

**FCC PART 90 TEST REPORT**

**for**

**Booster**

**Model No.: Booster**

**FCC ID: LEA-BOOSTER**

**of**

Applicant: **Unication Co., Ltd.**

Address: **5F., No. 6, Wu-kung 5 Rd., Hsinchuang City, Taipei,  
Taiwan. R.O.C**

Tested and Prepared

by

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

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

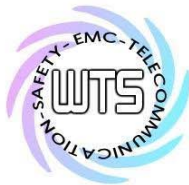
**Industry Canada filed test laboratory Reg. No. 20037**

**A2LA Accredited No.: 2732.01**



**Report No.: W6M21909-19340-C-1**

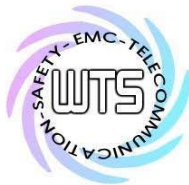
6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.  
TEL: 886-2-66068877 FAX: 886-2-66068879 E-mail: [wts@wts-lab.com](mailto:wts@wts-lab.com)



Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

## **TABLE OF CONTENTS**

|            |                                                                                                        |           |
|------------|--------------------------------------------------------------------------------------------------------|-----------|
| <b>1.</b>  | <b>GENERAL INFORMATION .....</b>                                                                       | <b>2</b>  |
| 1.1        | NOTES.....                                                                                             | 2         |
| 1.2        | TESTING LABORATORY .....                                                                               | 3         |
| 1.2.1      | Location .....                                                                                         | 3         |
| 1.2.2      | Details of accreditation status .....                                                                  | 3         |
| 1.3        | DETAILS OF APPROVAL HOLDER.....                                                                        | 3         |
| 1.4        | APPLICATION DETAILS .....                                                                              | 3         |
| 1.5        | GENERAL INFORMATION OF TEST ITEM .....                                                                 | 4         |
| 1.6        | TEST STANDARDS.....                                                                                    | 4         |
| <b>2.</b>  | <b>TECHNICAL TEST .....</b>                                                                            | <b>5</b>  |
| 2.1        | SUMMARY OF TEST RESULTS .....                                                                          | 5         |
| 2.2        | TEST ENVIRONMENT .....                                                                                 | 5         |
| 2.3        | DESCRIPTION OF TESTED SYSTEM.....                                                                      | 5         |
| 2.4        | TEST EQUIPMENT LIST .....                                                                              | 6         |
| 2.5        | GENERAL TEST PROCEDURE .....                                                                           | 9         |
| <b>3.</b>  | <b>TEST RESULTS (ENCLOSURE) .....</b>                                                                  | <b>10</b> |
| <b>4.</b>  | <b>MEASURING AGC THRESHOLD LEVEL.....</b>                                                              | <b>11</b> |
| 4.1        | TEST RESULTS .....                                                                                     | 11        |
| <b>5.</b>  | <b>OUT-OF-BAND REJECTION .....</b>                                                                     | <b>20</b> |
| 5.1        | TEST RESULT .....                                                                                      | 20        |
| <b>6.</b>  | <b>INPUT-VERSUS-OUTPUT SIGNAL COMPARISON.....</b>                                                      | <b>22</b> |
| 6.1        | TEST RESULT .....                                                                                      | 23        |
| <b>7.</b>  | <b>INPUT/OUTPUT POWER AND AMPLIFIER/BOOSTER GAIN.....</b>                                              | <b>47</b> |
| 7.1        | TEST RESULT .....                                                                                      | 47        |
| <b>8.</b>  | <b>NOISE FIGURE MEASUREMENTS .....</b>                                                                 | <b>48</b> |
| 8.1        | TEST RESULT .....                                                                                      | 48        |
| <b>9.</b>  | <b>MEASURING OUT-OF-BAND/OUT-OF-BLOCK (INCLUDING INTERMODULATION)<br/>AND SPURIOUS EMISSIONS .....</b> | <b>51</b> |
| 9.1        | TEST RESULT .....                                                                                      | 52        |
| <b>10.</b> | <b>FREQUENCY STABILITY MEASUREMENTS .....</b>                                                          | <b>70</b> |
| 10.1       | TEST RESULT .....                                                                                      | 70        |
| <b>11.</b> | <b>SPURIOUS EMISSIONS RADIATED MEASUREMENTS .....</b>                                                  | <b>72</b> |
| 11.1       | TEST RESULT .....                                                                                      | 72        |
| <b>12.</b> | <b>MAXIMUM PERMISSIBLE EXPOSURE.....</b>                                                               | <b>73</b> |
| 12.1       | APPLICABLE STANDARD .....                                                                              | 73        |
| 12.2       | MPE CALCULATION METHOD .....                                                                           | 73        |



Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

## **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 its performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.5.

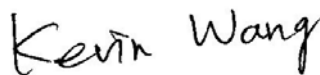
The test report may only be reproduced or published in full.

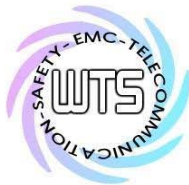
Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.

### **Tester:**

|                   |          |                                                                                      |
|-------------------|----------|--------------------------------------------------------------------------------------|
| December 24, 2019 | Kent Lin |  |
| Date              | WTS-Lab. | Signature                                                                            |

### **Technical responsibility for area of testing:**

|                   |            |                                                                                      |
|-------------------|------------|--------------------------------------------------------------------------------------|
| December 24, 2019 | Kevin Wang |  |
| Date              | WTS        | Signature                                                                            |



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

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

## **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.

Tel : 886-2-66068877

Fax : 886-2-66068879

### **1.2.2 Details of accreditation status**

Accredited testing laboratory

A2LA accredited number: 2732.01

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: ./.

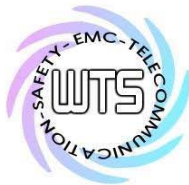
Fax: ./.

## **1.3 Details of approval holder**

Name: Un cationiCo., Ltd.  
Street: 5F., No. 6, Wu-kung 5 Rd.,  
City: New Taipei City 221,  
Country: Taiwan (R.O.C.)  
Telephone: ./.  
Fax: ./.

## **1.4 Application details**

Date of receipt of test item: November 25, 2019  
Date of test: from November 26, 2019 to December 20, 2019



Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

## **1.5 General information of Test item**

Type of test item: Booster  
Model Number: Booster  
Brand Name: Unication  
Multi-listing model number: ./.  
Photos: See appendix

## **Technical data**

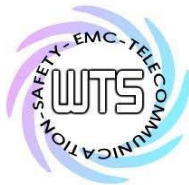
Frequency band: 150.05~173.4 MHz, 758~775 MHz, 851~862 MHz  
Sample tested frequency: 150.053125 MHz, 161.725 MHz, 173.396875 MHz,  
758.003125 MHz, 766.5 MHz, 774.996875 MHz,  
851.003125 MHz, 856.5 MHz, 861.996875 MHz  
Designation of emission: 150.05~173.4 MHz: 4K00F1E, 11K3F3E, 16K0F3E  
758~775 MHz: 7K41F3E, 7K41F1D  
851~862 MHz: 7K41F3E, 7K41F1D  
Antenna Type / Gain: Plane Antenna / 4 dBi  
Connection of Antenna: ☒ detachable ☐ not detachable  
Power Rating: Adaptor (I/P: 100-240V~50-60Hz 0.28A, O/P: 5V, 2A)  
Operation modes: Simplex

## **Manufacturer: (if applicable)**

Name: ./.  
Street: ./.  
Town: ./.  
Country: ./.

## **1.6 Test standards**

Technical standard: FCC RULES PART 90 (2018-10)  
KDB 935210 D05 v01r03



Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

## **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

| Test item Name                                                              | Uncertainty                                                                                                      |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Estimation Result of Uncertainty of Frequency Drift Measurement             | Expanded Uncertainty: 6.11 Hz                                                                                    |
| Estimation Result of Uncertainty of EIRP Measurement                        | Expanded Uncertainty:<br>30-200 MHz: 2.50 dB<br>200-1000 MHz: 2.50 dB<br>1-18 GHz: 3.38 dB<br>18-40 GHz: 3.04 dB |
| Estimation Result of Uncertainty of Bandwidth Measurement                   | Expanded Uncertainty: 0.45 kHz                                                                                   |
| Estimation Result of Uncertainty of Conducted Output Power Measurement      | Expanded Uncertainty: 1.72 dB                                                                                    |
| Estimation Result of Uncertainty of Conducted Spurious Emission Measurement | Expanded Uncertainty: 1.726 dB                                                                                   |

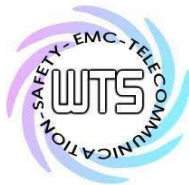
The decision rule is: Measurement uncertainty is not taken into account.

### **2.3 Description of Tested System**

The EUT was tested with the Accessories or Peripherals Listed below:

| Equipment | Model No. | Series No. | Software | Cable information | Note |
|-----------|-----------|------------|----------|-------------------|------|
| --        | --        | --         | --       | --                | --   |
| --        | --        | --         | --       | --                | --   |

Explanation: The EUT was configured as stand-alone device, and there are no accessories or peripherals during the test.

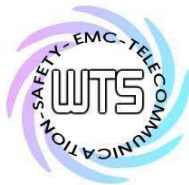


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

## 2.4 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          | 2019/6/4      | 2020/6/3       |
| ETSTW-CE 003 | AC POWER SOURCE                                    | APS-9102        | D161137     | GW           | Function Test |                |
| ETSTW-CE 004 | ZWEILEITER-V-NETZNACHBILDUNG<br>TWO-LINE V-NETWORK | ESH3-Z5         | 840731/011  | R&S          | 2019/11/1     | 2020/10/31     |
| ETSTW-CE 006 | IMPULSBEGRENZER<br>PULSE LIMITER                   | ESH3-Z2         | 100226      | R&S          | 2019/9/24     | 2020/9/23      |
| ETSTW-CE 008 | HF-EICHLITUNG RF<br>STEP ATTENUATOR<br>139dB DPSP  | 334.6010.02     | 844581/024  | R&S          | Function Test |                |
| ETSTW-CE 009 | TEMP.&HUMIDITY<br>CHAMBER                          | GTH-225-40-1P-U | MAA0305-009 | GIANT FORCE  | 2019/7/23     | 2020/7/22      |
| ETSTW-CE 016 | TWO-LINE V-NETWORK                                 | ENV216          | 100050      | R&S          | 2019/10/3     | 2020/10/2      |
| ETSTW-CE 028 | MXE EMI Receiver                                   | N9038A          | MY53220110  | Agilent      | 2019/7/18     | 2020/7/17      |
| ETSTW-RE 003 | EMI TEST RECEIVER                                  | ESI 26          | 831438/001  | R&S          | 2019/6/4      | 2020/6/3       |
| ETSTW-RE 004 | EMI TEST RECEIVER                                  | ESI 40          | 832427/004  | R&S          | 2019/5/29     | 2020/5/28      |
| ETSTW-RE 012 | TUNABLE BANDREJECT<br>FILTER                       | D.C 0309        | 146         | K&L          | Function Test |                |
| ETSTW-RE 013 | TUNABLE BANDREJECT<br>FILTER                       | D.C 0336        | 397         | K&L          | Function Test |                |
| ETSTW-RE 018 | MICROWAVE HORN<br>ANTENNA                          | AT4560          | 27212       | AR           | 2019/7/25     | 2020/7/24      |
| ETSTW-RE 027 | Passive Loop Antenna                               | 6512            | 00034563    | ETS-Lindgren | 2019/7/22     | 2020/7/21      |
| ETSTW-RE 030 | Double-Ridged Guide Horn<br>Antenna                | 3117            | 00035224    | ETS-Lindgren | 2019/4/2      | 2020/4/1       |
| ETSTW-RE 042 | Biconical Antenna                                  | HK116           | 100172      | R&S          | 2019/1/29     | 2020/1/28      |
| ETSTW-RE 043 | Log-Periodic Dipole<br>Antenna                     | HL223           | 100166      | R&S          | 2019/4/23     | 2020/4/22      |
| ETSTW-RE 044 | Log-Periodic Antenna                               | HL050           | 100094      | R&S          | 2019/5/13     | 2020/5/12      |
| ETSTW-RE 045 | ESA-E SERIES<br>SPECTRUM ANALYZER                  | E4404B          | MY45111242  | Agilent      | Pre-test Use  |                |
| ETSTW-RE 050 | Attenuator 10dB                                    | 50HF-010-1      | None        | JFW          | 2019/2/27     | 2020/2/26      |
| ETSTW-RE 051 | Attenuator 6dB                                     | 50HF-006-1      | None        | JFW          | 2019/2/27     | 2020/2/26      |
| ETSTW-RE 053 | Attenuator 3dB                                     | 50HF-003-1      | None        | JFW          | 2019/2/27     | 2020/2/26      |
| ETSTW-RE 055 | SPECTRUM ANALYZER                                  | FSU 26          | 200074      | R&S          | 2019/3/5      | 2020/3/4       |
| ETSTW-RE 060 | Attenuator 30dB                                    | 5015-30         | F651012z-01 | ATM          | 2019/2/27     | 2020/2/26      |
| ETSTW-RE 062 | Amplifier Module                                   | CHC 2           | None        | KMIC         | 2019/5/16     | 2020/5/15      |
| ETSTW-RE 064 | Bluetooth Test Set                                 | MT8852B-042     | 6K00005709  | Anritsu      | Function Test |                |
| ETSTW-RE 069 | Double-Ridged Guide Horn<br>Antenna                | 3117            | 00069377    | ETS-Lindgren | Function Test |                |
| ETSTW-RE 072 | CELL SITE TEST SET                                 | 8921A           | 3339A00375  | HP           | 2019/9/23     | 2020/9/22      |
| ETSTW-RE 088 | SOLID STATE<br>AMPLIFIER                           | KMA180265A01    | 99057       | KMIC         | 2019/9/18     | 2020/9/17      |
| ETSTW-RE 091 | Match Pad                                          | MDCS1500        | None        | WOKEN        | 2019/5/9      | 2020/5/8       |
| ETSTW-RE 099 | DC Block                                           | 50DB-007-1      | None        | JFW          | 2019/2/22     | 2020/2/21      |
| ETSTW-RE 112 | AC POWER SOURCE                                    | TFC-1005        | T-0A023536  | T-Power      | Function test |                |

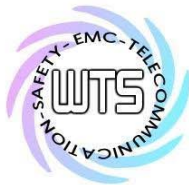


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

|                 |                                      |                                        |                 |                    |                  |            |
|-----------------|--------------------------------------|----------------------------------------|-----------------|--------------------|------------------|------------|
| ETSTW-RE 115    | 2.4GHz Notch Filter                  | N0124411                               | 473874          | MICROWAVE CIRCUITS | 2019/1/14        | 2020/1/13  |
| ETSTW-RE 120    | RF Player                            | MP9200                                 | MP9210-111022   | ADIVIC             | Function test    |            |
| ETSTW-RE 122    | SIGNAL GENERATOR                     | SMF100A                                | 102149          | R&S                | 2019/6/3         | 2020/6/2   |
| ETSTW-RE 125    | 5GHz Notch filter                    | 5NSL11-5200/E221.3-O/O                 | 1               | K&L Microwave      | 2019/8/8         | 2020/8/7   |
| ETSTW-RE 126    | 5GHz Notch filter                    | 5NSL12-5800/E221.3-O/O                 | 1               | K&L Microwave      | 2019/8/8         | 2020/8/7   |
| ETSTW-RE 127    | RF Switch Box                        | RFS-01                                 | None            | WTS                | 2019/2/26        | 2020/2/25  |
| ETSTW-RE 128    | 5.3GHz Notch filter                  | N0153001                               | SN487233        | Microwave Circuits | 2019/8/8         | 2020/8/7   |
| ETSTW-RE 129    | 5.5GHz Notch filter                  | N0555984                               | SN487234        | Microwave Circuits | 2019/8/8         | 2020/8/7   |
| ETSTW-RE 130    | Handheld RF Spectrum Analyzer        | N9340A                                 | CN0147000204    | Agilent            | Pre-test Use     |            |
| ETSTW-RE 142    | Amplifier                            | 8447D                                  | 2805A03378      | Agilent            | 2019/5/16        | 2020/5/15  |
| ETSTW-RE 147    | Bi-log Hybrid Antenna                | MCTD 2786B                             | BLB16M04005     | ETC                | 2019/4/2         | 2020/4/1   |
| ETSTW-RF 002    | Electromagnetic field probe          | LF-30                                  | K-0007          | STT                | 2019/5/27        | 2020/5/26  |
| ETSTW-EMI 011   | USB Compact Modulator                | SFC-U                                  | 101689          | R&S                | 2019/5/16        | 2020/5/15  |
| ETSTW-GSM 002   | Universal Radio Communication Tester | CMU 200                                | 109439          | R&S                | 2019/3/5         | 2020/3/4   |
| ETSTW-GSM 003   | Radio Communication Analyzer         | MT8820C                                | 6201342073      | Anritsu            | 2019/3/26        | 2020/3/25  |
| ETSTW-GSM 004   | Wideband Radio Communication Tester  | CMW500                                 | 128092          | R&S                | 2019/10/25       | 2020/10/24 |
| ETSTW-GSM 019   | Band Reject Filter                   | WRCTF824/849-822/851-40/12+9SS         | 3               | WI                 | 2019/1/14        | 2020/1/13  |
| ETSTW-GSM 020   | Band Reject Filter                   | WRCD1747/1748-1743/1752-32/5SS         | 1               | WI                 | 2019/1/14        | 2020/1/13  |
| ETSTW-GSM 021   | Band Reject Filter                   | WRCD1879.5/1880.5-1875.5/1884.5-32/5SS | 3               | WI                 | 2019/1/14        | 2020/1/13  |
| ETSTW-GSM 022   | Band Reject Filter                   | WRCT901.9/903.1-904.25-50/8SS          | 1               | WI                 | 2019/1/14        | 2020/1/13  |
| ETSTW-GSM 023   | Power Divider                        | 4901.19.A                              | None            | SUHNER             | 2019/9/12        | 2020/9/11  |
| ETSTW-GSM 024   | Radio Communication Analyzer         | MT8821C                                | None            | Anritsu            | 2019/3/5         | 2020/3/4   |
| ETSTW-GSM 025   | Band Reject Filter                   | BRM19835                               | 001             | Micro-Tronics      | 2019/8/9         | 2020/8/8   |
| 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       | 2019/2/21        | 2020/2/20  |
| ETSTW-Cable 017 | BNC Cable                            | X Cable                                | B Cable 2       | Schwarz beck       | 2019/2/21        | 2020/2/20  |
| ETSTW-Cable 018 | BNC Cable                            | Y Cable                                | B Cable 3       | Schwarz beck       | 2019/2/21        | 2020/2/20  |
| ETSTW-Cable 019 | BNC Cable                            | Z Cable                                | B Cable 4       | Schwarz beck       | 2019/2/21        | 2020/2/20  |
| ETSTW-Cable 020 | N TYPE Cable                         | OATS Cable 1                           | N30N30-L335-15M | JYE BAO CO.,LTD.   | 2019/7/2         | 2020/7/1   |
| ETSTW-Cable 026 | Microwave Cable                      | SUCOFLEX 104                           | 279075          | HUBER+SUHNER       | 2019/2/25        | 2020/2/24  |
| ETSTW-Cable 027 | Microwave Cable                      | SUCOFLEX 104                           | 279083          | HUBER+SUHNER       | 2019/5/14        | 2020/5/13  |
| ETSTW-Cable 028 | Microwave Cable                      | FA147A0015M2020                        | 30064-2         | UTIFLEX            | 2019/9/18        | 2020/9/17  |
| ETSTW-Cable 029 | Microwave Cable                      | FA147A0015M2020                        | 30064-3         | UTIFLEX            | 2019/9/18        | 2020/9/17  |
| ETSTW-Cable 030 | Microwave Cable                      | SUCOFLEX 104 (S Cable 9)               | 279067          | HUBER+SUHNER       | 2019/2/25        | 2020/2/24  |
| ETSTW-Cable 043 | Microwave Cable                      | SUCOFLEX 104                           | 317576          | HUBER+SUHNER       | 2019/5/16        | 2020/5/15  |
| ETSTW-Cable 058 | Microwave Cable                      | SUCOFLEX 104                           | none            | HUBER+SUHNER       | 2019/6/6         | 2020/6/5   |

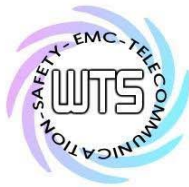




# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

|                 |                     |                       |          |              |                  |           |
|-----------------|---------------------|-----------------------|----------|--------------|------------------|-----------|
| ETSTW-Cable 064 | Microwave Cable     | SUCOFLEX 104          | MY28891  | HUBER+SUHNER | 2019/5/16        | 2020/5/15 |
| ETSTW-Cable 066 | SMA type cable      | 32022                 | None     | ASTROLAB     | 2019/9/24        | 2020/9/23 |
| ETSTW-Cable 071 | N TYPE CABLE        | EMCCFD400-NM-NM-25000 | 170239   | EMCI         | 2019/6/6         | 2020/6/5  |
| ETSTW-Cable 072 | SMA type cable (8m) | SUCOFLEX 104          | 805800/4 | HUBER+SUHNER | 2019/5/16        | 2020/5/15 |
| ETSTW-Cable 074 | SMA type cable (2m) | SUCOFLEX 104          | 802563/4 | HUBER+SUHNER | 2019/5/16        | 2020/5/15 |
| 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 001    | Thermohygrometer    | 608-H1                | 45204316 | Testo        | 2019/9/9         | 2020/9/8  |
| ETSTW-TH 002    | Thermohygrometer    | 608-H1                | 45204317 | Testo        | 2019/9/9         | 2020/9/8  |

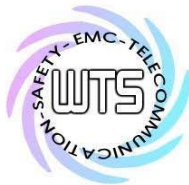


## **2.5 General Test Procedure**

**POWER LINE CONDUCTED INTERFERENCE:** The procedure used was ANSI STANDARD C63.10-2013 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 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 100 kHz 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.

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

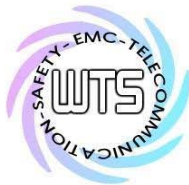


Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

### **3. Test results (enclosure)**

| Test case                                                                                | Para. Number               | Required                            | Test passed                         | Test failed              |
|------------------------------------------------------------------------------------------|----------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Measuring AGC threshold level                                                            | 935210 D05<br>v01r03 ch4.2 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Out-of-band rejection                                                                    | 935210 D05<br>v01r03 ch4.3 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Input-versus-output signal comparison                                                    | 935210 D05<br>v01r03 ch4.4 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Input/output power and amplifier/booster gain                                            | 935210 D05<br>v01r03 ch4.5 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Noise figure measurements                                                                | 935210 D05<br>v01r03 ch4.6 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Measuring out-of-band/out-of-block<br>(including intermodulation) and spurious emissions | 935210 D05<br>v01r03 ch4.7 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Frequency stability measurements                                                         | 935210 D05<br>v01r03 ch4.8 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Spurious emissions radiated measurements                                                 | 935210 D05<br>v01r03 ch4.9 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

The following is intentionally left blank.



Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

## 4. Measuring AGC threshold level

Testing at and above the AGC threshold will be required. The AGC threshold shall be determined by applying the procedure of 3.2, but with the signal generator configured to produce a test signal defined in Table 1, a CW input signal, or a digitally modulated signal, consistent with the discussion about signal types in 4.1.

The AGC threshold is to be determined as follows.

In the case of fiber-optic distribution systems, the RF input port of the equipment under test (EUT) refers to the RF input of the supporting equipment RF to optical convertor; see also descriptions and diagrams for typical DAS booster systems in KDB Publication 935210 D02 [R7].

Devices intended to be directly connected to an RF source (donor port) only need to be evaluated for any over-the-air transmit paths.

- Connect a signal generator to the input of the EUT.
- Connect a spectrum analyzer or power meter to the output of the EUT using appropriate attenuation as necessary.
- The signal generator should initially be configured to produce either of the required test signals (i.e., broadband or narrowband).
- Set the signal generator frequency to the center frequency of the EUT operating band.
- While monitoring the output power of the EUT, measured using the methods of 3.5.3 or 3.5.4, increase the input level until a 1 dB increase in the input signal power no longer causes a 1 dB increase in the output signal power.
- Record this level as the AGC threshold level.
- Repeat the procedure with the remaining test signal.

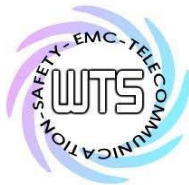
### 4.1 Test results

| 150.05MHz~173.4MHz Band |           |                  |                   |       |
|-------------------------|-----------|------------------|-------------------|-------|
| 16K0F3E(FM) input       |           |                  |                   |       |
| note                    | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 150.0625  | -68              | 0.64              | 68.64 |
| AGC threshold           |           | -71              | 0.01              | 71.01 |
|                         |           | -72              | -0.49             | 71.51 |
| 16K0F3E(FM) input       |           |                  |                   |       |
| note                    | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 161.725   | -69              | 0.41              | 69.41 |
| AGC threshold           |           | -72              | -0.65             | 71.35 |
|                         |           | -73              | -1.16             | 71.84 |
| 16K0F3E(FM) input       |           |                  |                   |       |
| note                    | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 173.3875  | -69              | 0.17              | 69.17 |
| AGC threshold           |           | -72              | -0.93             | 71.07 |
|                         |           | -73              | -1.20             | 71.8  |



| 150.05MHz~173.4MHz Band |           |                  |                   |       |
|-------------------------|-----------|------------------|-------------------|-------|
| 11K3F3E(FM) input       |           |                  |                   |       |
| note                    | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 150.05625 | -69              | 0.32              | 69.32 |
| AGC threshold           |           | -72              | -0.81             | 71.19 |
|                         |           | -73              | -1.28             | 71.72 |
| 11K3F3E(FM) input       |           |                  |                   |       |
| note                    | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 161.725   | -69              | 0.37              | 69.37 |
| AGC threshold           |           | -72              | -0.69             | 71.31 |
|                         |           | -73              | -1.18             | 71.82 |
| 11K3F3E(FM) input       |           |                  |                   |       |
| note                    | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 173.39375 | -69              | 0.15              | 69.15 |
| AGC threshold           |           | -72              | -0.94             | 71.06 |
|                         |           | -73              | -1.21             | 71.79 |

| 150.05MHz~173.4MHz Band |           |                  |                   |       |
|-------------------------|-----------|------------------|-------------------|-------|
| 11K3F3E(FM) input       |           |                  |                   |       |
| note                    | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 150.05625 | -69              | 0.45              | 69.45 |
| AGC threshold           |           | -72              | -0.72             | 71.28 |
|                         |           | -73              | -1.24             | 71.76 |
| 11K3F3E(FM) inpu        |           |                  |                   |       |
| note                    | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 161.725   | -69              | 0.26              | 69.26 |
| AGC threshold           |           | -72              | -0.75             | 71.25 |
|                         |           | -73              | -1.20             | 71.8  |
| 11K3F3E(FM) inpu        |           |                  |                   |       |
| note                    | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 173.39375 | -69              | -0.11             | 68.89 |
| AGC threshold           |           | -72              | -1.08             | 70.92 |
|                         |           | -73              | -1.64             | 71.36 |



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

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

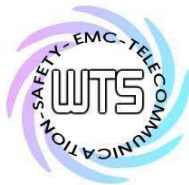
| 150.05MHz~173.4MHz Band |            |                  |                   |       |
|-------------------------|------------|------------------|-------------------|-------|
| 4K00F1E(FM) input       |            |                  |                   |       |
| note                    | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 150.053125 | -69              | 0.31              | 69.31 |
| AGC threshold           |            | -72              | -0.82             | 71.18 |
|                         |            | -73              | -1.28             | 71.72 |
| 4K00F1E(FM) input       |            |                  |                   |       |
| note                    | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 161.725    | -69              | 0.48              | 69.48 |
| AGC threshold           |            | -72              | -0.32             | 71.68 |
|                         |            | -73              | -0.82             | 72.18 |
| 4K00F1E(FM) input       |            |                  |                   |       |
| note                    | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 173.396875 | -69              | 0.23              | 69.23 |
| AGC threshold           |            | -72              | -0.86             | 71.14 |
|                         |            | -73              | -1.14             | 71.86 |

| 150.05MHz~173.4MHz Band |            |                  |                   |       |
|-------------------------|------------|------------------|-------------------|-------|
| CW input                |            |                  |                   |       |
| note                    | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 150.053125 | -68              | 0.51              | 68.51 |
| AGC threshold           |            | -71              | -0.34             | 70.66 |
|                         |            | -72              | -0.81             | 71.19 |
| CW input                |            |                  |                   |       |
| note                    | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 161.725    | -69              | 0.22              | 69.22 |
| AGC threshold           |            | -72              | -0.87             | 71.13 |
|                         |            | -73              | -1.34             | 71.66 |
| CW input                |            |                  |                   |       |
| note                    | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB       | 173.396875 | -69              | -0.02             | 68.98 |
| AGC threshold           |            | -72              | -0.83             | 71.17 |
|                         |            | -73              | -1.28             | 71.72 |



| 758MHz~775MHz Band |           |                  |                   |       |
|--------------------|-----------|------------------|-------------------|-------|
| 16K0F3E(FM) input  |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 758.0125  | -62              | 11.45             | 73.45 |
| AGC threshold      |           | -65              | 10.56             | 75.56 |
|                    |           | -66              | 9.84              | 75.84 |
| 16K0F3E(FM) input  |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 766.5     | -63              | 11.41             | 74.41 |
| AGC threshold      |           | -66              | 9.80              | 75.8  |
|                    |           | -67              | 9.16              | 76.16 |
| 16K0F3E(FM) input  |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 774.9875  | -64              | 11.57             | 75.57 |
| AGC threshold      |           | -67              | 10.71             | 77.71 |
|                    |           | -68              | 9.96              | 77.96 |

| 758MHz~775MHz Band |           |                  |                   |       |
|--------------------|-----------|------------------|-------------------|-------|
| 11K3F3E(FM) input  |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 758.00625 | -63              | 11.30             | 74.3  |
| AGC threshold      |           | -66              | 10.01             | 76.01 |
|                    |           | -67              | 9.39              | 76.39 |
| 11K3F3E(FM) input  |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 766.5     | -64              | 11.26             | 75.26 |
| AGC threshold      |           | -67              | 9.63              | 76.63 |
|                    |           | -68              | 9.03              | 77.03 |
| 11K3F3E(FM) input  |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 774.99375 | -63              | 11.77             | 74.77 |
| AGC threshold      |           | -66              | 10.83             | 76.83 |
|                    |           | -67              | 10.26             | 77.26 |



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

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

| 758MHz~775MHz Band |           |                  |                   |       |
|--------------------|-----------|------------------|-------------------|-------|
| P25 input          |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 758.00625 | -62              | 11.44             | 73.44 |
| AGC threshold      |           | -65              | 10.59             | 75.59 |
|                    |           | -66              | 9.82              | 75.82 |
| P25 input          |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 766.5     | -62              | 11.52             | 73.52 |
| AGC threshold      |           | -65              | 10.53             | 75.53 |
|                    |           | -66              | 9.88              | 75.88 |
| P25 input          |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 774.99375 | -62              | 11.88             | 73.88 |
| AGC threshold      |           | -65              | 11.11             | 76.11 |
|                    |           | -66              | 10.68             | 76.68 |

| 758MHz~775MHz Band |            |                  |                   |       |
|--------------------|------------|------------------|-------------------|-------|
| 4K00F1E(FM) input  |            |                  |                   |       |
| note               | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 758.003125 | -63              | 11.29             | 74.29 |
| AGC threshold      |            | -66              | 10.02             | 76.02 |
|                    |            | -67              | 9.40              | 76.4  |
| 4K00F1E(FM) input  |            |                  |                   |       |
| note               | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 766.5      | -62              | 11.44             | 73.44 |
| AGC threshold      |            | -65              | 10.63             | 75.63 |
|                    |            | -66              | 10.10             | 76.1  |
| 4K00F1E(FM) input  |            |                  |                   |       |
| note               | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 774.996875 | -63              | 11.70             | 74.7  |
| AGC threshold      |            | -66              | 10.75             | 76.75 |
|                    |            | -67              | 10.18             | 77.18 |





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

Registration number: W6M21909-19340-C-1

FCC ID: LEA-BOOSTER

| 758MHz~775MHz Band |            |                  |                   |       |
|--------------------|------------|------------------|-------------------|-------|
| CW input           |            |                  |                   |       |
| note               | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 758.003125 | -62              | 11.40             | 73.4  |
| AGC threshold      |            | -65              | 9.98              | 74.98 |
|                    |            | -66              | 9.19              | 75.19 |
| CW input           |            |                  |                   |       |
| note               | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 766.5      | -64              | 11.06             | 75.06 |
| AGC threshold      |            | -67              | 9.44              | 76.44 |
|                    |            | -68              | 8.82              | 76.82 |
| CW input           |            |                  |                   |       |
| note               | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 774.996875 | -65              | 11.35             | 76.35 |
| AGC threshold      |            | -68              | 9.67              | 77.67 |
|                    |            | -69              | 9.05              | 78.05 |

| 758MHz~775MHz Band     |           |                  |                   |       |
|------------------------|-----------|------------------|-------------------|-------|
| LTE 5M bandwidth input |           |                  |                   |       |
| note                   | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB      | 760.5     | -62              | 10.22             | 72.22 |
| AGC threshold          |           | -65              | 8.92              | 73.92 |
|                        |           | -66              | 8.23              | 74.23 |
| LTE 5M bandwidth input |           |                  |                   |       |
| note                   | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB      | 766.5     | -63              | 10.88             | 73.88 |
| AGC threshold          |           | -66              | 9.44              | 75.44 |
|                        |           | -67              | 8.86              | 75.86 |
| LTE 5M bandwidth input |           |                  |                   |       |
| note                   | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB      | 772.5     | -62              | 10.42             | 72.42 |
| AGC threshold          |           | -65              | 9.46              | 74.46 |
|                        |           | -66              | 8.81              | 74.81 |



