# 47 CFR PART 15 SUBPART C TEST REPORT

# for

# GPS enabled cycling computer

# Model No.: GPS 100

# FCC ID: 2AH2PGPS10021

of

Applicant: DECATHLON USA LLC
Address: 2415 3rd Street, Suite 231, San Francisco, California 94107
United States

Tested and Prepared

by

**Worldwide Testing Services (Taiwan) Co., Ltd.**

**FCC Registration No.: TW1477, TW0020, TW1072**

**Industry Canada filed test laboratory Reg. No. 20037**

**Report No.: W6M22105-20916-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

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# 1 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.

Specific Conditions:
Usage of the hereunder tested device in combination with other integrated or external antennas requires at least additional output power measurements, spurious emission measurements, conducted emission measurements (AC supply lines) and radio frequency exposure evaluations for each individual configuration performed, for certification by FCC.

**Tester:**

| | | | |
|---|---|---|---|
| June 28, 2021 | | Rick Chen | Rick Chen. |
| Date | WTS-Lab. | Name | Signature |

**Technical responsibility for area of testing:**

| | | | |
|---|---|---|---|
| June 28, 2021 | | Kevin Wang | Kevin Wang |
| Date | WTS | Name | Signature |

Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021

## 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.)
3 meter semi-anechoic chamber
No.35, Aly. 21, Ln. 228, Ankang Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)
TEL:886-2-6613-0228
FAX:886-2-2791-5046
Company
Worldwide Testing Services(Taiwan) Co., Ltd.
6F, NO. 58, LANE 188, RUEY-KUANG RD.
NEIHU, TAIPEI 114, TAIWAN R.O.C.
Tel : 886-2-66068877
Fax : 886-2-66068879

### 1.2.2 Details of accreditation status

Accredited testing laboratory
FCC filed test laboratory Reg. No. TW1477, TW0020, TW1072
Industry Canada filed test laboratory Reg. No. 20037

**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: | DECATHLON USA LLC |
| Street: | 2415 3rd Street, Suite 231, |
| Town: | San Francisco, California 94107 |
| Country: | United States |
| Telephone: | ./. |
| Fax: | ./. |

## 1.4 Application details

| | |
|---|---|
| Date of receipt of test item: | May 20, 2021 |
| Date of test: | from May 21, 2021 to June 04, 2021 |

## 1.5 General information of Test item

| | |
|---|---|
| Type of test item: | GPS enabled cycling computer |
| Model Number: | GPS 100 |
| Brand Name: | DECATHLON |
| Multi-listing model number: | ./. |
| Conception code: | 330530 |
| Model code: | 8615340 |
| Item code: | 4226880 |
| Photos: | see Appendix |

**Technical data**

| | |
|---|---|
| Frequency band: | 2400 MHz – 2483.5 MHz |
| Frequency (ch 0 or A): | 2402 MHz |
| Frequency (ch 19 or B): | 2440 MHz |
| Frequency (ch 39 or C): | 2480 MHz |
| Number of Channels: | 40 |
| Operation modes: | Duplex |
| Modulation Type: | GFSK |
| Fixed point-to-point operation: | ☐ Yes / ☒ No |
| Type of Antenna: | PCB antenna |
| Antenna gain: | 0 dBi (Testing laboratory assumes no responsibility for affecting any validity of the result while the information which is provided by clients.) |
| Power supply: | USB 5 Vd.c.<br>Battery 3.7 Vd.c., 1.59Wh |
| Emission designator: | 1M06G1D |
| Host device: | none |

Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021
Classification:

| | |
|---|---|
| Fixed Device | ☐ |
| Mobile Device (Human Body distance ＞ 20cm) | ☐ |
| Portable Device (Human Body distance ＜ 20cm) | ☒ |

**Transmitter** **Unom**

**Power (ch 0 or A)**: Conducted: -1.61 dBm
**Power (ch 19 or B):** Conducted: -1.93 dBm
**Power (ch 39 or C)**: Conducted: -2.19 dBm

**Manufacturer: (if applicable)**

Name: DECATHLON SE
Street: 4 Boulevard de Mons
Town: 59650 VILLENEUVE D'ASCQ
Country: FRANCE

## 1.6 Test standards

Technical standard: 47 CFR PART 15 SUBPART C § 15.247 (2019-10)

# 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 were ascertained in the course of the tests performed. ☐

## 2.2 Test environment

Relative humidity content: 20 ... 75 %
Air pressure: 86 ... 103 kPa
Power supply: USB 5 Vd.c.
Battery 3.7 Vd.c., 1.59Wh
Extreme conditions parameters: /.

| Test item Name | Uncertainty |
|---|---|
| Estimation Result of Uncertainty of Conducted Emission | Expanded Uncertainty:<br>AMN: 1.05 dB<br>Voltage probe: 1.05 dB |
| Estimation Result of Uncertainty of Radiated Emission(3M) | Expanded Uncertainty:<br>0.009-30 MHz: 2.13 dB<br>30-1000 MHz: 3.53 dB<br>1-18 GHz: 4.19 dB<br>18-40 GHz: 4.09 dB |
| Estimation Result of Uncertainty of Bandwidth Measurement<br>20 dB Bandwidth, Occupied bandwidth, Channel bandwidth, Necessary Bandwidth | Expanded Uncertainty: 0.41 kHz |
| Estimation Result of Uncertainty of Conducted Output Power Measurement Output power | Expanded Uncertainty: 1.61 dB |
| Estimation Result of Uncertainty of Power Density Measurement<br>Power density | Expanded Uncertainty: 1.68 dB |
| Estimation Result of Uncertainty of Band Edge Measurement | Expanded Uncertainty: 1.33 dBc |

The decision rule is: Measurement uncertainty is not included in the calculation of test results.

## 2.3 Test Equipment List

| No. | Test equipment | Type | Serial No. | Manufacturer | Cal. Date | Next Cal. Date |
|---|---|---|---|---|---|---|
| ETSTW-CE 001 | EMI TEST RECEIVER | ESHS10 | 842121/013 | R&S | 2020/6/11 | 2021/6/10 |
| ETSTW-CE 003 | AC POWER SOURCE | APS-9102 | D161137 | GW | Function Test | |
| ETSTW-CE 004 | ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK | ESH3-Z5 | 840731/011 | R&S | 2020/11/6 | 2021/11/5 |
| ETSTW-CE 006 | IMPULSBEGRENZER PULSE LIMITER | ESH3-Z2 | 100226 | R&S | 2020/9/22 | 2021/9/21 |
| ETSTW-CE 008 | HF-EICHLEITUNG RF STEP ATTENUATOR 139dB DPSP | 334.6010.02 | 844581/024 | R&S | Function Test | |
| ETSTW-CE 009 | TEMP.&HUMIDITY CHAMBER | GTH-225-40-1P-U | MAA0305-009 | GIANT FORCE | 2020/7/22 | 2021/7/21 |
| ETSTW-CE 016 | TWO-LINE V-NETWORK | ENV216 | 100050 | R&S | 2020/10/26 | 2021/10/25 |
| ETSTW-CE 028 | MXE EMI Receiver | N9038A | MY53220110 | Agilent | 2020/7/29 | 2021/7/28 |
| ETSTW-RE 003 | EMI TEST RECEIVER | ESI 26 | 831438/001 | R&S | 2020/6/12 | 2021/6/11 |
| ETSTW-RE 004 | EMI TEST RECEIVER | ESI 40 | 832427/004 | R&S | 2020/9/14 | 2021/9/13 |
| ETSTW-RE 012 | TUNABLE BANDREJECT FILTER | D.C 0309 | 146 | K&L | Function Test | |
| ETSTW-RE 013 | TUNABLE BANDREJECT FILTER | D.C 0336 | 397 | K&L | Function Test | |
| ETSTW-RE 018 | MICROWAVE HORN ANTENNA | AT4560 | 27212 | AR | 2020/7/30 | 2021/7/29 |
| ETSTW-RE 019 | MICROWAVE HORN ANTENNA | 22240-25 | 121074 | FM | 2021/5/5 | 2022/5/4 |
| ETSTW-RE 027 | Passive Loop Antenna | 6512 | 00034563 | ETS-Lindgren | 2020/7/8 | 2021/7/7 |
| ETSTW-RE 030 | Double-Ridged Guide Horn Antenna | 3117 | 00035224 | ETS-Lindgren | 2021/5/5 | 2022/5/4 |
| ETSTW-RE 042 | Biconical Antenna | HK116 | 100172 | R&S | 2021/3/18 | 2022/3/17 |
| ETSTW-RE 043 | Log-Periodic Dipole Antenna | HL223 | 100166 | R&S | 2021/5/5 | 2022/5/4 |
| ETSTW-RE 044 | Log-Periodic Antenna | HL050 | 100094 | R&S | 2020/8/3 | 2021/8/2 |
| ETSTW-RE 045 | ESA-E SERIES SPECTRUM ANALYZER | E4404B | MY45111242 | Agilent | Pre-test Use | |
| ETSTW-RE 050 | Attenuator 10dB | 50HF-010-1 | None | JFW | 2021/2/19 | 2022/2/18 |
| ETSTW-RE 051 | Attenuator 6dB | 50HF-006-1 | None | JFW | 2021/2/19 | 2022/2/18 |
| ETSTW-RE 053 | Attenuator 3dB | 50HF-003-1 | None | JFW | 2021/2/19 | 2022/2/18 |
| ETSTW-RE 055 | SPECTRUM ANALYZER | FSU 26 | 200074 | R&S | 2021/3/16 | 2022/3/15 |
| ETSTW-RE 060 | Attenuator 30dB | 5015-30 | F651012z-01 | ATM | 2021/2/19 | 2022/2/18 |
| ETSTW-RE 062 | Amplifier Module | CHC 2 | None | KMIC | 2021/5/5 | 2022/5/4 |
| ETSTW-RE 064 | Bluetooth Test Set | MT8852B-042 | 6K00005709 | Anritsu | Function Test | |
| ETSTW-RE 069 | Double-Ridged Guide Horn Antenna | 3117 | 00069377 | ETS-Lindgren | Function Test | |
| ETSTW-RE 072 | CELL SITE TEST SET | 8921A | 3339A00375 | HP | 2020/10/15 | 2021/10/14 |
| ETSTW-RE 088 | SOLID STATE AMPLIFIER | KMA180265A01 | 99057 | KMIC | 2020/9/17 | 2021/9/16 |
| ETSTW-RE 091 | Match Pad | MDCS1500 | None | WOKEN | 2021/5/20 | 2022/5/19 |
| ETSTW-RE 099 | DC Block | 50DB-007-1 | None | JFW | 2021/2/19 | 2022/2/18 |

| | | | | | | |
|---|---|---|---|---|---|---|
| ETSTW-RE 112 | AC POWER SOURCE | TFC-1005 | T-0A023536 | T-Power | Function test | |
| ETSTW-RE 115 | 2.4GHz Notch Filter | N0124411 | 473874 | MICROWAVE CIRCUITS | 2021/1/6 | 2022/1/5 |
| ETSTW-RE 120 | RF Player | MP9200 | MP9210-111022 | ADIVIC | 2020/12/25 | 2021/12/24 |
| ETSTW-RE 122 | SIGNAL GENERATOR | SMF100A | 102149 | R&S | 2020/6/11 | 2021/6/10 |
| ETSTW-RE 125 | 5GHz Notch filter | 5NSL11-5200/E221.3-O/O | 1 | K&L Microwave | 2020/8/7 | 2021/8/6 |
| ETSTW-RE 126 | 5GHz Notch filter | 5NSL12-5800/E221.3-O/O | 1 | K&L Microwave | 2020/8/7 | 2021/8/6 |
| ETSTW-RE 127 | RF Switch Box | RFS-01 | None | WTS | 2021/2/19 | 2022/2/18 |
| ETSTW-RE 128 | 5.3GHz Notch filter | N0153001 | SN487233 | Microwave Circuits | 2020/8/7 | 2021/8/6 |
| ETSTW-RE 129 | 5.5GHz Notch filter | N0555984 | SN487234 | Microwave Circuits | 2020/8/7 | 2021/8/6 |
| ETSTW-RE 130 | Handheld RF Spectrum Analyzer | N9340A | CN0147000204 | Agilent | Pre-test Use | |
| ETSTW-RE 142 | Amplifier | 8447D | 2805A03378 | Agilent | 2021/5/5 | 2022/5/4 |
| ETSTW-RE 146 | Preamplifier | JPA-10M1G | 15090004 | JPT | 2020/6/5 | 2021/6/4 |
| ETSTW-RE 147 | Bi-log Hybrid Antenna | MCTD 2786B | BLB16M04005 | ETC | 2021/4/7 | 2022/4/6 |
| ETSTW-RE 148 | Bi-log Hybrid Antenna | MCTD 2786B | BLB16M04006 | ETC | 2020/7/9 | 2021/7/8 |
| ETSTW-RE 153 | Signal Analyzer | FSV40 | 101929 | R&S | 2020/10/1 | 2021/9/30 |
| ETSTW-RF 002 | Electromagnetic field probe | LF-30 | K-0007 | STT | 2020/6/9 | 2021/6/8 |
| ETSTW-EMI 011 | USB Compact Modulator | SFC-U | 101689 | R&S | 2021/5/20 | 2022/5/19 |
| ETSTW-GSM 002 | Universal Radio Communication Tester | CMU 200 | 109439 | R&S | 2021/3/16 | 2022/3/15 |
| ETSTW-GSM 003 | Radio Communication Analyzer | MT8820C | 6201342073 | Anritsu | 2021/4/27 | 2022/4/26 |
| ETSTW-GSM 004 | Wideband Radio Communication Tester | CMW500 | 128092 | R&S | 2020/11/10 | 2021/11/9 |
| ETSTW-GSM 019 | Band Reject Filter | WRCTF824/849-822/851-40 /12+9SS | 3 | WI | 2021/1/6 | 2022/1/5 |
| ETSTW-GSM 020 | Band Reject Filter | WRCD1747/1748-1743/1752-32/5SS | 1 | WI | 2021/1/6 | 2022/1/5 |
| ETSTW-GSM 021 | Band Reject Filter | WRCD1879.5/1880.5-1875.5/1884.5-32/5SS | 3 | WI | 2021/1/6 | 2022/1/5 |
| ETSTW-GSM 022 | Band Reject Filter | WRCT901.9/903.1-904.25-50/8SS | 1 | WI | 2021/1/6 | 2022/1/5 |
| ETSTW-GSM 023 | Power Divider | 4901.19.A | None | SUHNER | 2020/9/8 | 2021/9/7 |
| ETSTW-GSM 024 | Radio Communication Analyzer | MT8821C | None | Anritsu | 2021/4/1 | 2022/3/31 |
| ETSTW-GSM 025 | Band Reject Filter | BRM19835 | 001 | Micro-Tronics | 2020/8/7 | 2021/8/6 |
| ETSTW-Cable 011 | SMA to N type Cable | RGU-400 | None | THERMAX | Pre-test Use NCR | |
| ETSTW-Cable 016 | BNC Cable | Switch Box | B Cable 1 | Schwarz beck | 2021/2/19 | 2022/2/18 |
| ETSTW-Cable 017 | BNC Cable | X Cable | B Cable 2 | Schwarz beck | 2021/2/19 | 2022/2/18 |
| ETSTW-Cable 018 | BNC Cable | Y Cable | B Cable 3 | Schwarz beck | 2021/2/19 | 2022/2/18 |
| ETSTW-Cable 019 | BNC Cable | Z Cable | B Cable 4 | Schwarz beck | 2021/2/19 | 2022/2/18 |
| ETSTW-Cable 020 | N TYPE Cable | OATS Cable 1 | N30N30-L335-15M | JYE BAO CO.,LTD. | 2020/7/1 | 2021/6/30 |
| ETSTW-Cable 027 | Microwave Cable | SUCOFLEX 104 | 279083 | HUBER+SUHNER | 2021/5/5 | 2022/5/4 |
| ETSTW-Cable 028 | Microwave Cable | FA147A0015M2020 | 30064-2 | UTIFLEX | 2020/9/17 | 2021/9/16 |
| ETSTW-Cable 029 | Microwave Cable | FA147A0015M2020 | 30064-3 | UTIFLEX | 2020/9/17 | 2021/9/16 |
| ETSTW-Cable 030 | Microwave Cable | SUCOFLEX 104（S_Cable 9） | 279067 | HUBER+SUHNER | 2021/2/19 | 2022/2/18 |

| | | | | | | |
|---|---|---|---|---|---|---|
| ETSTW-Cable 043 | Microwave Cable | SUCOFLEX 104 | 317576 | HUBER+SUHNER | 2021/5/5 | 2022/5/4 |
| ETSTW-Cable 047 | Microwave Cable | SUCOFLEX 104 | 325518 | HUBER+SUHNER | 2020/7/3 | 2021/7/2 |
| ETSTW-Cable 058 | Microwave Cable | SUCOFLEX 104 | none | HUBER+SUHNER | 2020/6/5 | 2021/6/4 |
| ETSTW-Cable 064 | Microwave Cable | SUCOFLEX 104 | MY28891 | HUBER+SUHNER | 2021/5/5 | 2022/5/4 |
| ETSTW-Cable 071 | N TYPE CABLE | EMCCFD400-NM-NM-25000 | 170239 | EMCI | 2020/6/5 | 2021/6/4 |
| ETSTW-Cable 072 | SMA type cable (8m) | SUCOFLEX 104 | 805800/4 | HUBER+SUHNER | 2021/5/5 | 2022/5/4 |
| ETSTW-Cable 074 | SMA type cable (2m) | SUCOFLEX 104 | 802563/4 | HUBER+SUHNER | 2021/5/5 | 2022/5/4 |
| WTSTW-SW 002 | EMI TEST SOFTWARE | EZ_EMC | None | Farad | Version ETS-03A1 | |
| WTSTW-SW 006 | EMI TEST SOFTWARE | e3 | None | AUDIX | Version 9.161014 | |
| WTSTW-SW 008 | Signal studio | Agilent | None | AUDIX | Version 2.0.0.1 | |
| ETSTW-TH 002 | Thermohygrometer | 608-H1 | 45204317 | Testo | 2020/9/23 | 2021/9/22 |
| ETSTW-TH 003 | Wireless weather station | GAIA | N/A | TFA | 2020/12/3 | 2021/12/2 |

## 2.4 General Test Procedure

**POWER LINE CONDUCTED INTERFERENCE:** The procedure used was ANSI STANDARD C63.10-2013 6.2 using a 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 C63.10-2013 6.3 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.

**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 dBµV) 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 dBµV + 10.36 dB + 6 dB = 36.36 dBµV/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 C63.10-2013 6.2.2. 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.

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.

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 C63.10-2013 B.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.

## 3 Test results (enclosure)

| TEST CASE | Para. Number | Required | Test passed | Test failed |
|---|---|---|---|---|
| Peak Output Power | 15.247(b) | ☒ | ☒ | ☐ |
| Equivalent isotropically radiated Power | 15.247(b) | ☒ | ☒ | ☐ |
| Spurious Emissions radiated – Transmitter operating | 15.247(d): 15.209 | ☒ | ☒ | ☐ |
| Band Edge Measurement | 15.247(d) | ☒ | ☒ | ☐ |
| Minimum 6 dB Bandwidth | 15.247(a)(2) | ☒ | ☒ | ☐ |
| Peak Power Spectral Density | 15.247(e) | ☒ | ☒ | ☐ |
| Radiated Emission from Receiver Part | 15.109 | ☐ | ☐ | ☐ |
| Power Line Conducted Emission | 15.207(a) | ☒ | ☒ | ☐ |

The following is intentionally left blank.

