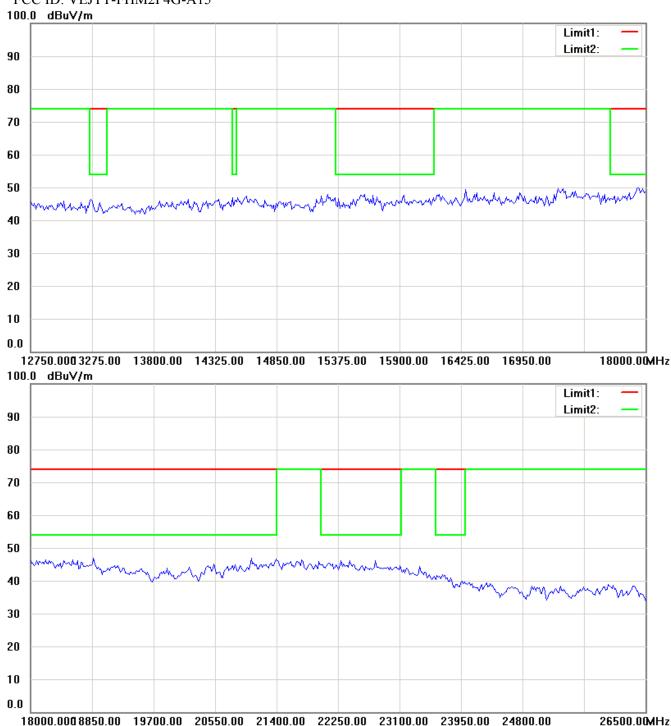


- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21106-11601-C-1

FCC ID: VEJTT-FHM2P4G-A15



- 1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
- 2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
- **3.** For corrected test results are listed in the relevant table of radiated test data of this test report.