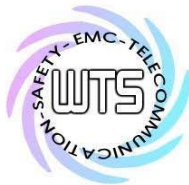
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1

FCC ID: LEA-BOOSTER

| 851MHz~862MHz Band |           |                  |                   |       |
|--------------------|-----------|------------------|-------------------|-------|
| 16K0F3E(FM) input  |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 851.0125  | -64              | 11.82             | 75.82 |
| AGC threshold      |           | -67              | 9.89              | 76.89 |
|                    |           | -68              | 9.25              | 77.25 |
| 16K0F3E(FM) input  |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 856.5     | -64              | 12.05             | 76.05 |
| AGC threshold      |           | -67              | 10.85             | 77.85 |
|                    |           | -68              | 10.18             | 78.18 |
| 16K0F3E(FM) input  |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 861.9875  | -59              | 12.15             | 71.15 |
| AGC threshold      |           | -62              | 11.03             | 73.03 |
|                    |           | -63              | 10.23             | 73.23 |

| 851MHz~862MHz Band |           |                  |                   |       |
|--------------------|-----------|------------------|-------------------|-------|
| 11K3F3E(FM) input  |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 851.00625 | -63              | 11.45             | 74.45 |
| AGC threshold      |           | -66              | 9.85              | 75.85 |
|                    |           | -67              | 9.19              | 76.19 |
| 11K3F3E(FM) input  |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 856.5     | -64              | 12.10             | 76.1  |
| AGC threshold      |           | -67              | 11.07             | 78.07 |
|                    |           | -68              | 10.60             | 78.6  |
| 11K3F3E(FM) input  |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 861.99375 | -58              | 12.48             | 70.48 |
| AGC threshold      |           | -61              | 11.42             | 72.42 |
|                    |           | -62              | 11.18             | 73.18 |

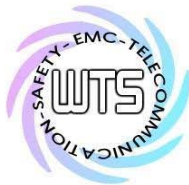


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

| 851MHz~862MHz Band |           |                  |                   |       |
|--------------------|-----------|------------------|-------------------|-------|
| P25 input          |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 851.00625 | -62              | 11.99             | 73.99 |
| AGC threshold      |           | -65              | 10.39             | 75.39 |
|                    |           | -66              | 9.92              | 75.92 |
| P25 input          |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 856.5     | -63              | 12.32             | 75.32 |
| AGC threshold      |           | -66              | 11.45             | 77.45 |
|                    |           | -67              | 10.99             | 77.99 |
| P25 input          |           |                  |                   |       |
| note               | Freq(MHz) | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 861.99375 | -59              | 11.95             | 70.95 |
| AGC threshold      |           | -62              | 10.96             | 72.96 |
|                    |           | -63              | 10.20             | 73.2  |

| 851MHz~862MHz Band |            |                  |                   |       |
|--------------------|------------|------------------|-------------------|-------|
| 4K00F1E(FM) input  |            |                  |                   |       |
| note               | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 851.003125 | -62              | 11.69             | 73.69 |
| AGC threshold      |            | -65              | 10.50             | 75.5  |
|                    |            | -66              | 9.89              | 75.89 |
| 4K00F1E(FM) input  |            |                  |                   |       |
| note               | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 856.5      | -63              | 12.43             | 75.43 |
| AGC threshold      |            | -66              | 11.92             | 77.92 |
|                    |            | -67              | 11.44             | 78.44 |
| 4K00F1E(FM) input  |            |                  |                   |       |
| note               | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 861.996875 | -60              | 11.94             | 71.94 |
| AGC threshold      |            | -63              | 10.29             | 73.29 |
|                    |            | -64              | 9.64              | 73.64 |

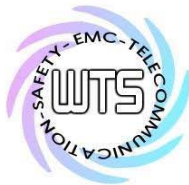


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

| 851MHz~862MHz Band |            |                  |                   |       |
|--------------------|------------|------------------|-------------------|-------|
| CW input           |            |                  |                   |       |
| note               | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 851.003125 | -62              | 11.86             | 73.86 |
| AGC threshold      |            | -65              | 10.51             | 75.51 |
|                    |            | -66              | 9.89              | 75.89 |
| CW input           |            |                  |                   |       |
| note               | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 856.5      | -64              | 12.04             | 76.04 |
| AGC threshold      |            | -67              | 11.27             | 78.27 |
|                    |            | -68              | 10.48             | 78.48 |
| CW input           |            |                  |                   |       |
| note               | Freq(MHz)  | Input level(dBm) | Output level(dBm) | Gain  |
| AGC threshold+3dB  | 861.996875 | -58              | 12.47             | 70.47 |
| AGC threshold      |            | -61              | 11.61             | 72.61 |
|                    |            | -62              | 11.13             | 73.13 |

Test equipment: ETSTW-RE 050, ETSTW-RE 055, ETSTW-RE 122

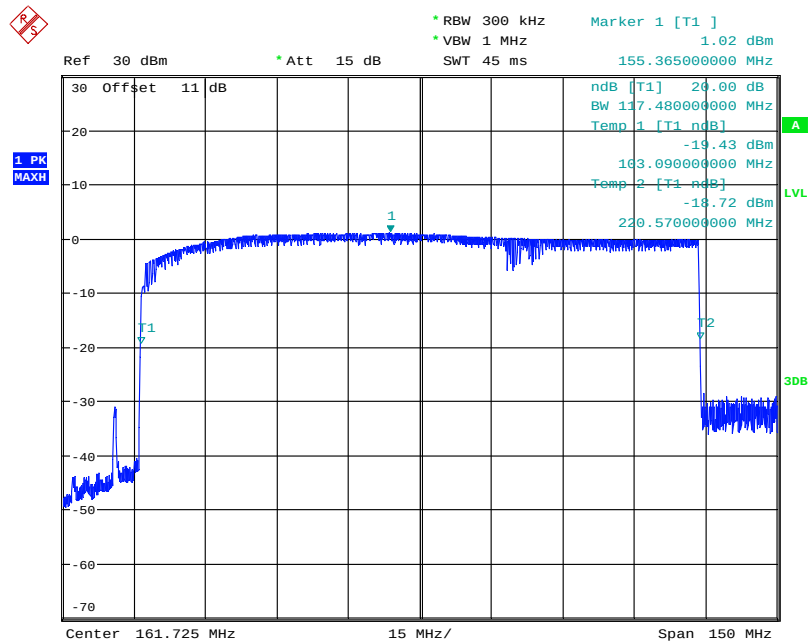


## 5. Out-of-band rejection

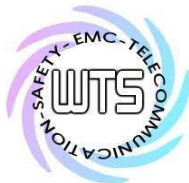
Adjust the internal gain control of the EUT to the maximum gain for which equipment certification is sought.

- a) Connect a signal generator to the input of the EUT.
- b) Configure a swept CW signal with the following parameters:
  - 1) Frequency range =  $\pm 250\%$  of the manufacturer's specified pass band.
  - 2) The CW amplitude shall be 3 dB below the AGC threshold (see 4.2), and shall not activate the AGC threshold throughout the test.
  - 3) Dwell time = approximately 10 ms.
  - 4) Frequency step = 50 kHz.
- c) Connect a spectrum analyzer to the output of the EUT using appropriate attenuation.
- d) Set the RBW of the spectrum analyzer to between 1 % and 5 % of the manufacturer's rated passband, and  $VBW = 3 \times RBW$ .
- e) Set the detector to Peak and the trace to Max-Hold.
- f) After the trace is completely filled, place a marker at the peak amplitude, which is designated as  $f_0$ , and with two additional markers (use the marker-delta method) at the 20 dB bandwidth (i.e., at the points where the level has fallen by 20 dB).
- g) Capture the frequency response plot for inclusion in the test report.

### 5.1 Test Result

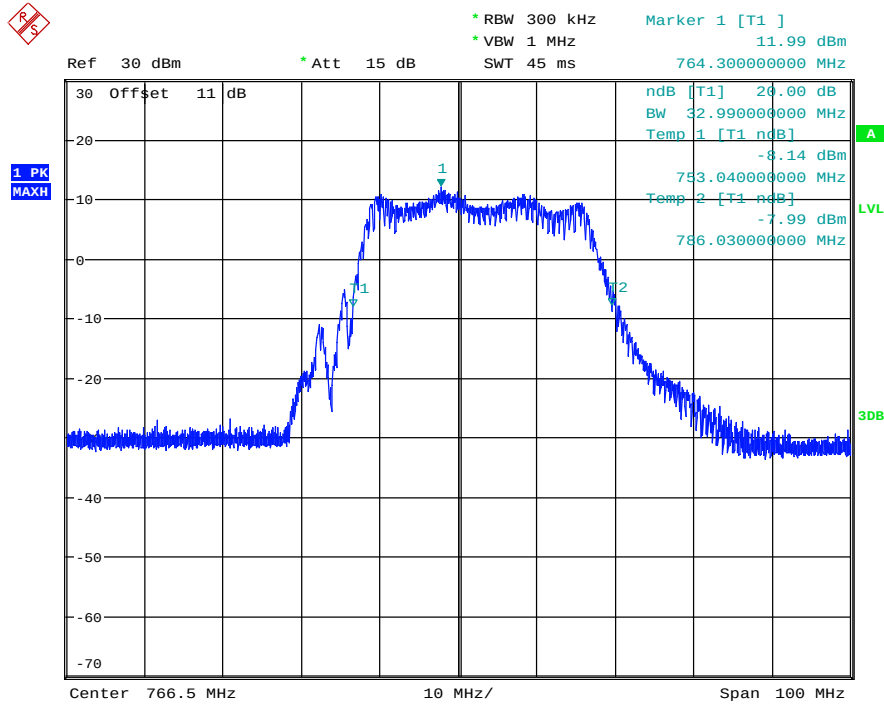


Date: 5.DEC.2019 21:36:39

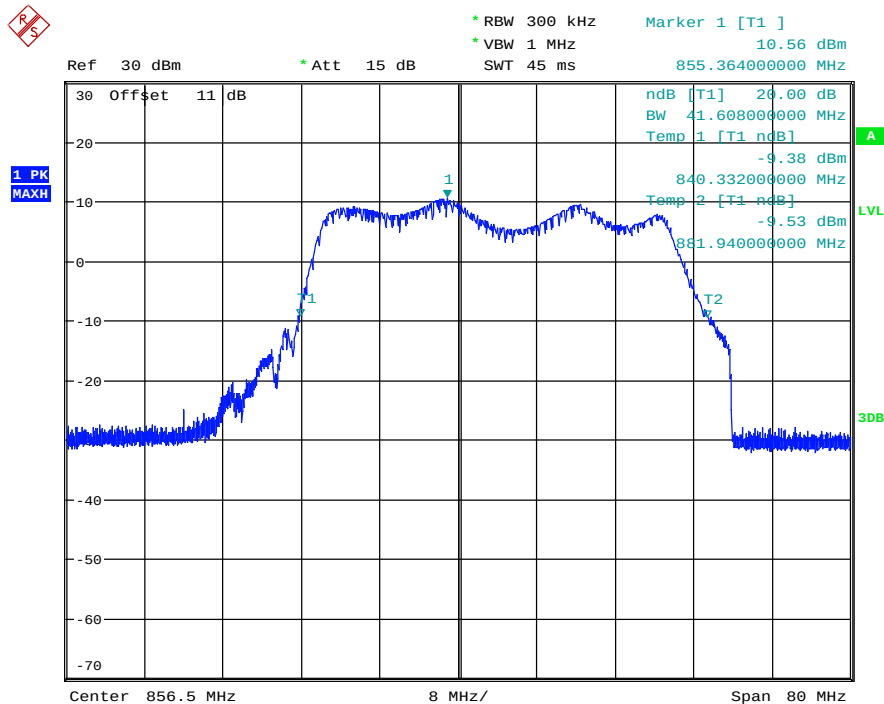


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

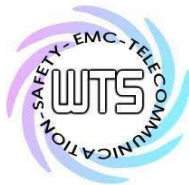


Date: 5.DEC.2019 21:22:19



Date: 5.DEC.2019 21:27:00

Test equipment: ETSTW-RE 050, ETSTW-RE 055, ETSTW-RE 122

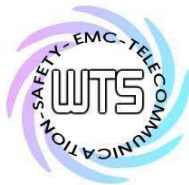


## **6. Input-versus-output signal comparison**

Compliance with the emission mask of the EUT output shall be measured for the public safety service signal types as specified in 4.1.

Refer to the applicable regulatory requirements (e.g., Section 90.210) for emission mask specifications.

- a) Connect a signal generator to the input of the EUT.
- b) Configure the signal generator to transmit the appropriate test signal associated with the public safety emission designation (see Table 1).
- c) Configure the signal level to be just below the AGC threshold (see results from 4.2).
- d) Connect a spectrum analyzer to the output of the EUT using appropriate attenuation as necessary.
- e) Set the spectrum analyzer center frequency to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between  $2 \times$  to  $5 \times$  the EBW (or OBW).
- f) The nominal RBW shall be 300 Hz for 16K0F3E, and 100 Hz for all other emissions types.
- g) Set the reference level of the spectrum analyzer to accommodate the maximum input amplitude level, i.e., the level at  $f_0$  per 4.3.
- h) Set spectrum analyzer detection mode to peak, and trace mode to max hold.
- i) Allow the trace to fully stabilize.
- j) Confirm that the signal is contained within the appropriate emissions mask.
- k) Use the marker function to determine the maximum emission level and record the associated frequency.
- l) Capture the emissions mask plot for inclusion in the test report (output signal spectra).
- m) Measure the EUT input signal power (signal generator output signal) directly from the signal generator using power measurement guidance provided in KDB Publication 971168 [R8] (input signal spectra).
- n) Compare the spectral plot of the output signal (determined in step k), to the input signal (determined in step l) to affirm they are similar (in passband and rolloff characteristic features and relative spectral locations).
- o) Repeat steps d) to n) with the input signal amplitude set 3 dB above the AGC threshold.
- p) Repeat steps b) to o) for all authorized operational bands and emissions types (see applicable regulatory specifications, e.g., Section 90.210).
- q) Include all accumulated spectral plots depicting EUT input signal and EUT output signal in the test report, and note any observed dissimilarities.

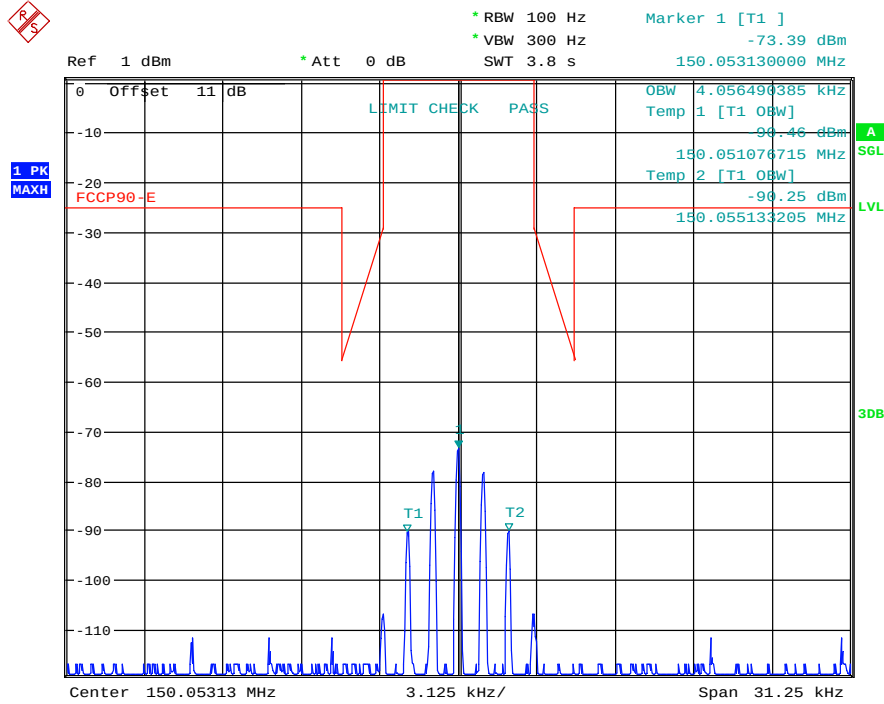


Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

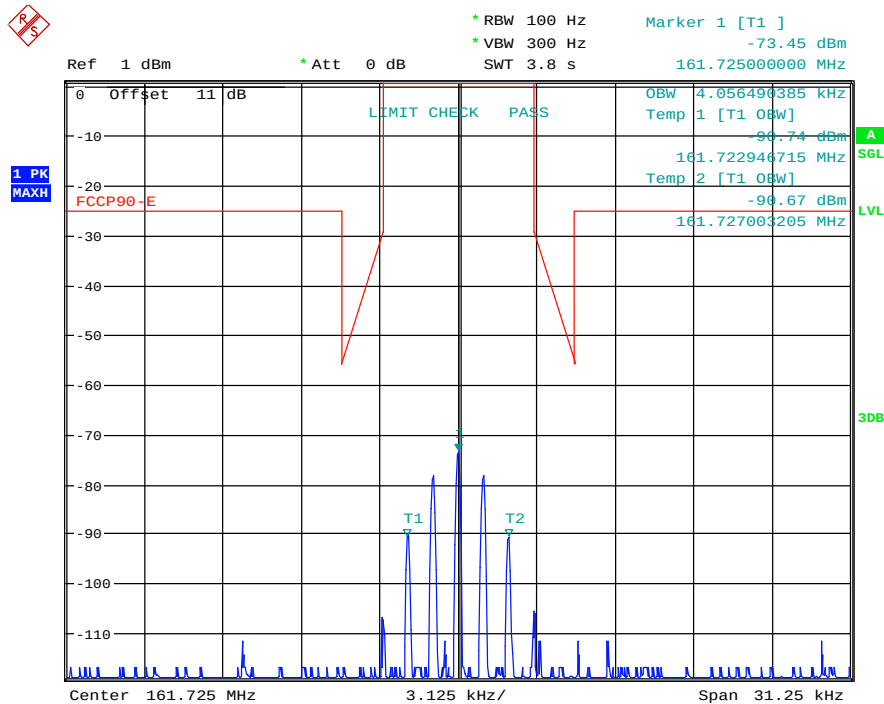
## 6.1 Test Result

4K00F1E

Input

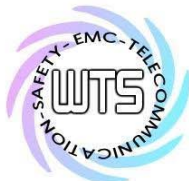


Date: 6.DEC.2019 17:43:14



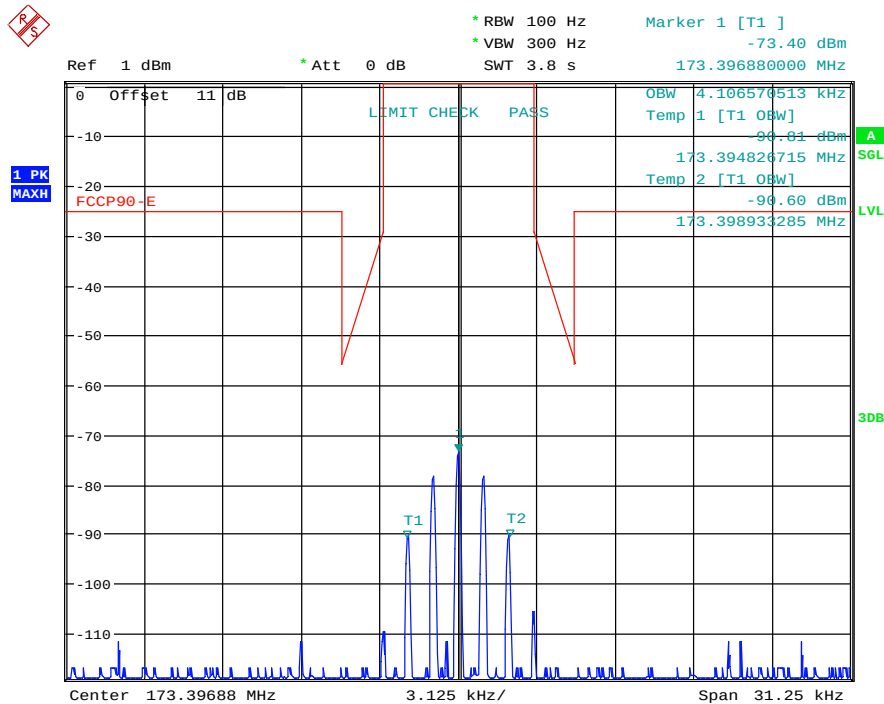
Date: 6.DEC.2019 17:44:27





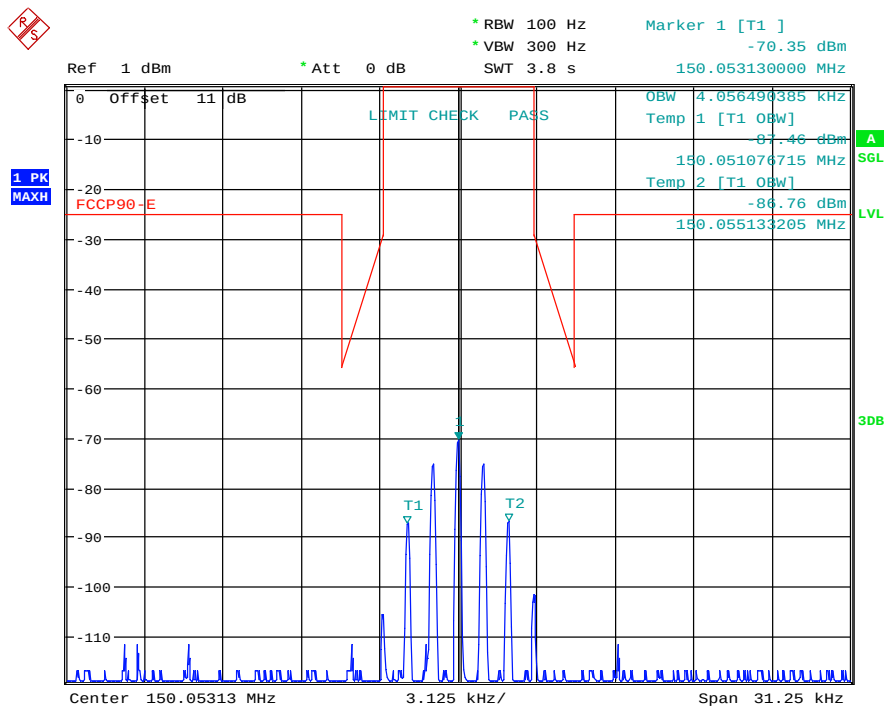
Registration number: W6M21909-19340-C-1

FCC ID: LEA-BOOSTER

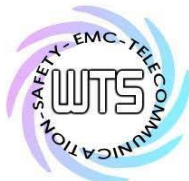


Date: 6.DEC.2019 17:45:07

+3dB

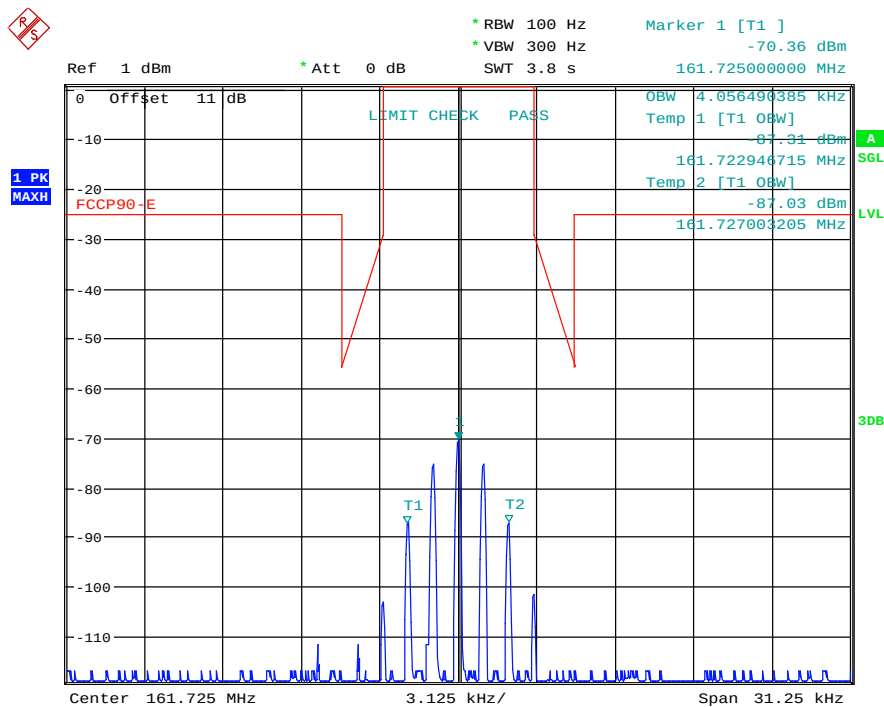


Date: 6.DEC.2019 17:43:39

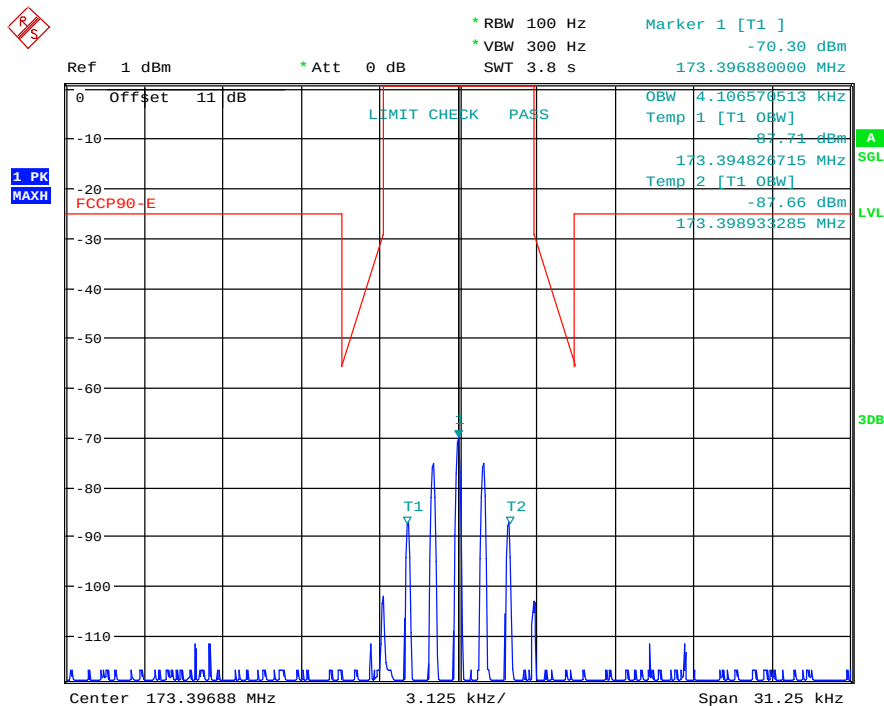


Registration number: W6M21909-19340-C-1

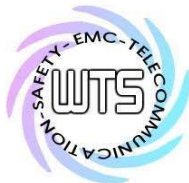
FCC ID: LEA-BOOSTER



Date: 6.DEC.2019 17:44:10



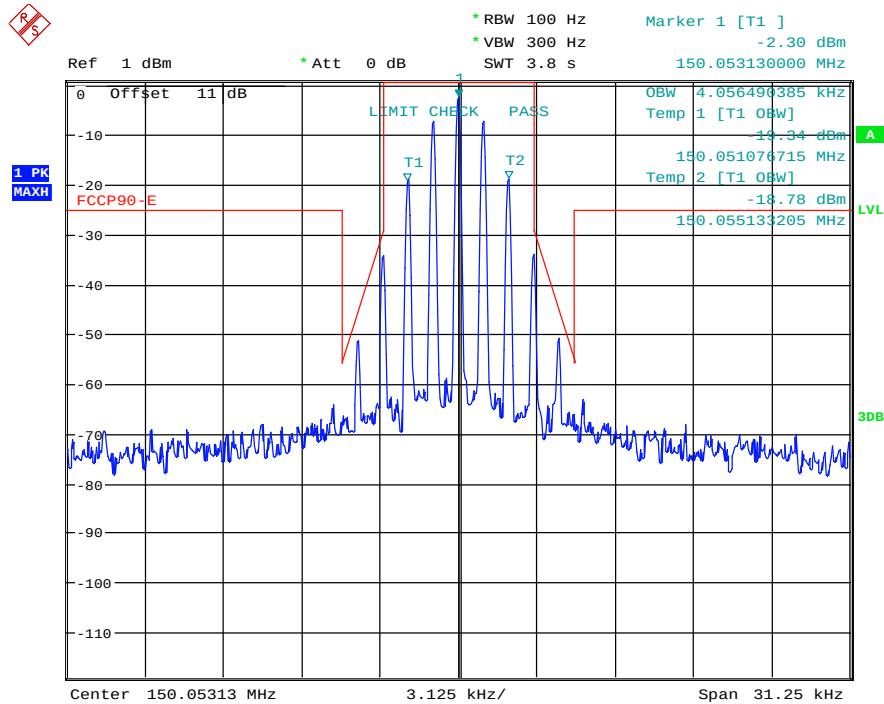
Date: 6.DEC.2019 17:45:33



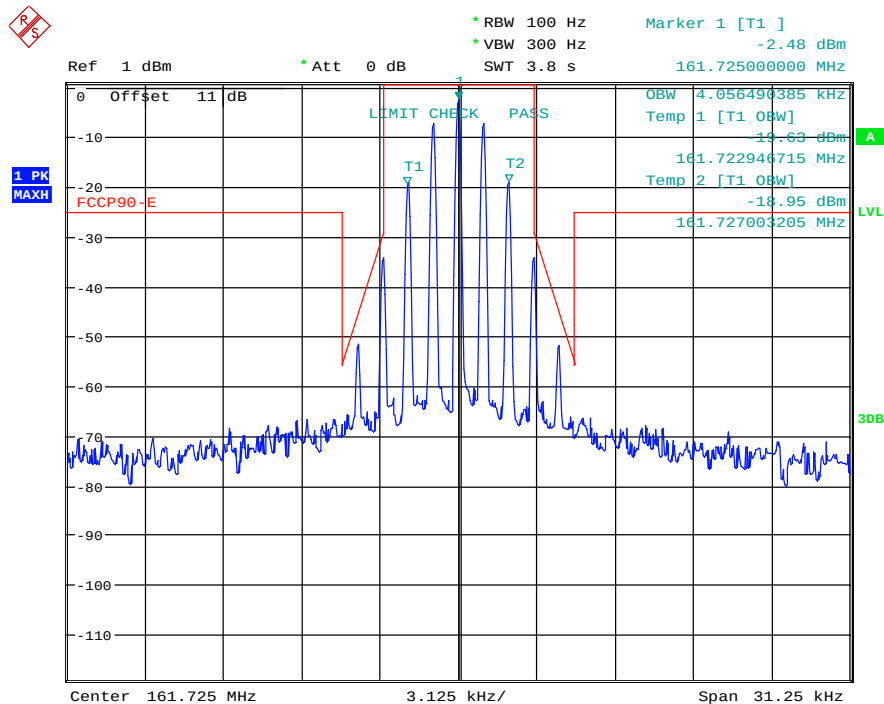
Registration number: W6M21909-19340-C-1

FCC ID: LEA-BOOSTER

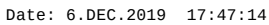
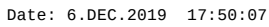
Output