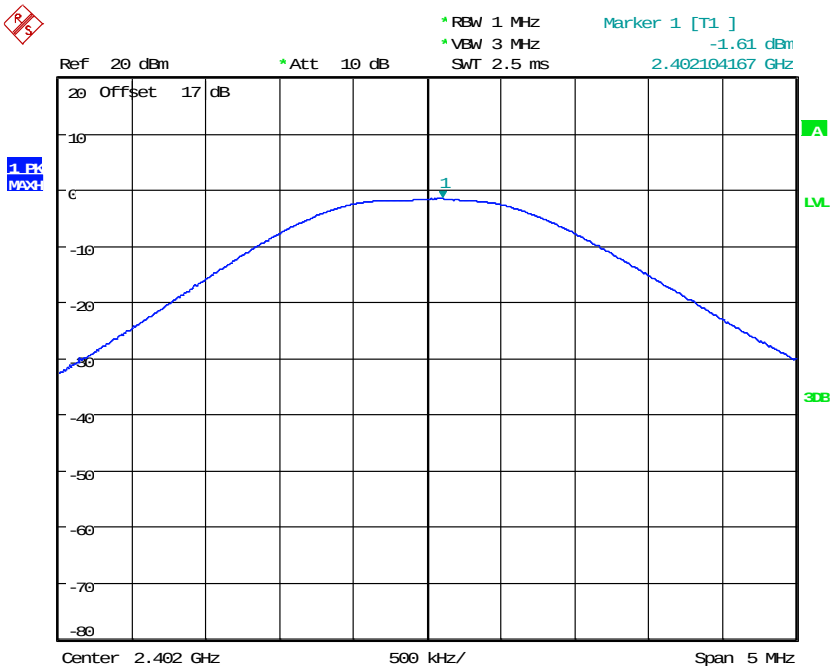
Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021

## 3.1 Peak Output Power (transmitter)

FCC Rule: 15.247(b)(3)

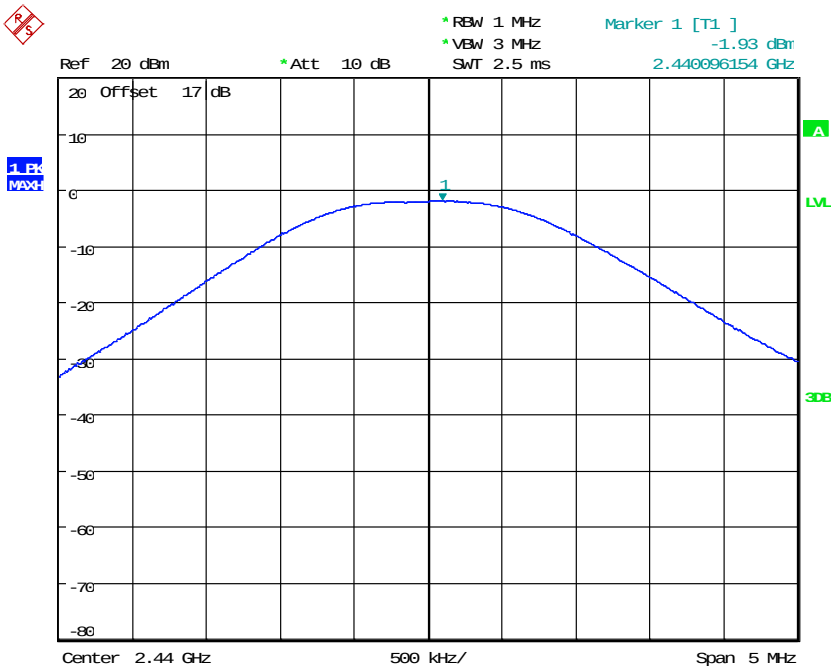
This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.

Test date: May 26, 2021
Temperature: 23.3 ˚C
Humidity: 51.8 %
Tester: Rick

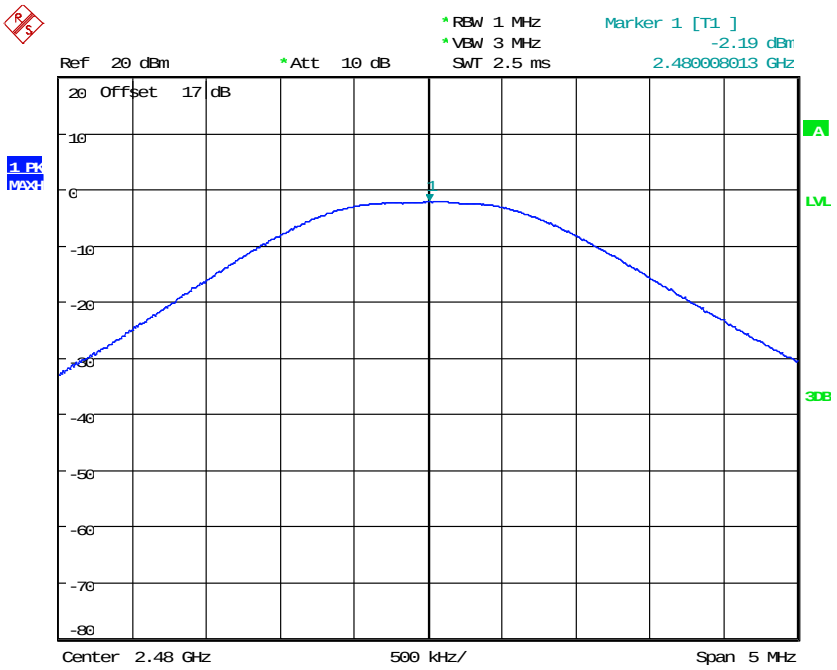



MAX OUTPUT POWER BT4.0 CH00
Date: 26.MAY.2021 15:44:17

Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021




MAX OUTPUT POWER BT4.0 CH19
Date: 26.MAY.2021 15:41:11




MAX OUTPUT POWER BT4.0 CH39
Date: 26.MAY.2021 15:42:51

Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021
Limits:

| Frequency<br>MHz | Power<br>dBm |
|---|---|
| 902 - 928 | 30 |
| 2400 – 2483.5 | 30 |
| 5725 – 5850 | 30 |

In case of employing transmitter antennas having antenna gain ＞ 6 dBi and using fixed point-to point operation consider §15.247 (b)(4)

Test equipment used: ETSTW-RE 055, ETSTW-RE 050, ETSTW-RE 064

## 3.2 Equivalent Isotropic Radiated Power (EIRP)

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power + antenna gain
EIRP = -1.61 dBm + 0 dBi [antenna gain claimed by manufacturer] = -1.61 dBm = 0.6902 mW

## 3.3 Exemption Limits for Routine Evaluation according to FCC KDB Publication

**RESULT:**

Test standard : FCC KDB Publication
447498 D01 General RF Exposure Guidance v06

According to 447498 D01 General RF Exposure Guidance v06:
SAR evaluation, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

### 3.3.1 Exemption Limits for Routine Evaluation – SAR Evaluation

SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table .

Table: SAR evaluation — Exemption limits for routine evaluation based on frequency and separation distance

| MHz | 5 | 10 | 15 | 20 | 25 | mm |
|---|---|---|---|---|---|---|
| 2402 | 10.09 | 19.26 | 29.35 | 38.52 | 48.52 | SAR Test Exclusion Threshold (mW) |

| MHz | 30 | 35 | 40 | 45 | 50 | mm |
|---|---|---|---|---|---|---|
| 2402 | 57.70 | 67.79 | 77.87 | 87.05 | 97.13 | SAR Test Exclusion Threshold (mW) |

Output power level shall be the higher of the maximum conducted or equivalent isotropically radiated power (e.i.r.p.) source-based, time-averaged output power.

Established separation distance is 5 mm.
Operating frequency band : 2402-2480 MHz

Max. output power level at 5 mm separation distance at 2402 MHz according to table is: 10.09 mW

The product is exempt from SAR Evaluation/Testing because the output power of 0.6902 mW is below the exemption limit of 10.09 mW.

### 3.4 Transmitter Radiated Emissions in Restricted Bands

FCC Rules: 15.247 (d), 15.205, 15.209, 15.35
Radiated emission measurements were performed from 30 MHz to 26500 MHz.
For radiated emission tests, the analyzer setting was as followings:

Frequency ≦ 1 GHz, RBW:100 kHz, VBW: 100 kHz (Peak measurements)
Frequency ＞1 GHz, RBW: 1 MHz, VBW: 1 MHz (Peak measurements)
Frequency ＞1 GHz , RBW:1 MHz , VBW: 10 Hz (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 | 500 | 54.0 |

For frequencies above 1GHz (Average measurements).

Guidance on Measurement of Digit Transmission Systems:
“If the emission is pulsed, modify the unit for continuous operation, use the setting shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation.”

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

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

Note: No duty cycle correction was added to the reading of this EUT.

Explanation: See attached diagrams in Appendix.

## 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))

FCC Rule: 15.247(d), 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 above 1GHz (Peak measurements).
Modified Limit for peak according to 15.35 (b) = Max Permitted average Limits + 20dB

For frequencies above 1GHz (Average measurements).
Max. reading – 20dB

Max. reading – 20 dB
Guidance on Measurement of Digit Transmission 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.”

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

Duty Cycle correction = 20 log (dwell time/100ms)

Note: No duty cycle correction was added to the reading of EUT.

Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021
SAMPLE CALCULATION OF LIMIT. All results will be updated by an automatic measuring system in accordance with 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 and 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 "Correction Factor".

**Summary table with radiated data of the test plots**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model: | GPS 100 | Date: | - - | | | | |
| Mode: | - - | Temperature: | - - | °C | Engineer: | - - | |
| Polarization: | - - | Humidity: | - - | - - | | | |

| Frequency (MHz) | Reading (dBuV) | Detector | Factor (dB) | Result (dBuV/m) | - - | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|---|---|---|---|---|---|---|---|---|
| - - | - - | - - | - - | - - | - - | - - | - - | - - |
| - - | - - | - - | - - | - - | - - | - - | - - | - - |

| Frequency (MHz) | Reading (dBuV) Peak | Reading (dBuV) Ave. | Factor (dB) Corr. | Result (dBuV/m) Peak | Result (dBuV/m) Ave. | Limit (dBuV/m) Peak | Limit (dBuV/m) Ave. | Margin (dB) | Table Degree (Deg.) | Ant. High (m) |
|---|---|---|---|---|---|---|---|---|---|---|
| - - | - - | - - | - - | - - | - - | - - | - - | - - | - - | - - |
| - - | - - | - - | - - | - - | - - | - - | - - | - - | - - | - - |
| - - | - - | - - | - - | - - | - - | - - | - - | - - | - - | - - |
| - - | - - | - - | - - | - - | - - | - - | - - | - - | - - | - - |

**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. **After evaluated, the test result in this report adopt the worst case to measure, please see attached diagrams in appendix.**

**TEST RESULT (Transmitter):** The unit DOES meet the FCC requirements.

Test equipment used: ETSTW-RE 030, ETSTW-RE 111, ETSTW-RE 088, ETSTW-RE 018, ETSTW-RE 064

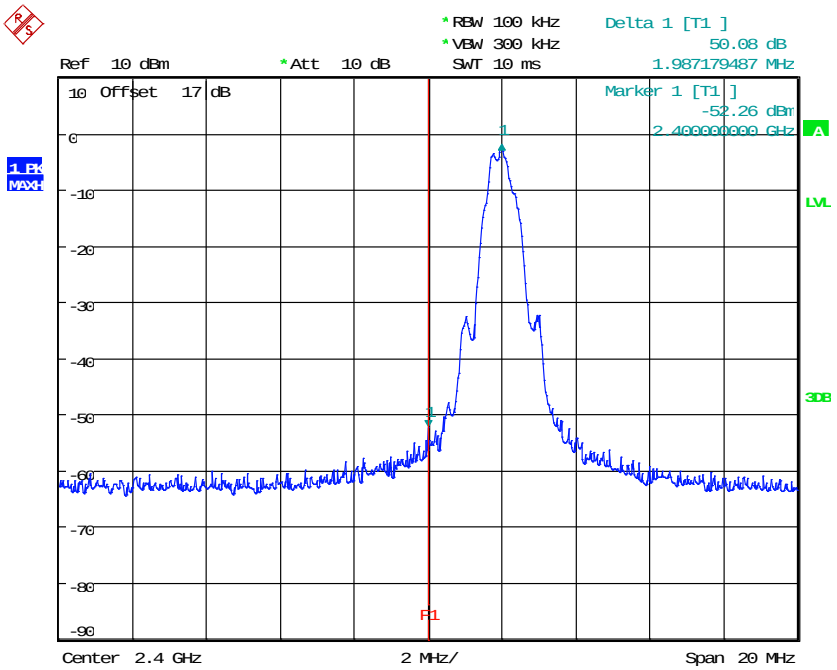
Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021

## 3.6 Radiated Emission on the band edge

According to FCC rules part 15 subpart C §15.247(d) 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.

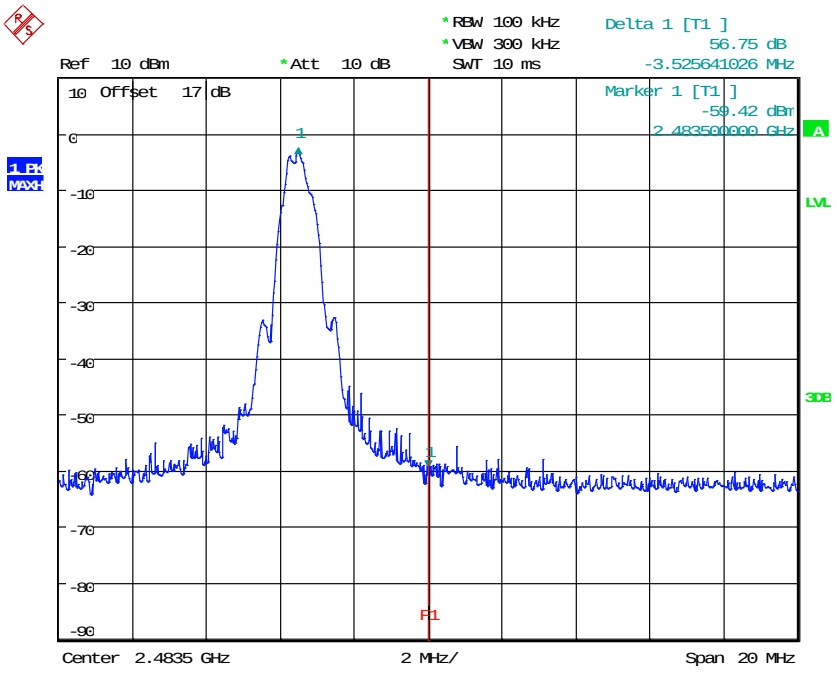
In addition radiated emission which fall in the restricted bands, as defined in section 15.205(a), must also with the radiated emission limits.

Test date: May 26, 2021
Temperature: 23.3 ˚C
Humidity: 51.8 %
Tester: Rick




BANDEDGE BT4.0 CH00
Date: 26.MAY.2021 15:44:45

Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021




BANDEDGE BT4.0 CH39
Date: 26.MAY.2021 15:43:19

Limit:

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

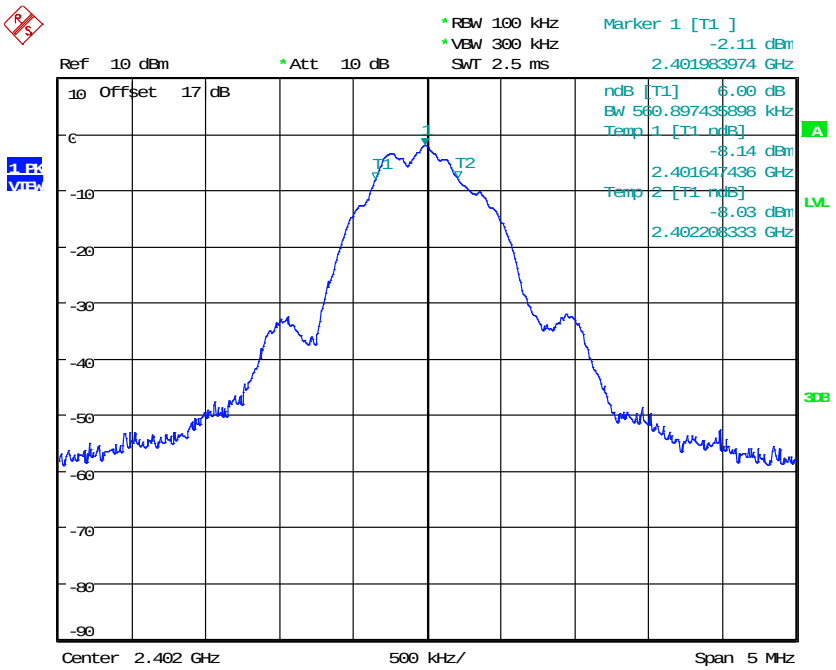
Test equipment used: ETSTW-RE 055, ETSTW-RE 050, ETSTW-RE 064

Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021

## 3.7 Minimum 6 dB Bandwidth

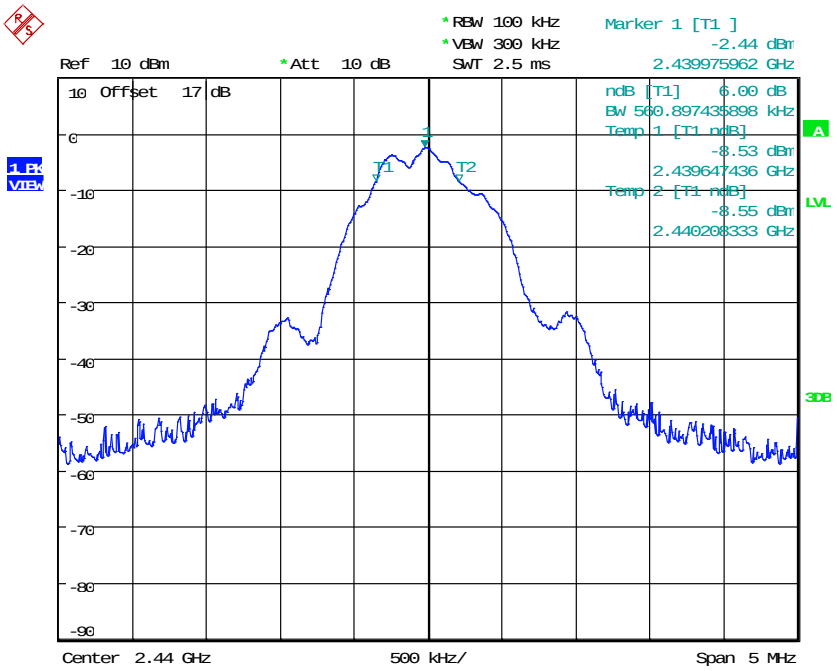
The analyzer ResBW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A PEAK reading was taken, two markers were set 6 dB below the maximum level on the right and the left side of the emission.
The 6 dB bandwidth is the frequency difference between the two markers.