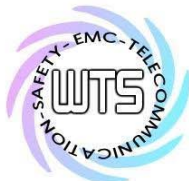


Date: 6.DEC.2019 17:47:39

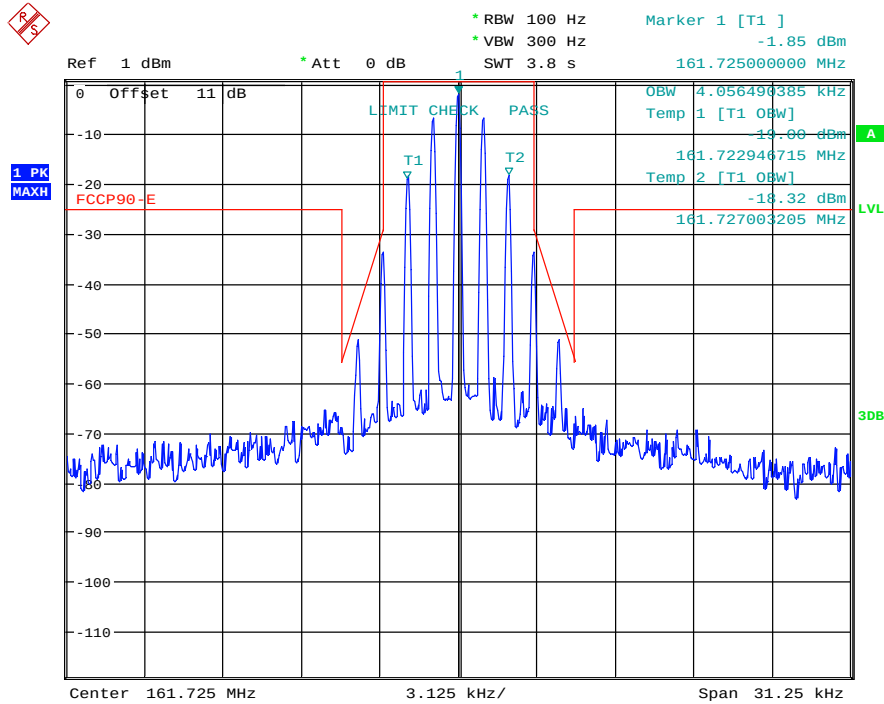


Date: 6.DEC.2019 17:48:12

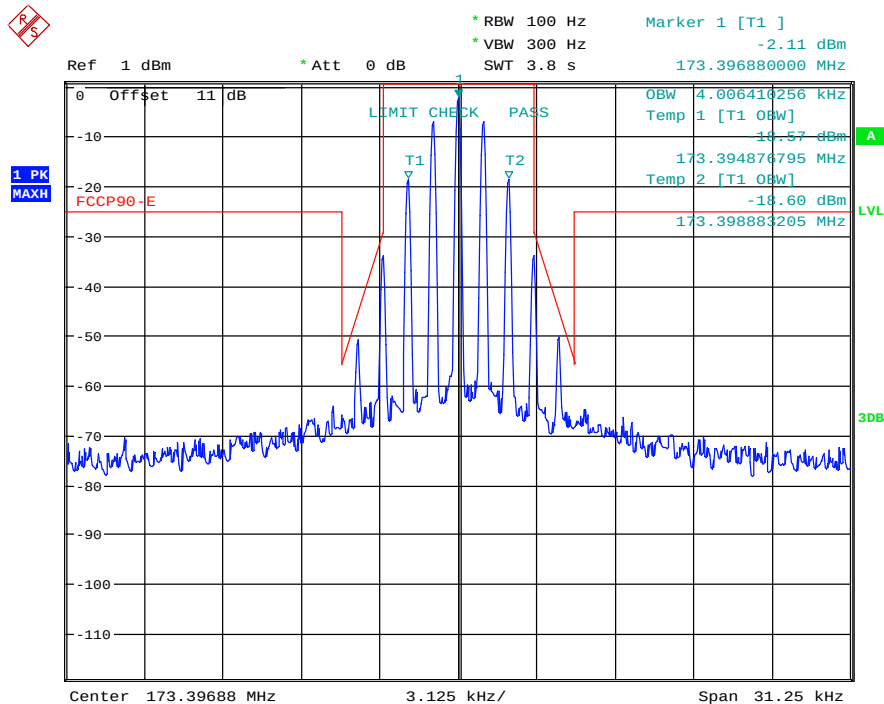




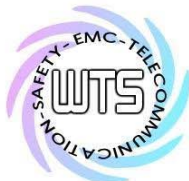
Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER



Date: 6.DEC.2019 17:48:31



Date: 6.DEC.2019 17:49:25

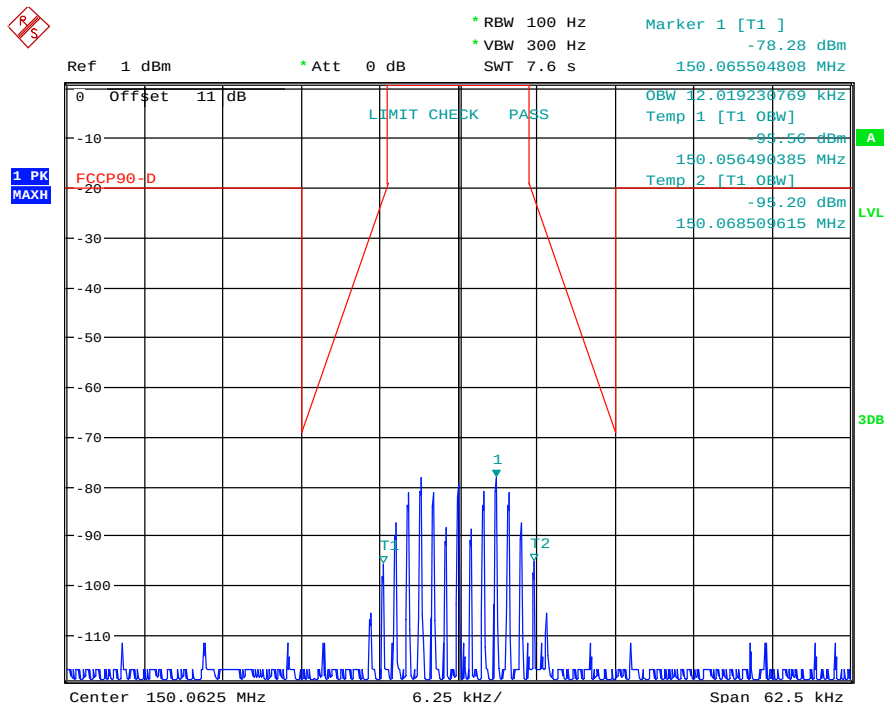


Registration number: W6M21909-19340-C-1

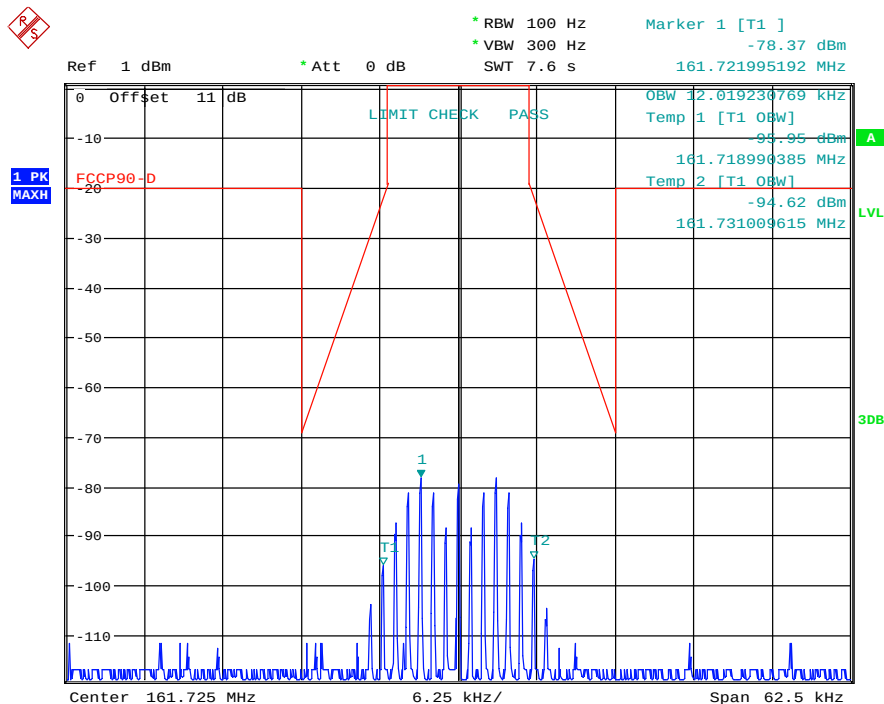
FCC ID: LEA-BOOSTER

11K3F3E

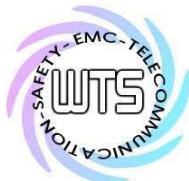
Input



Date: 6.DEC.2019 17:05:51

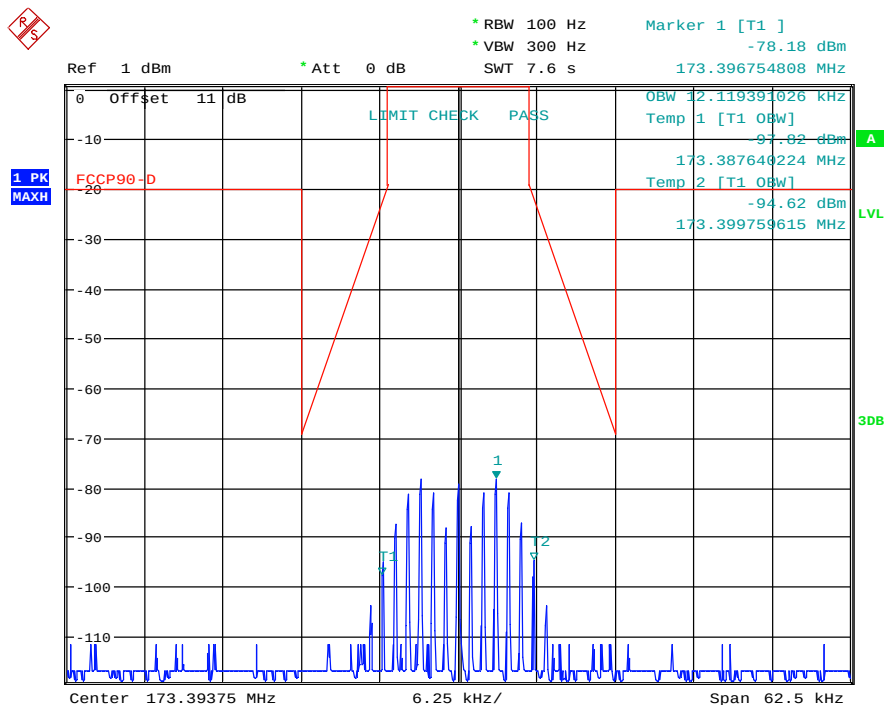


Date: 6.DEC.2019 17:07:33



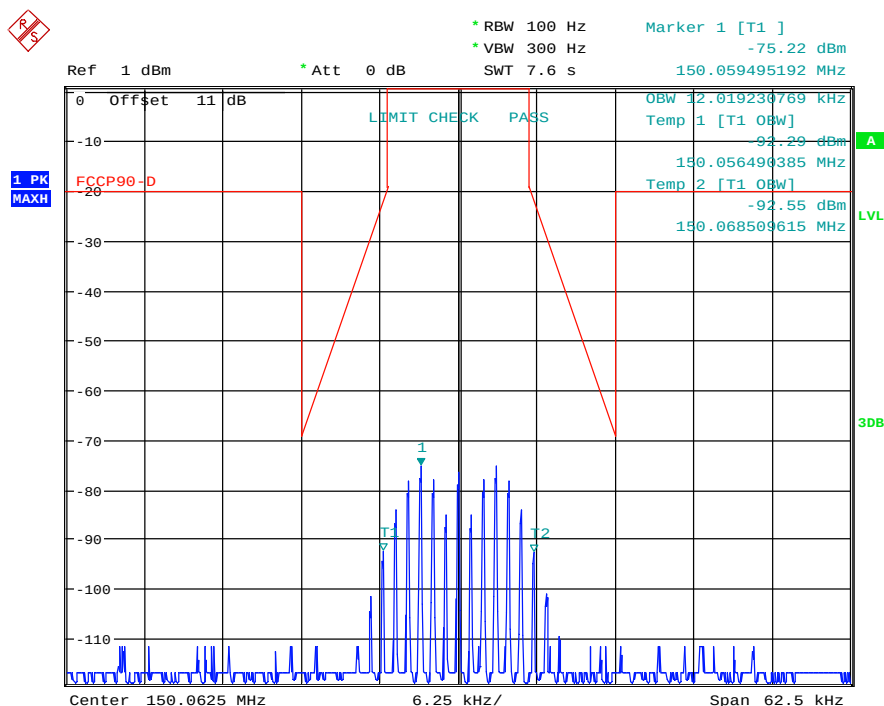
Registration number: W6M21909-19340-C-1

FCC ID: LEA-BOOSTER

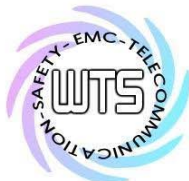


Date: 6.DEC.2019 17:08:29

+3dB



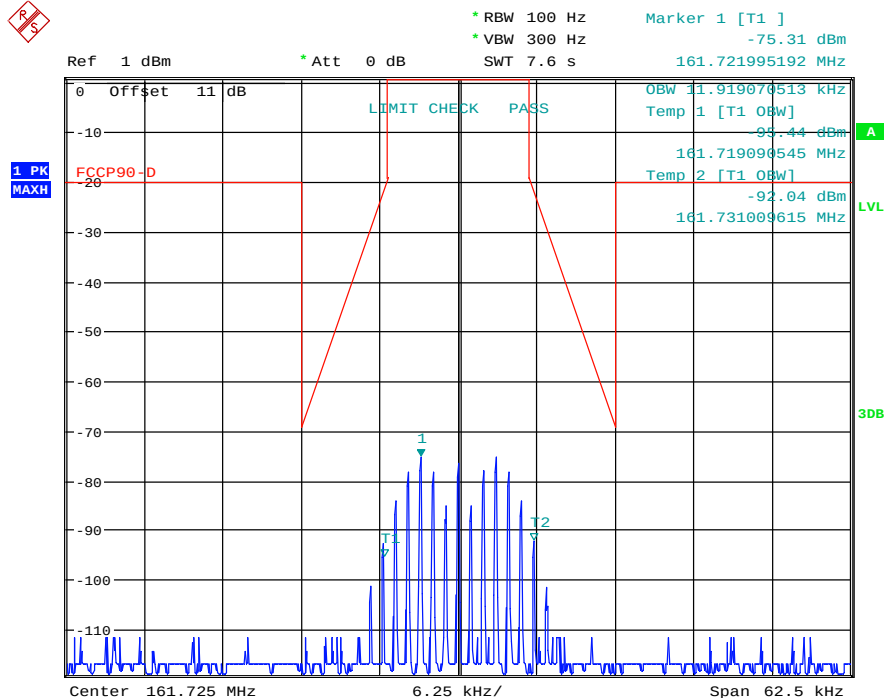
Date: 6.DEC.2019 17:06:28



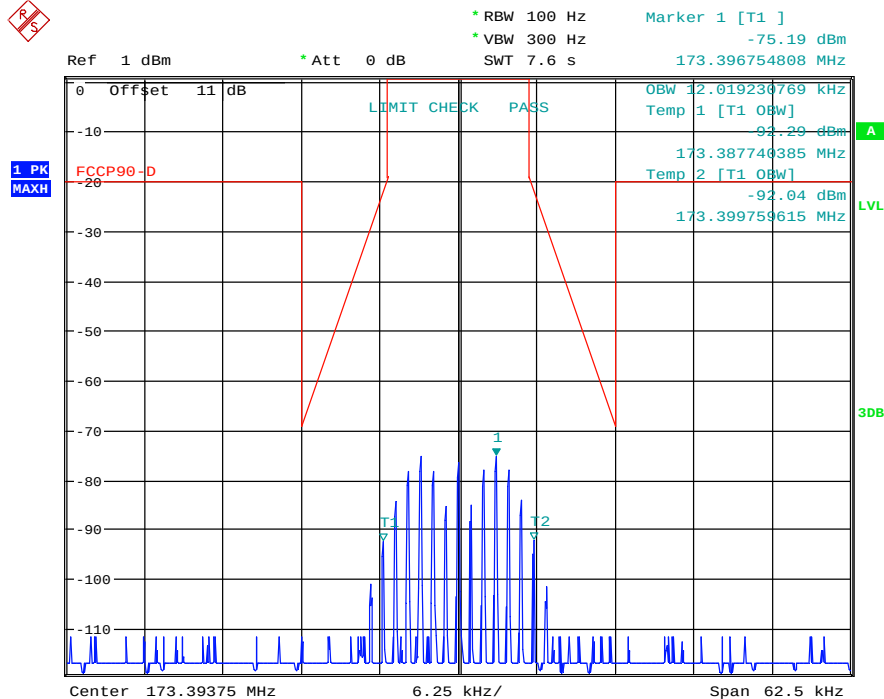
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1

FCC ID: LEA-BOOSTER

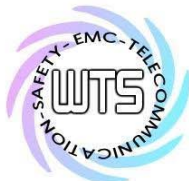


Date: 6.DEC.2019 17:07:12



Date: 6.DEC.2019 17:08:50



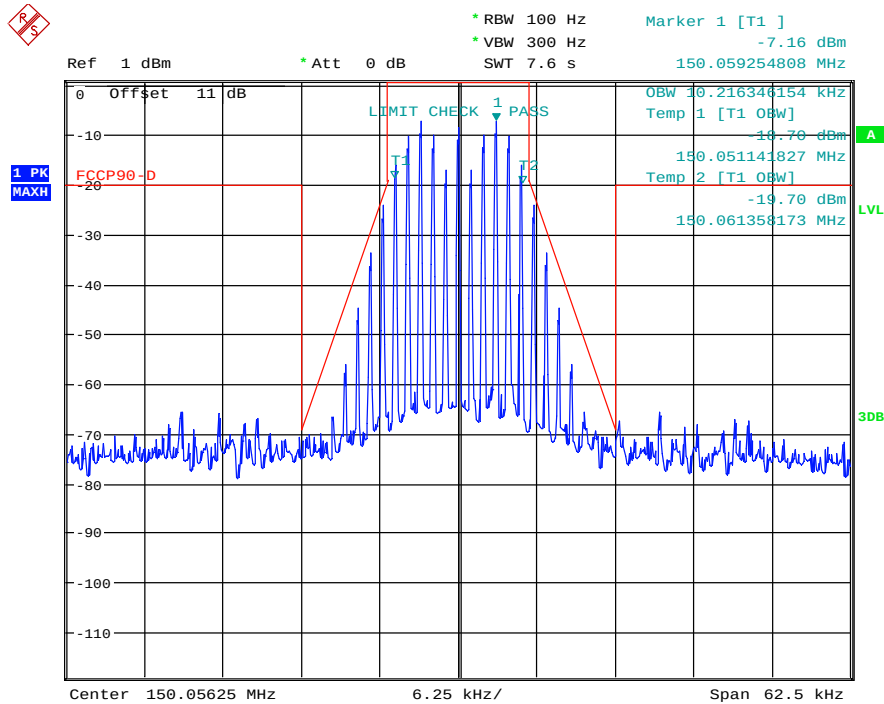


# Worldwide Testing Services(Taiwan) Co., Ltd.

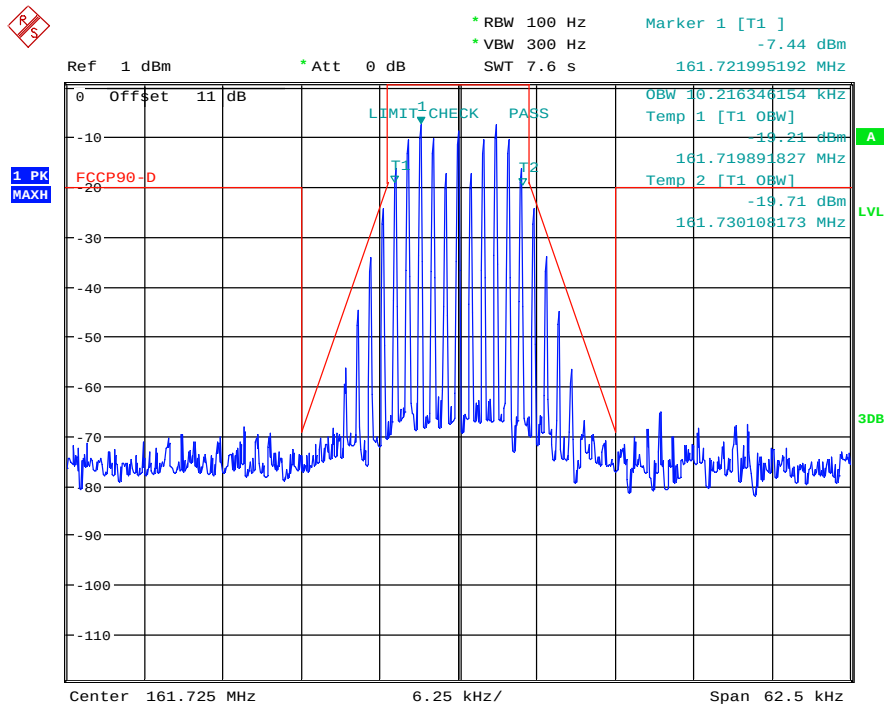
Registration number: W6M21909-19340-C-1

FCC ID: LEA-BOOSTER

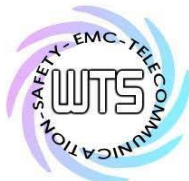
Output



Date: 6.DEC.2019 17:10:49

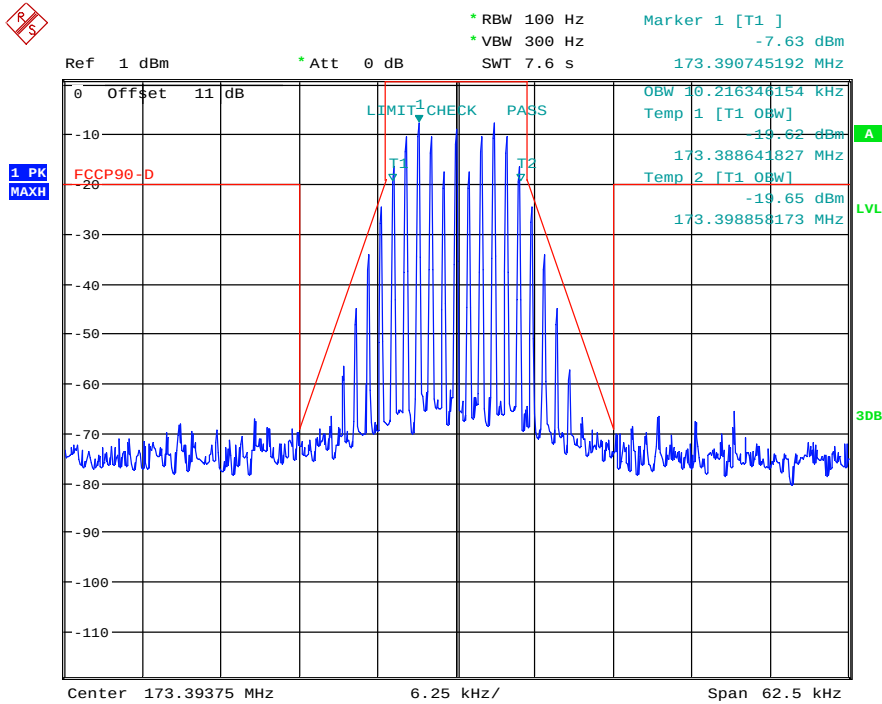


Date: 6.DEC.2019 17:12:32



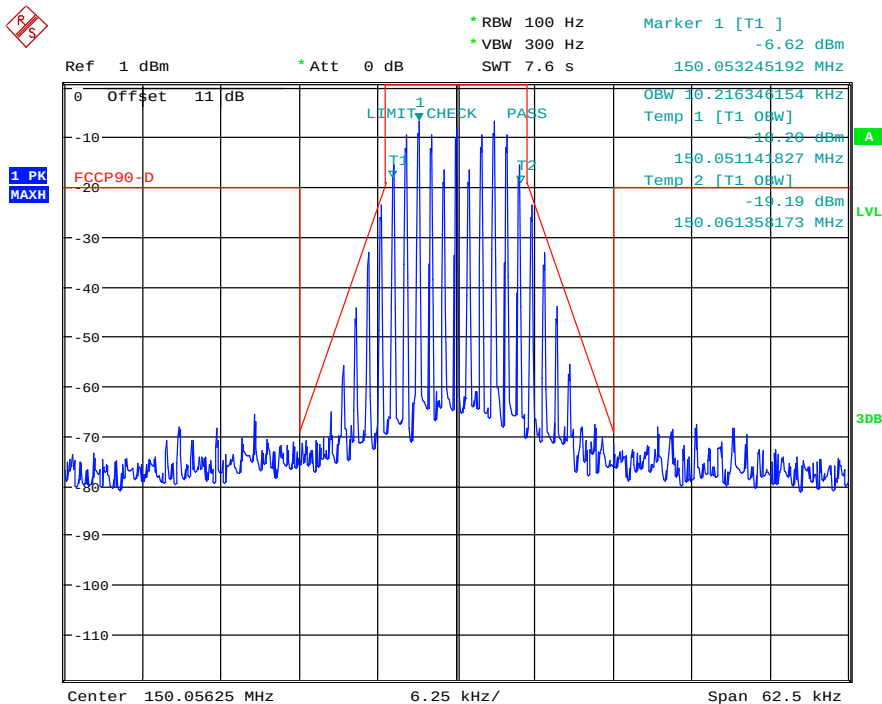
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

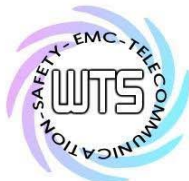


Date: 6.DEC.2019 17:13:30

+3dB

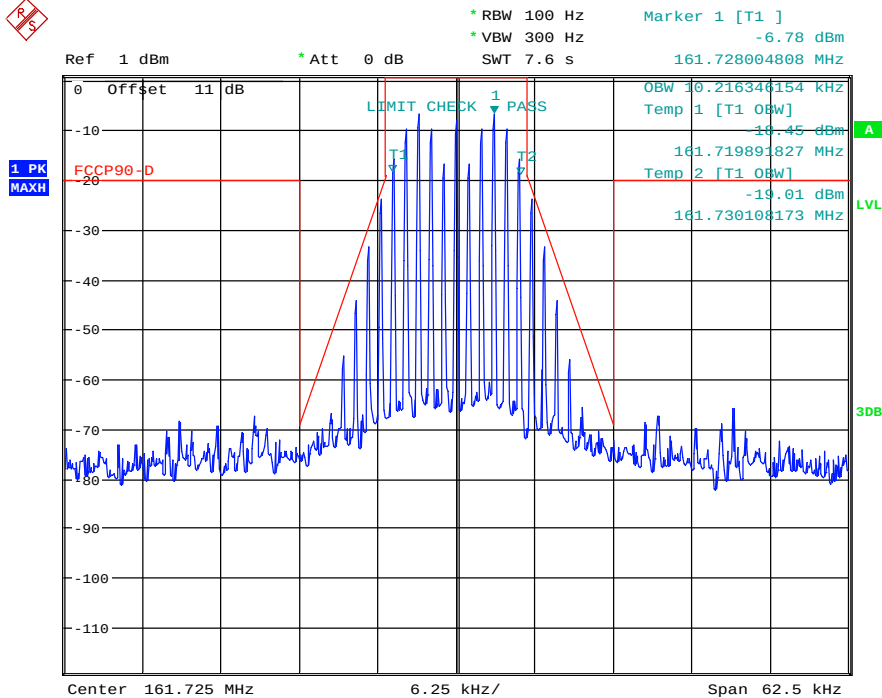


Date: 6.DEC.2019 17:11:21

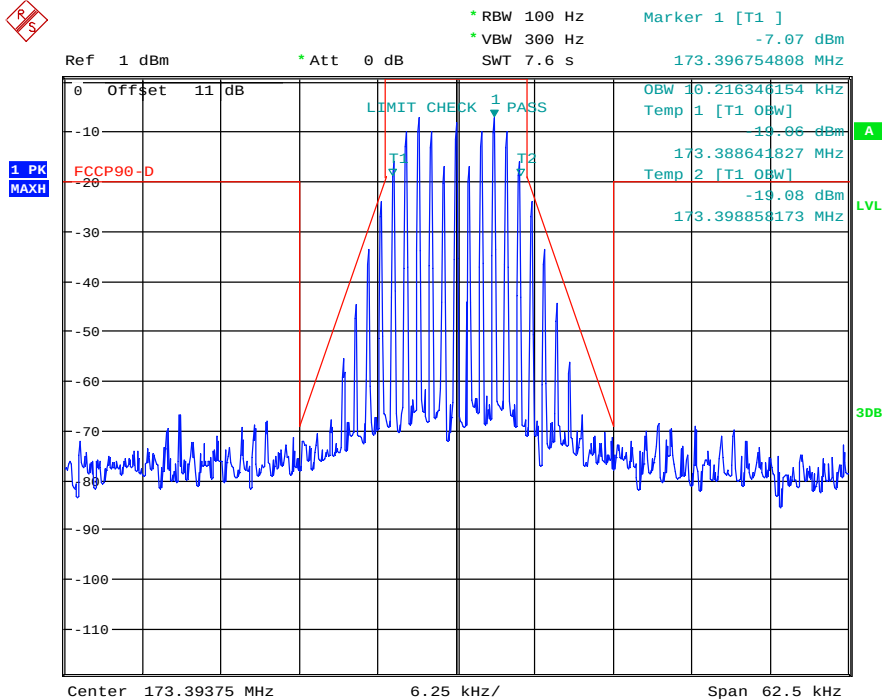


# Worldwide Testing Services(Taiwan) Co., Ltd.

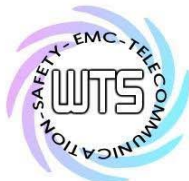
Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER



Date: 6.DEC.2019 17:12:09



Date: 6.DEC.2019 17:13:52



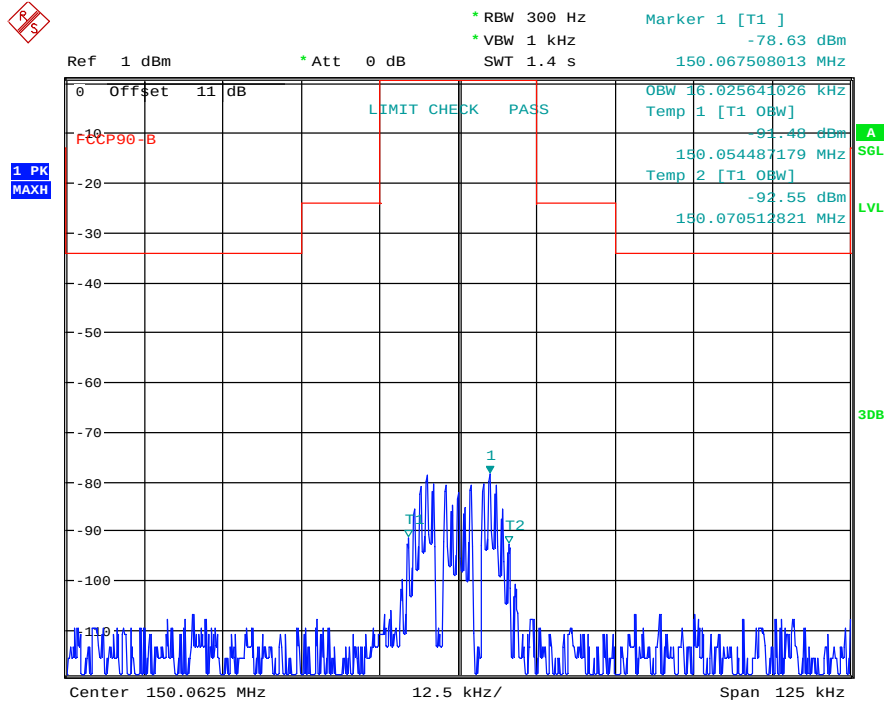
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1

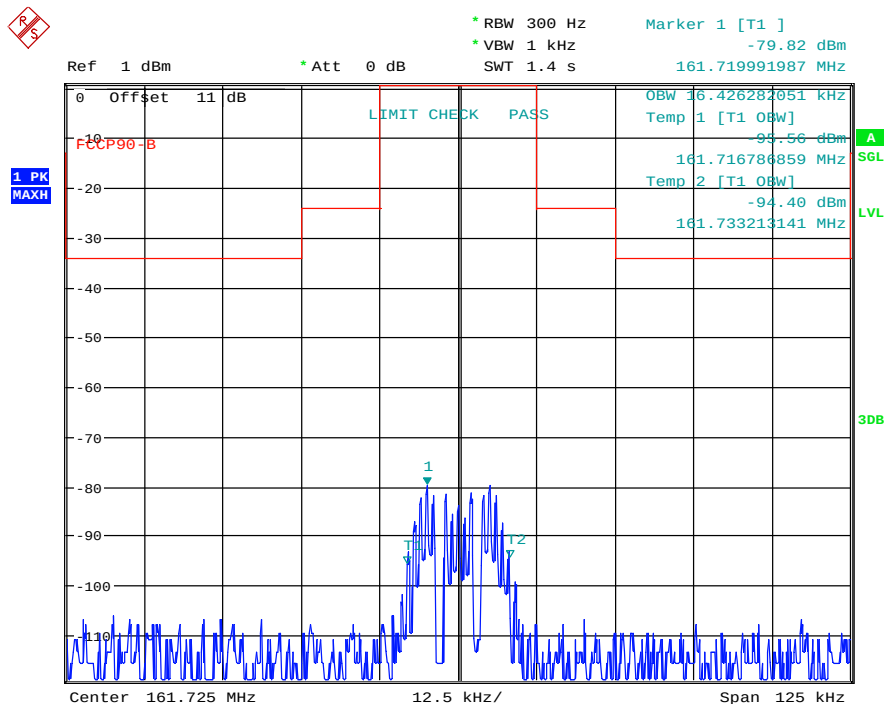
FCC ID: LEA-BOOSTER

16K0F3E

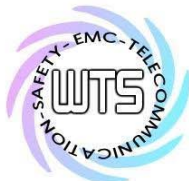
Input



Date: 6.DEC.2019 20:07:37

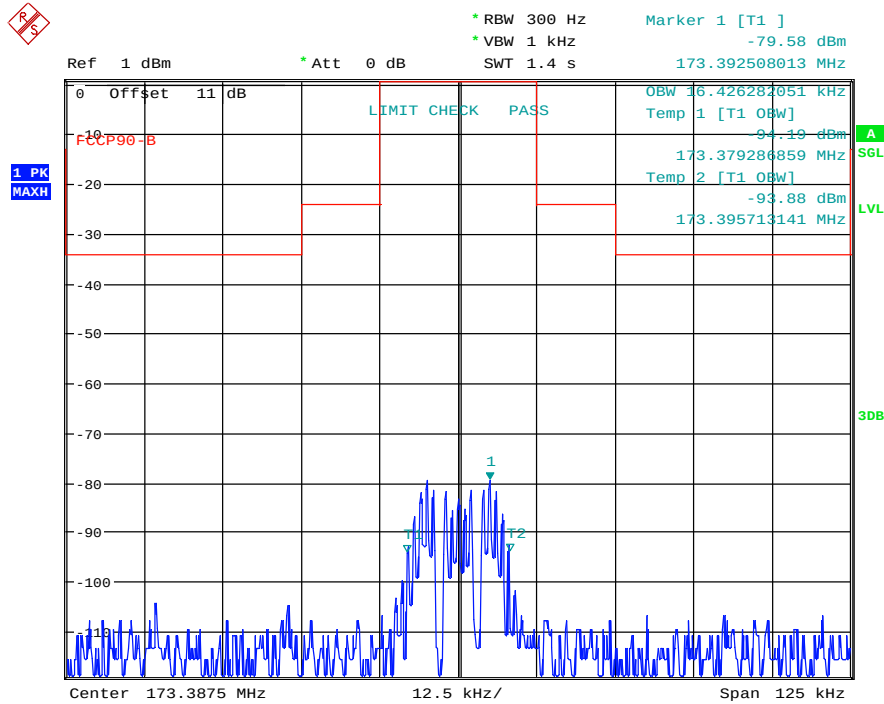


Date: 6.DEC.2019 20:09:16



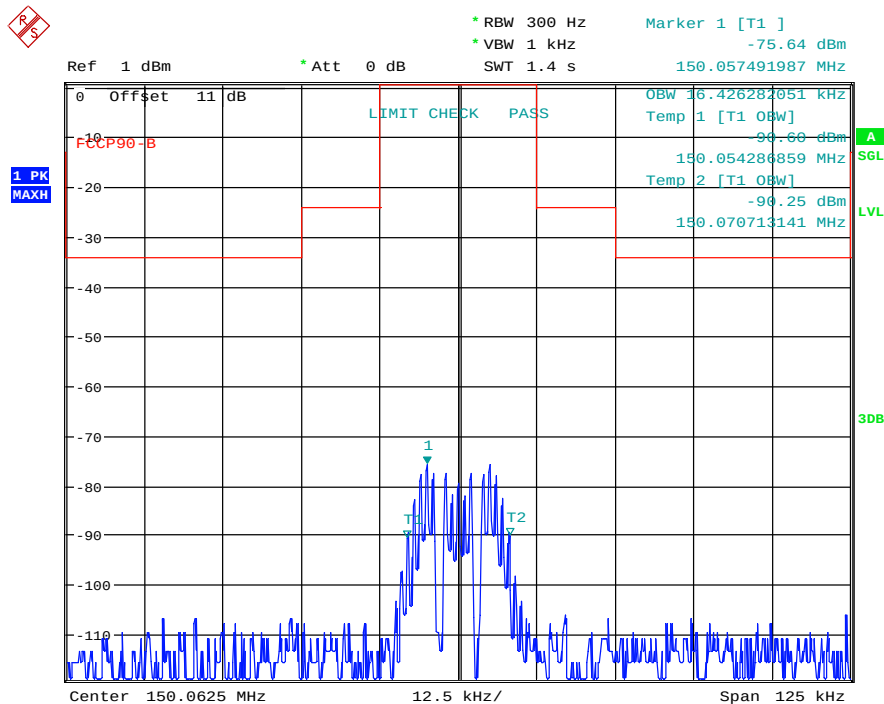
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

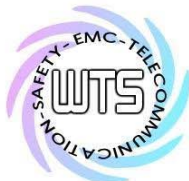


Date: 6.DEC.2019 20:10:24

+3dB

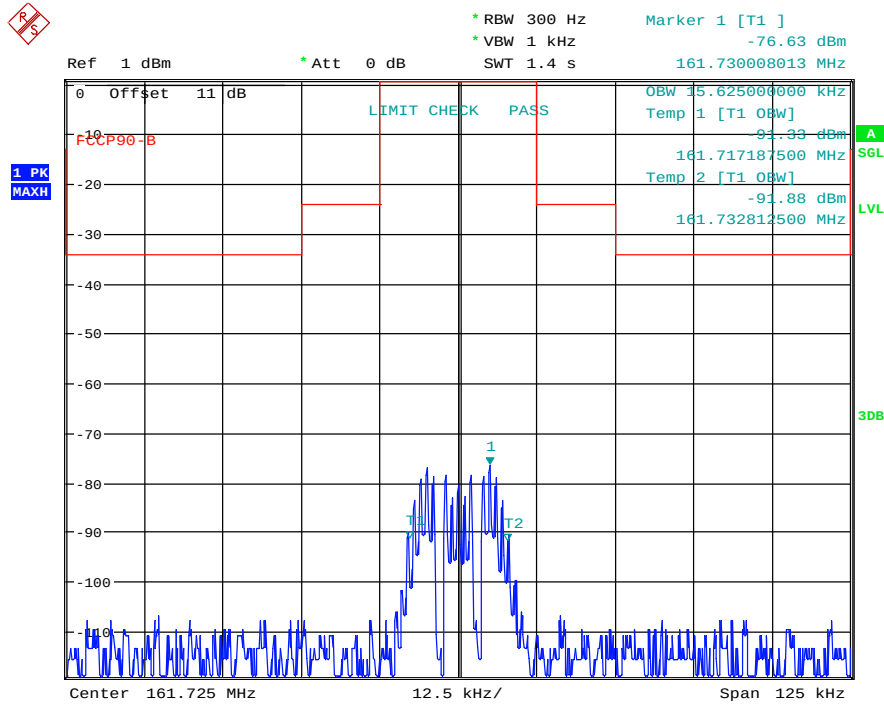


Date: 6.DEC.2019 20:08:16

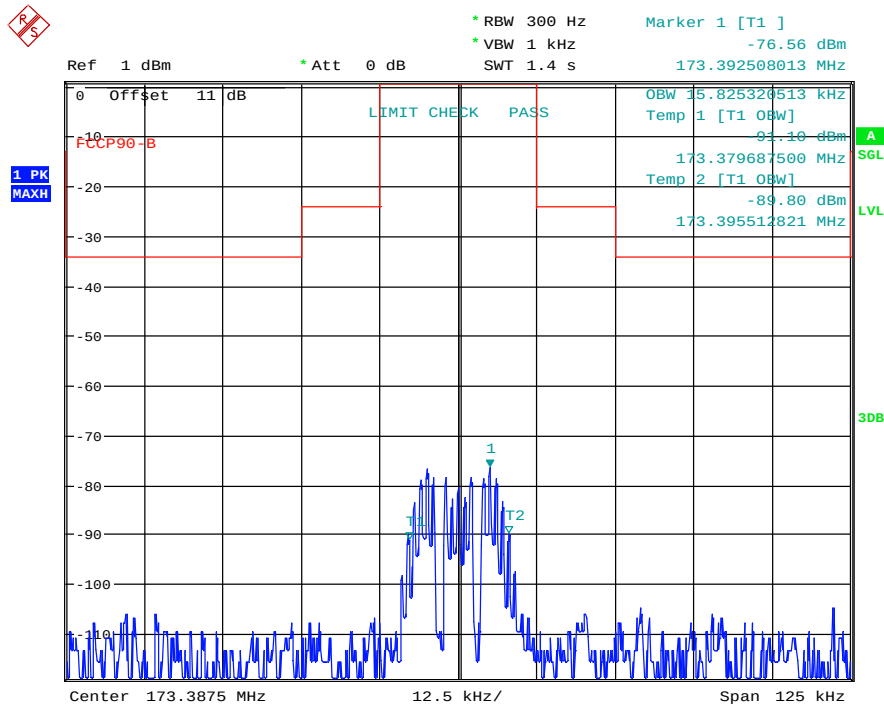


# Worldwide Testing Services(Taiwan) Co., Ltd.

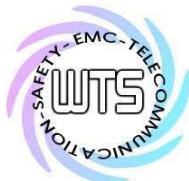
Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER



Date: 6.DEC.2019 20:09:33



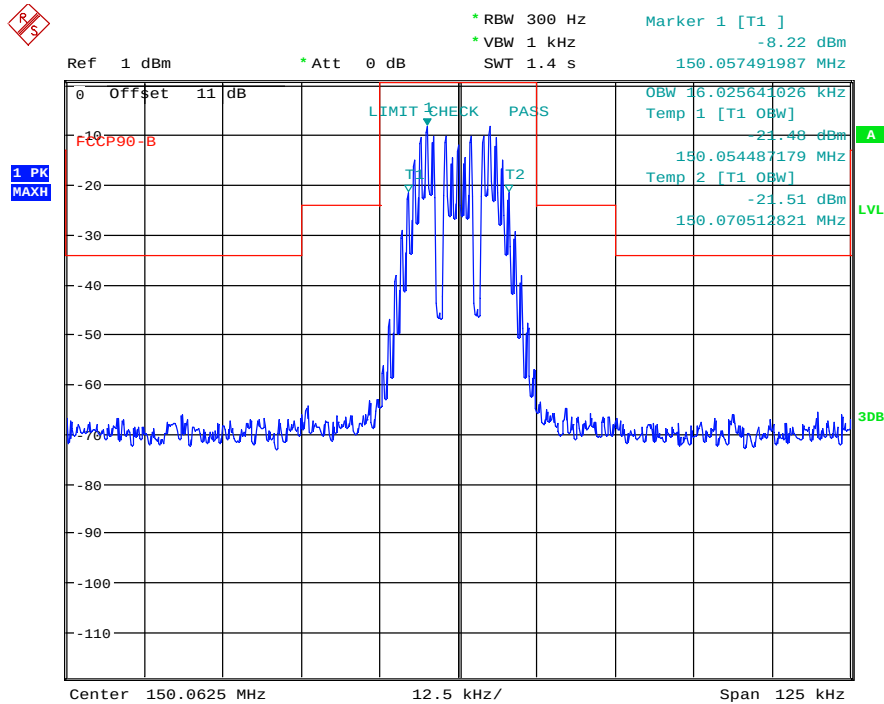
Date: 6.DEC.2019 20:10:00



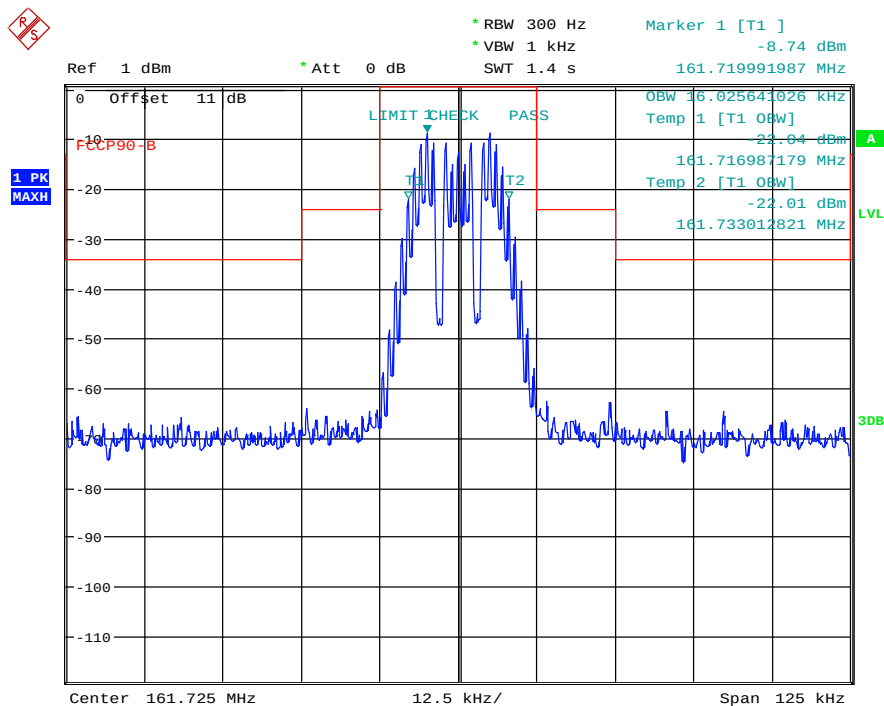
Registration number: W6M21909-19340-C-1

FCC ID: LEA-BOOSTER

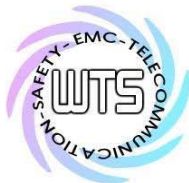
Output



Date: 6.DEC.2019 20:12:06

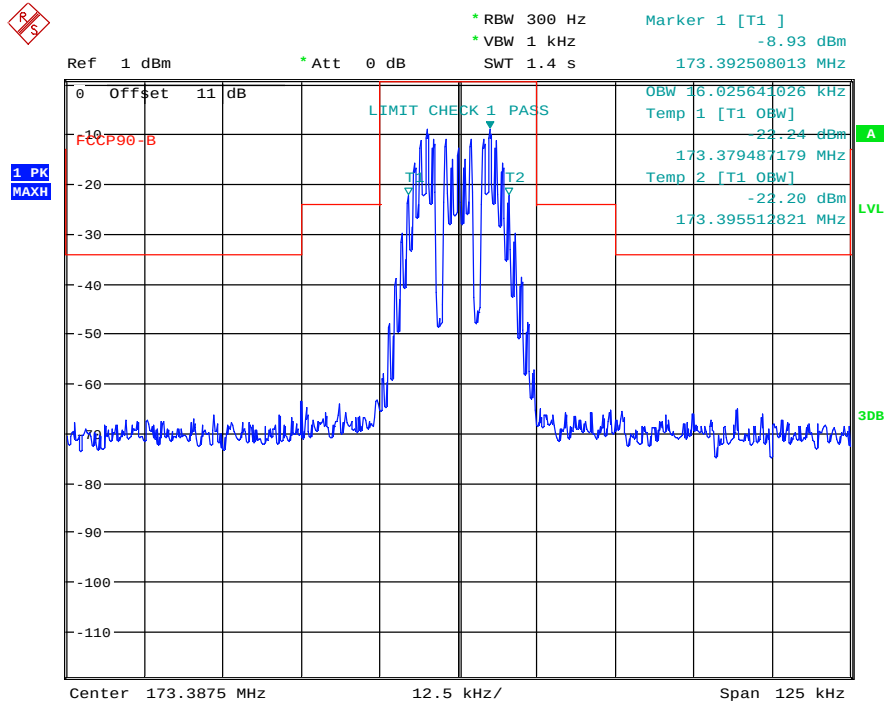


Date: 6.DEC.2019 20:13:16



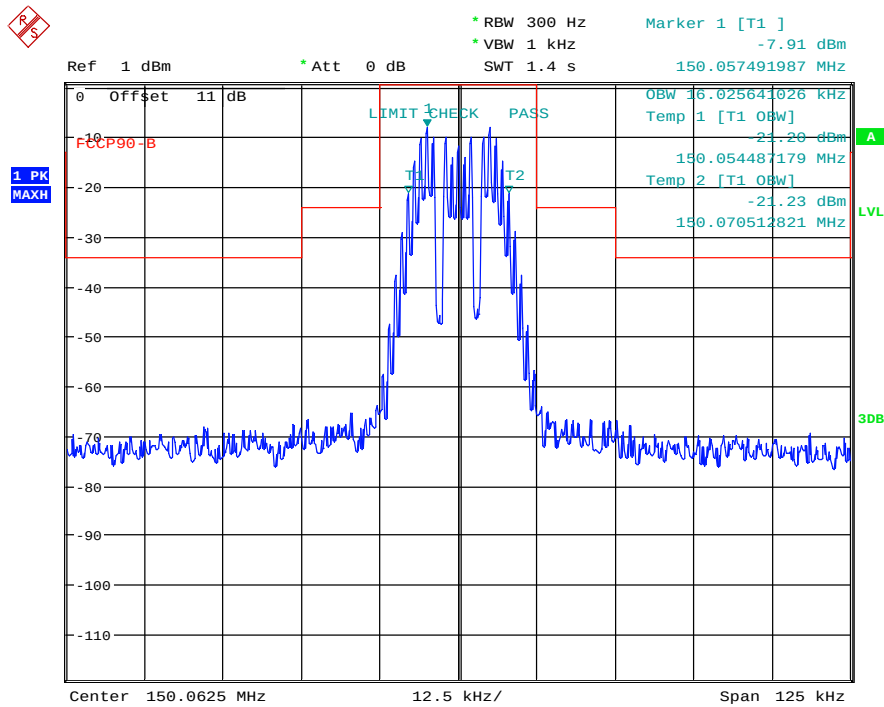
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER



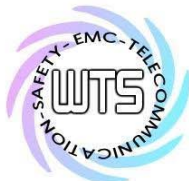
Date: 6.DEC.2019 20:13:40

+3dB



Date: 6.DEC.2019 20:12:23

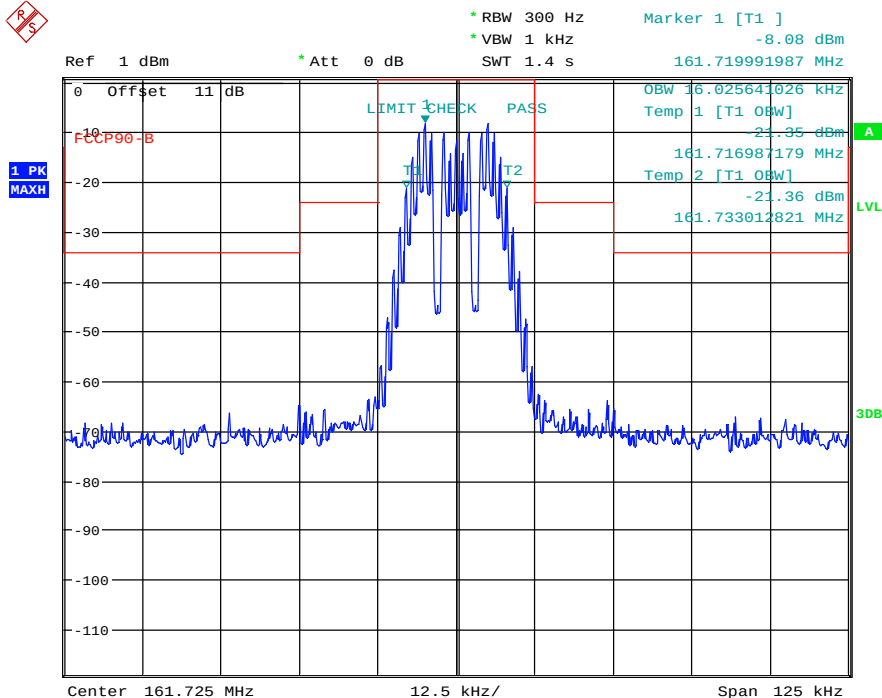




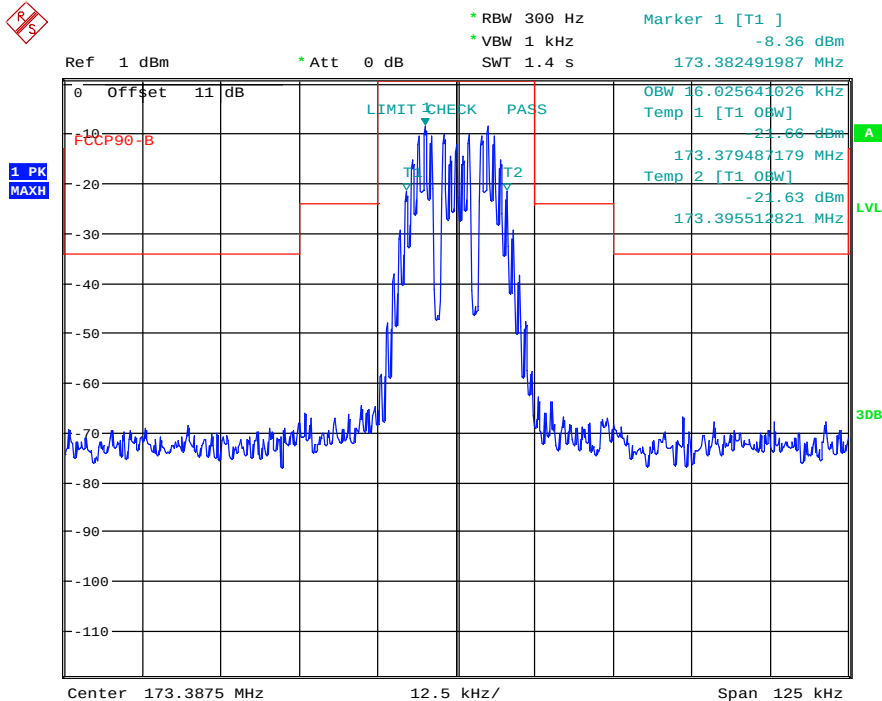
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1