Test date: May 26, 2021
Temperature: 23.3 ˚C
Humidity: 51.8 %
Tester: Rick



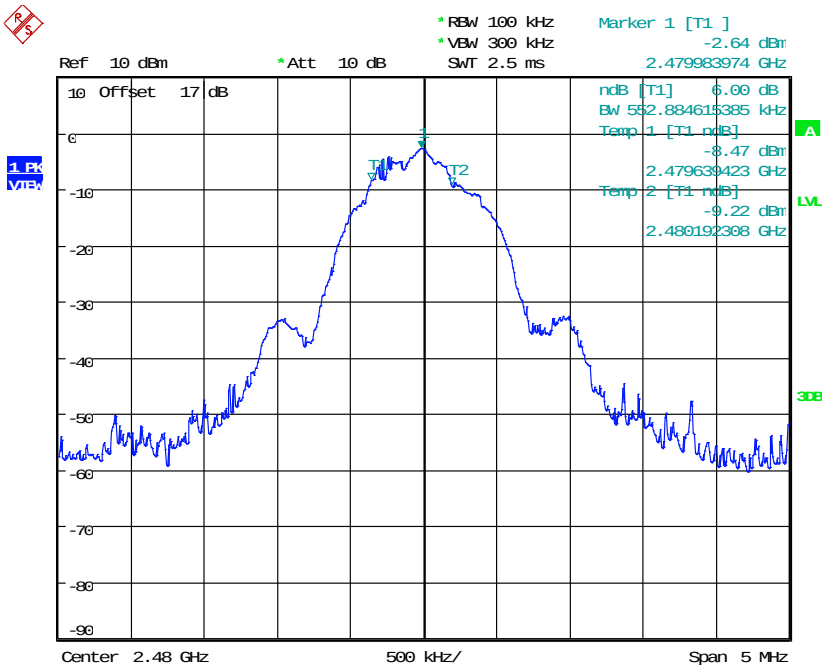

6DB BANDWIDTH BT4.0 CH00
Date: 26.MAY.2021 15:44:27

Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021




6DB BANDWIDTH BT4.0 CH19

Date: 26.MAY.2021 15:41:21




6DB BANDWIDTH BT4.0 CH39

Date: 26.MAY.2021 15:43:01

Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021

**Limits:**

| Frequency Range MHz | **Limits** |
|---|---|
| 902-928 | min 500 kHz |
| 2400-2483.5 | min 500 kHz |
| 5725-5850 | min 500 kHz |

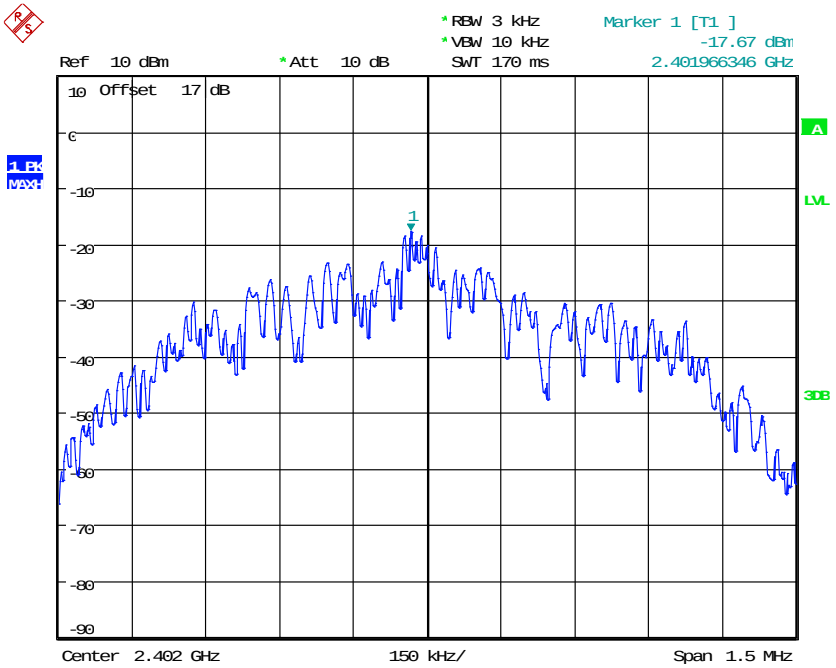
Test equipment used: ETSTW-RE 055, ETSTW-RE 050

Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021

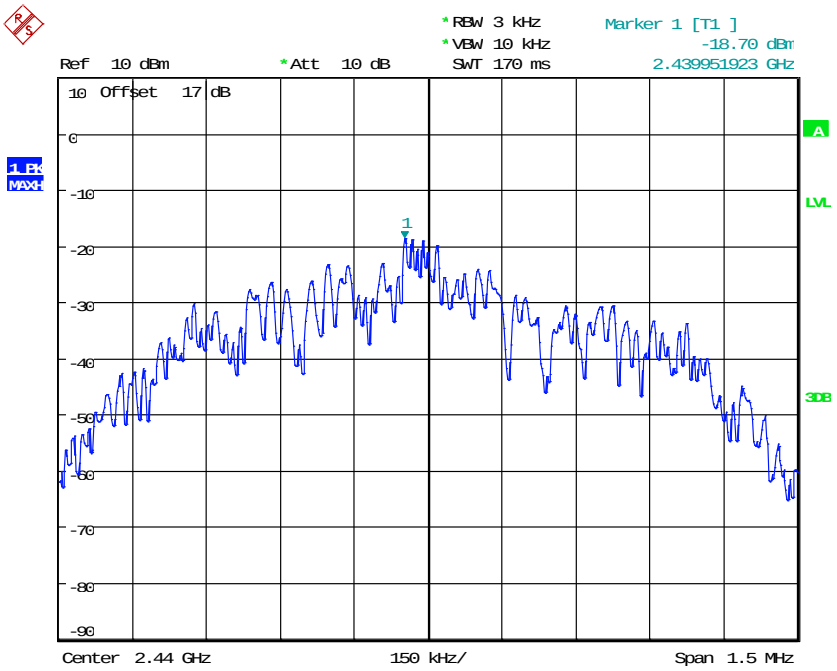
## 3.8 Peak Power Spectral Density

Peak Power Spectral density is a measured at low, middle and high channel.
The peak output power is measured with a measurement bandwidth of 10 MHz and displayed on diagram together with Peak Power Spectral Density result which was measured with a bandwidth of 3 kHz, appreciate frequency span and sweep time.

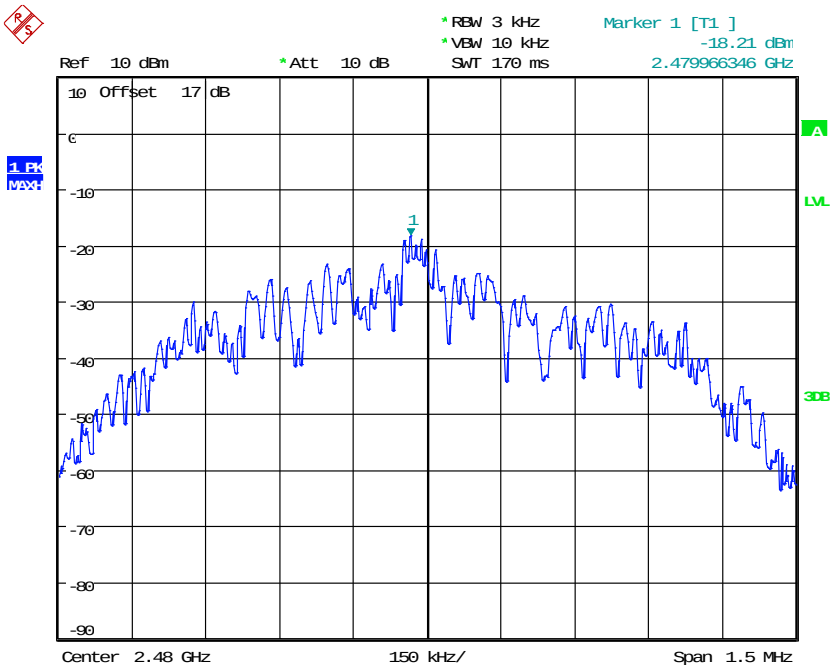
Test date: May 26, 2021
Temperature: 23.3 ˚C
Humidity: 51.8 %
Tester: Rick



Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021




POWER DENSITY BT4.0 CH19
Date: 26.MAY.2021 15:41:31




POWER DENSITY BT4.0 CH39
Date: 26.MAY.2021 15:43:11

Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021

**Limits:**

| Frequency Range MHz | dBm |
|---|---|
| 902-928 | 8 |
| 2400-2483.5 | 8 |
| 5725-5850 | 8 |

Test equipment used: ETSTW-RE 055, ETSTW-RE 050

## 3.9 Radiated Emission from Receiver Part

FCC Rule: 15.109

**Summary table with radiated data of the test plots**

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

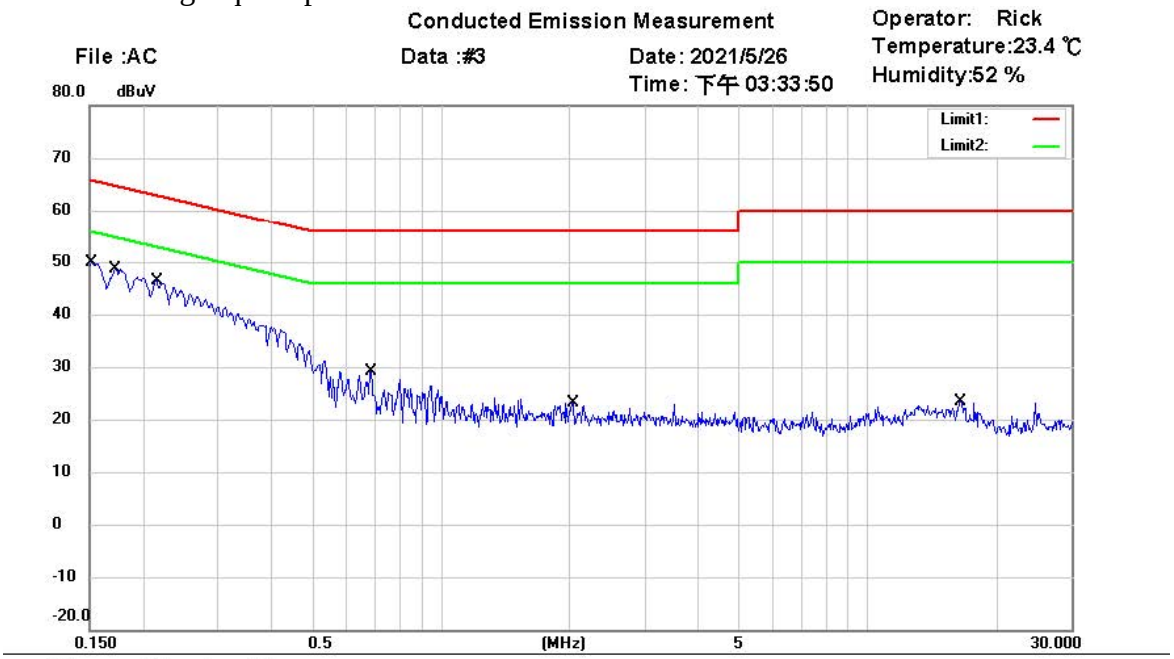
Test equipment used: ETSTW-RE 030, ETSTW-RE 055, ETSTW-RE 064, ETSTW-RE 111

Explanation: Please refer to separated test report no.: W6M22105-20916-P-15B.

## 3.10 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.

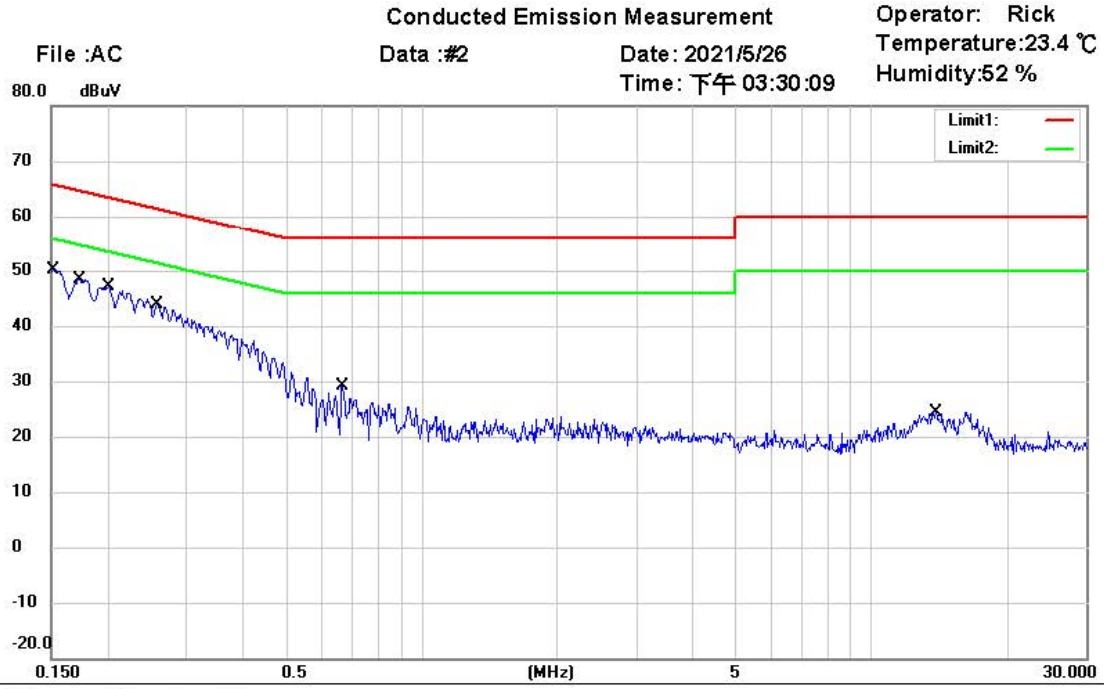
This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.




Site : Chamber_03
Condition : FCC Part 15 Class B Conduction (QP)
Phase: N
EUT : W6M22105-20916
Power : 120Va.c.
M/N:
Test Mode :
Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corrected factor(dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|
| * | 0.1514 | 37.28 | QP | 9.66 | 46.94 | 65.92 | -18.98 | |
| | 0.1514 | 19.84 | AVG | 9.66 | 29.50 | 55.92 | -26.42 | |
| | 0.1720 | 35.37 | QP | 9.65 | 45.02 | 64.86 | -19.84 | |
| | 0.1720 | 15.22 | AVG | 9.65 | 24.87 | 54.86 | -29.99 | |
| | 0.2141 | 32.38 | QP | 9.64 | 42.02 | 63.04 | -21.02 | |
| | 0.2141 | 17.71 | AVG | 9.64 | 27.35 | 53.04 | -25.69 | |
| | 0.6845 | 14.68 | QP | 9.58 | 24.26 | 56.00 | -31.74 | |
| | 0.6845 | -0.24 | AVG | 9.58 | 9.34 | 46.00 | -36.66 | |
| | 2.0233 | 3.94 | QP | 9.47 | 13.41 | 56.00 | -42.59 | |
| | 2.0233 | -4.19 | AVG | 9.47 | 5.28 | 46.00 | -40.72 | |
| | 16.4000 | 4.48 | QP | 10.15 | 14.63 | 60.00 | -45.37 | |
| | 16.4000 | -1.01 | AVG | 10.15 | 9.14 | 50.00 | -40.86 | |

Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021




Site : Chamber_03
Condition : FCC Part 15 Class B Conduction (QP)
Phase: L1
EUT : W6M22105-20916
Power : 120Va.c.
M/N:
Test Mode :
Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corrected factor(dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|
| * | 0.1512 | 37.28 | QP | 9.67 | 46.95 | 65.93 | -18.98 | |
| | 0.1512 | 19.84 | AVG | 9.67 | 29.51 | 55.93 | -26.42 | |
| | 0.1726 | 35.73 | QP | 9.66 | 45.39 | 64.83 | -19.44 | |
| | 0.1726 | 15.91 | AVG | 9.66 | 25.57 | 54.83 | -29.26 | |
| | 0.2002 | 33.86 | QP | 9.65 | 43.51 | 63.60 | -20.09 | |
| | 0.2002 | 13.22 | AVG | 9.65 | 22.87 | 53.60 | -30.73 | |
| | 0.2566 | 29.56 | QP | 9.64 | 39.20 | 61.54 | -22.34 | |
| | 0.2566 | 8.13 | AVG | 9.64 | 17.77 | 51.54 | -33.77 | |
| | 0.6665 | 15.65 | QP | 9.59 | 25.24 | 56.00 | -30.76 | |
| | 0.6665 | 1.08 | AVG | 9.59 | 10.67 | 46.00 | -35.33 | |
| | 13.8750 | 7.50 | QP | 10.01 | 17.51 | 60.00 | -42.49 | |
| | 13.8750 | 0.69 | AVG | 10.01 | 10.70 | 50.00 | -39.30 | |

**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 Line, Down Line: Ave Limit Line.**

Registration number: W6M22105-20916-C-1
FCC ID: 2AH2PGPS10021

**Limits:**

| Frequency of Emission (MHz) | 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 |

Test equipment used: ETSTW-CE 001, ETSTW-CE 016, ETSTW-RE 045.