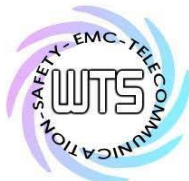
FCC ID: LEA-BOOSTER



Date: 6.DEC.2019 20:12:59



Date: 6.DEC.2019 20:13:57

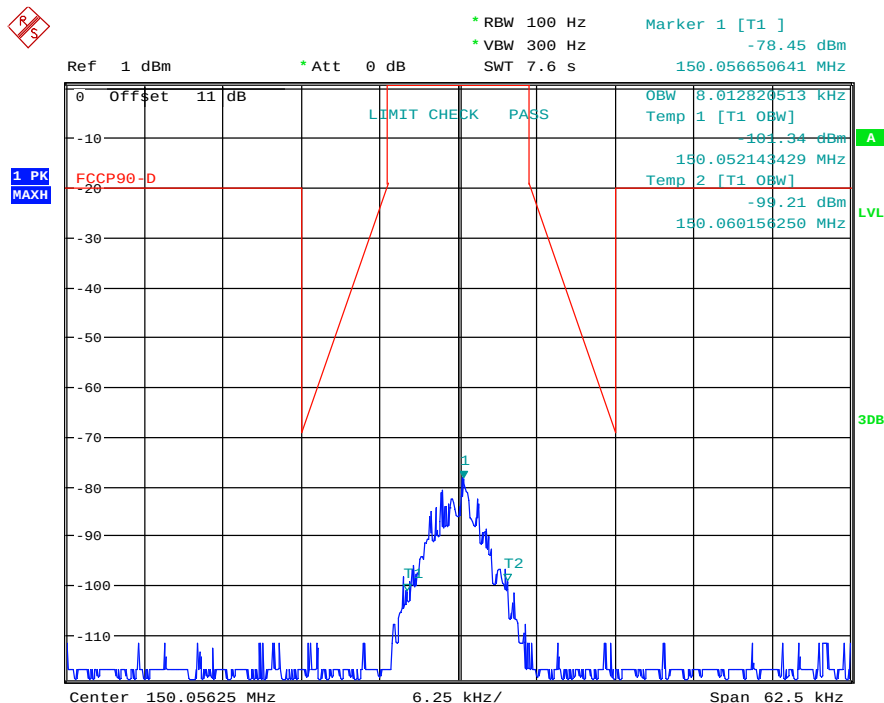


Registration number: W6M21909-19340-C-1

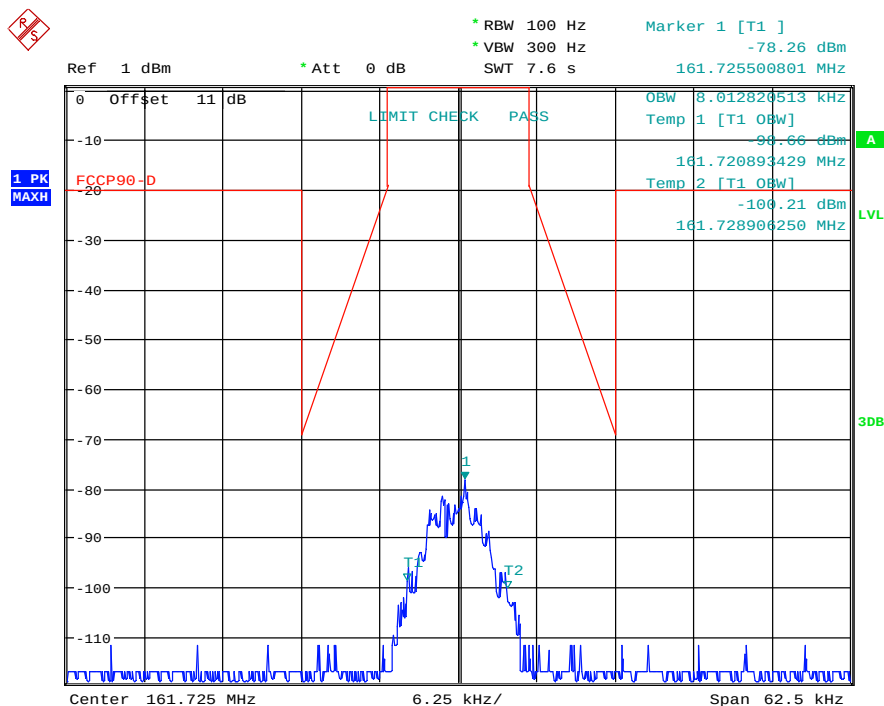
FCC ID: LEA-BOOSTER

P25 Phrase

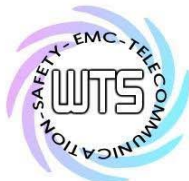
Input



Date: 6.DEC.2019 18:02:50



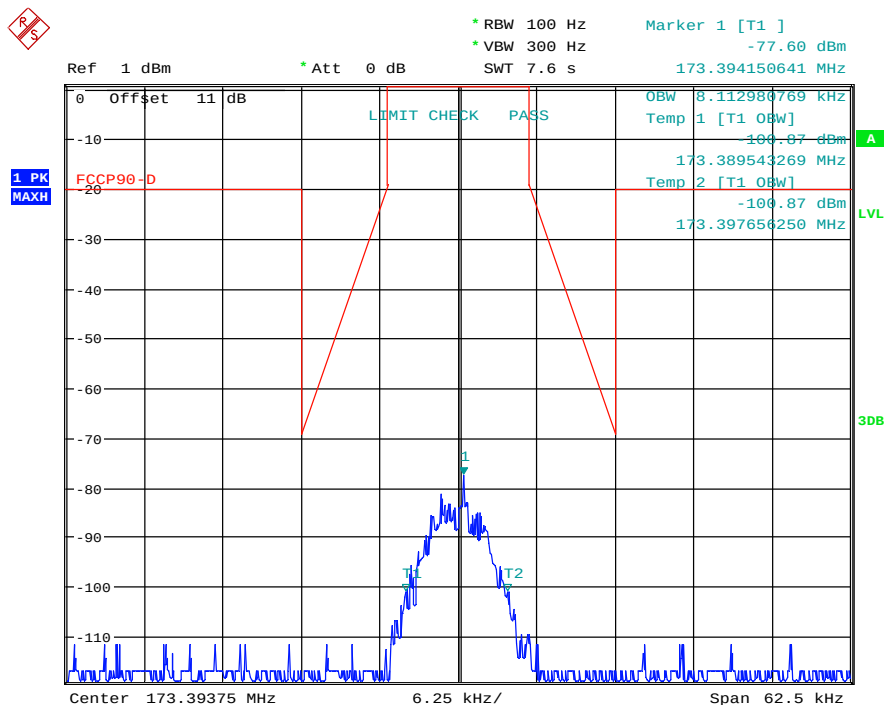
Date: 6.DEC.2019 18:01:04



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

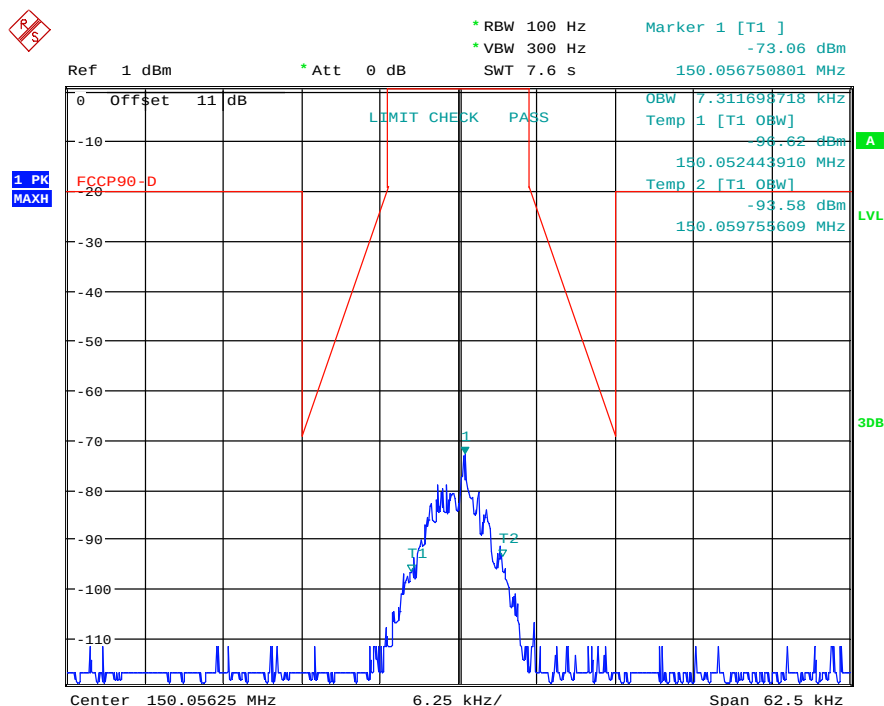
Registration number: W6M21909-19340-C-1

FCC ID: LEA-BOOSTER

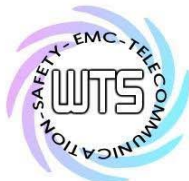


Date: 6.DEC.2019 18:00:25

+3dB

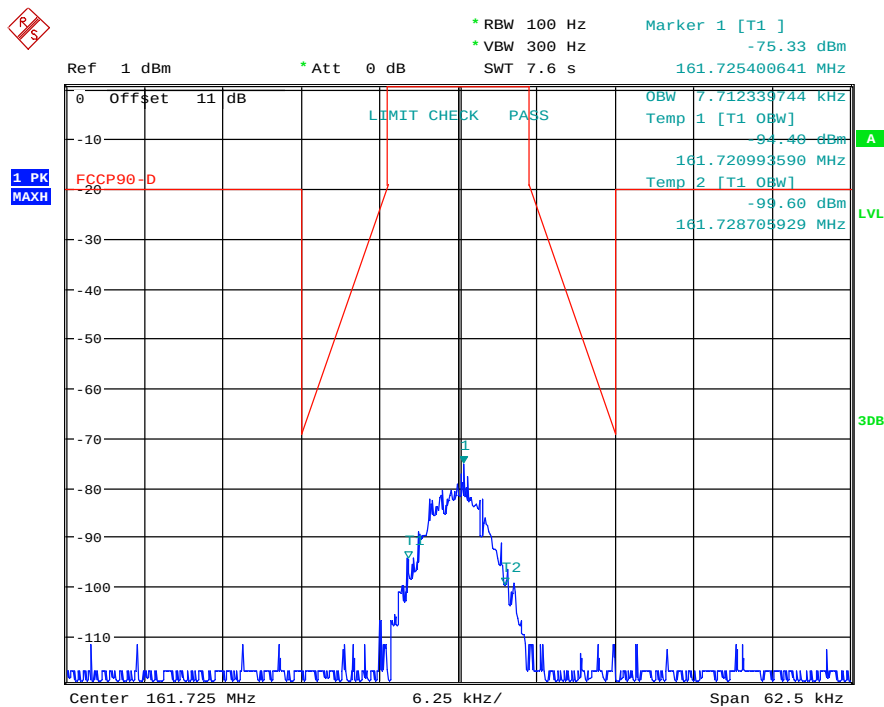


Date: 6.DEC.2019 18:02:20

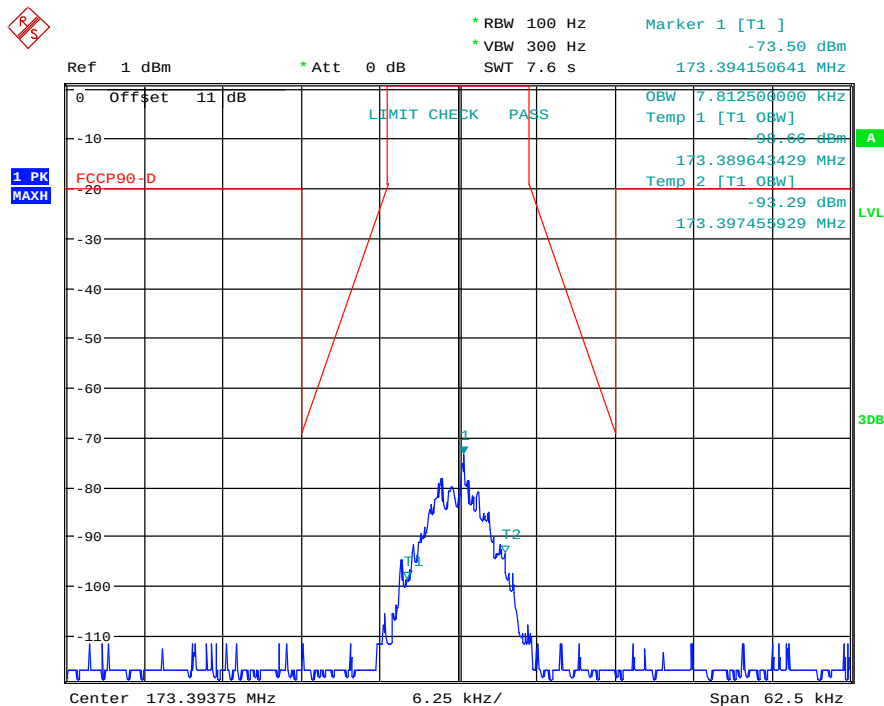


Registration number: W6M21909-19340-C-1

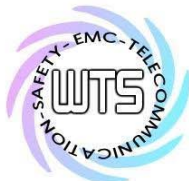
FCC ID: LEA-BOOSTER



Date: 6.DEC.2019 18:01:31



Date: 6.DEC.2019 18:00:05

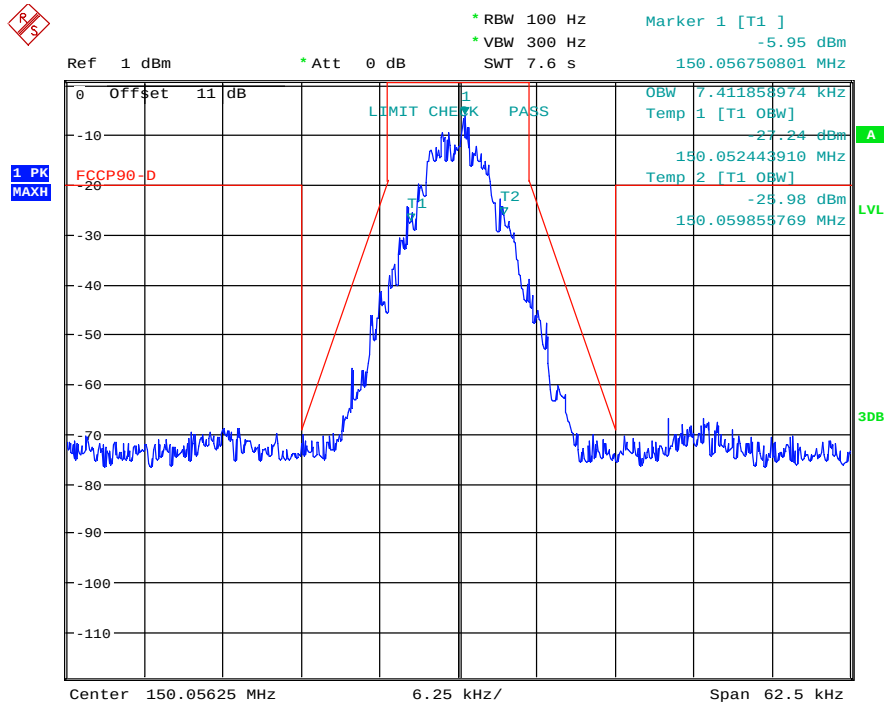


# Worldwide Testing Services(Taiwan) Co., Ltd.

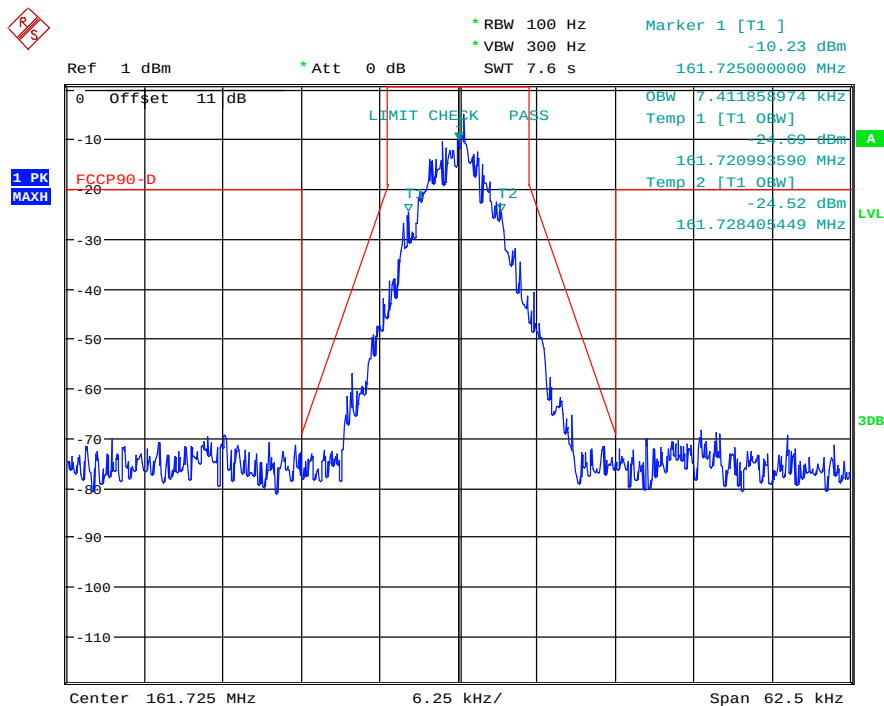
Registration number: W6M21909-19340-C-1

FCC ID: LEA-BOOSTER

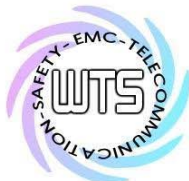
Output



Date: 6.DEC.2019 17:55:20

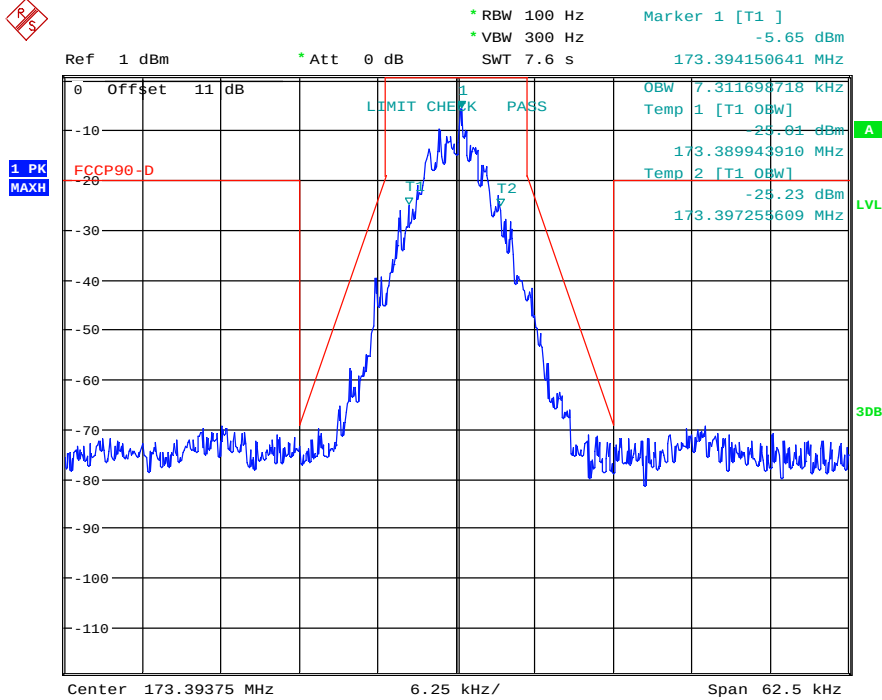


Date: 6.DEC.2019 17:57:29



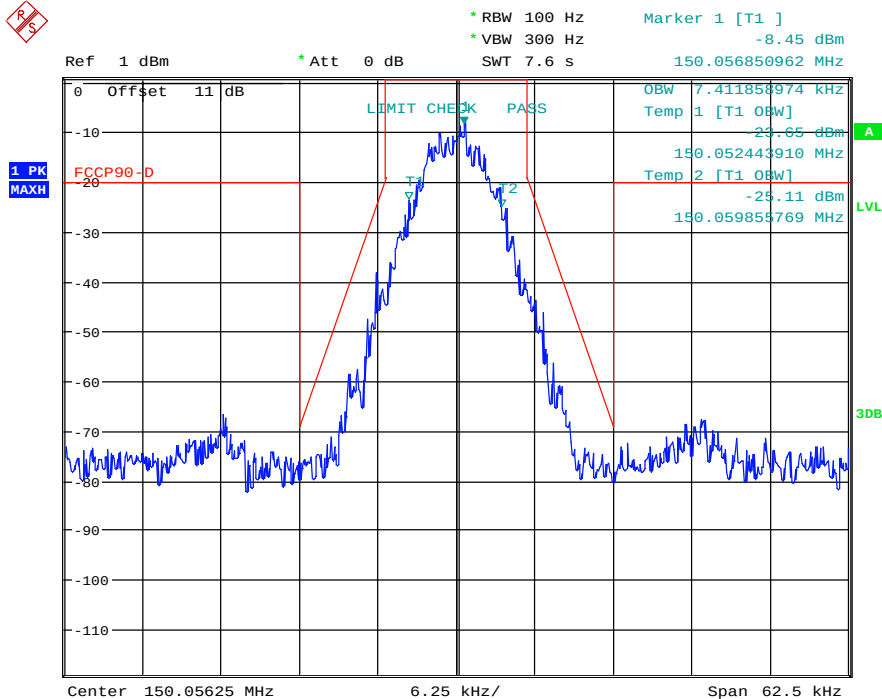
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

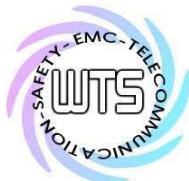


Date: 6.DEC.2019 17:58:20

+3dB

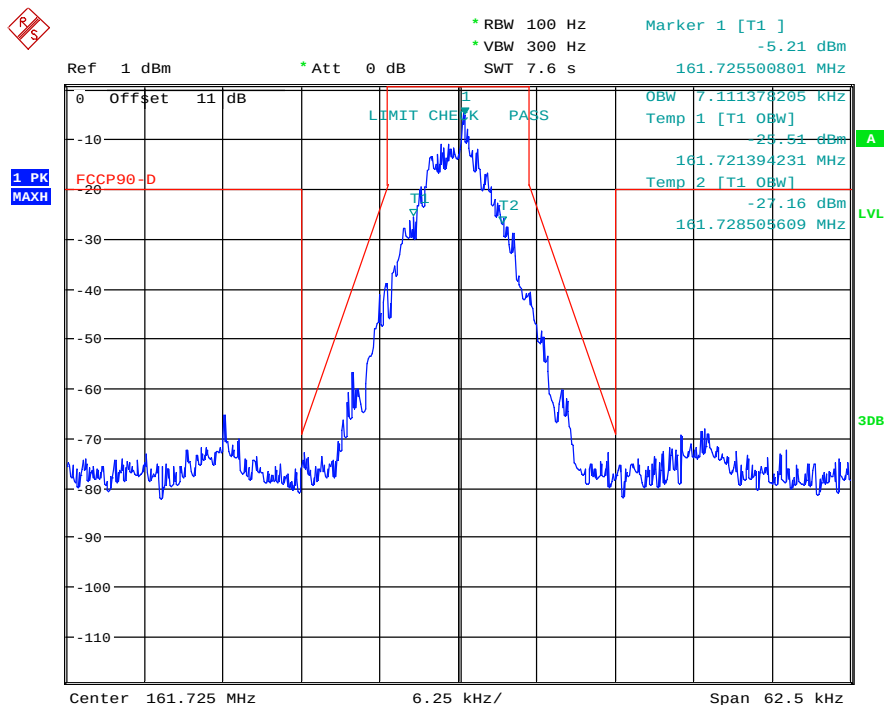


Date: 6.DEC.2019 17:55:53

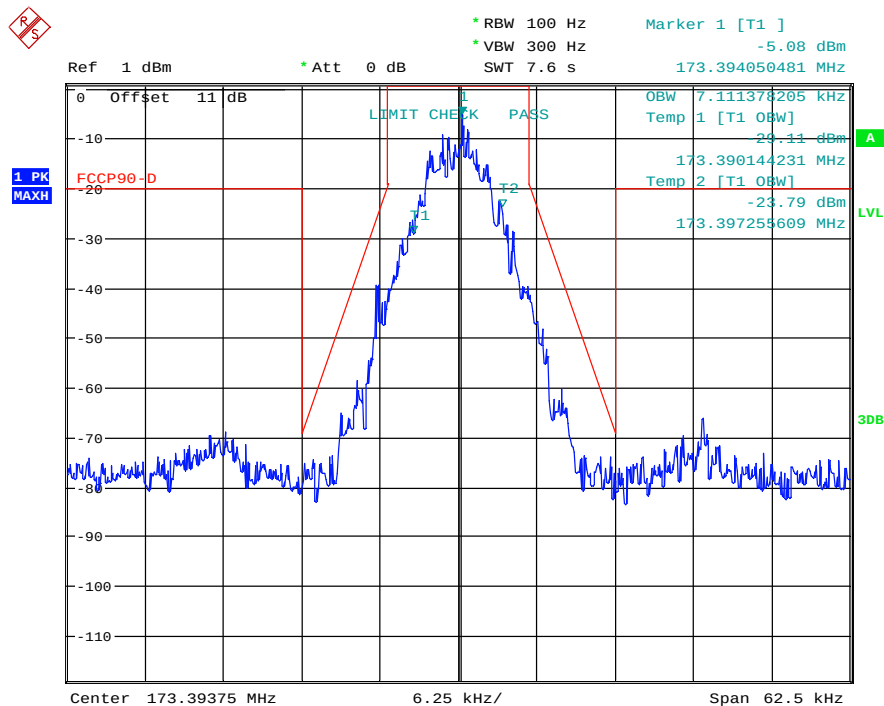


Registration number: W6M21909-19340-C-1

FCC ID: LEA-BOOSTER

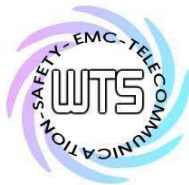


Date: 6.DEC.2019 17:56:49



Date: 6.DEC.2019 17:58:42

Test equipment used: ETSTW-RE 050, ETSTW-RE 055, ETSTW-RE 122



## **7. Input/output power and amplifier/booster gain**

### **Measuring input and output power levels for determining amplifier/booster gain**

Apply the same guidance as in 3.5.2 to measure the maximum input and output power levels necessary for computing the mean EUT gain, but with the following modifications:

- a) Configure the signal generator for CW operation, instead of AWGN,
- b) Select the spectrum analyzer positive peak detector, instead of the power averaging (rms) detector,
- c) Activate the max hold function, instead of the trace averaging function,
- d) Use in conjunction with the guidance in 4.5.3.

### **Power measurement Method 1: using a spectrum or signal analyzer**

- a) Set the frequency span to at least 1 MHz.
- b) Set RBW = 100 kHz.
- c) Set VBW  $\geq 3 \times$  RBW.
- d) Set the detector to PEAK, and trace mode to MAX HOLD.
- e) Place a marker on the peak of the signal, and record the value as the maximum power.
- f) Repeat step e) but with the EUT in place.
- g) EUT gain may be calculated as described in 4.5.5.

### **Power measurement Method 2: using a power meter**

As an alternative to measuring the input and output power levels with a spectrum or signal analyzer, a broadband RF power meter may be used with an appropriate detector. EUT gain may be calculated as described in 4.5.5.

### **Calculating amplifier, repeater, or industrial booster gain**

NOTE—Sections 90.219 and 2.1033(c) do not require gain test data; inclusion of industrial booster gain test data in test reports submitted for FCC equipment authorization is optional.

After the input and output power levels have been measured as described in the preceding subclauses, the gain of the EUT can be determined from:

Gain (dB) = output power (dBm) – input power (dBm).

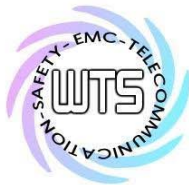
Report the gain for each authorized operating frequency band, and each test signal stimulus.

## **7.1 Test Result**

Explanation: For test results, please refer to CH 4.1.

Test equipment used: ETSTW-RE 050, ETSTW-RE 055, ETSTW-RE 122





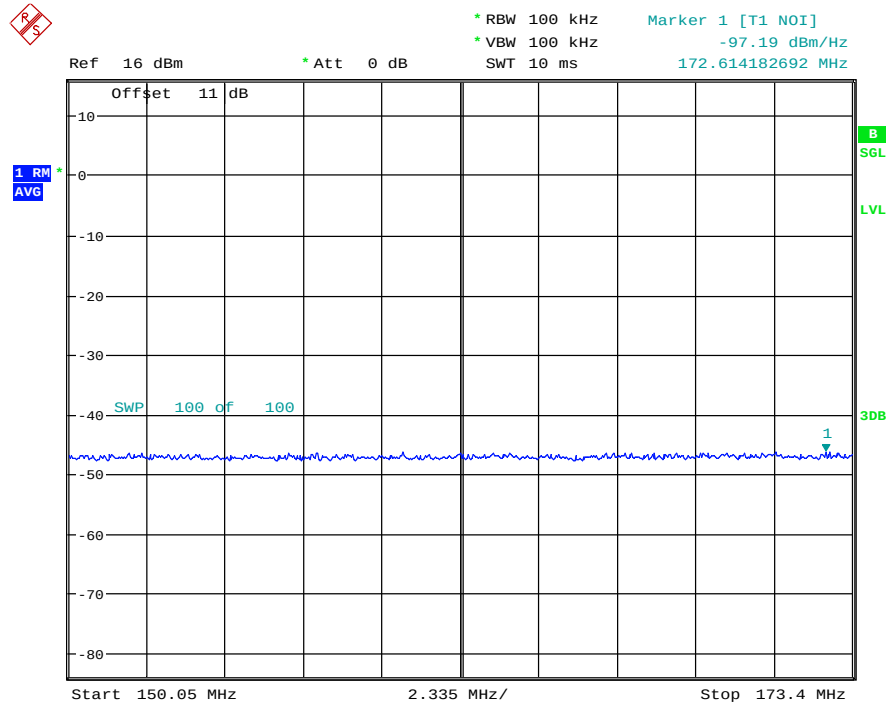
Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

## 8. Noise figure measurements

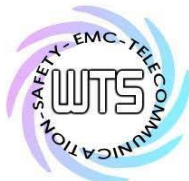
Section 90.219(e)(2) limits the noise figure of a signal booster to  $\leq 9$  dB in either direction. The following discussion provides guidance for demonstrating compliance with this requirement.

Several widely recognized methods for performing noise figure measurements are available. Some require the use of specialized equipment, such as a noise figure analyzer and/or an excess noise ratio (ENR) calibrated noise source, while others involve the use of conventional measurement instrumentation such as a spectrum analyzer. Methods that require use of a noise figure analyzer are generally accepted as producing the most accurate results, and are considered to be the reference method within this document, while others are considered to be acceptable alternative methods. Consult the relevant instrumentation application notes for detailed guidance regarding the selection and application of an appropriate methodology for performing noise figure measurements. Note also that noise figure measurements require that any AGC circuitry be disabled over the duration of the measurement.

### 8.1 Test Result



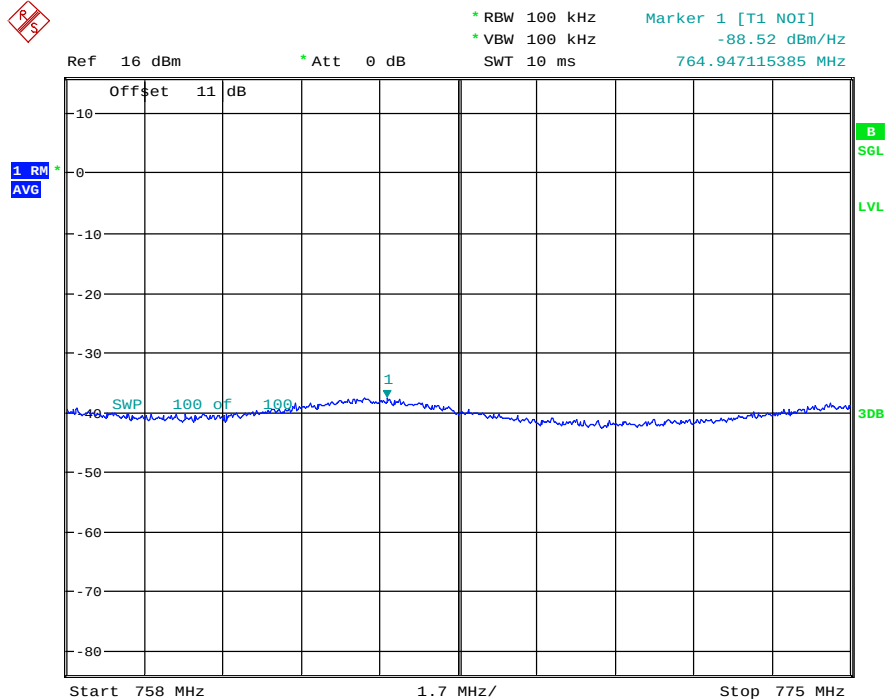
Date: 9.DEC.2019 17:21:09



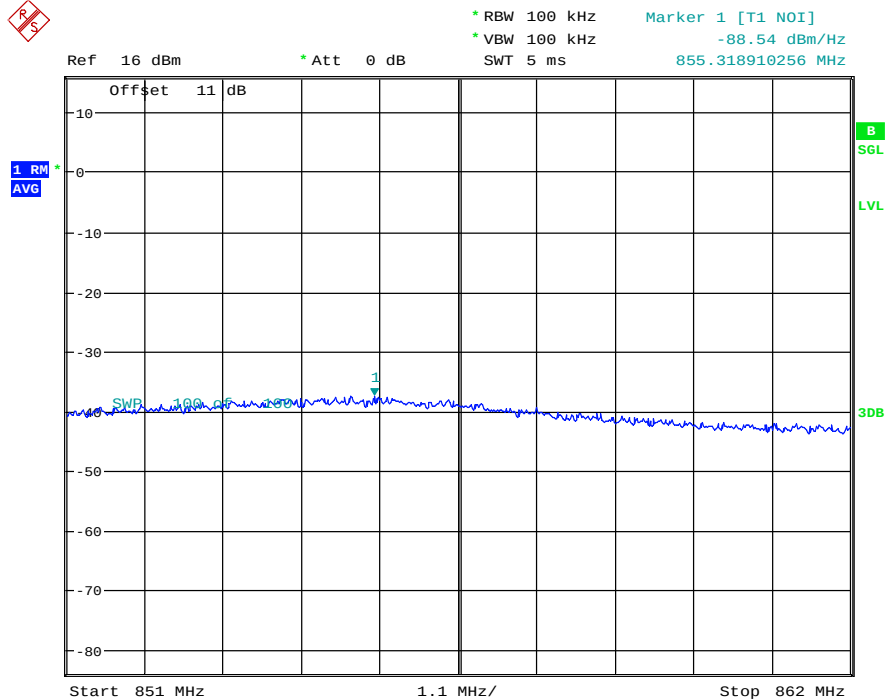
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1

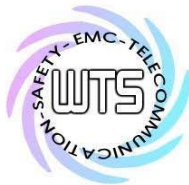
FCC ID: LEA-BOOSTER



Date: 9.DEC.2019 17:18:46



Date: 9.DEC.2019 17:19:28



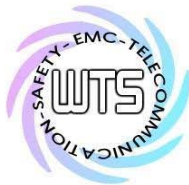
## **Worldwide Testing Services(Taiwan) Co., Ltd.**

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

| Noise figure measurements |               |      |       |              |
|---------------------------|---------------|------|-------|--------------|
| Test Band(MHz)            | Measure Value | KT0B | Gain  | Noise Figure |
| 150.05-173.4              | -97.19        | 174  | 72.18 | 4.63         |
| 758-775                   | -88.52        | 174  | 77.96 | 7.52         |
| 851-862                   | -88.54        | 174  | 78.60 | 6.86         |

Limit:  $\leq 9\text{dB}$

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



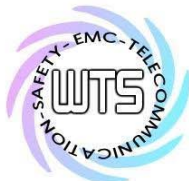
## **9. Measuring out-of-band/out-of-block (including intermodulation) and spurious emissions**

### **Out-of-band/out-of-block emissions conducted measurements**

- a) Connect a signal generator to the input of the EUT.  
If the signal generator is not capable of producing two independent modulated carriers simultaneously, then two discrete signal generators can be connected, with an appropriate combining network to support the two-signal test.
- b) Configure the two signal generators to produce CW on frequencies spaced consistent with 4.7.1, with amplitude levels set to just below the AGC threshold (see 4.2).
- c) Connect a spectrum analyzer to the EUT output.
- d) Set the span to 100 kHz.
- e) Set RBW = 300 Hz with VBW  $\geq 3 \times$  RBW.
- f) Set the detector to power averaging (rms).
- g) Place a marker on highest intermodulation product amplitude.
- h) Capture the plot for inclusion in the test report.
- i) Repeat steps c) to h) with the composite input power level set to 3 dB above the AGC threshold.
- j) Repeat steps b) to i) for all operational bands.

### **EUT spurious emissions conducted measurements**

- a) Connect a signal generator to the input of the EUT.
- b) Configure the signal generator to produce a CW signal.
- c) Set the frequency of the CW signal to the center channel of the EUT passband.
- d) Set the output power level so that the resultant signal is just below the AGC threshold (see 4.2).
- e) Connect a spectrum analyzer to the output of the EUT, using appropriate attenuation as necessary.
- f) Set the RBW = 100 kHz. (i.e., for 30 MHz to 1 GHz PLMRS and/or PSRS booster devices)
- g) Set the VBW =  $3 \times$  RBW.
- h) Set the Sweep time = auto-couple.
- i) Set the detector to PEAK.
- j) Set the spectrum analyzer start frequency to 30 MHz (or the lowest radio frequency signal generated in the EUT, without going below 9 kHz if the EUT has additional internal clock frequencies), and the stop frequency to  $10 \times$  the highest allowable frequency of the EUT passband.
- k) Select MAX HOLD, and use the marker peak function to find the highest emission(s) outside the passband. (This could be either at a frequency lesser or greater than the passband frequencies.)
- l) Capture a plot for inclusion in the test report.
- m) Repeat steps c) to l) for each authorized frequency band/block of operation.



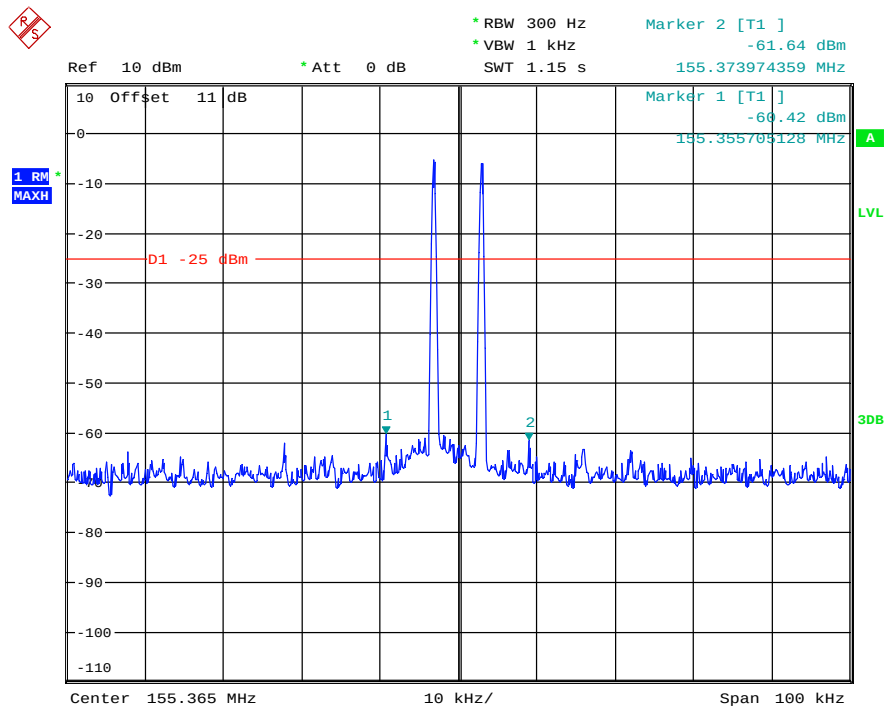
Registration number: W6M21909-19340-C-1

FCC ID: LEA-BOOSTER

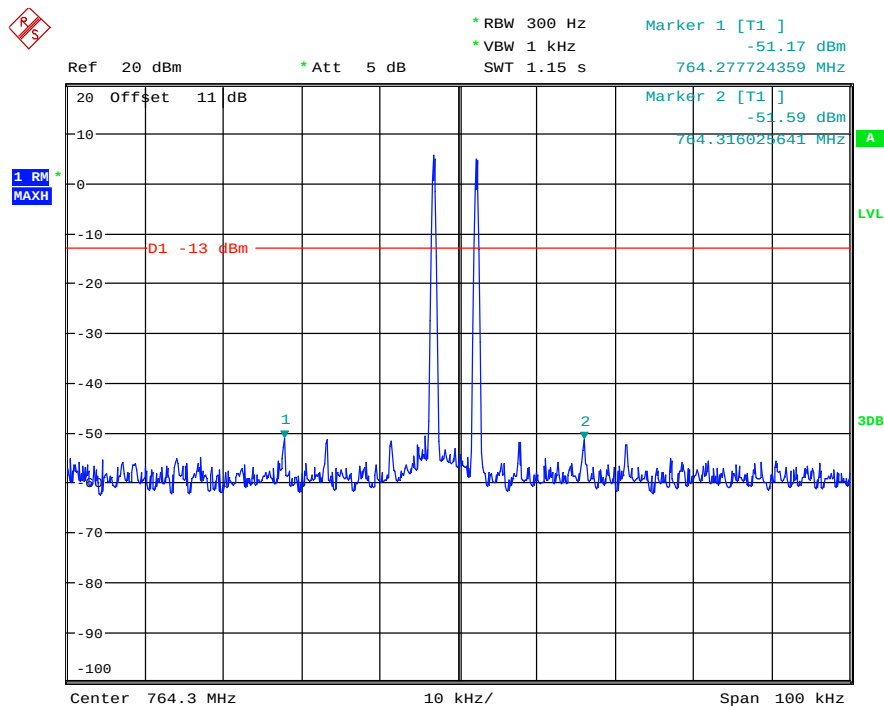
## 9.1 Test Result

### Intermodulation

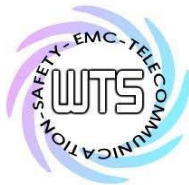
6.25 kHz



Date: 9.DEC.2019 15:52:40

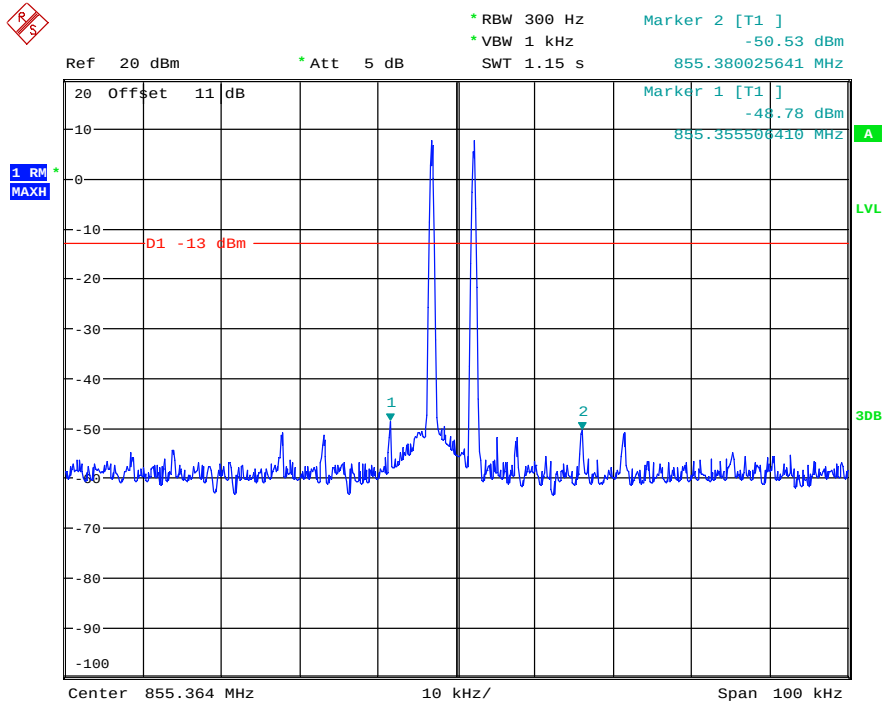


Date: 9.DEC.2019 16:06:56



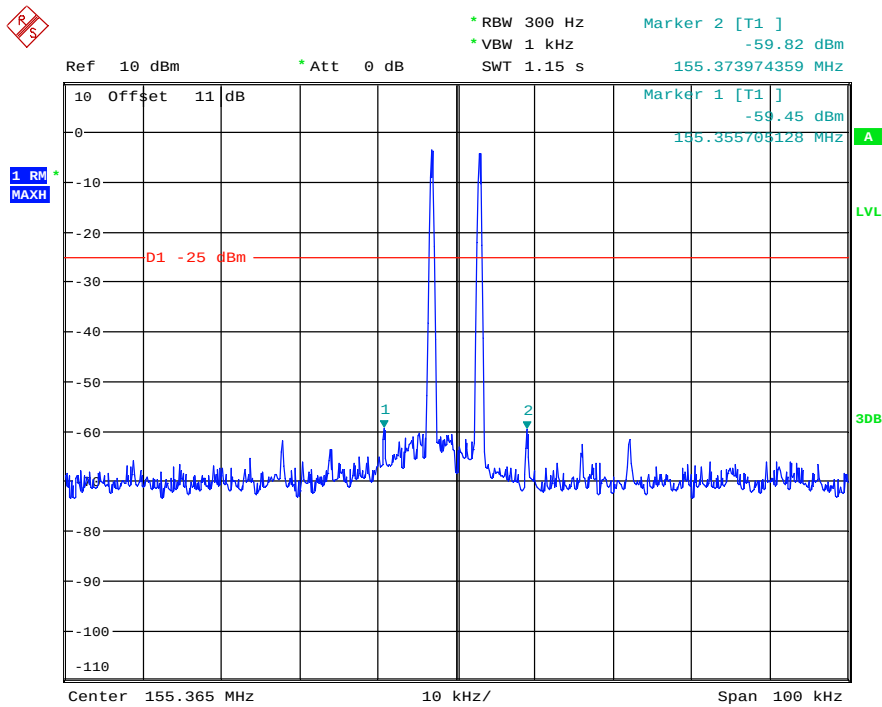
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

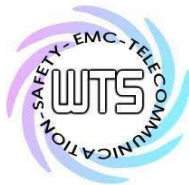


Date: 9.DEC.2019 16:15:42

+3dB

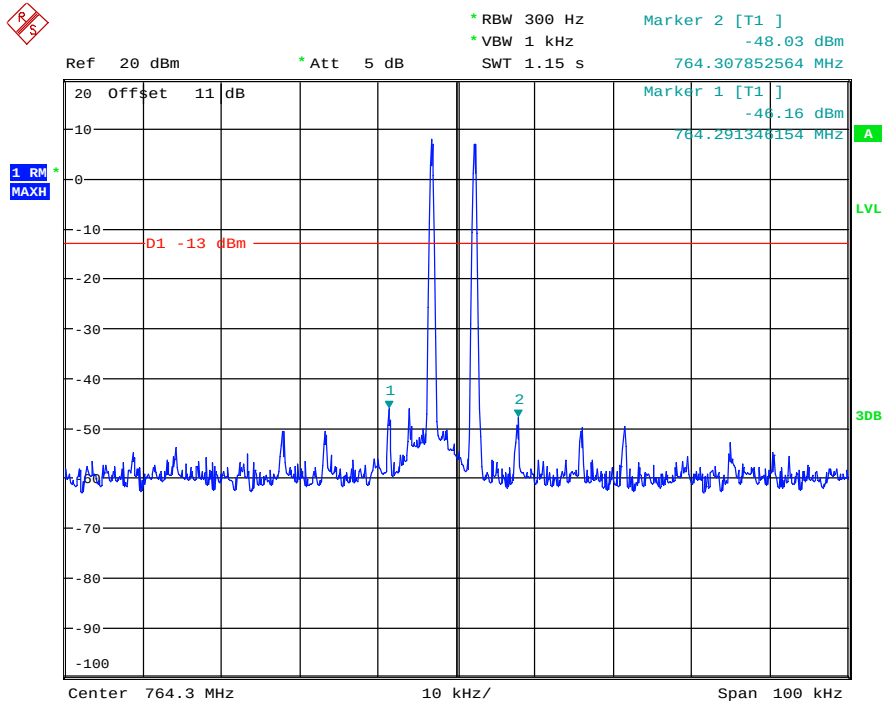


Date: 9.DEC.2019 15:53:13

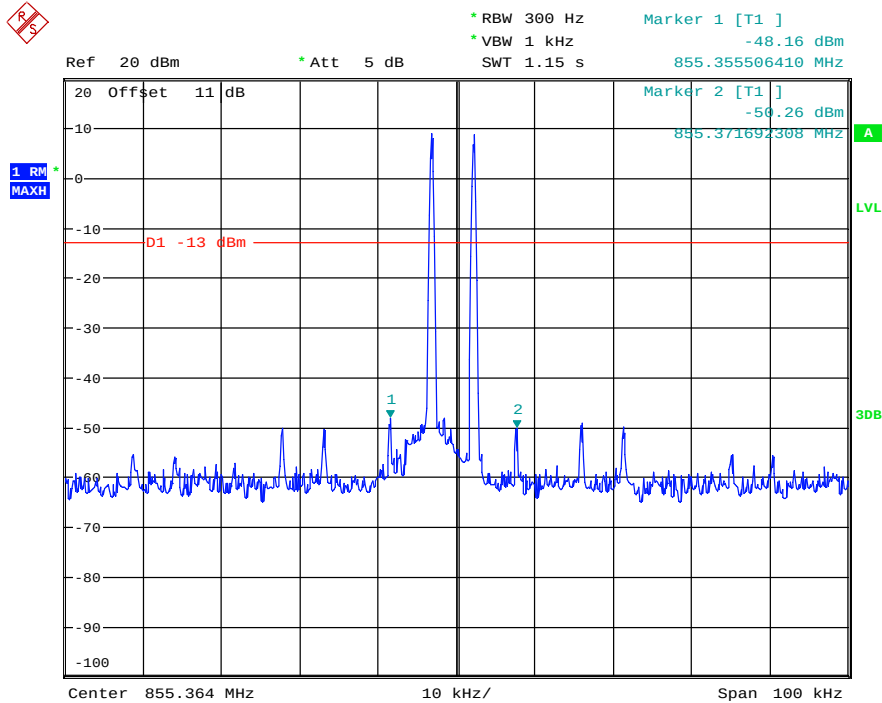


# Worldwide Testing Services(Taiwan) Co., Ltd.

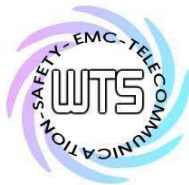
Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER



Date: 9.DEC.2019 16:07:33

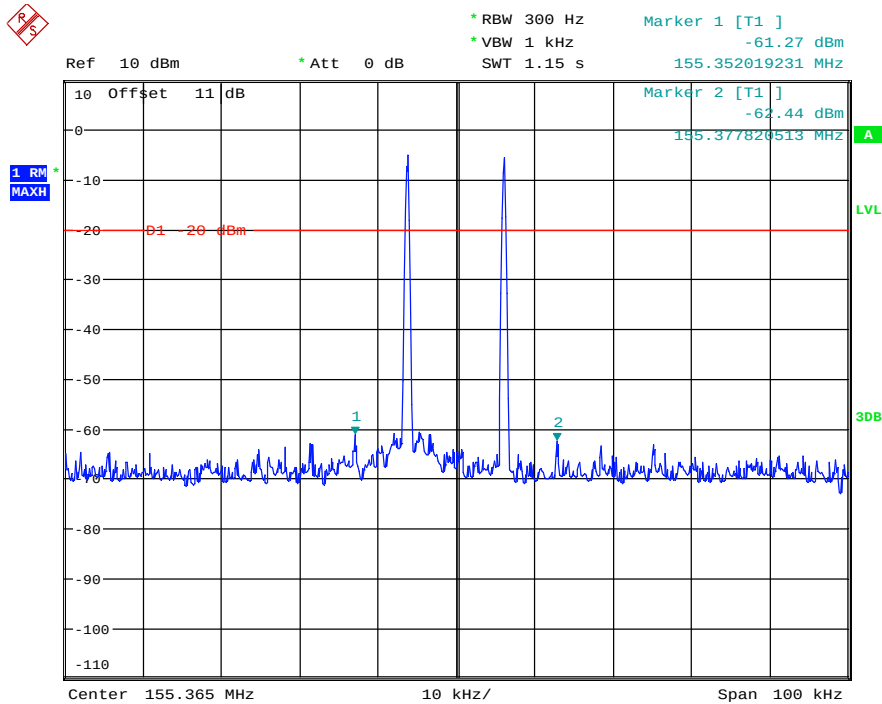


Date: 9.DEC.2019 16:16:14

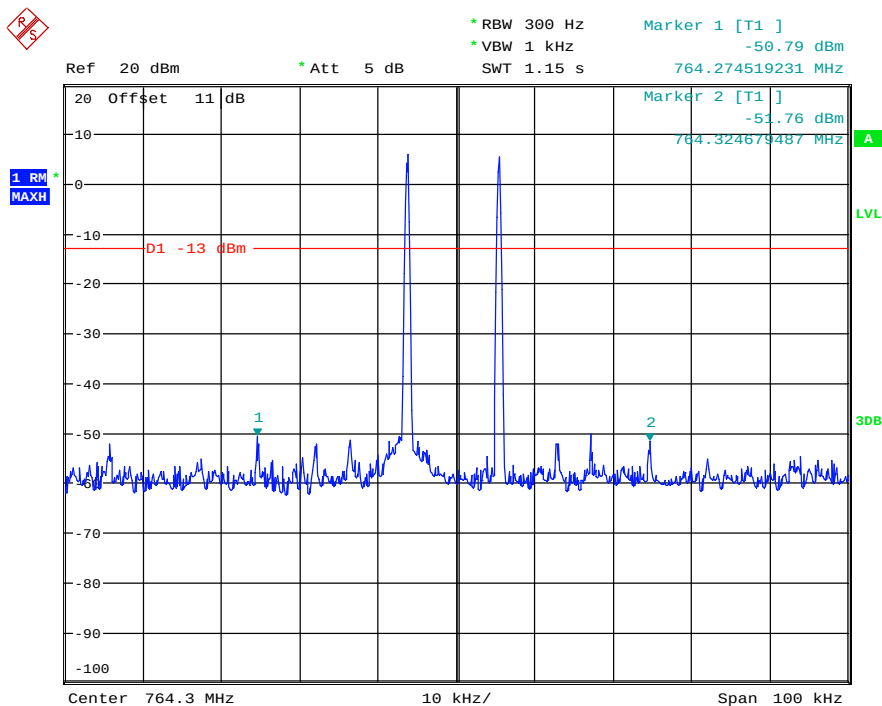


Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

12.5 kHz

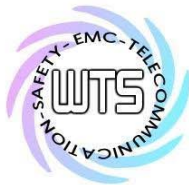


Date: 9.DEC.2019 15:51:07

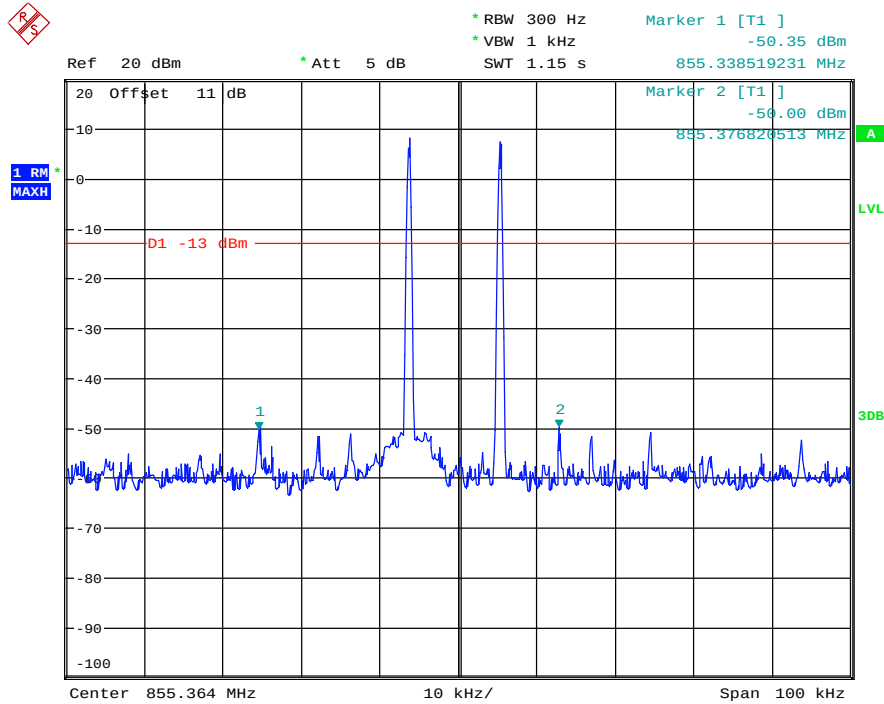


Date: 9.DEC.2019 16:05:23



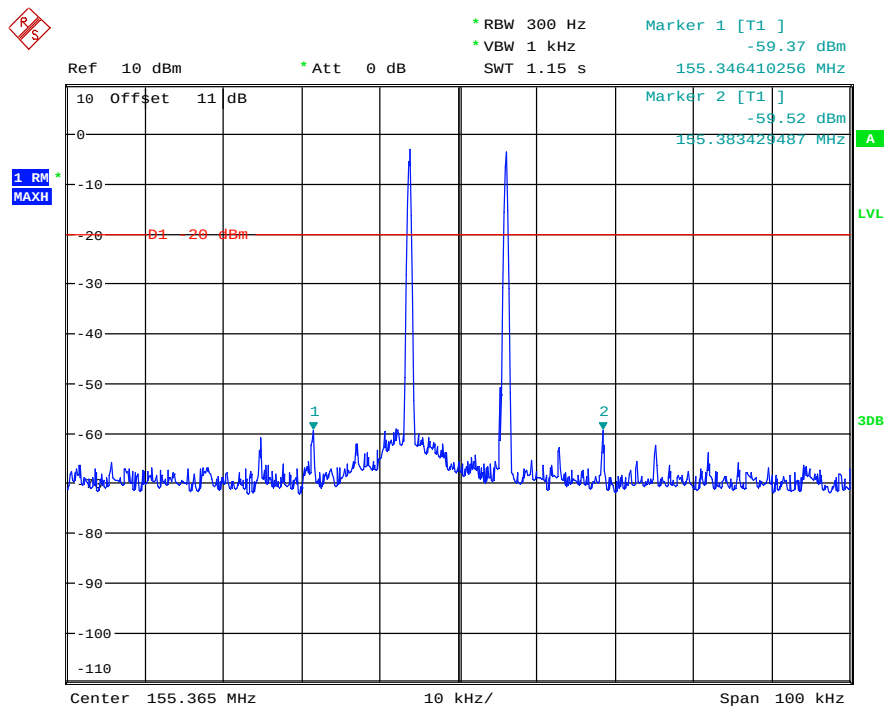


Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

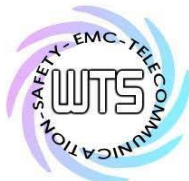


Date: 9.DEC.2019 16:13:54

+3dB



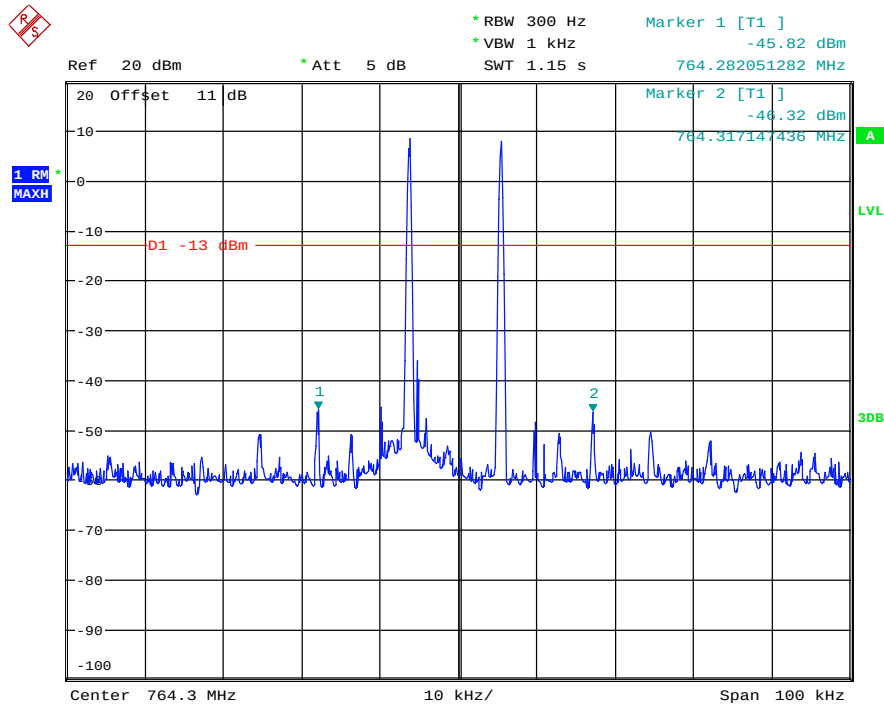
Date: 9.DEC.2019 15:50:28



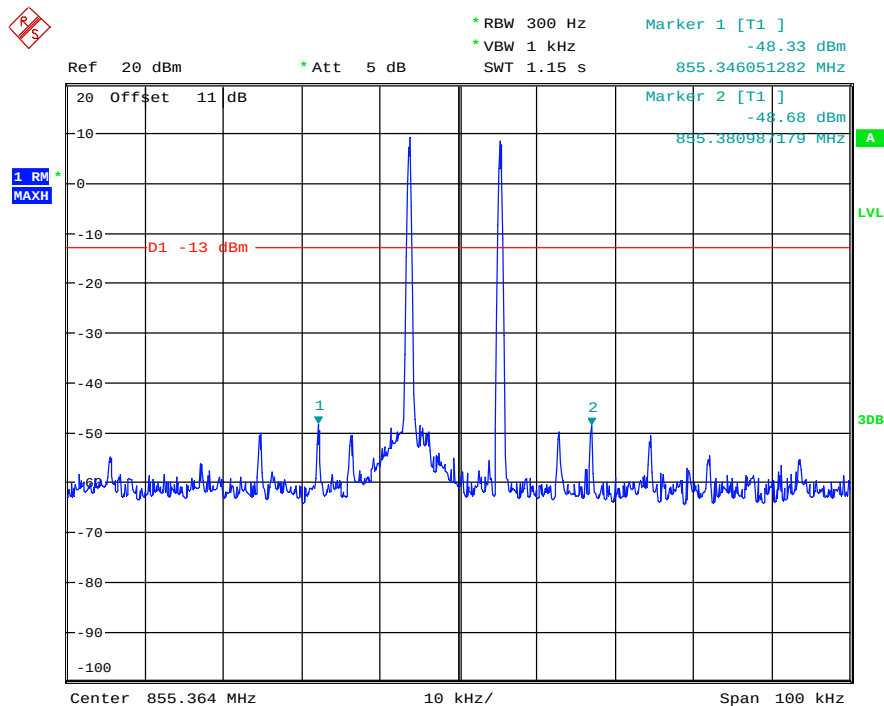
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1

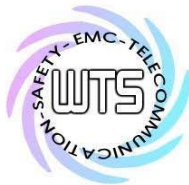
FCC ID: LEA-BOOSTER



Date: 9.DEC.2019 16:04:46



Date: 9.DEC.2019 16:13:24

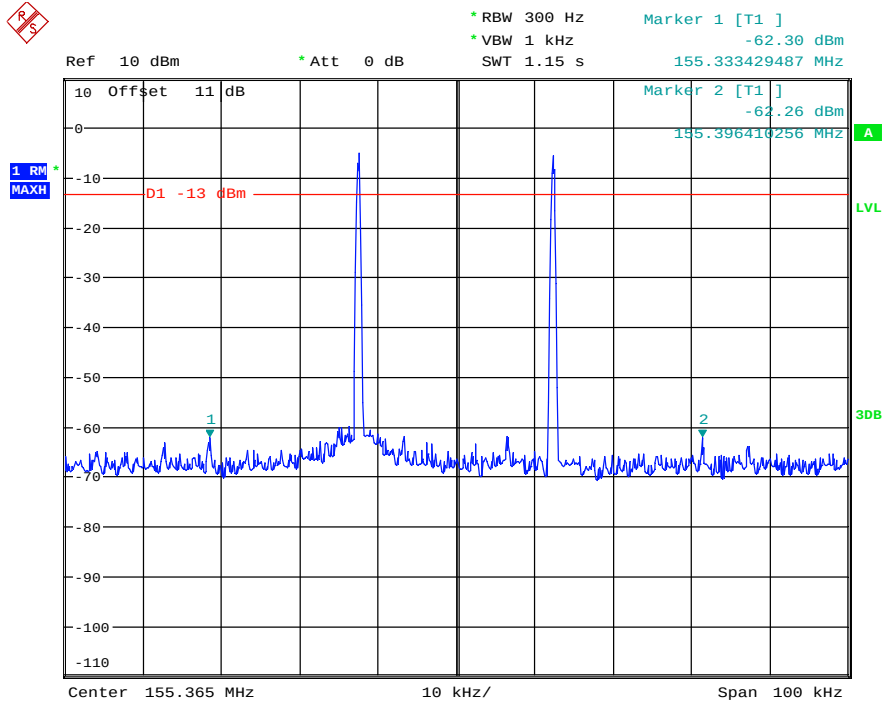


# Worldwide Testing Services(Taiwan) Co., Ltd.

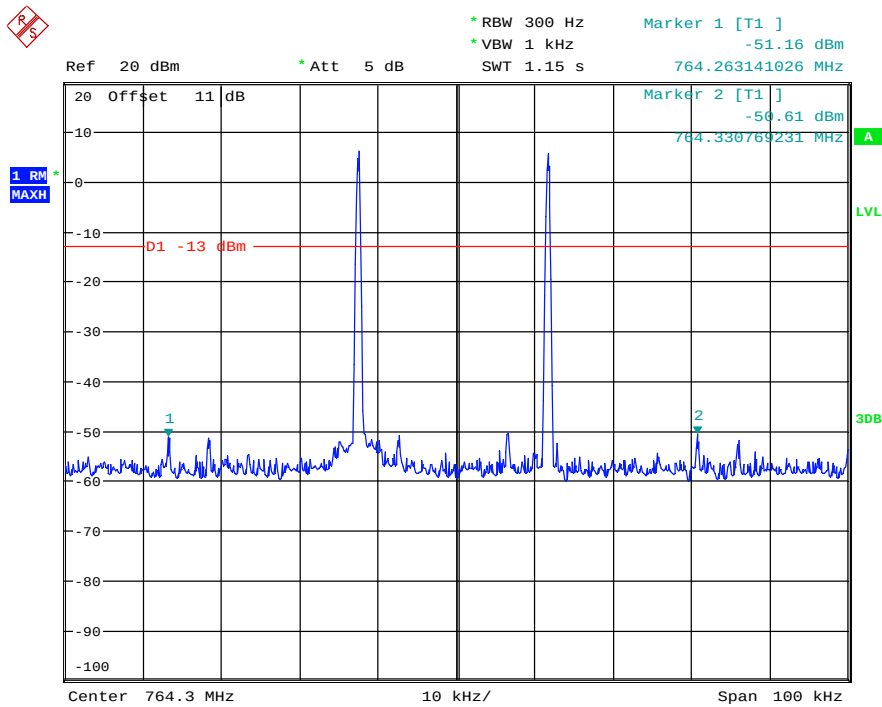
Registration number: W6M21909-19340-C-1

FCC ID: LEA-BOOSTER

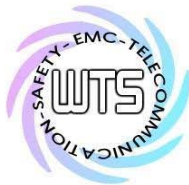
25kHz



Date: 9.DEC.2019 15:48:05

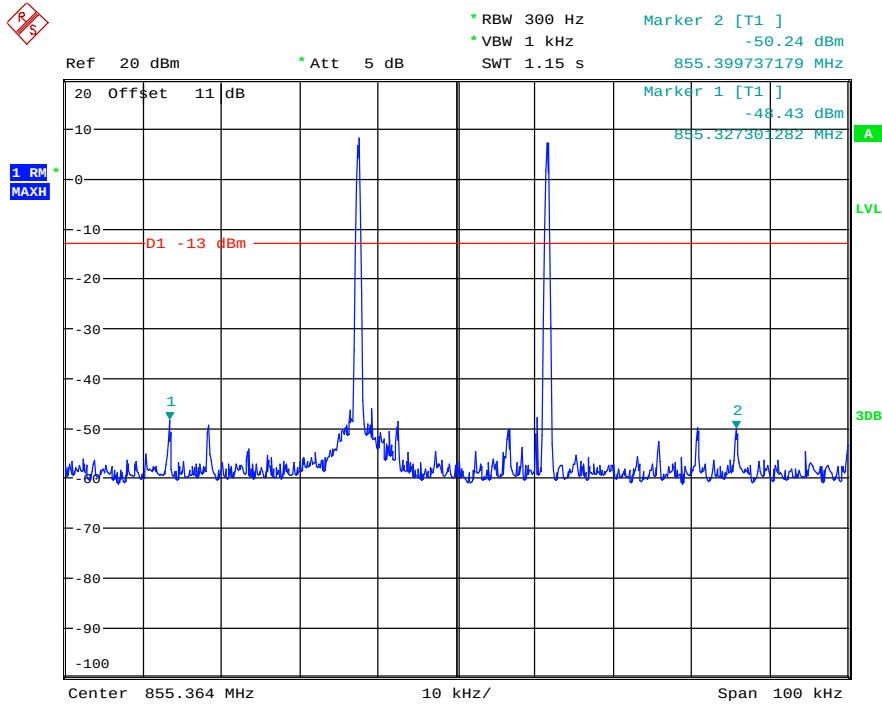


Date: 9.DEC.2019 16:02:58



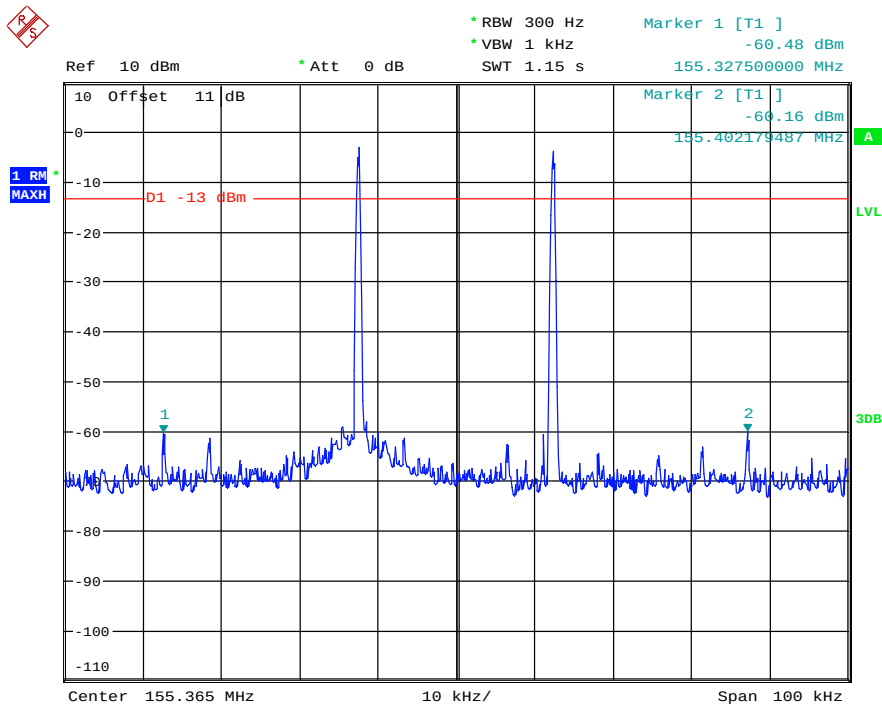
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

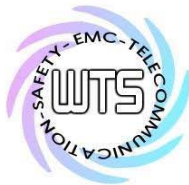


Date: 9.DEC.2019 16:11:10

+3dB

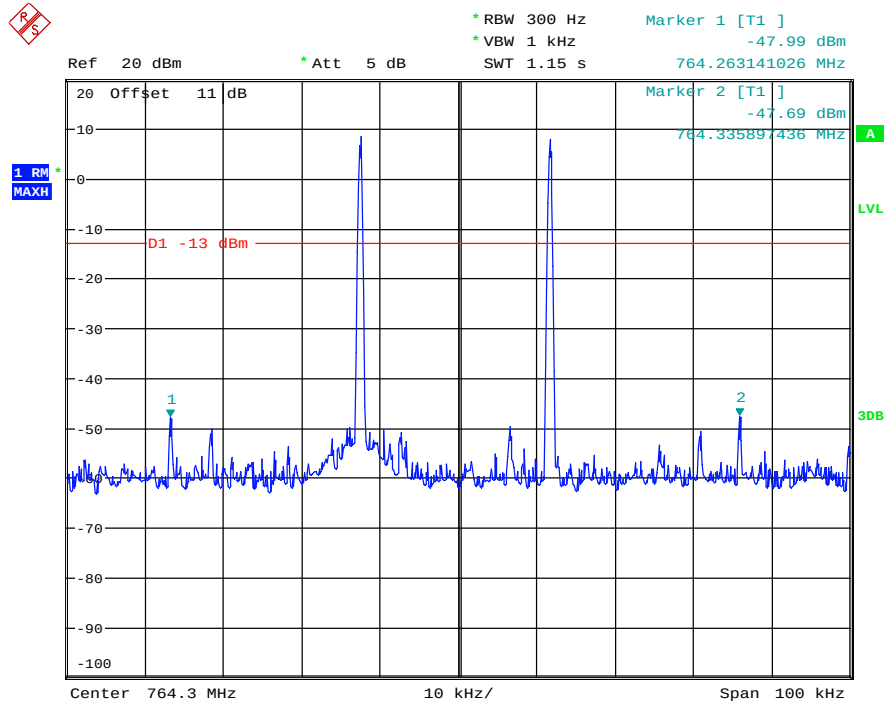


Date: 9.DEC.2019 15:48:50

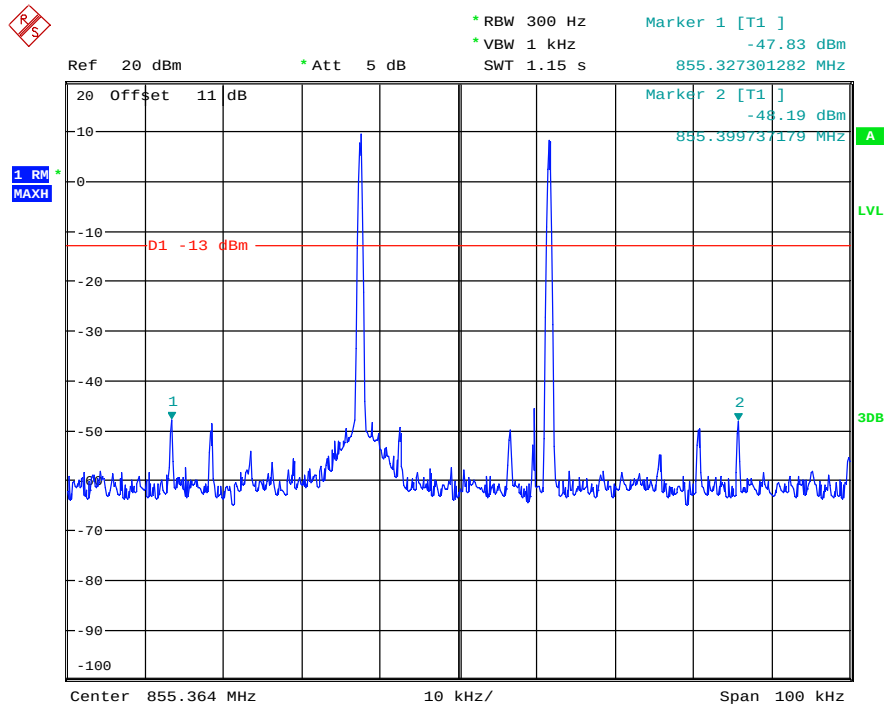


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

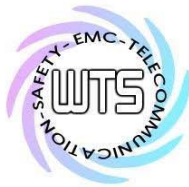


Date: 9.DEC.2019 16:03:32



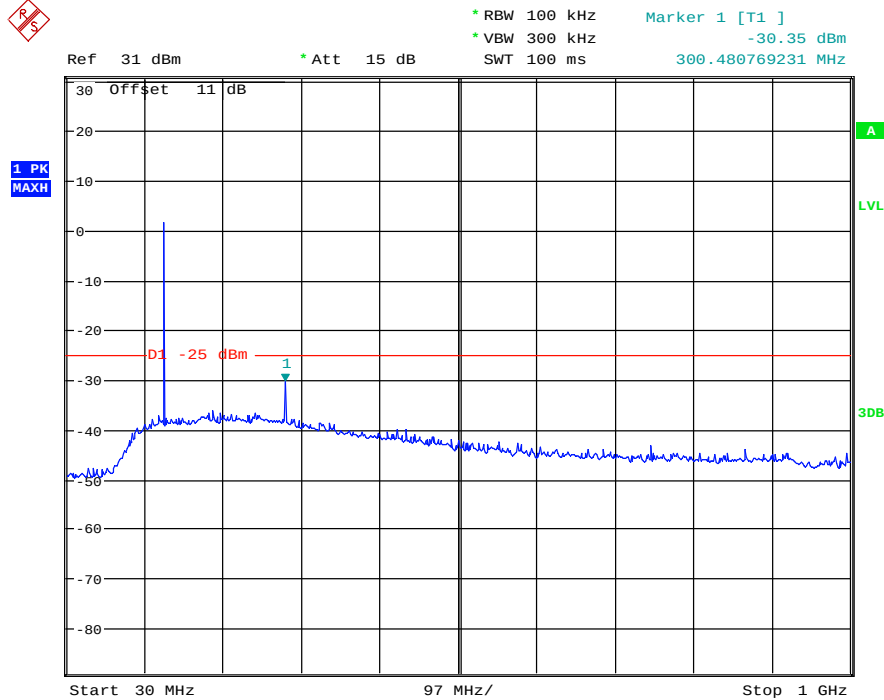
Date: 9.DEC.2019 16:11:44

Test equipment used: ETSTW-RE 050, ETSTW-RE 055, ETSTW-RE 122, ETSTW-RS 009

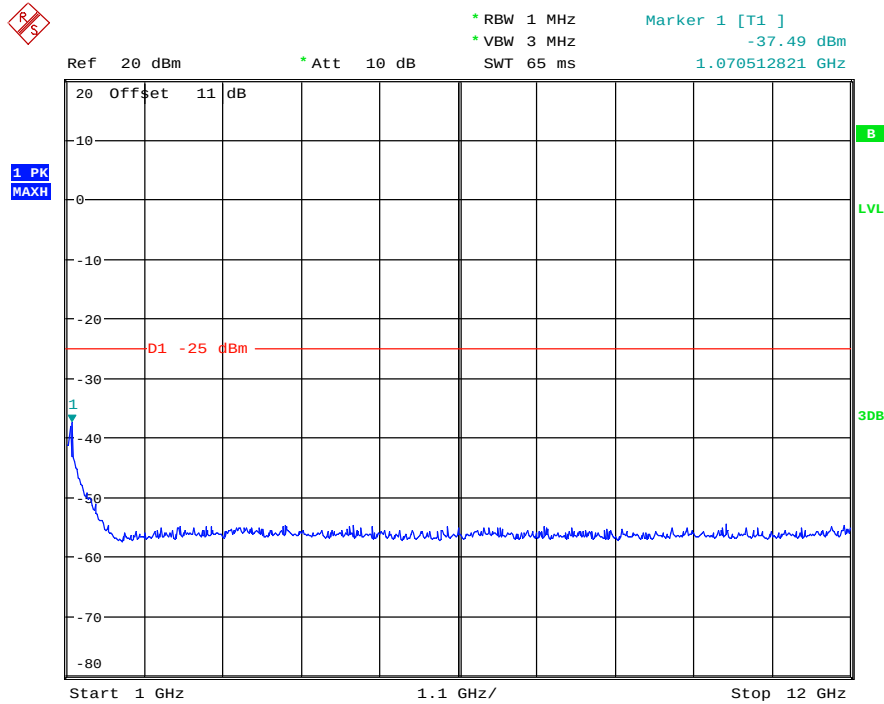


Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

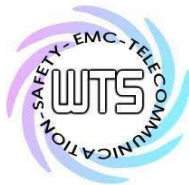
## Spurious emissions conducted measurements