# Appendix

## Measurement diagrams

Spurious Emissions radiated

TX

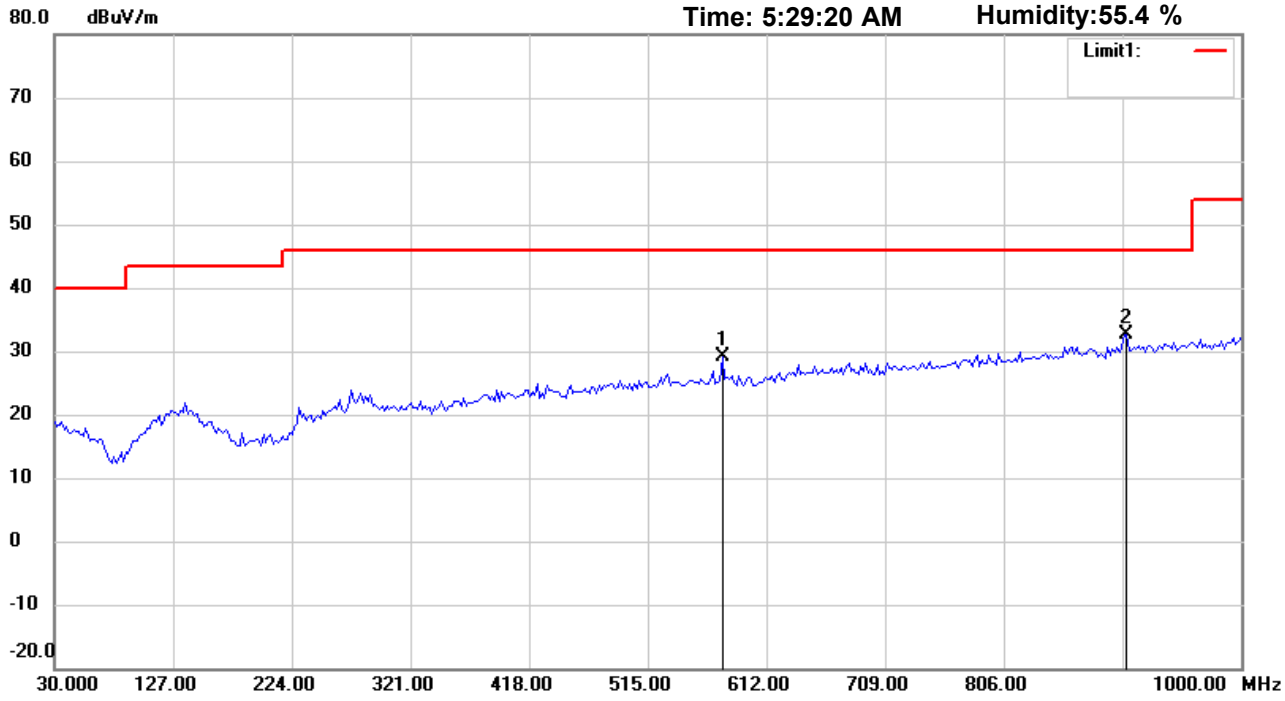
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :1_BLE_TX  Data :#1  Date: 5/29/2021  Time: 5:29:20 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber
Condition : FCC_part 15 RE-Class C_30-1000MHz
EUT : W6M22105-20916
M/N:
Test Mode : TX 2402MHz
Note :

Polarization: *Horizontal*
Power : 3.7 Vd.c.
Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| | 576.2324 | 31.23 | peak | -2.09 | 29.14 | 46.00 | 107 | 158 | -16.86 | |
| * | 906.6933 | 28.94 | peak | 3.71 | 32.65 | 46.00 | 100 | 330 | -13.35 | |

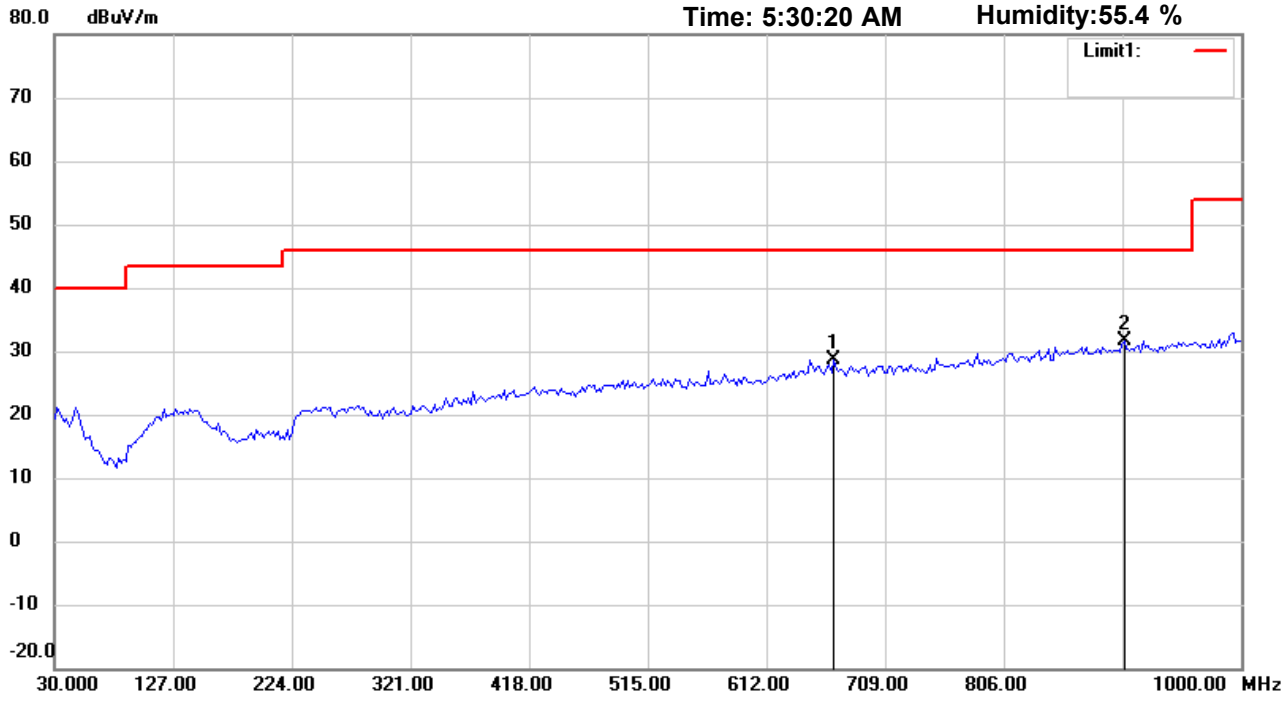
*:Maximum data  x:Over limit  !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :1_BLE_TX | Data :#2 | Date: 5/29/2021 | Time: 5:30:20 AM | Temperature:29.5 ℃ | Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| | 667.5952 | 28.81 | peak | -0.21 | 28.60 | 46.00 | 100 | 76 | -17.40 | |
| * | 904.7495 | 27.99 | peak | 3.68 | 31.67 | 46.00 | 100 | 250 | -14.33 | |

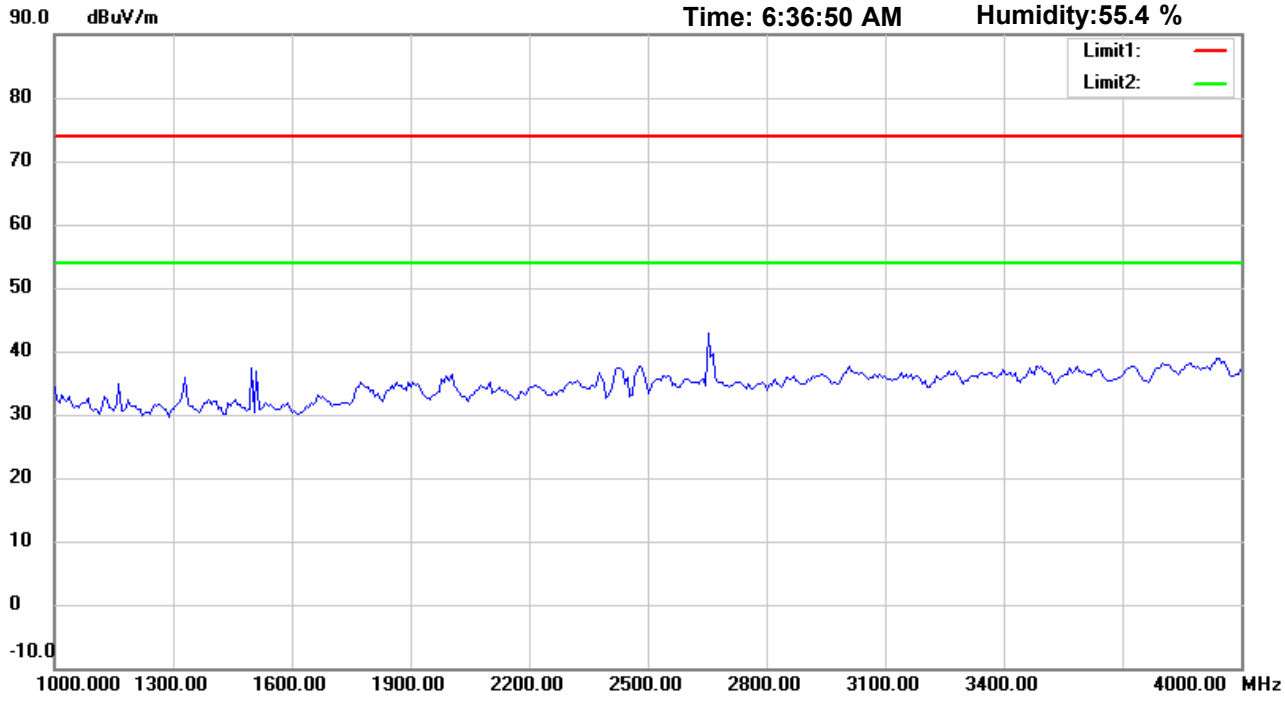
*:Maximum data x:Over limit !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 | Data :#1 | Date: 5/29/2021 | Time: 6:36:50 AM | Temperature:29.5 ℃ | Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

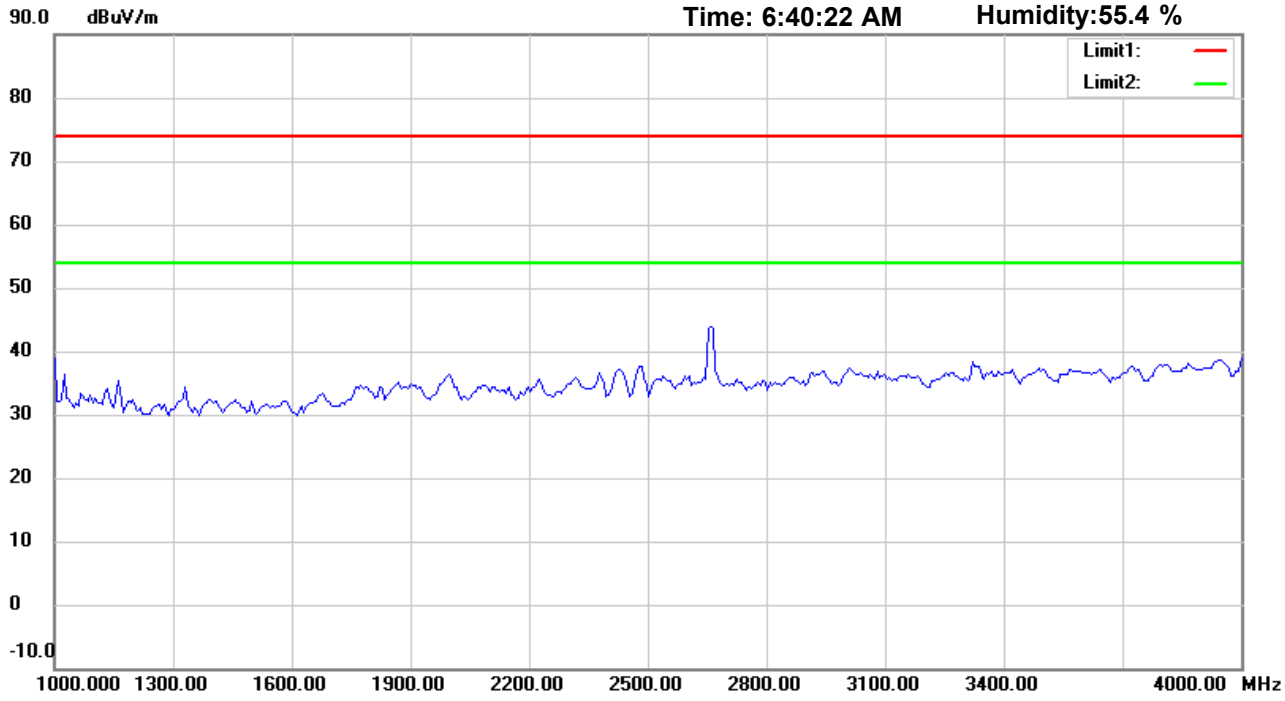
*:Maximum data x:Over limit !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 | Data :#6 | Date: 5/29/2021 | Time: 6:40:22 AM | Temperature:29.5 ℃ | Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

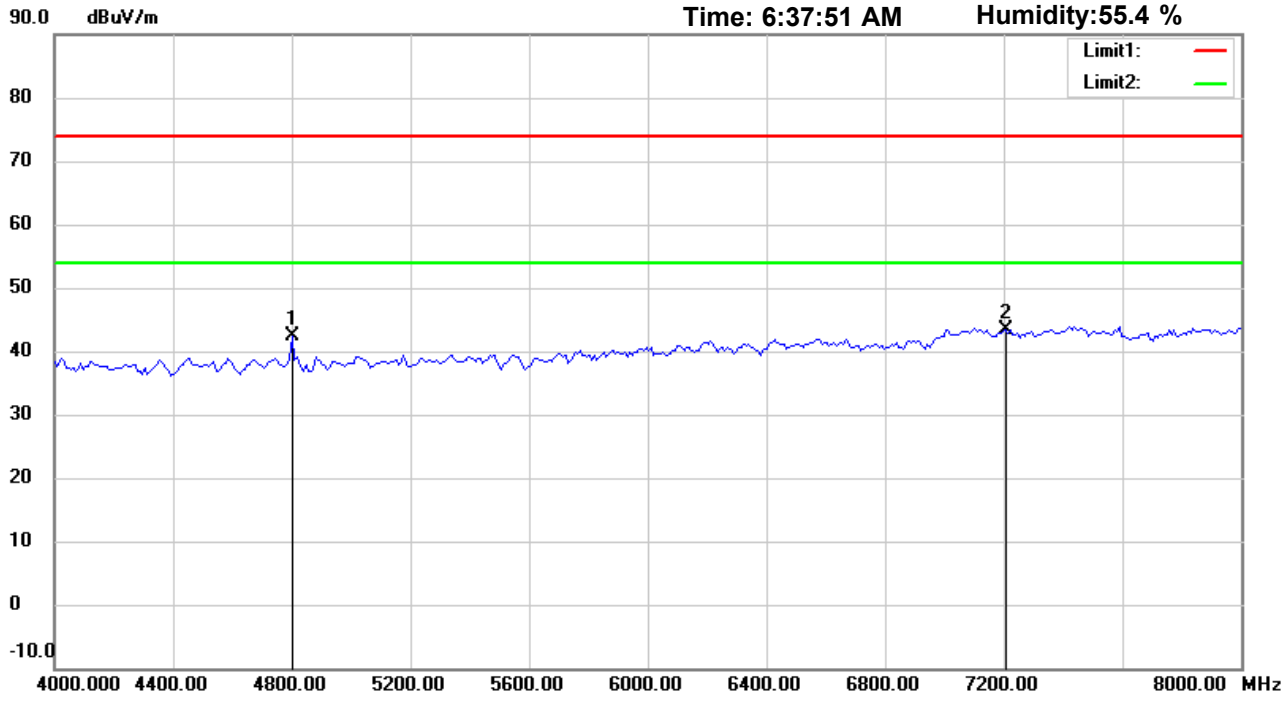
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 5/29/2021 Time: 6:37:51 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| | 4801.603 | 44.02 | peak | -1.76 | 42.26 | 74.00 | 150 | 39 | -31.74 | |
| * | 7206.000 | 40.15 | peak | 3.12 | 43.27 | 74.00 | 150 | 168 | -30.73 | |

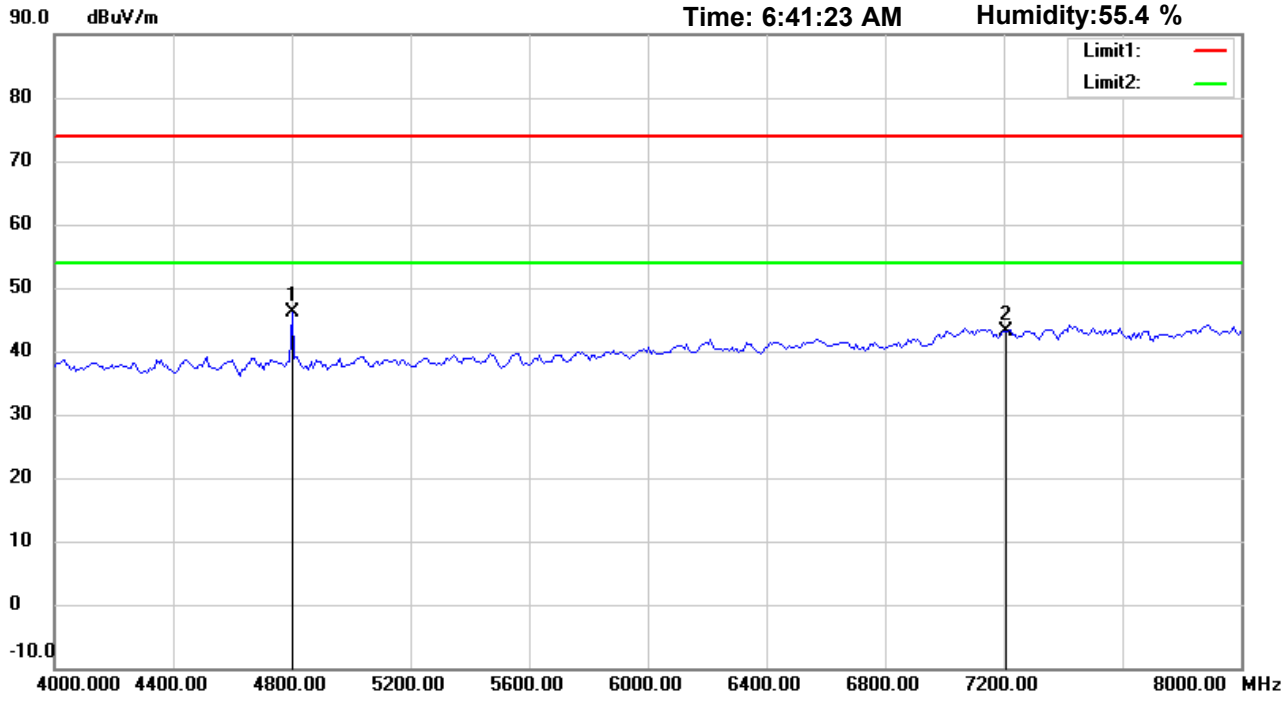
*:Maximum data x:Over limit !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 | Data :#7 | Date: 5/29/2021 | Time: 6:41:23 AM | Temperature:29.5 ℃ | Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 4801.603 | 47.98 | peak | -1.76 | 46.22 | 74.00 | 150 | 0 | -27.78 | |
| | 7206.000 | 39.91 | peak | 3.12 | 43.03 | 74.00 | 150 | 100 | -30.97 | |

*:Maximum data x:Over limit !:over margin

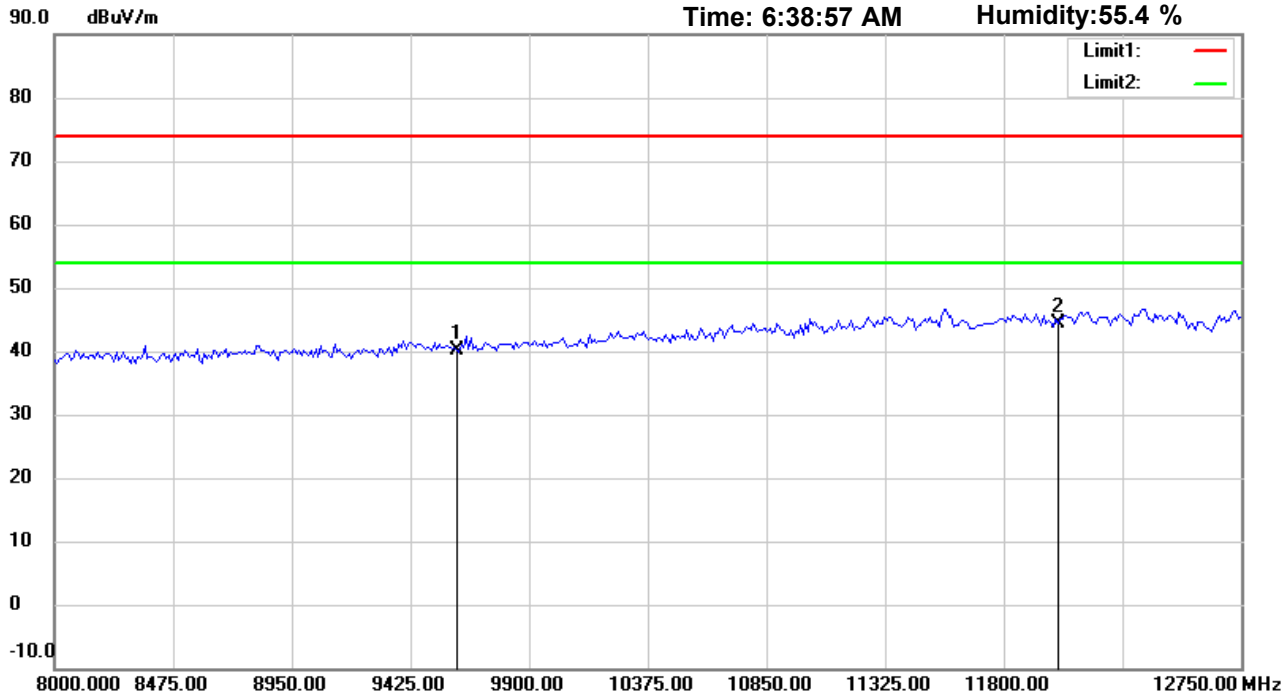
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 5/29/2021 Time: 6:38:57 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9608.000 | 33.29 | peak | 6.79 | 40.08 | 74.00 | 150 | 40 | -33.92 | |
| * | 12010.000 | 32.64 | peak | 11.69 | 44.33 | 74.00 | 150 | 265 | -29.67 | |