Date: 9.DEC.2019 16:28:39

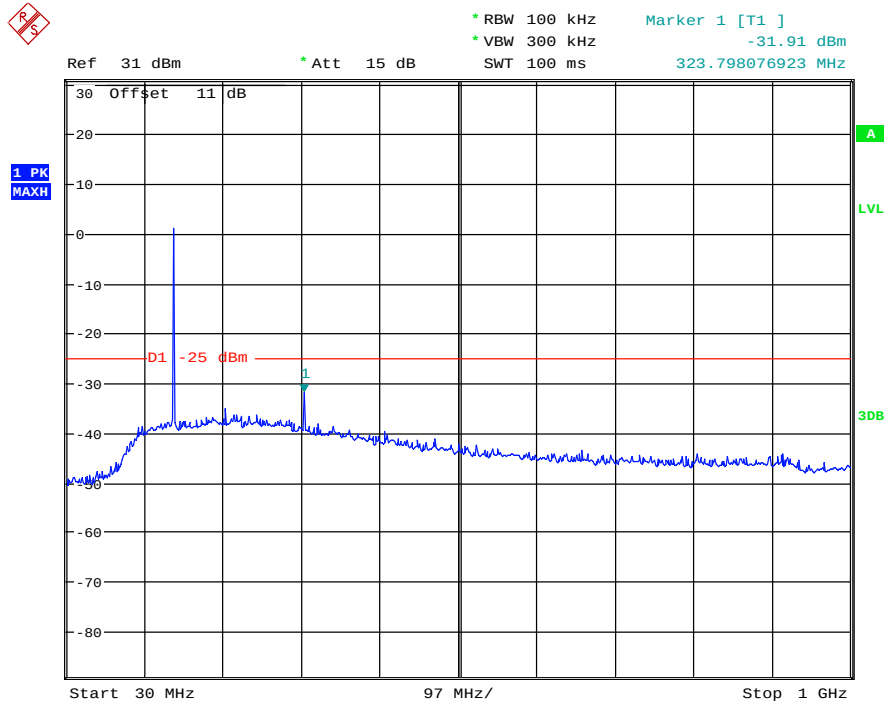


Date: 9.DEC.2019 16:29:02

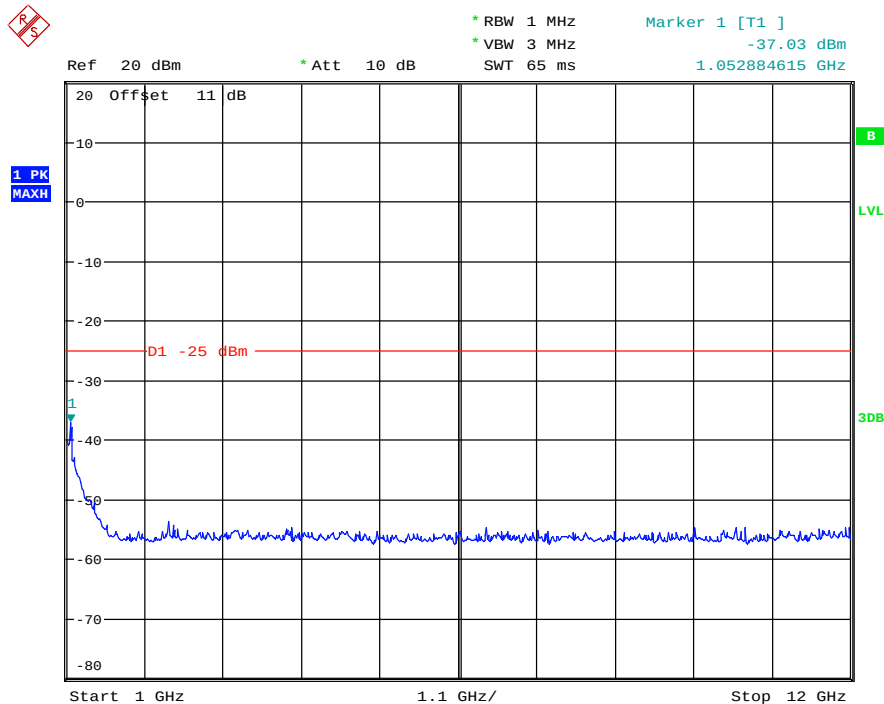


# Worldwide Testing Services(Taiwan) Co., Ltd.

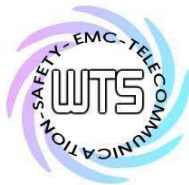
Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER



Date: 9.DEC.2019 16:29:42

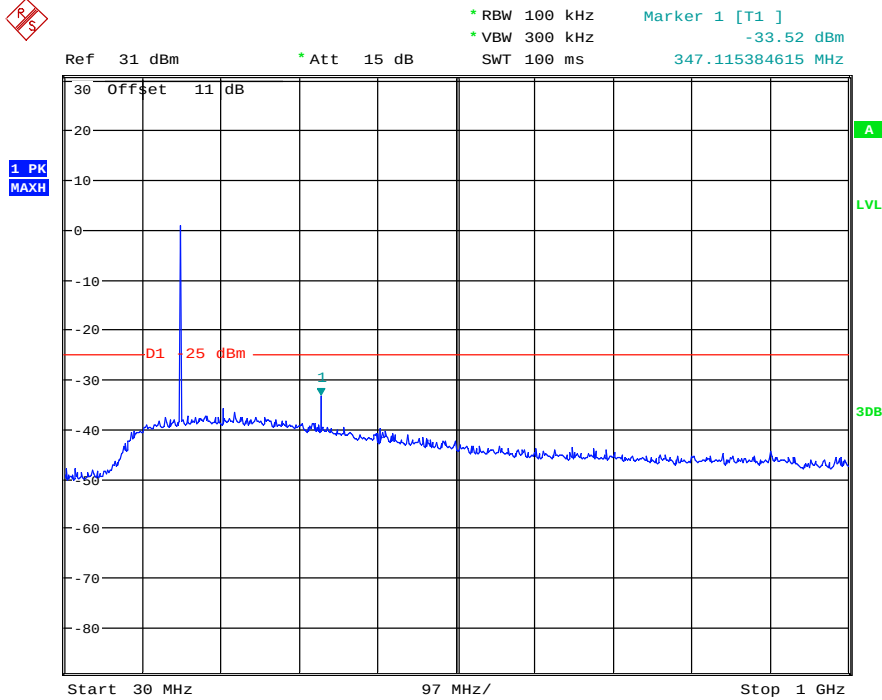


Date: 9.DEC.2019 16:29:59

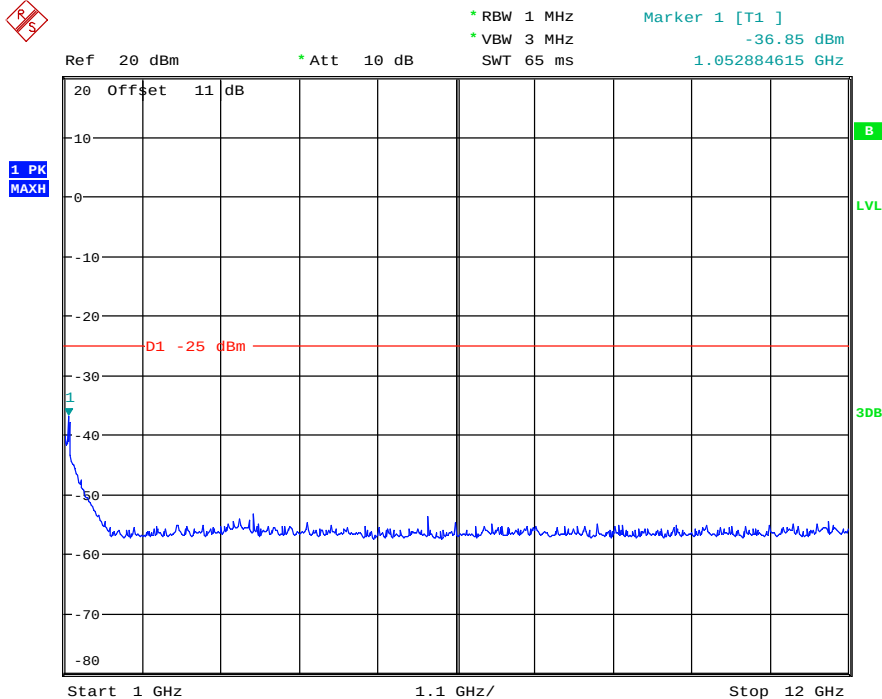


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

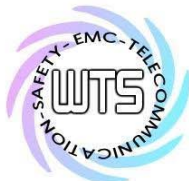


Date: 9.DEC.2019 16:30:49



Date: 9.DEC.2019 16:31:03

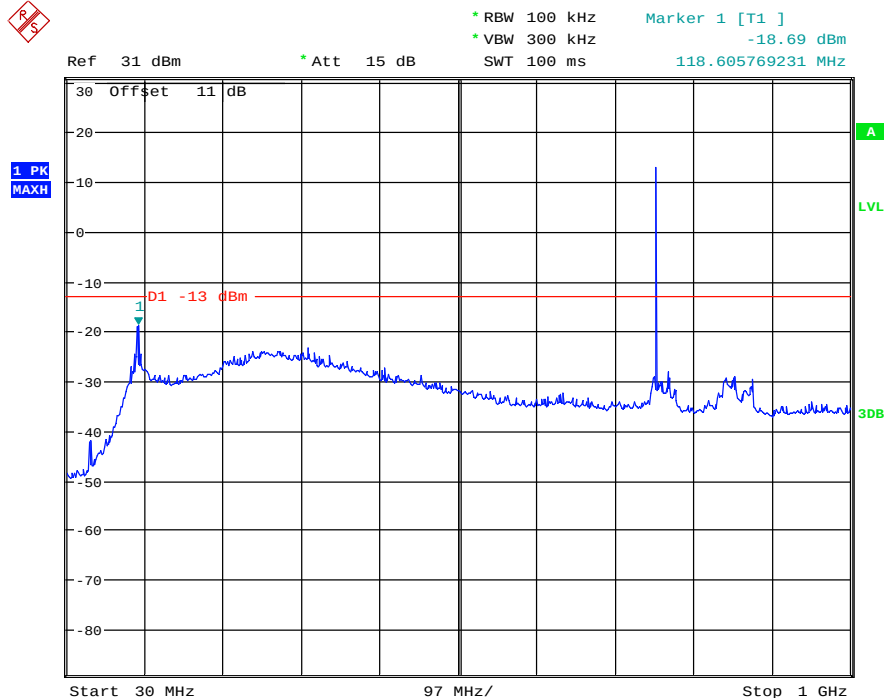




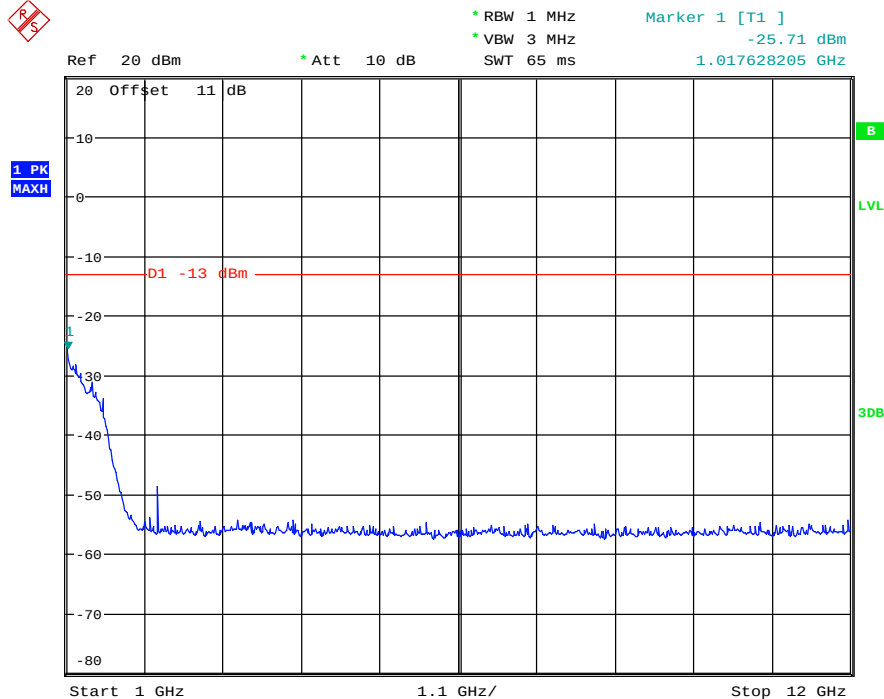
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1

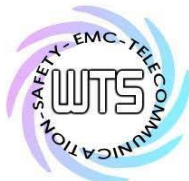
FCC ID: LEA-BOOSTER



Date: 9.DEC.2019 16:34:59

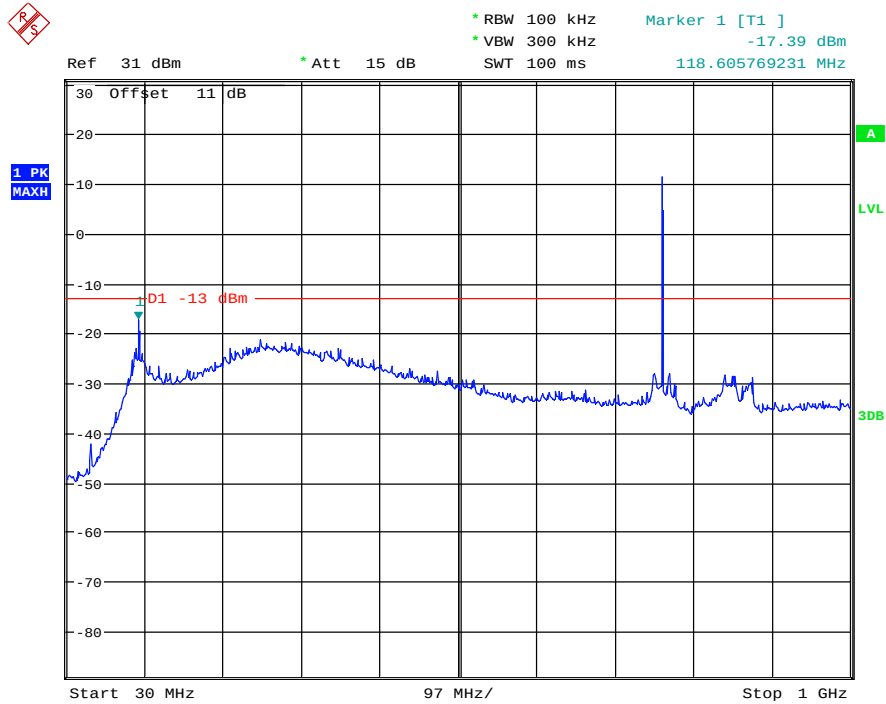


Date: 9.DEC.2019 16:35:26

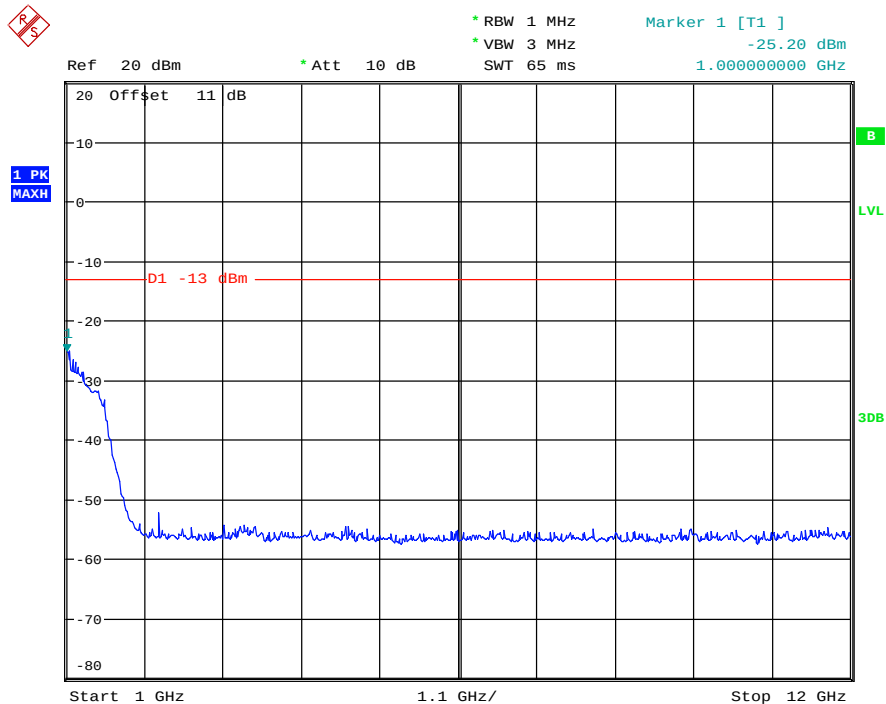


# Worldwide Testing Services(Taiwan) Co., Ltd.

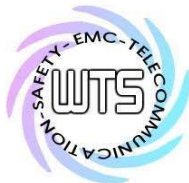
Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER



Date: 9.DEC.2019 16:36:01

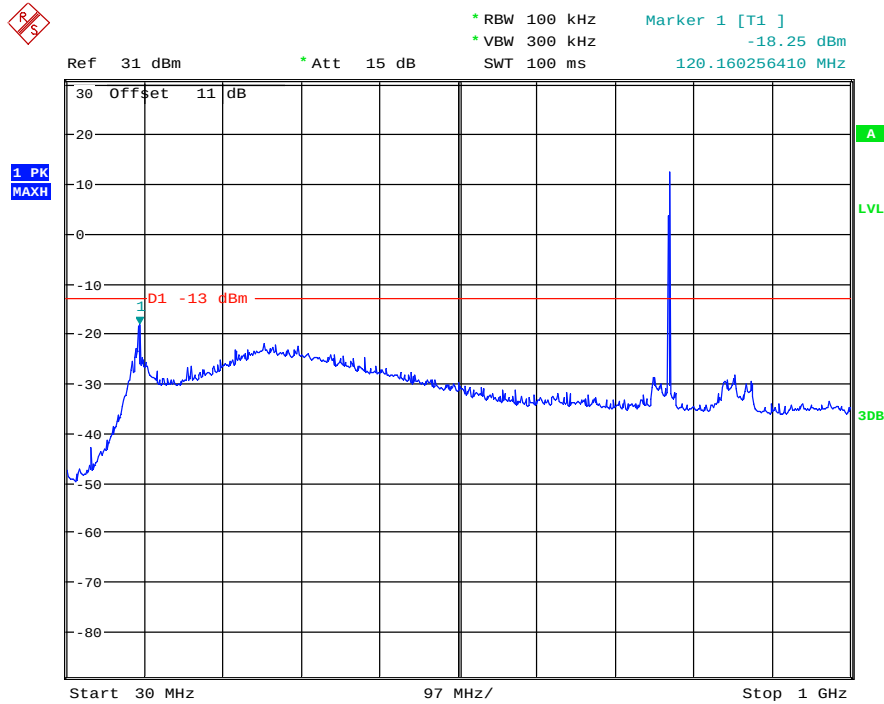


Date: 9.DEC.2019 16:36:15

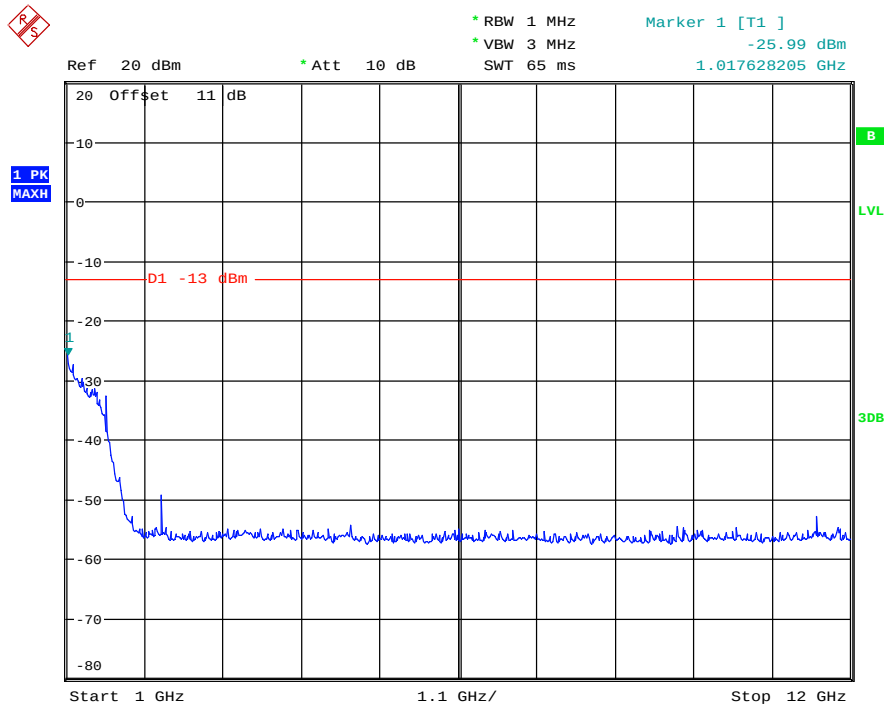


# Worldwide Testing Services(Taiwan) Co., Ltd.

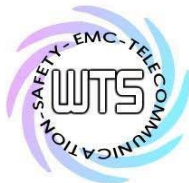
Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER



Date: 9.DEC.2019 16:36:56

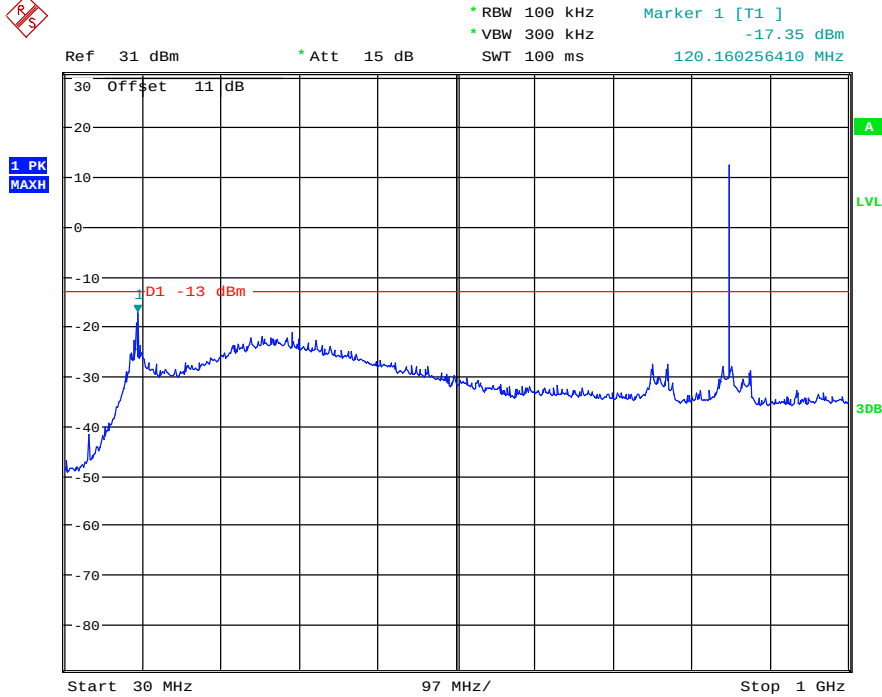


Date: 9.DEC.2019 16:37:09

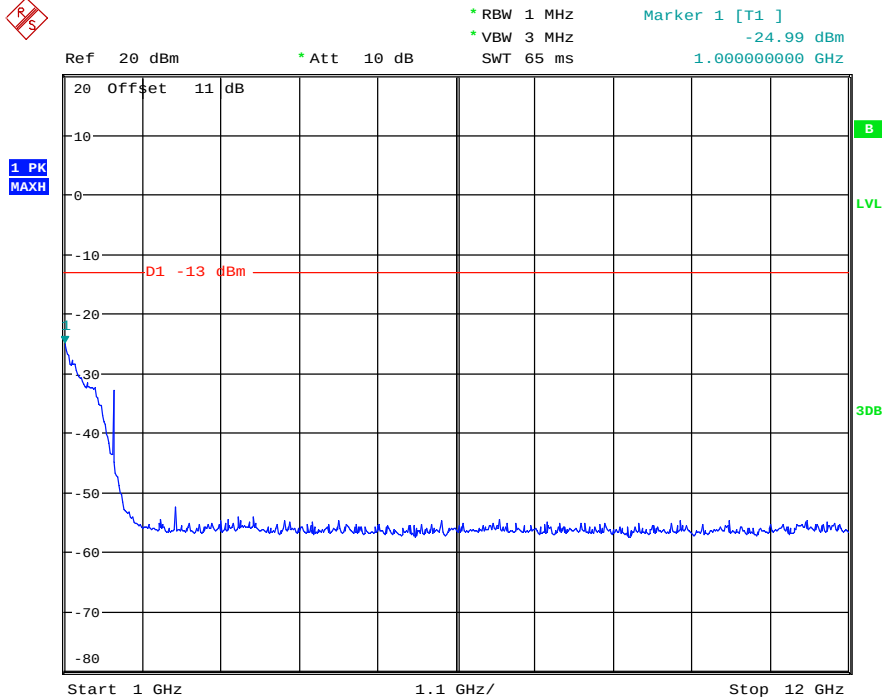


# Worldwide Testing Services(Taiwan) Co., Ltd.

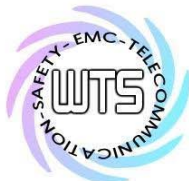
Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER



Date: 9.DEC.2019 16:38:06



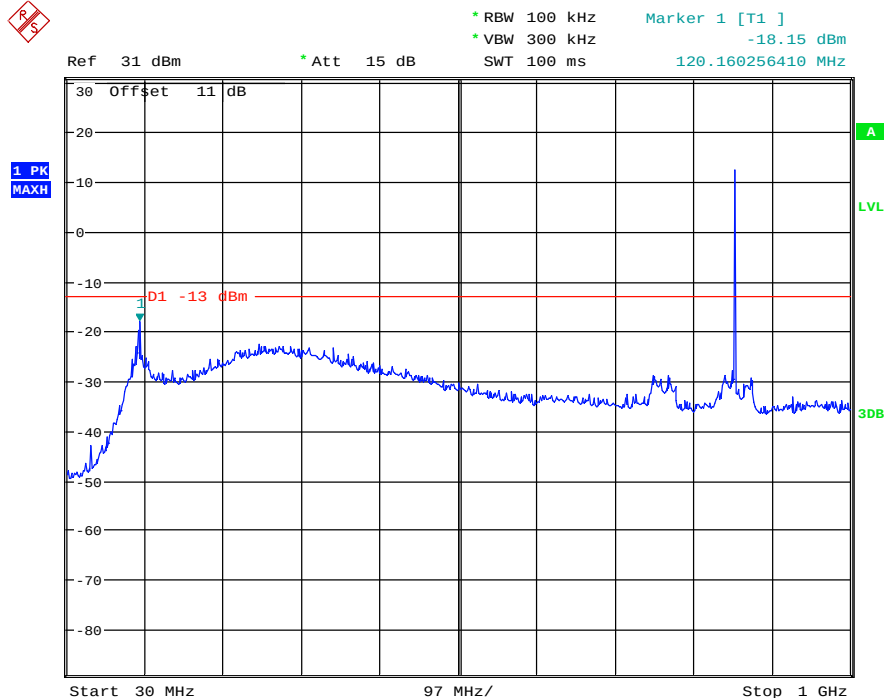
Date: 9.DEC.2019 16:38:23



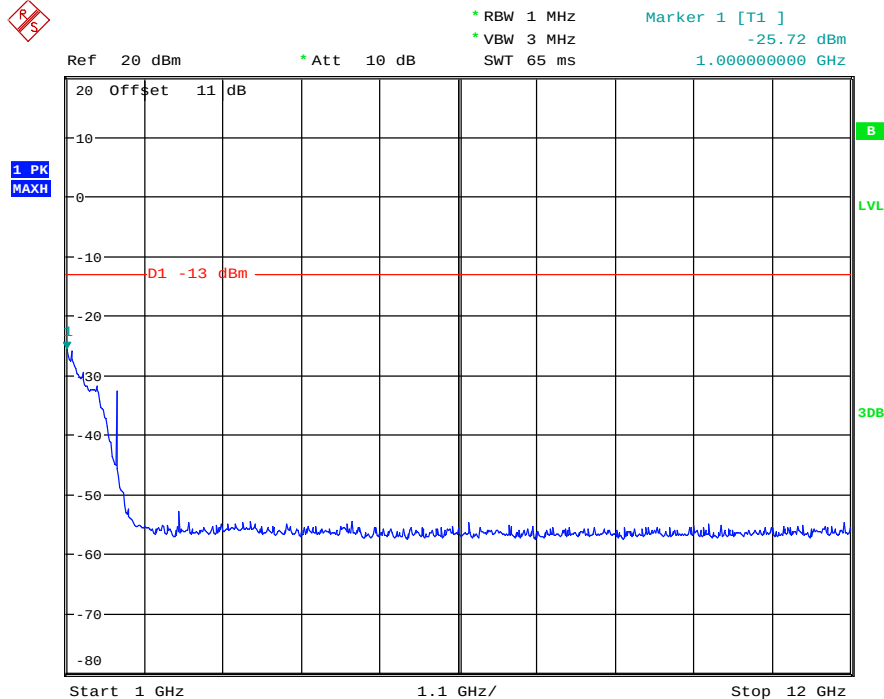
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1

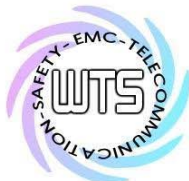
FCC ID: LEA-BOOSTER



Date: 9.DEC.2019 16:38:58



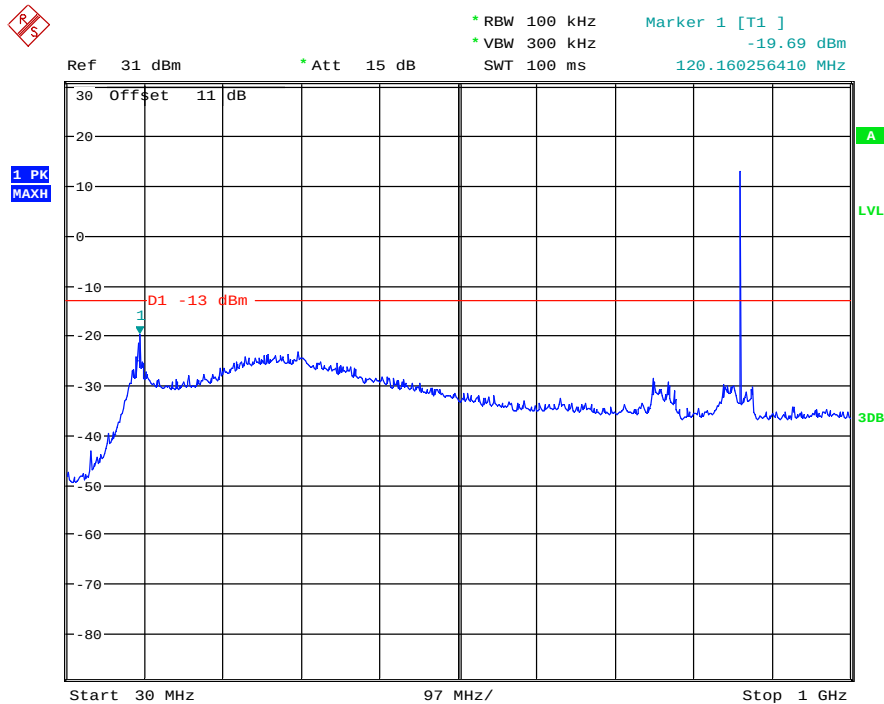
Date: 9.DEC.2019 16:39:11



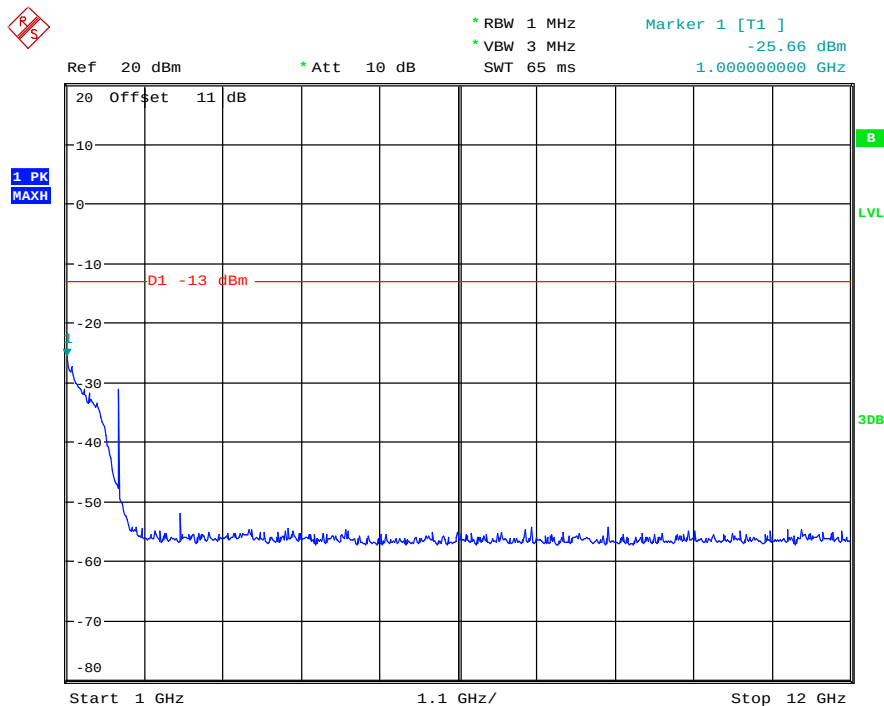
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21909-19340-C-1

FCC ID: LEA-BOOSTER

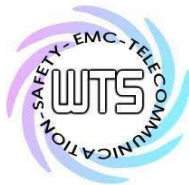


Date: 9.DEC.2019 16:39:55



Date: 9.DEC.2019 16:40:07

Test equipment used: ETSTW-RE 050, ETSTW-RE 055, ETSTW-RE 122



Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

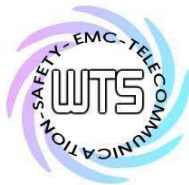
## **10. Frequency stability measurements**

Section 90.219(e)(4)(i) requires that a signal being retransmitted by an amplifier, repeater, or industrial booster meets the frequency stability requirements of Section 90.213. However, this requirement presumes that the EUT processes an input signal in ways that can influence the output signal frequency/frequencies; however, most signal boosters do not incorporate an oscillator). If the amplifier, booster, or repeater does not alter the input signal in any way, then a frequency stability test may not be required.