*:Maximum data x:Over limit !:over margin

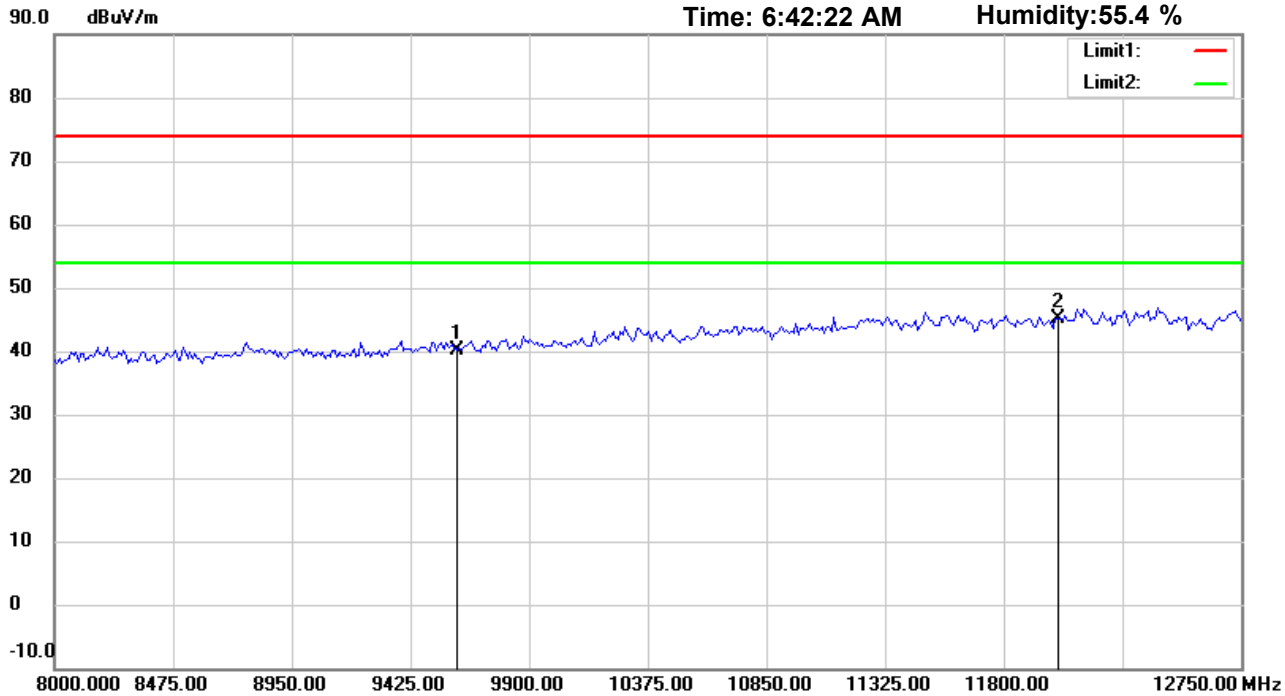
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 5/29/2021 Time: 6:42:22 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9608.000 | 33.42 | peak | 6.79 | 40.21 | 74.00 | 150 | 243 | -33.79 | |
| * | 12010.000 | 33.33 | peak | 11.69 | 45.02 | 74.00 | 150 | 160 | -28.98 | |

*:Maximum data x:Over limit !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
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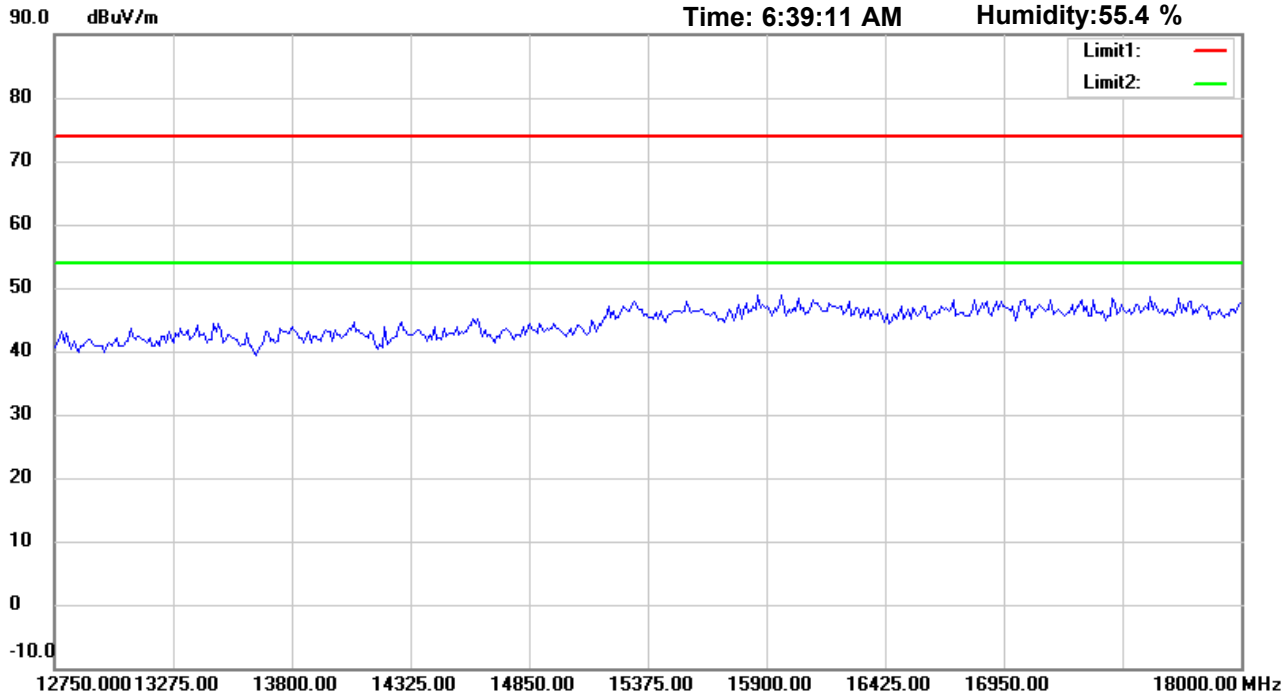
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 5/29/2021 Time: 6:39:11 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
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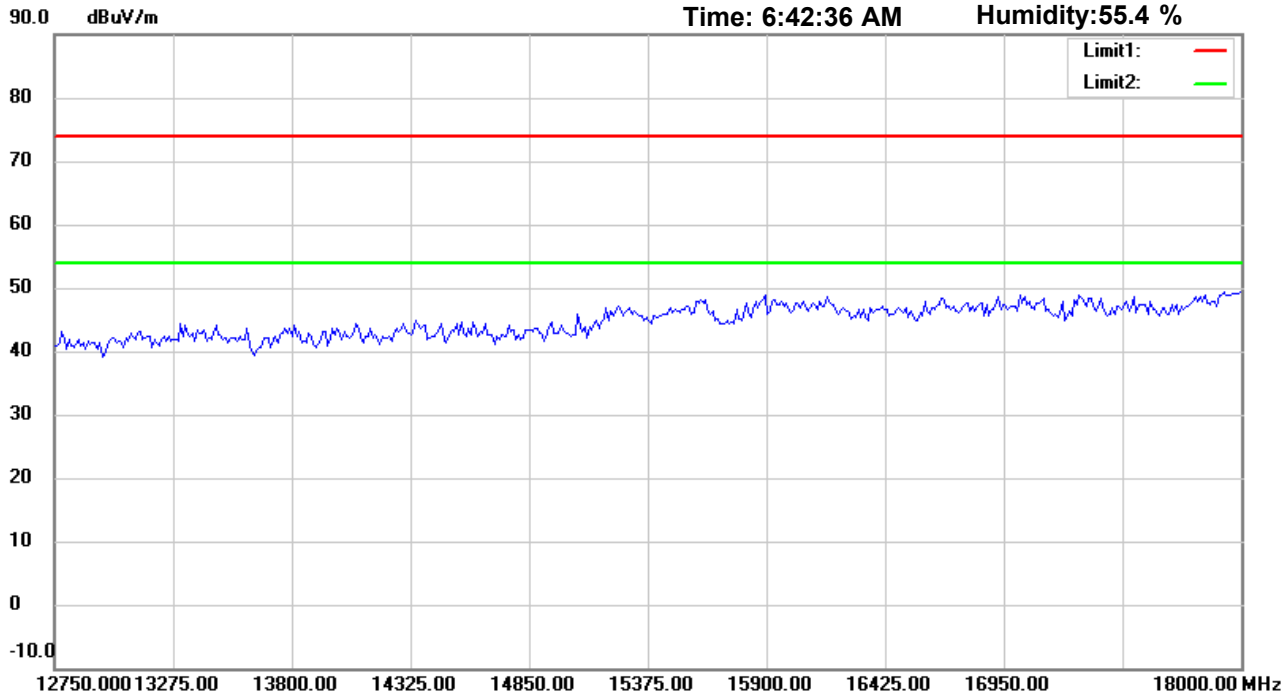
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 5/29/2021 Time: 6:42:36 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22105-20916
M/N:
Test Mode : TX 2402MHz
Note :

Polarization: *Vertical*
Power : 3.7 Vd.c.
Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

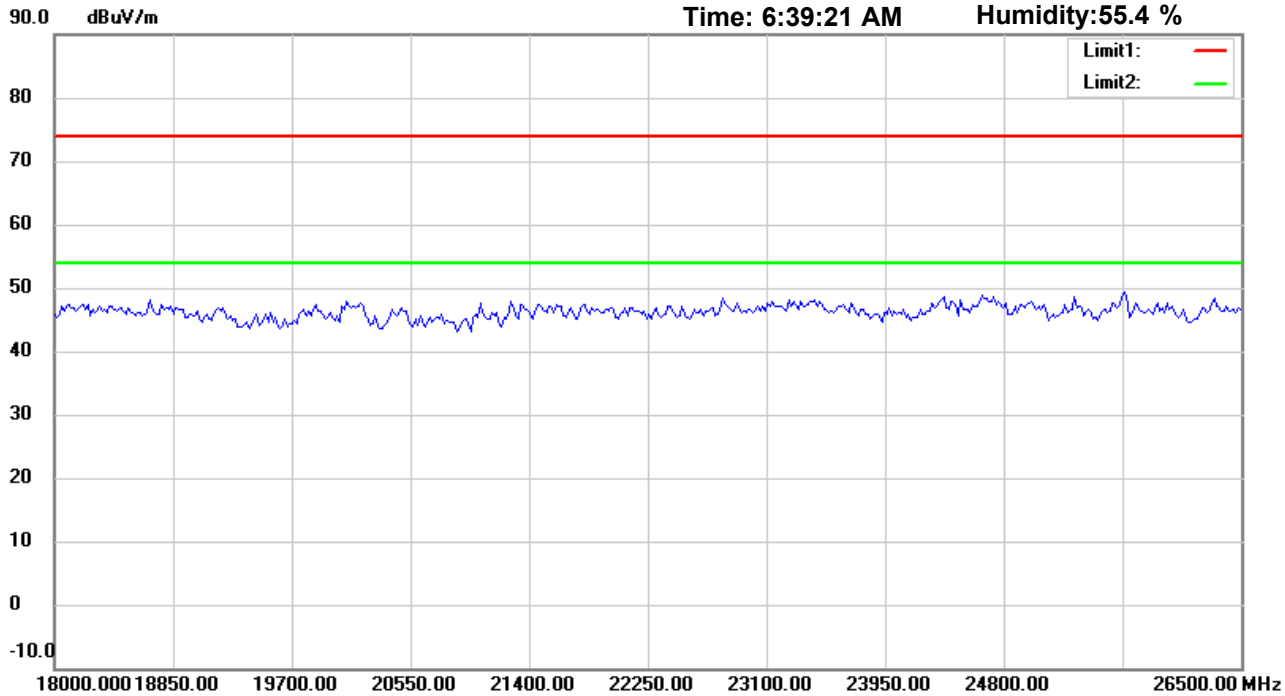
*:Maximum data x:Over limit !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 | Data :#5 | Date: 5/29/2021 | Time: 6:39:21 AM | Temperature:29.5 ℃ | Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
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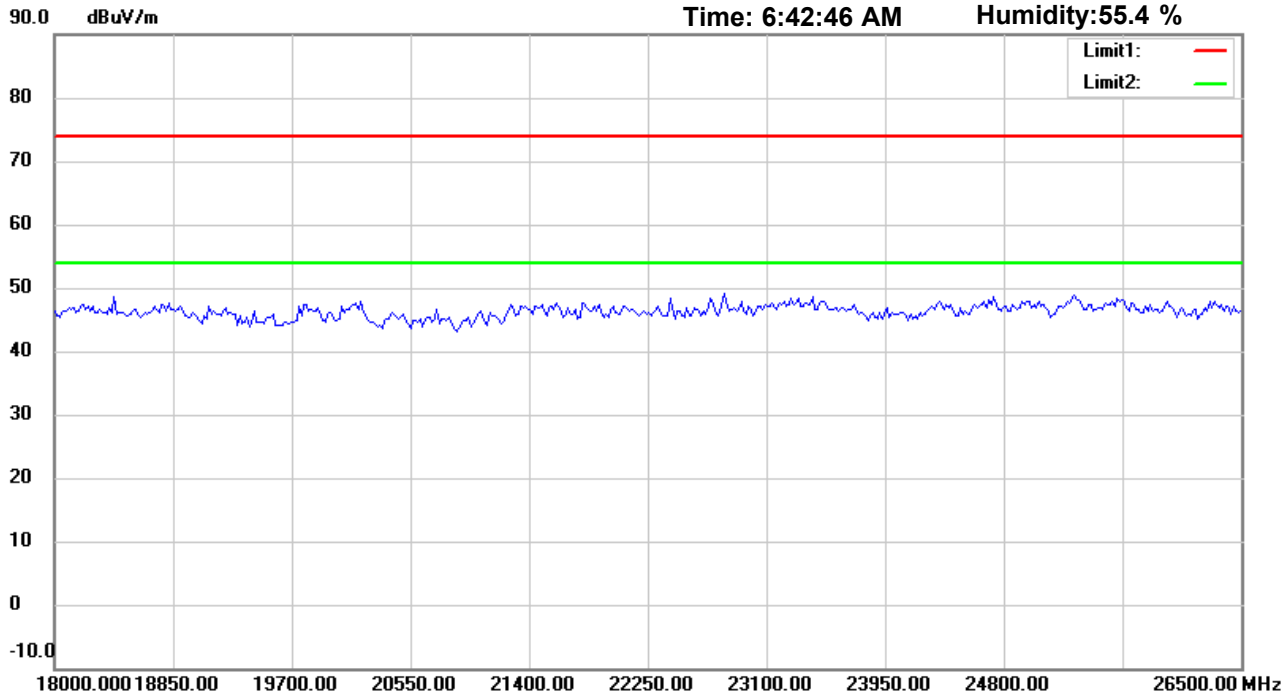
## Radiated Emission Measurement

Operator: Allen

File :3 | Data :#10 | Date: 5/29/2021 | Time: 6:42:46 AM | Temperature:29.5 ℃ | Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
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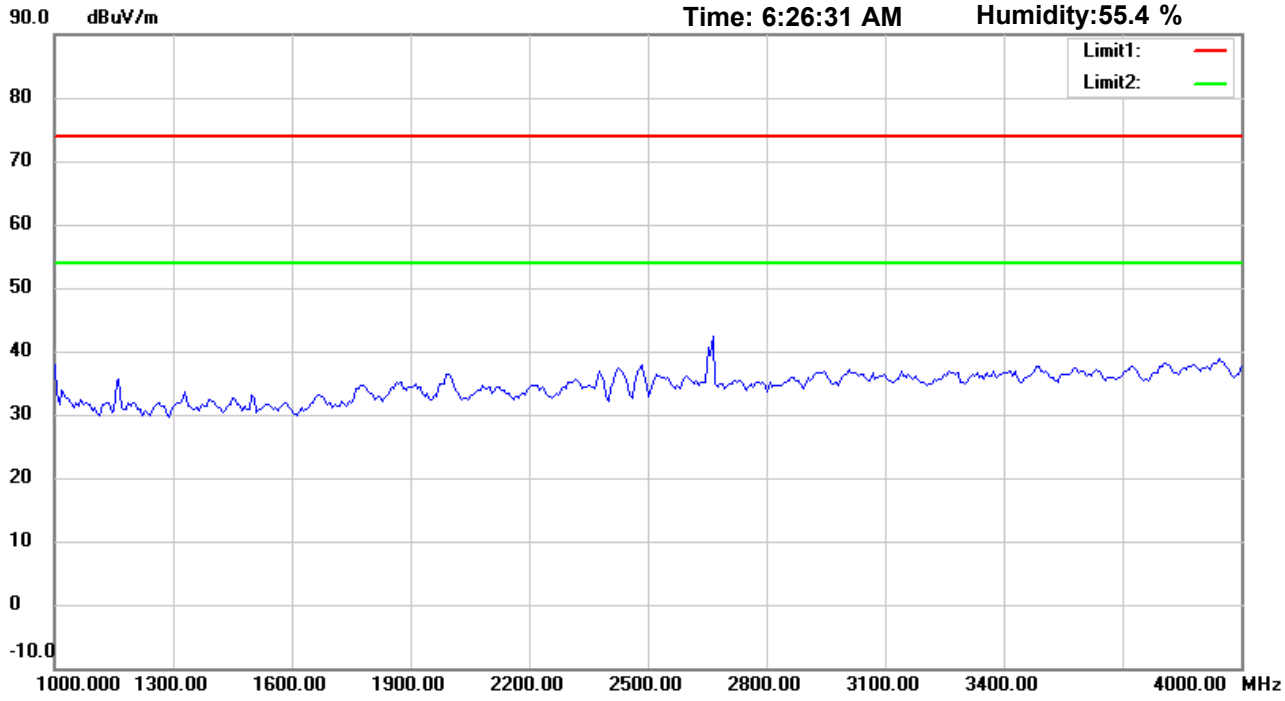
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 5/29/2021 Time: 6:26:31 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22105-20916
M/N:
Test Mode : TX 2440MHz
Note :

Polarization: *Horizontal*
Power : 3.7 Vd.c.
Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

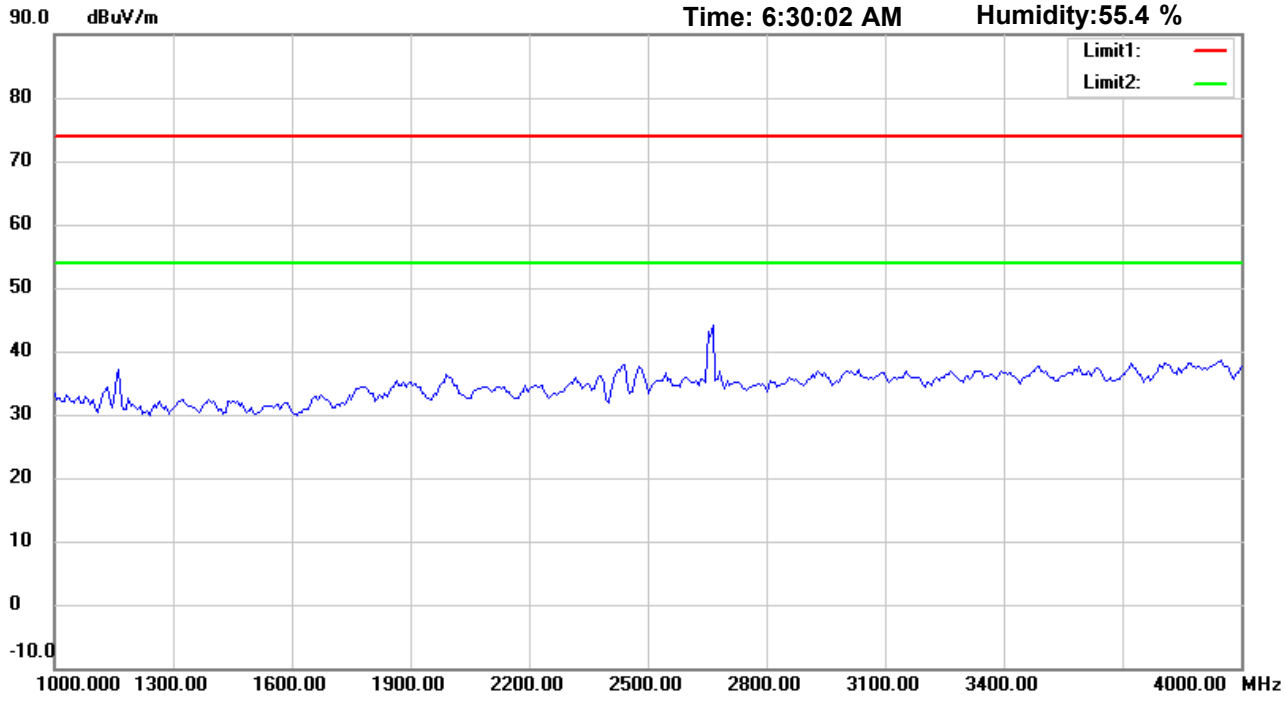
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#6 Date: 5/29/2021 Time: 6:30:02 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
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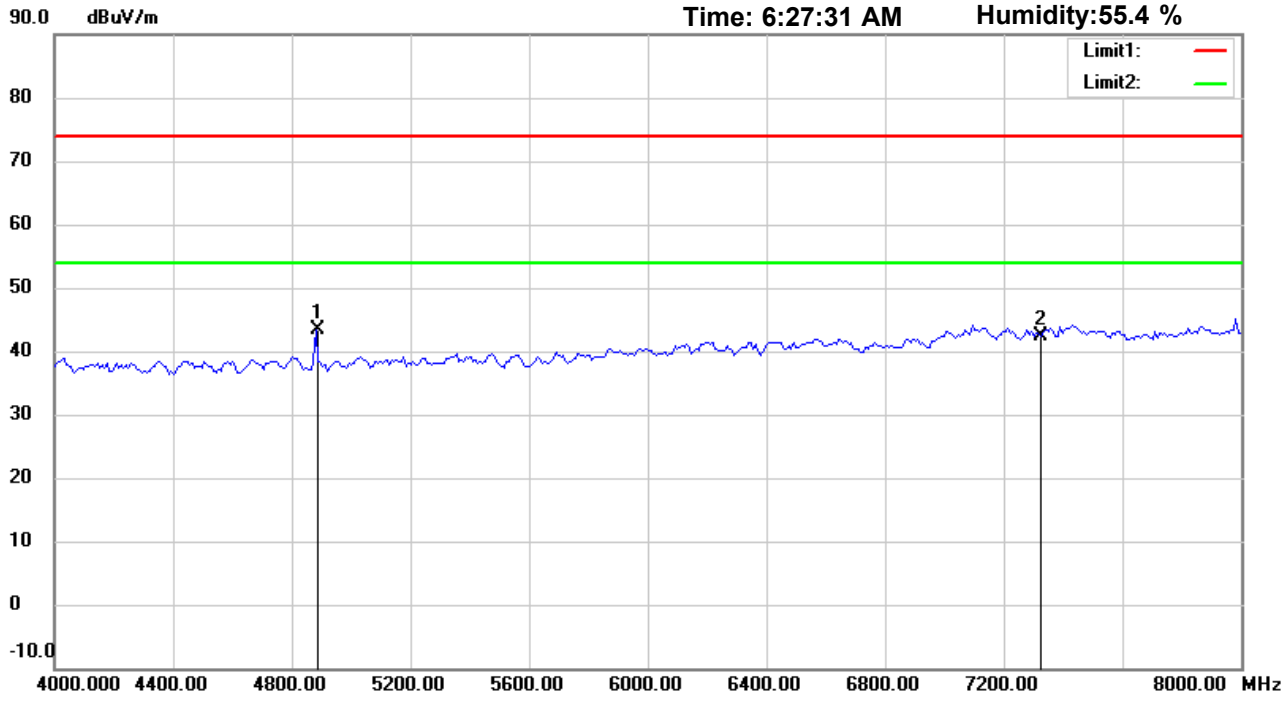
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 5/29/2021 Time: 6:27:31 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 4881.764 | 44.86 | peak | -1.60 | 43.26 | 74.00 | 150 | 220 | -30.74 | |
| | 7320.000 | 38.82 | peak | 3.47 | 42.29 | 74.00 | 150 | 18 | -31.71 | |

*:Maximum data x:Over limit !:over margin

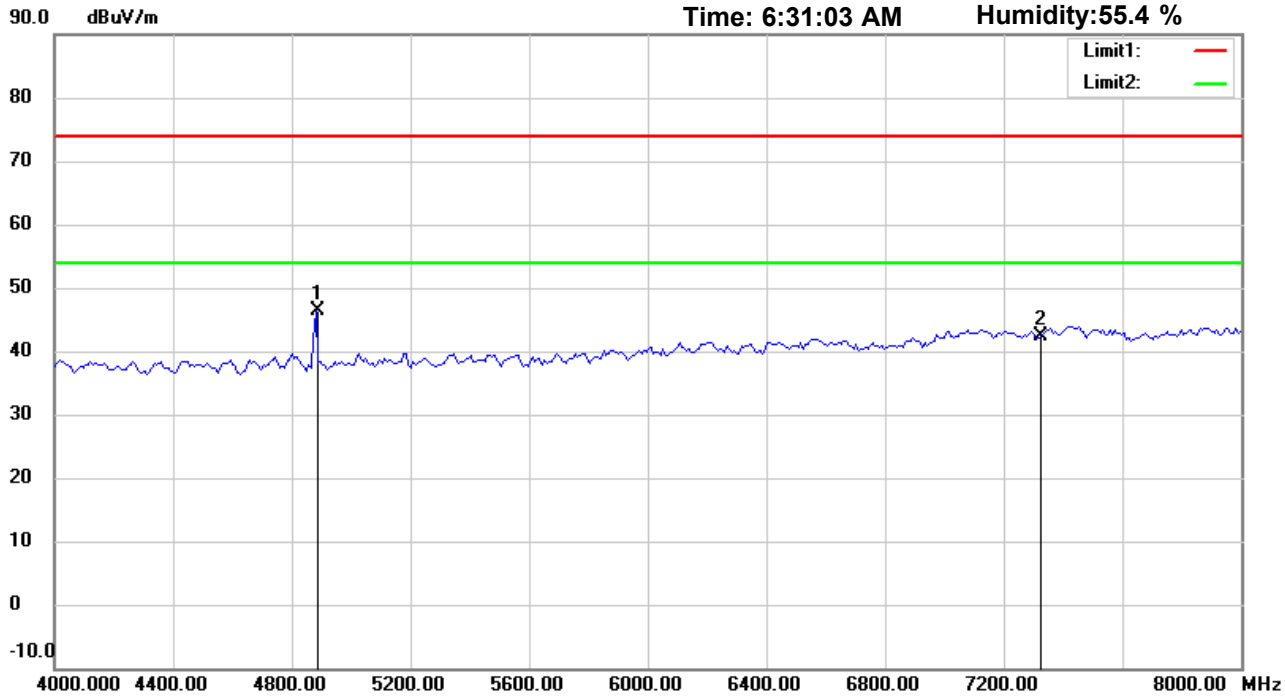
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 5/29/2021 Time: 6:31:03 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 4881.764 | 47.92 | peak | -1.60 | 46.32 | 74.00 | 150 | 280 | -27.68 | |
| | 7320.000 | 38.99 | peak | 3.47 | 42.46 | 74.00 | 150 | 0 | -31.54 | |

*:Maximum data x:Over limit !:over margin

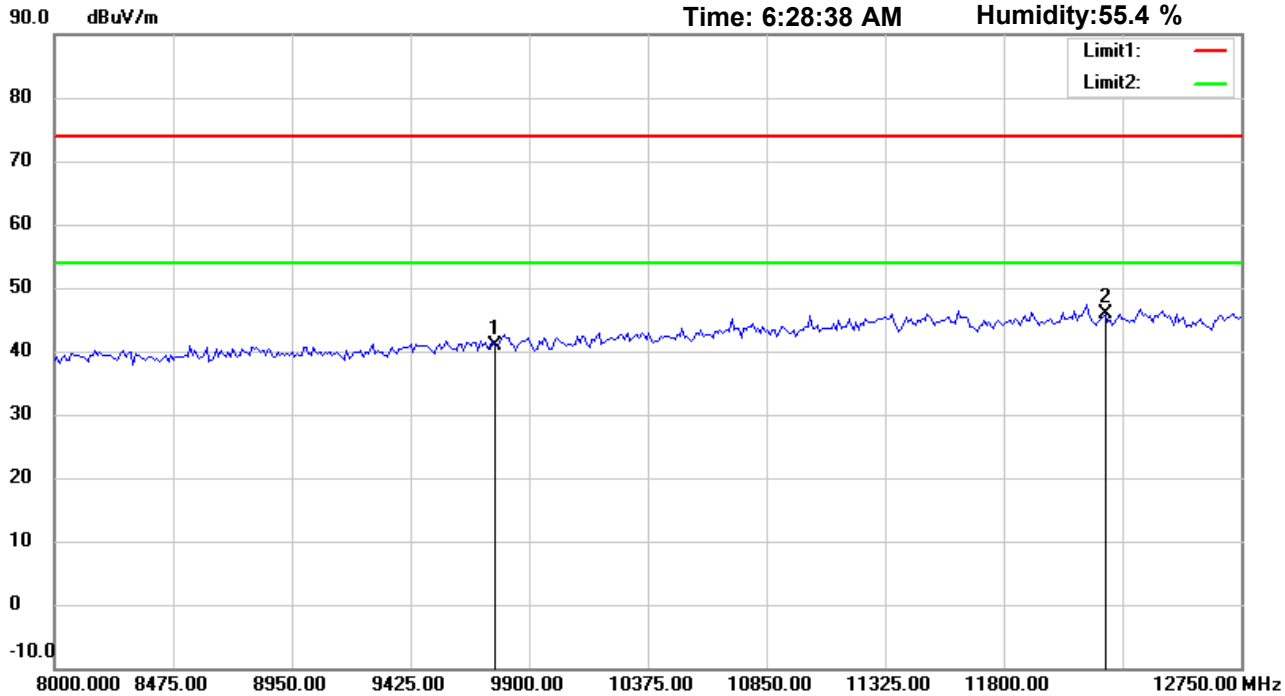
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 5/29/2021 Time: 6:28:38 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9760.000 | 34.18 | peak | 6.74 | 40.92 | 74.00 | 150 | 245 | -33.08 | |
| * | 12200.000 | 32.75 | peak | 13.02 | 45.77 | 74.00 | 150 | 109 | -28.23 | |

*:Maximum data x:Over limit !:over margin

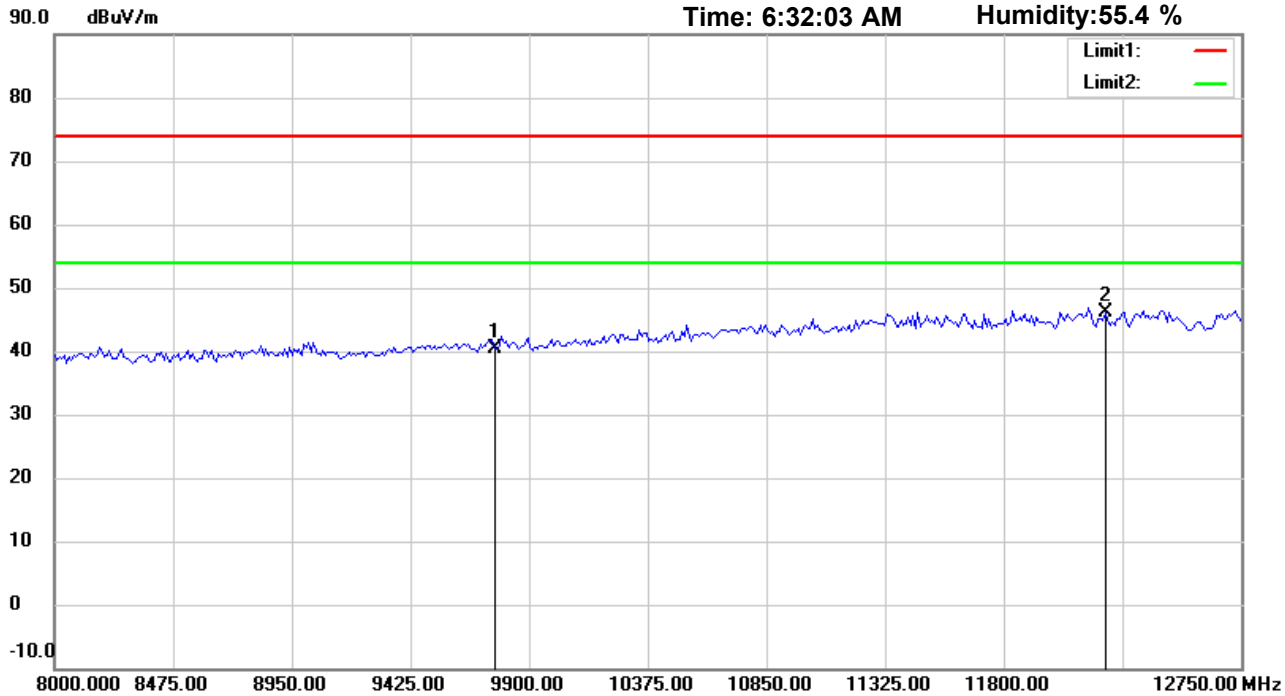
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 5/29/2021 Time: 6:32:03 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9760.000 | 33.56 | peak | 6.74 | 40.30 | 74.00 | 150 | 325 | -33.70 | |
| * | 12200.000 | 33.13 | peak | 13.02 | 46.15 | 74.00 | 150 | 140 | -27.85 | |

*:Maximum data x:Over limit !:over margin

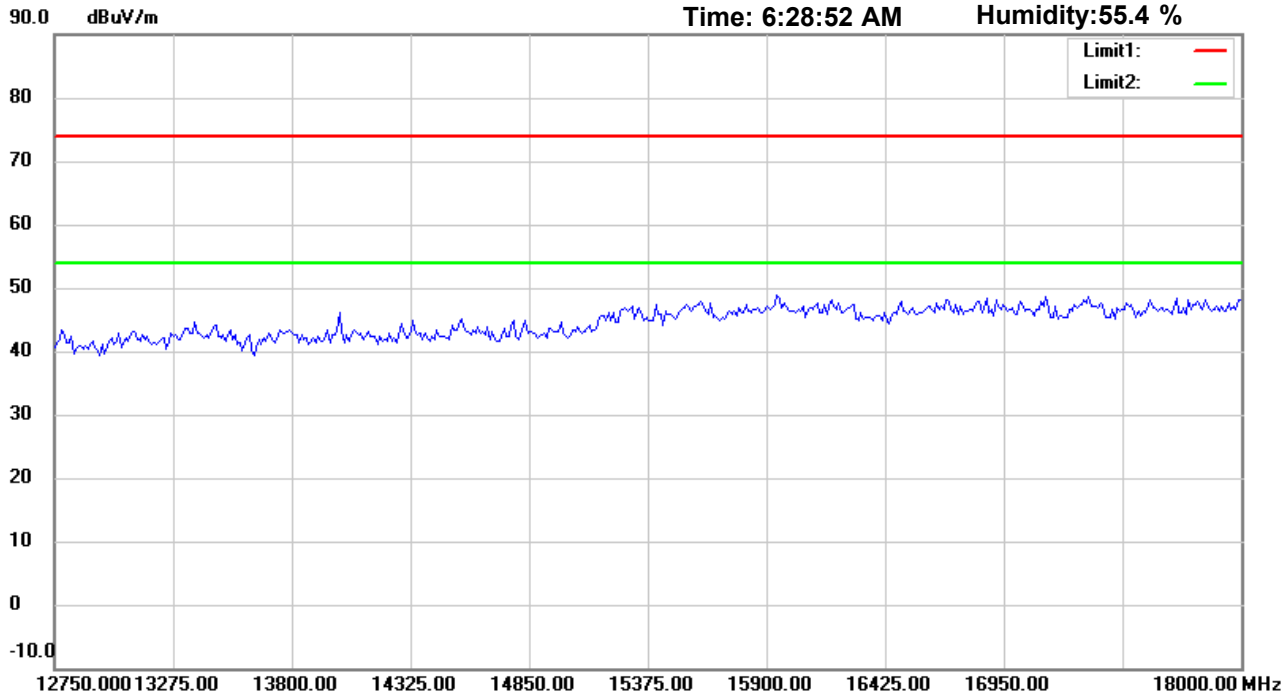
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 5/29/2021 Time: 6:28:52 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
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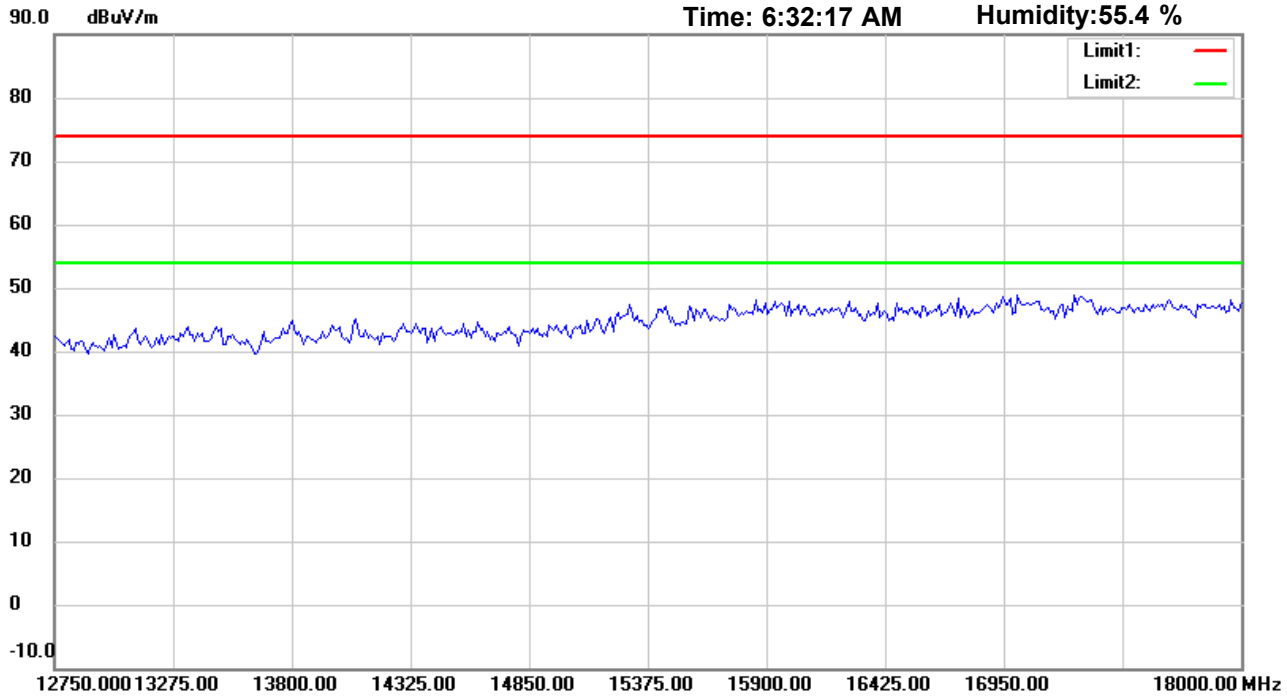
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 5/29/2021 Time: 6:32:17 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

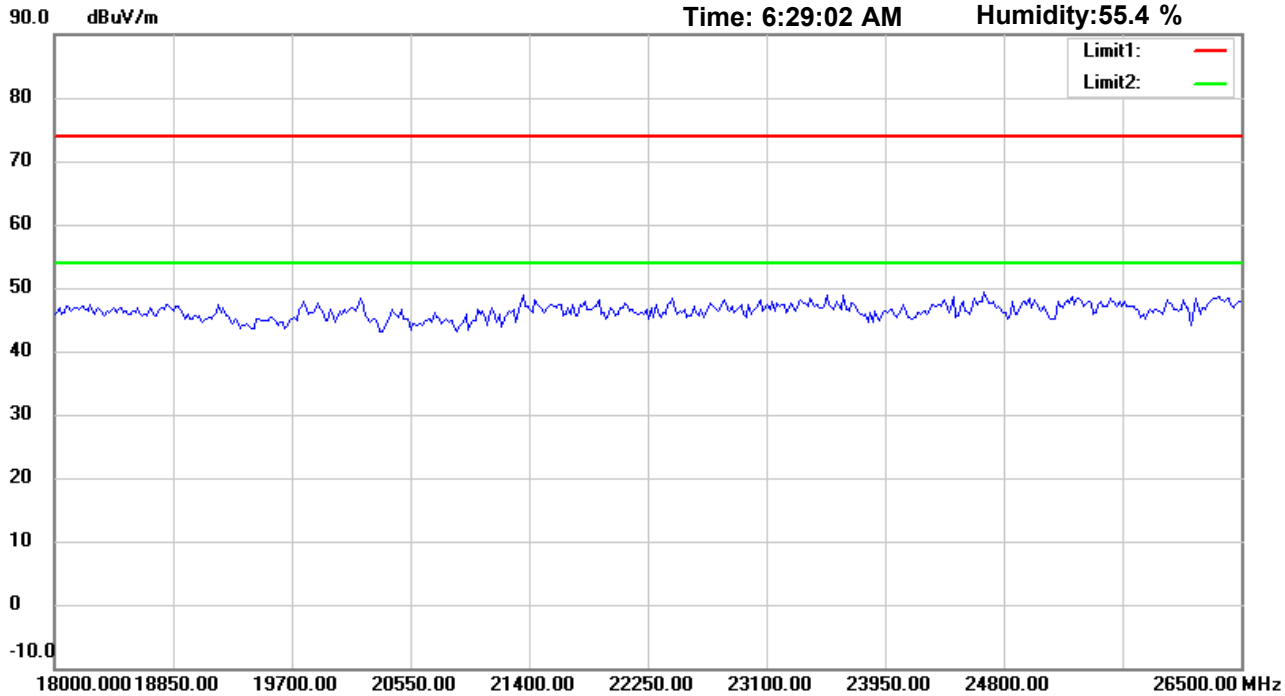
*:Maximum data x:Over limit !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 | Data :#5 | Date: 5/29/2021 | Time: 6:29:02 AM | Temperature:29.5 ℃ | Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
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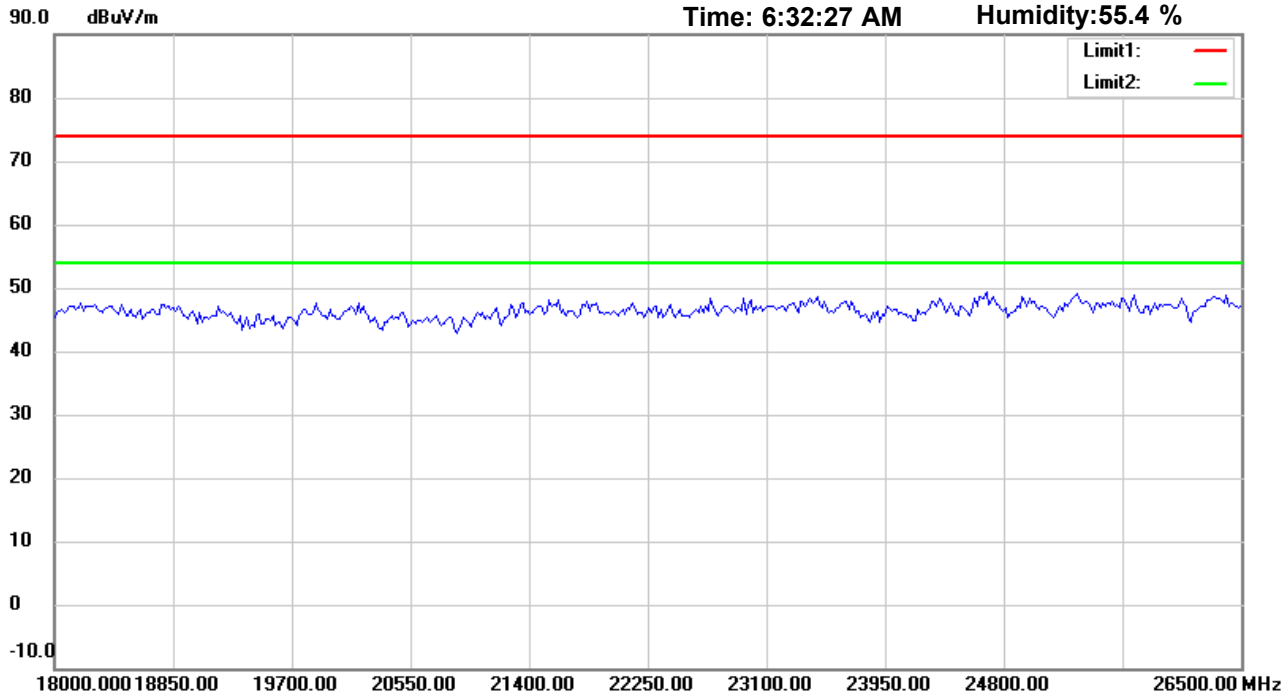
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 | Data :#10 | Date: 5/29/2021 | Time: 6:32:27 AM | Temperature:29.5 ℃ | Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

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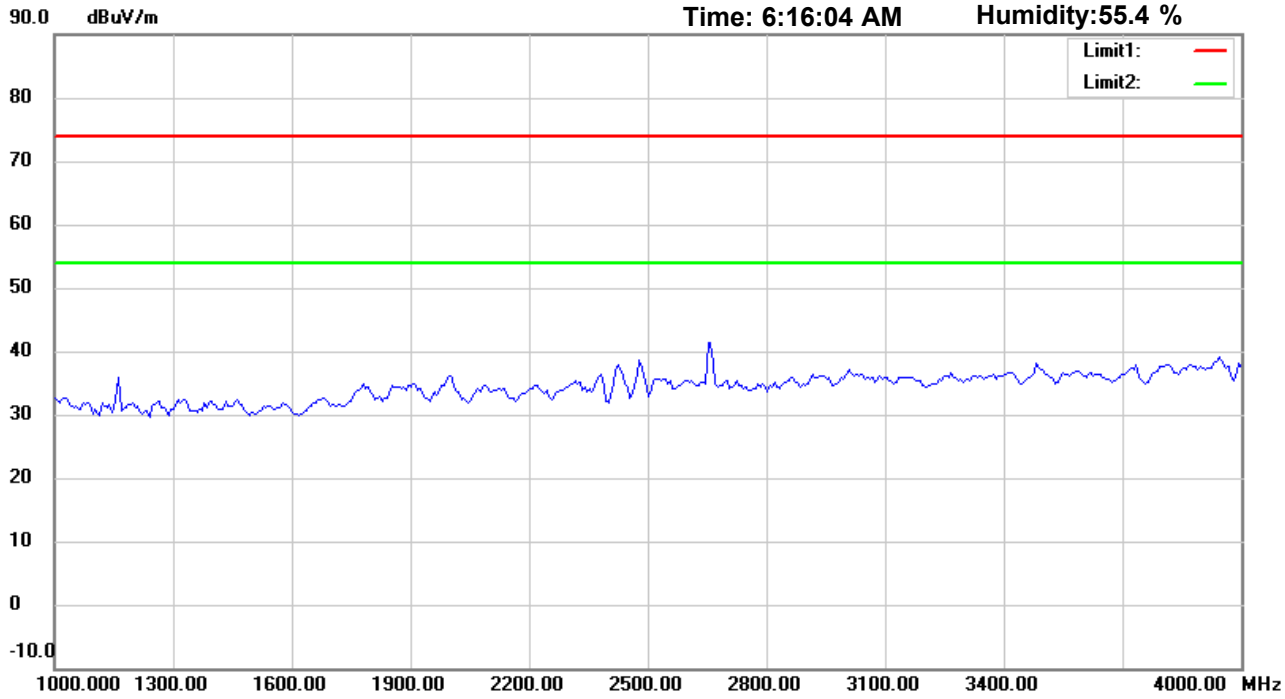
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#1 Date: 5/29/2021 Time: 6:16:04 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22105-20916
M/N:
Test Mode : TX 2480MHz
Note :

Polarization: *Horizontal*
Power : 3.7 Vd.c.
Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

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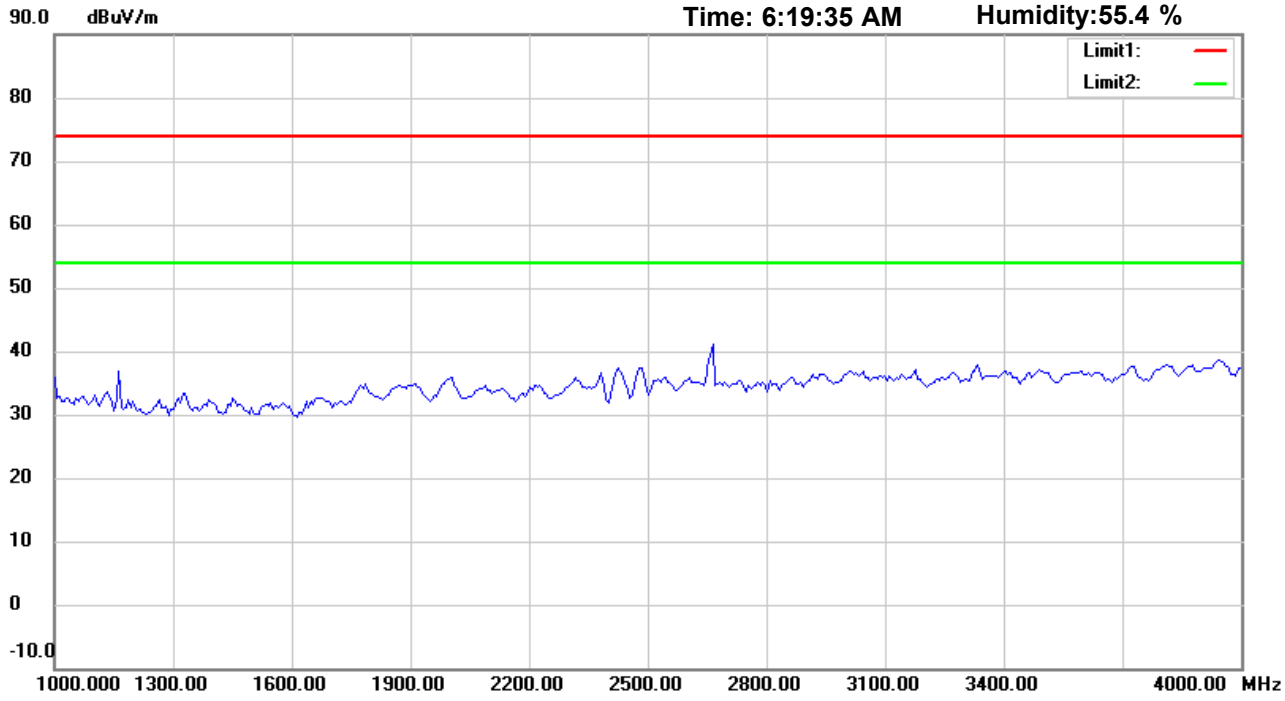
Fax:+886-2-6606-8879

## Radiated Emission Measurement

Operator: Allen

File :3 | Data :#6 | Date: 5/29/2021 | Time: 6:19:35 AM | Temperature:29.5 ℃ | Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

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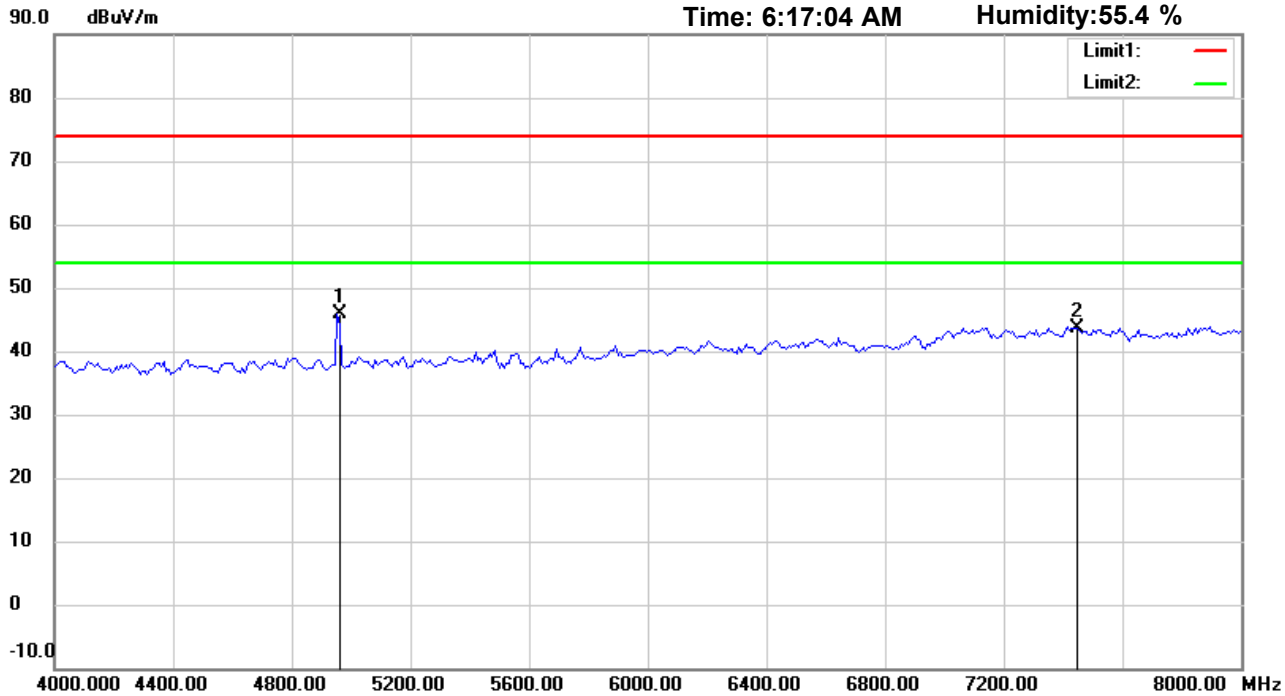
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#2 Date: 5/29/2021 Time: 6:17:04 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 4953.908 | 47.11 | peak | -1.32 | 45.79 | 74.00 | 150 | 88 | -28.21 | |
| | 7440.000 | 39.74 | peak | 3.92 | 43.66 | 74.00 | 150 | 145 | -30.34 | |

*:Maximum data x:Over limit !:over margin

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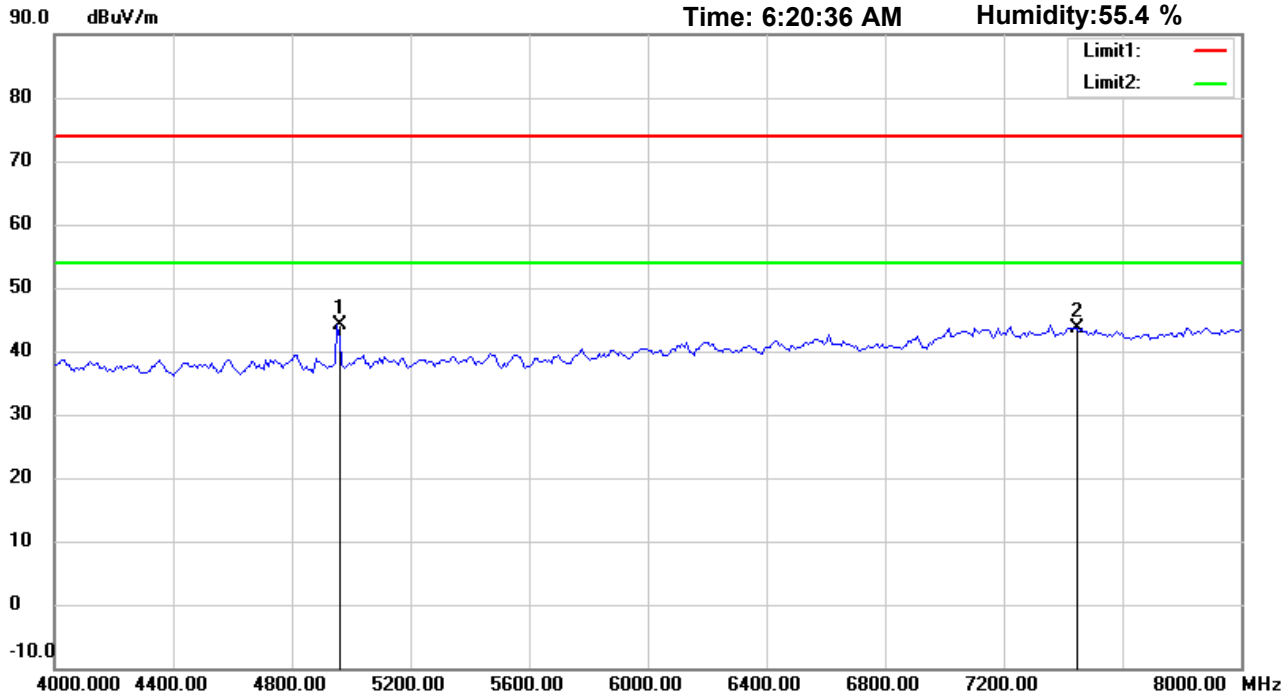
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#7 Date: 5/29/2021 Time: 6:20:36 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| * | 4953.908 | 45.36 | peak | -1.32 | 44.04 | 74.00 | 150 | 90 | -29.96 | |
| | 7440.000 | 39.77 | peak | 3.92 | 43.69 | 74.00 | 150 | 300 | -30.31 | |

*:Maximum data x:Over limit !:over margin

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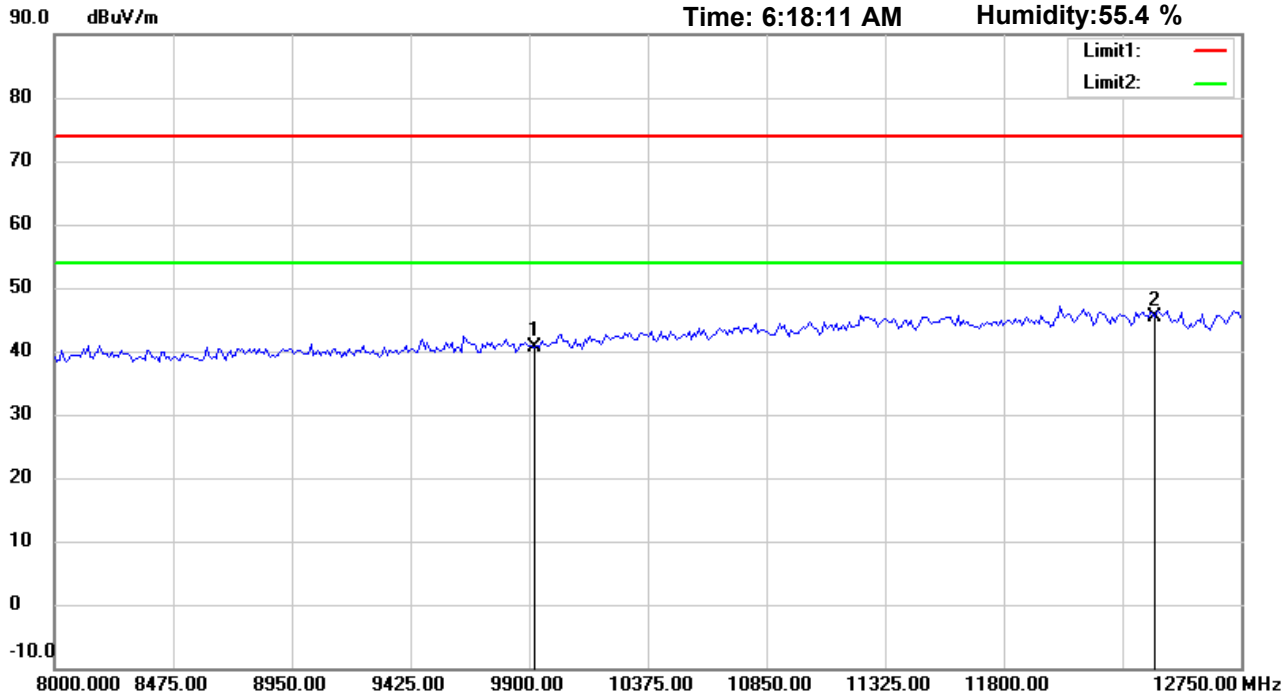
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#3 Date: 5/29/2021 Time: 6:18:11 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9920.000 | 33.58 | peak | 7.03 | 40.61 | 74.00 | 150 | 89 | -33.39 | |
| * | 12400.000 | 32.57 | peak | 12.91 | 45.48 | 74.00 | 150 | 252 | -28.52 | |

*:Maximum data x:Over limit !:over margin

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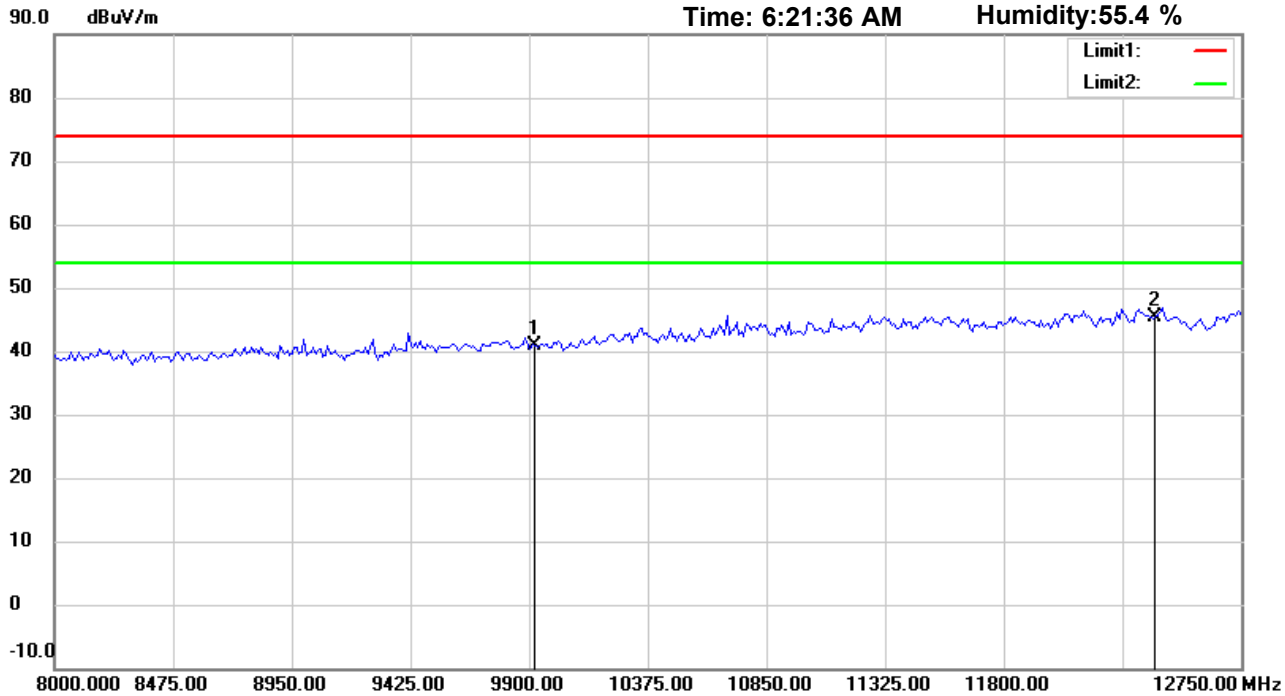
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#8 Date: 5/29/2021 Time: 6:21:36 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9920.000 | 33.79 | peak | 7.03 | 40.82 | 74.00 | 150 | 238 | -33.18 | |
| * | 12400.000 | 32.54 | peak | 12.91 | 45.45 | 74.00 | 150 | 75 | -28.55 | |

*:Maximum data x:Over limit !:over margin

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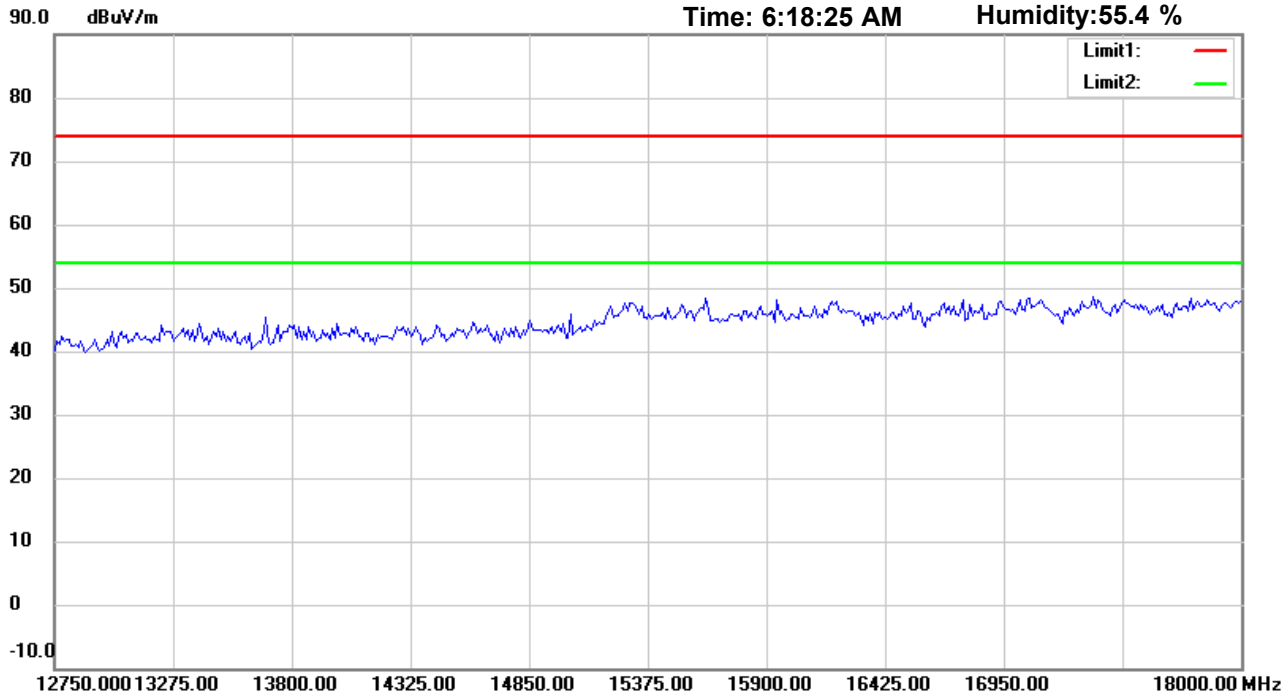
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#4 Date: 5/29/2021 Time: 6:18:25 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

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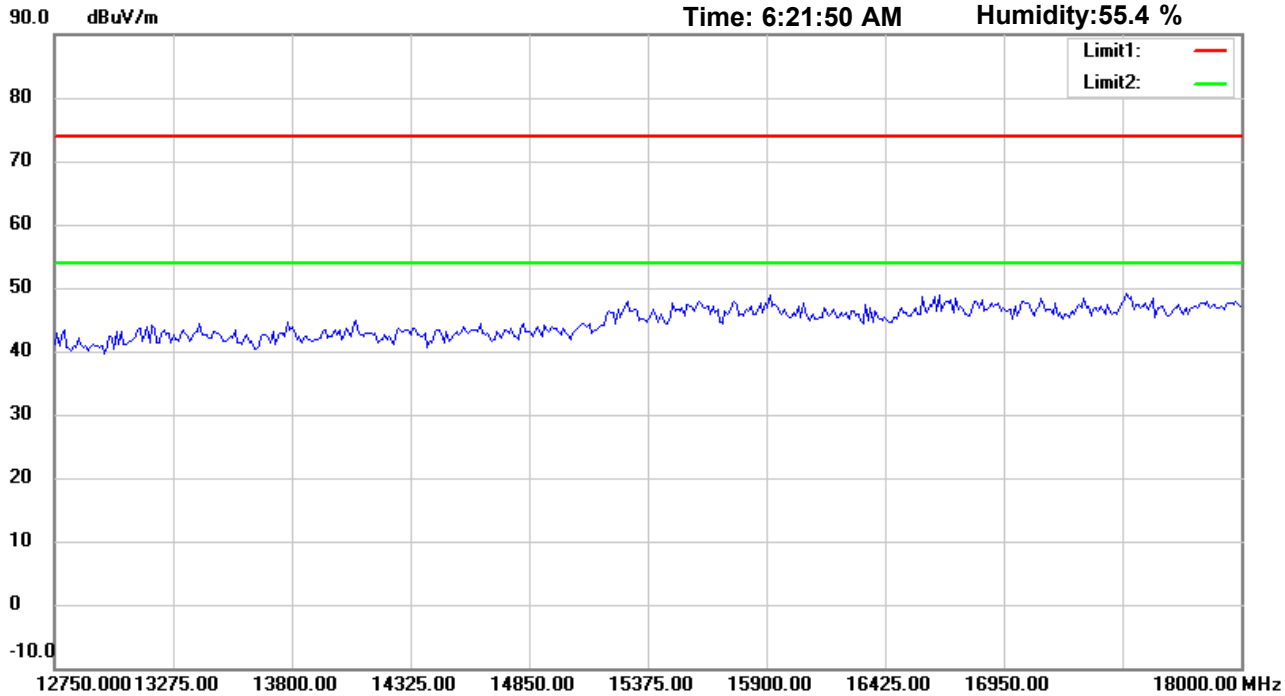
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#9 Date: 5/29/2021 Time: 6:21:50 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

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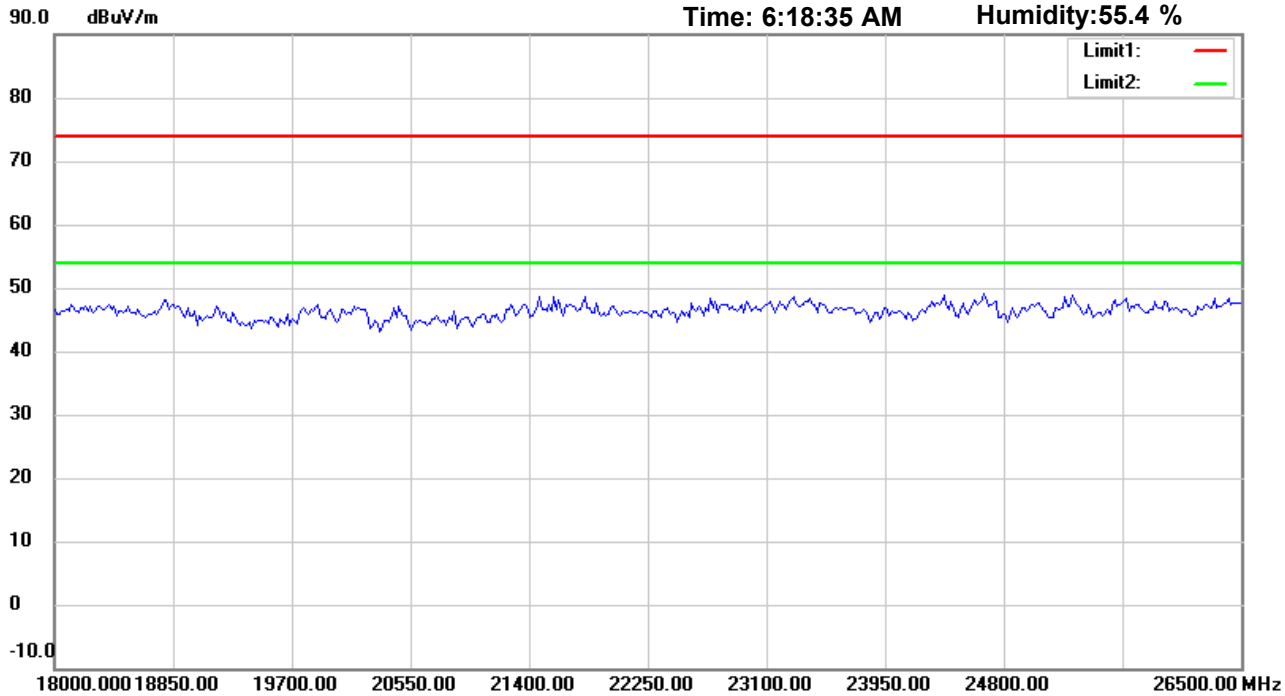
## Radiated Emission Measurement

Operator: Allen

File :3 Data :#5 Date: 5/29/2021 Time: 6:18:35 AM

Temperature:29.5 ℃
Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin

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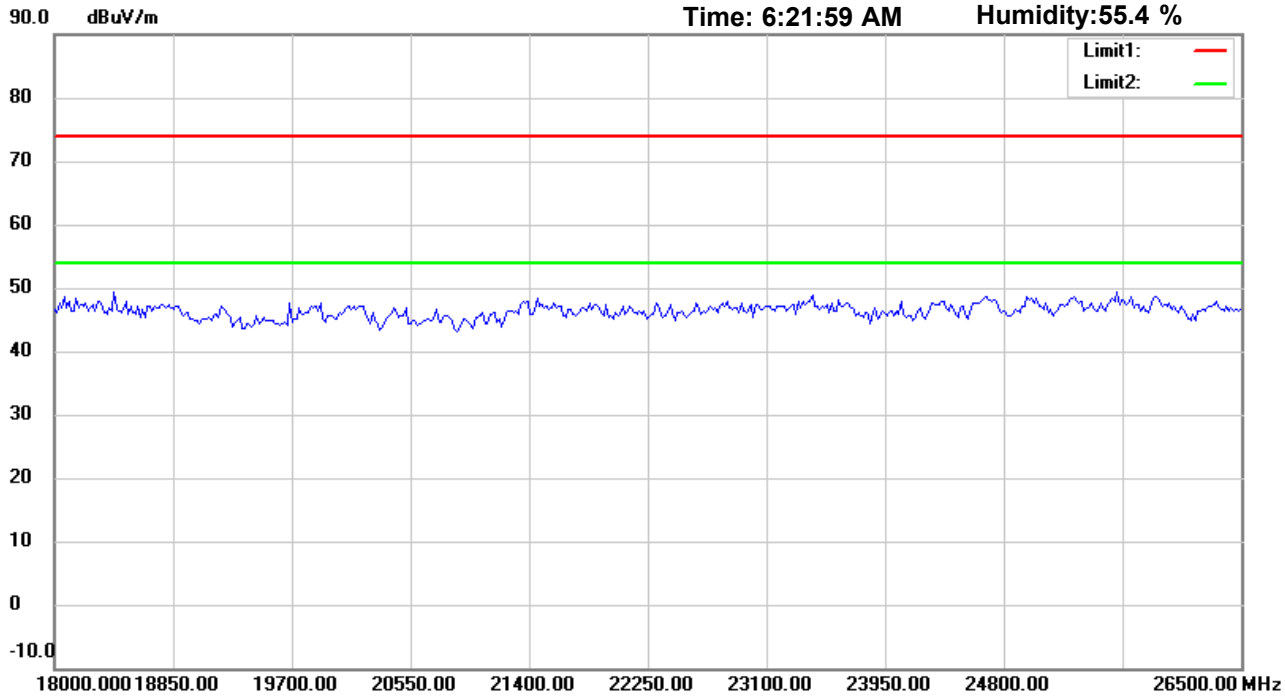
## Radiated Emission Measurement

Operator: Allen

File :3 | Data :#10 | Date: 5/29/2021 | Time: 6:21:59 AM | Temperature:29.5 ℃ | Humidity:55.4 %




Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22105-20916

Power : 3.7 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBuV) | Detector | Corr. factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|---|---|---|---|---|---|---|---|---|---|---|

*:Maximum data x:Over limit !:over margin