When performing frequency stability measurements on these types of devices, the instability associated with the EUT must be isolated from any frequency instability associated with the measurement instrumentation. One method for realizing such isolation is to connect the reference clock input of the signal generator to the reference output of the frequency counter, to confirm that any frequency instability is associated with the EUT, and is not due to differences between the reference oscillators internal to the measurement instrumentation.

### **10.1 Test Result**

| 150.05MHz~173.4MHz Band |                  |           |                 |                 |
|-------------------------|------------------|-----------|-----------------|-----------------|
| Test Frequency (MHz)    | Voltage (V.a.c.) | Temp (°C) | Frequency (MHz) | Tolerance (ppm) |
| 161.725                 | 120              | -30       | 161.724995      | -0.03           |
|                         |                  | -20       | 161.724995      | -0.03           |
|                         |                  | -10       | 161.724995      | -0.03           |
|                         |                  | 0         | 161.724995      | -0.03           |
|                         |                  | 10        | 161.724995      | -0.03           |
|                         |                  | 20(Ref)   | 161.724995      | -0.03           |
|                         |                  | 30        | 161.724995      | -0.03           |
|                         |                  | 40        | 161.724995      | -0.03           |
|                         |                  | 50        | 161.724995      | -0.03           |
|                         | 102              | 20        | 161.724995      | -0.03           |
|                         | 138              | 20        | 161.724995      | -0.03           |



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

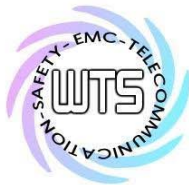
Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

| 758MHz~775MHz Band   |                 |           |                 |                 |
|----------------------|-----------------|-----------|-----------------|-----------------|
| Test Frequency (MHz) | Voltage (Va.c.) | Temp (°C) | Frequency (MHz) | Tolerance (ppm) |
| 766.5                | 120             | -30       | 766.499991      | -0.01           |
|                      |                 | -20       | 766.499991      | -0.01           |
|                      |                 | -10       | 766.499991      | -0.01           |
|                      |                 | 0         | 766.499991      | -0.01           |
|                      |                 | 10        | 766.499991      | -0.01           |
|                      |                 | 20(Ref)   | 766.499991      | -0.01           |
|                      |                 | 30        | 766.499991      | -0.01           |
|                      |                 | 40        | 766.499991      | -0.01           |
|                      |                 | 50        | 766.499991      | -0.01           |
|                      | 102             | 20        | 766.499991      | -0.01           |
|                      | 138             | 20        | 766.499991      | -0.01           |

| 851MHz~862MHz Band   |                 |           |                 |                 |
|----------------------|-----------------|-----------|-----------------|-----------------|
| Test Frequency (MHz) | Voltage (Va.c.) | Temp (°C) | Frequency (MHz) | Tolerance (ppm) |
| 856.5                | 120             | -30       | 856.499991      | -0.01           |
|                      |                 | -20       | 856.499991      | -0.01           |
|                      |                 | -10       | 856.499991      | -0.01           |
|                      |                 | 0         | 856.499991      | -0.01           |
|                      |                 | 10        | 856.499991      | -0.01           |
|                      |                 | 20(Ref)   | 856.499991      | -0.01           |
|                      |                 | 30        | 856.499991      | -0.01           |
|                      |                 | 40        | 856.499991      | -0.01           |
|                      |                 | 50        | 856.499991      | -0.01           |
|                      | 102             | 20        | 856.499991      | -0.01           |
|                      | 138             | 20        | 856.499991      | -0.01           |

Test equipment used: ETSTW-RE 050, ETSTW-RE 055, ETSTW-RE 122





Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

## 11. Spurious emissions radiated measurements

This measurement is intended to produce test data necessary to demonstrate compliance to the radiated spurious emission requirements specified in Section 2.1053 of the FCC rules. This test is intended to capture any emissions that radiate directly from the case, cabinet, control circuits, etc., instead of via the antenna output port, and thus would not be captured in conducted spurious emission measurements. See KDB Publication 971168 [R8] for measurement procedure guidance.

### 11.1 Test Result

Model: Booster Date: --  
Mode: -- Temperature: -- °C Engineer: --  
Polarization: Horizontal Humidity: -- %

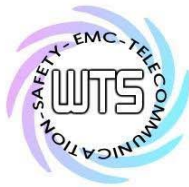
| Frequency<br>(MHz) | Reading<br>(dBm)<br>Peak | Factor<br>(dB)<br>Corr. | Result<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|--------------------------|-------------------------|-----------------|----------------|----------------|---------------------------|----------------------|
| --                 | --                       | --                      | --              | --             | --             | --                        | --                   |
| --                 | --                       | --                      | --              | --             | --             | --                        | --                   |
| --                 | --                       | --                      | --              | --             | --             | --                        | --                   |
| --                 | --                       | --                      | --              | --             | --             | --                        | --                   |
| --                 | --                       | --                      | --              | --             | --             | --                        | --                   |
| --                 | --                       | --                      | --              | --             | --             | --                        | --                   |

Polarization: Vertical

| Frequency<br>(MHz) | Reading<br>(dBm)<br>Peak | Factor<br>(dB)<br>Corr. | Result<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|--------------------------|-------------------------|-----------------|----------------|----------------|---------------------------|----------------------|
| --                 | --                       | --                      | --              | --             | --             | --                        | --                   |
| --                 | --                       | --                      | --              | --             | --             | --                        | --                   |
| --                 | --                       | --                      | --              | --             | --             | --                        | --                   |
| --                 | --                       | --                      | --              | --             | --             | --                        | --                   |
| --                 | --                       | --                      | --              | --             | --             | --                        | --                   |
| --                 | --                       | --                      | --              | --             | --             | --                        | --                   |

- 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.

Test equipment used: ETSTW-RE 042, ETSTW-RE 043, ETSTW-RE 044, ETSTW-RE 061, ETSTW-RE 122



Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

## 12. Maximum Permissible Exposure

### 12.1 Applicable Standard

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 30 cm normally can be maintained between the user and the device.

### 12.2 MPE Calculation Method

#### (A) Limits for Occupational/Controlled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/cm <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------------|-------------------------------------------------------------------|
| 0.3-3.0               | 614                               | 1.63                              | (100)*                                  | 6                                                                 |
| 3.0-30                | 1842/f                            | 4.89/f                            | (900/f <sup>2</sup> )*                  | 6                                                                 |
| 30-300                | 61.4                              | 0.163                             | 1.0                                     | 6                                                                 |
| 300-1500              | --                                | --                                | f/300                                   | 6                                                                 |
| 1500-100,000          | --                                | --                                | 5                                       | 6                                                                 |

#### (B) Limits for General Population/Uncontrolled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/cm <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------------|-------------------------------------------------------------------|
| 0.3-1.34              | 614                               | 1.63                              | (100)*                                  | 30                                                                |
| 1.34-30               | 824/f                             | 2.19/f                            | (180/f <sup>2</sup> )*                  | 30                                                                |
| 30-300                | 27.5                              | 0.073                             | 0.2                                     | 30                                                                |
| 300-1500              | --                                | --                                | f/1500                                  | 30                                                                |
| 1500-100,000          | --                                | --                                | 1.0                                     | 30                                                                |

f = frequency in MHz

\*Plane-wave equivalent power density

$$E \text{ (V/m)} \cdot \frac{\sqrt{30 \times P \times G}}{d}$$

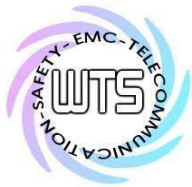
$$\text{Power Density: } Pd \text{ (W/m}^2\text{)} \cdot \frac{E^2}{377}$$

E = Electric field (V/m) P = output power (W) G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to  $\text{mW/cm}^2$ .

$$Pd \cdot \frac{30 \times P \times G}{377 \times d^2}$$



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

Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

EIRP = max. conducted output power + antenna gain

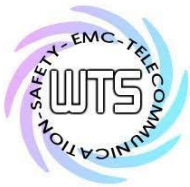
EIRP = 12.48 dBm + (4 dBi [antenna gain claimed by manufacturer] = 16.48 dBm = 44.4631 mW

Established separation distance is 20 cm.

Operating frequency band: 150.053125 MHz, 161.725 MHz, 173.396875 MHz, 758.003125 MHz,  
766.5 MHz, 774.996875 MHz, 851.003125MHz, 856.5MHz,  
861.996875 MHz

The product meets RF exposure requirement.

Because the power density of 0.0088 mW/cm<sup>2</sup> at 861.996875 MHz is below the power density limit of 2.87 mW/cm<sup>2</sup>.



Registration number: W6M21909-19340-C-1  
FCC ID: LEA-BOOSTER

## **Appendix**

### **Measurement diagrams**

Spurious Emissions radiated



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: Kent

File :1

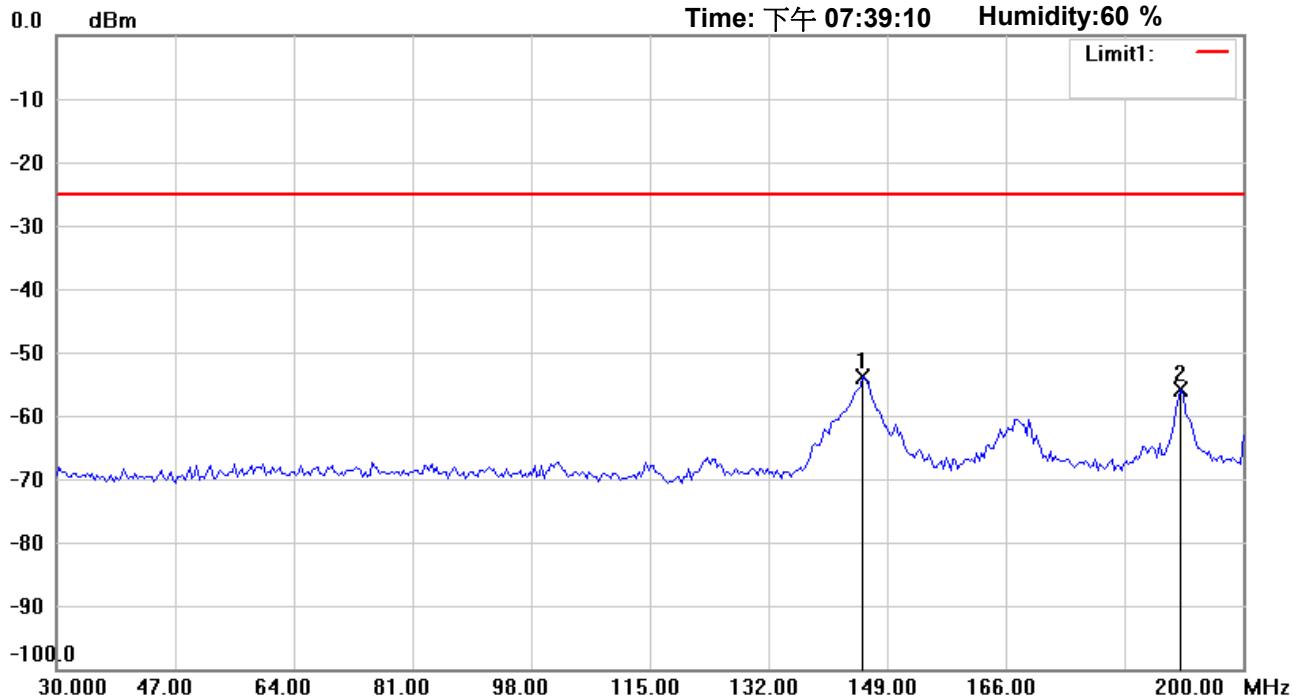
Data :#1

Date: 2019/12/9

Temperature: 24 °C

Time: 下午 07:39:10

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 150.053125MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 145.4910        | -74.44        | peak     | 20.57             | -53.87       | -25.00      | 150          | 245            | -28.87      |         |
|     | 191.1423        | -77.80        | peak     | 21.83             | -55.97       | -25.00      | 150          | 160            | -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: Kent

File :1

Data :#2

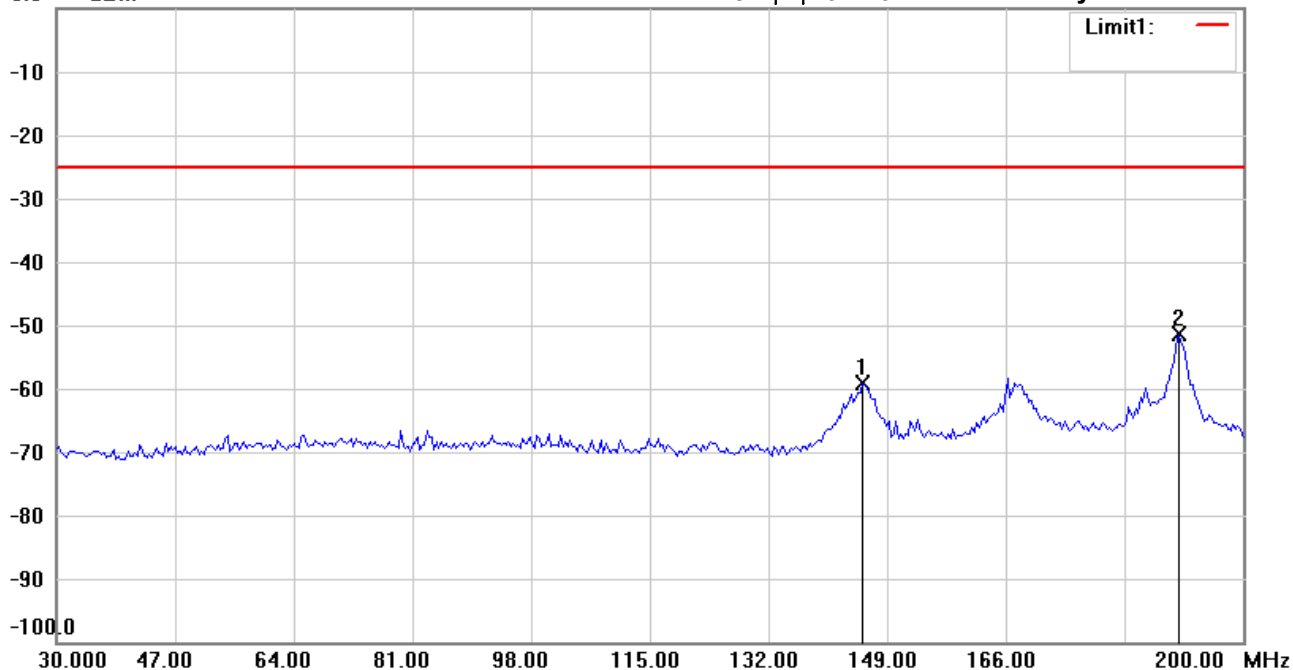
Date: 2019/12/9

Temperature: 24 °C

0.0 dBm

Time: 下午 07:40:27

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 150.053125MHz

Note :

Polarization: Vertical

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 145.4910        | -80.28        | peak     | 21.13             | -59.15       | -25.00      | 150          | 330            | -34.15      |         |
| *   | 190.8015        | -73.62        | peak     | 22.22             | -51.40       | -25.00      | 150          | 160            | -26.40      |         |

\*: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: Kent

File : 2

Data : #1

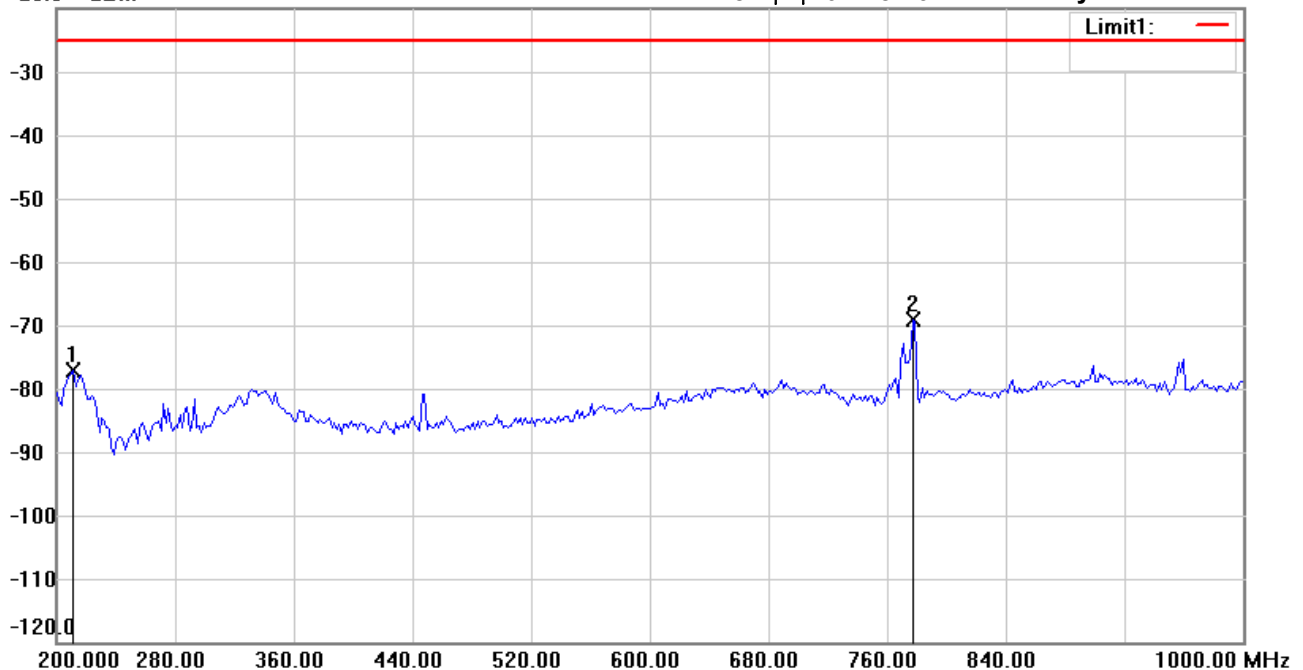
Date: 2019/12/10

Temperature: 24 °C

-20.0 dBm

Time: 下午 02:18:29

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 150.053125MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 211.2224        | -61.95        | peak     | -15.21            | -77.16       | -25.00      | 150          | 160            | -52.16      |         |
| *   | 777.1543        | -64.84        | peak     | -4.39             | -69.23       | -25.00      | 150          | 245            | -44.23      |         |

\*: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: Kent

File : 2

Data : #2

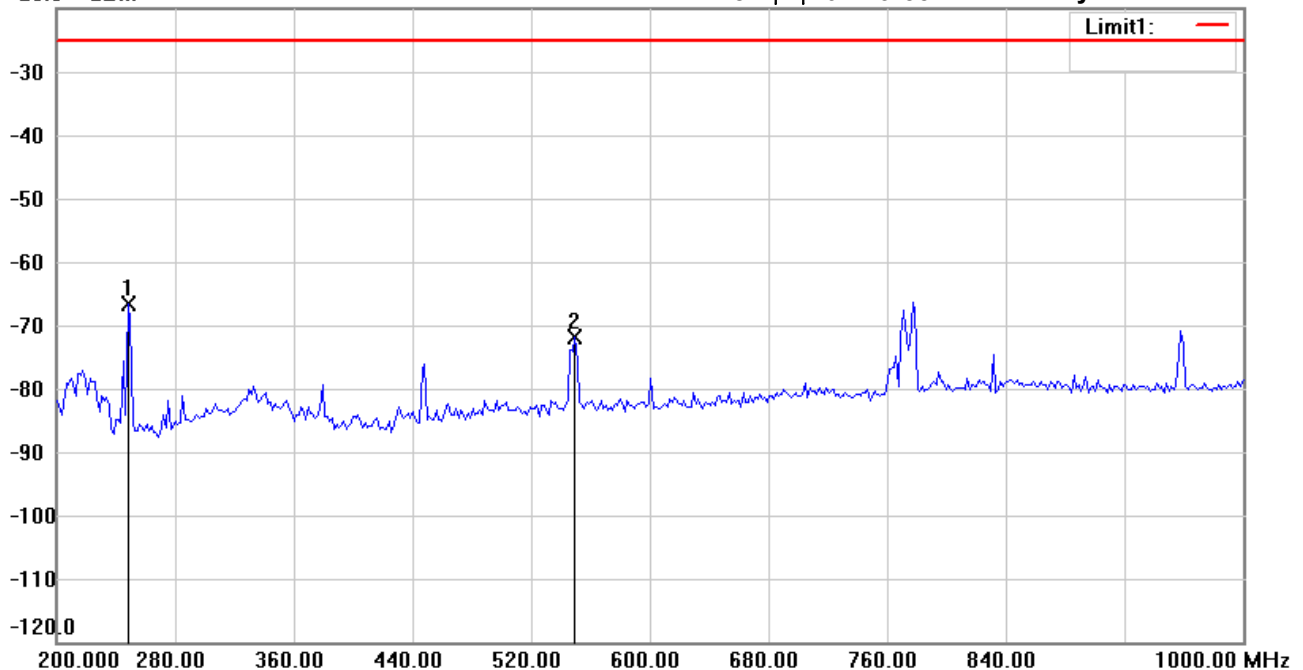
Date: 2019/12/10

Temperature: 24 °C

-20.0 dBm

Time: 下午 02:19:55

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 150.053125MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 248.0962        | -54.80        | peak     | -11.80            | -66.60       | -25.00      | 150          | 245            | -41.60      |         |
|     | 549.4990        | -65.75        | peak     | -6.15             | -71.90       | -25.00      | 150          | 160            | -46.90      |         |

\*: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: Kent

File : 3

Data : #1

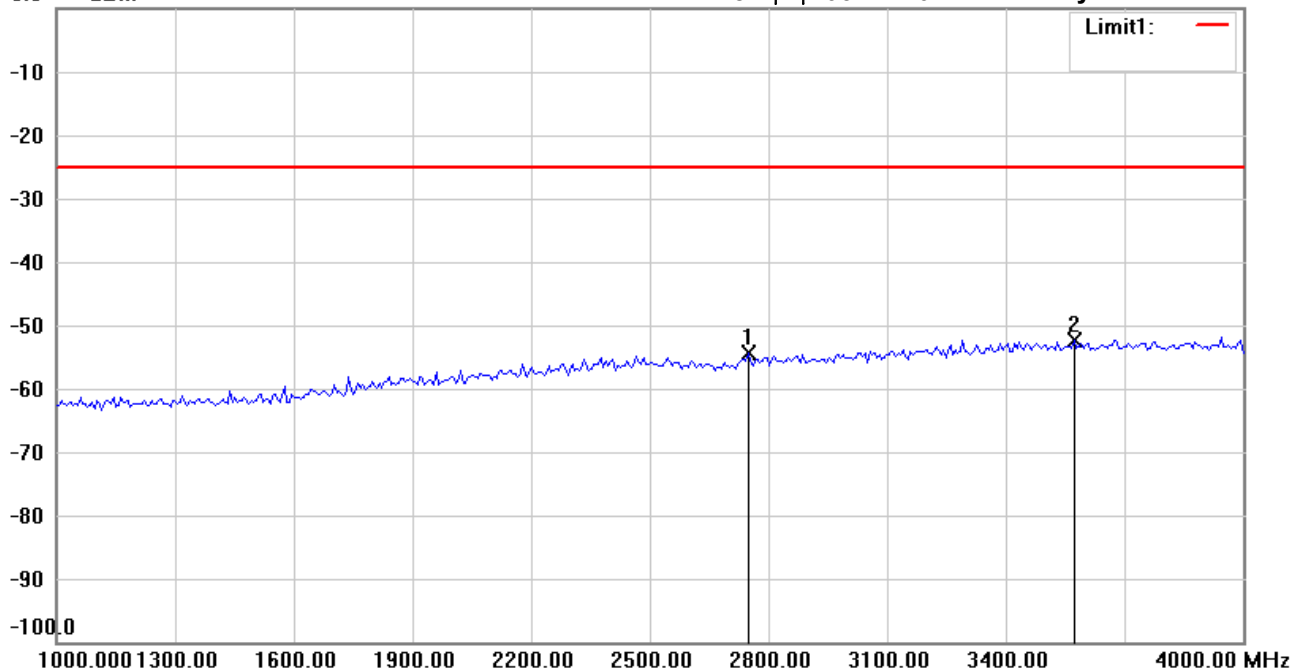
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 03:47:10

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 150.053125MHz

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2749.499        | -60.95        | peak     | 6.58              | -54.37       | -25.00      | 150          | 145            | -29.37      |         |
| *   | 3573.146        | -61.81        | peak     | 9.55              | -52.26       | -25.00      | 150          | 110            | -27.26      |         |

\*: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: Kent

File : 3

Data : #2

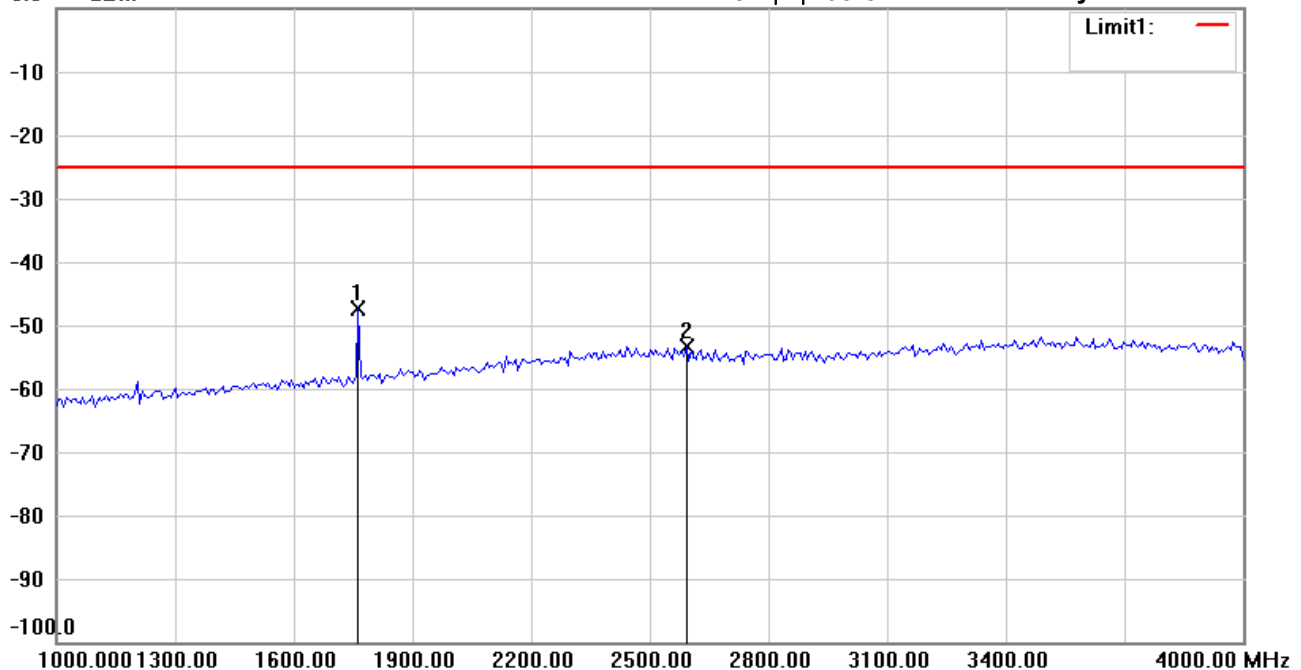
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 03:51:22

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 150.053125MHz

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 1763.527        | -50.66        | peak     | 3.25              | -47.41       | -25.00      | 150          | 45             | -22.41      |         |
|     | 2593.186        | -60.92        | peak     | 7.53              | -53.39       | -25.00      | 150          | 130            | -28.39      |         |

\*: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: Kent

File :1

Data :#1

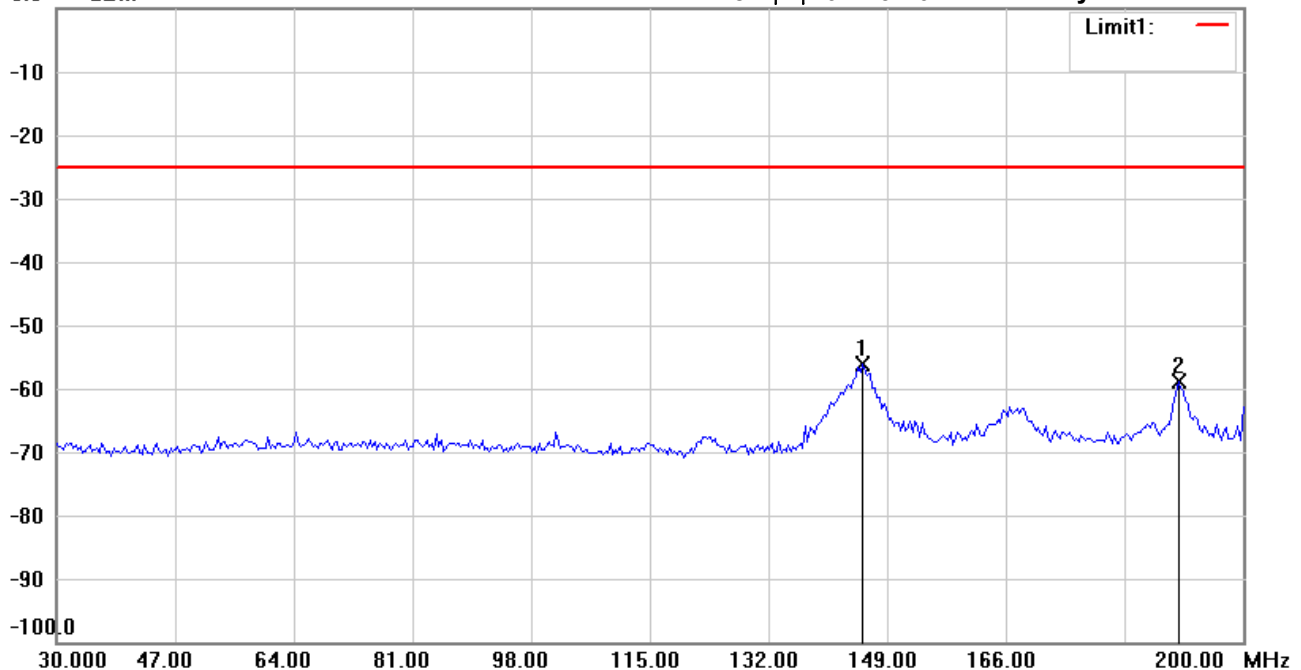
Date: 2019/12/9

Temperature: 24 °C

0.0 dBm

Time: 下午 07:43:40

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 161.725MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 145.4910        | -76.66        | peak     | 20.57             | -56.09       | -25.00      | 150          | 245            | -31.09      |         |
|     | 190.8015        | -80.65        | peak     | 21.84             | -58.81       | -25.00      | 150          | 185            | -33.81      |         |

\*: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: Kent

File :1

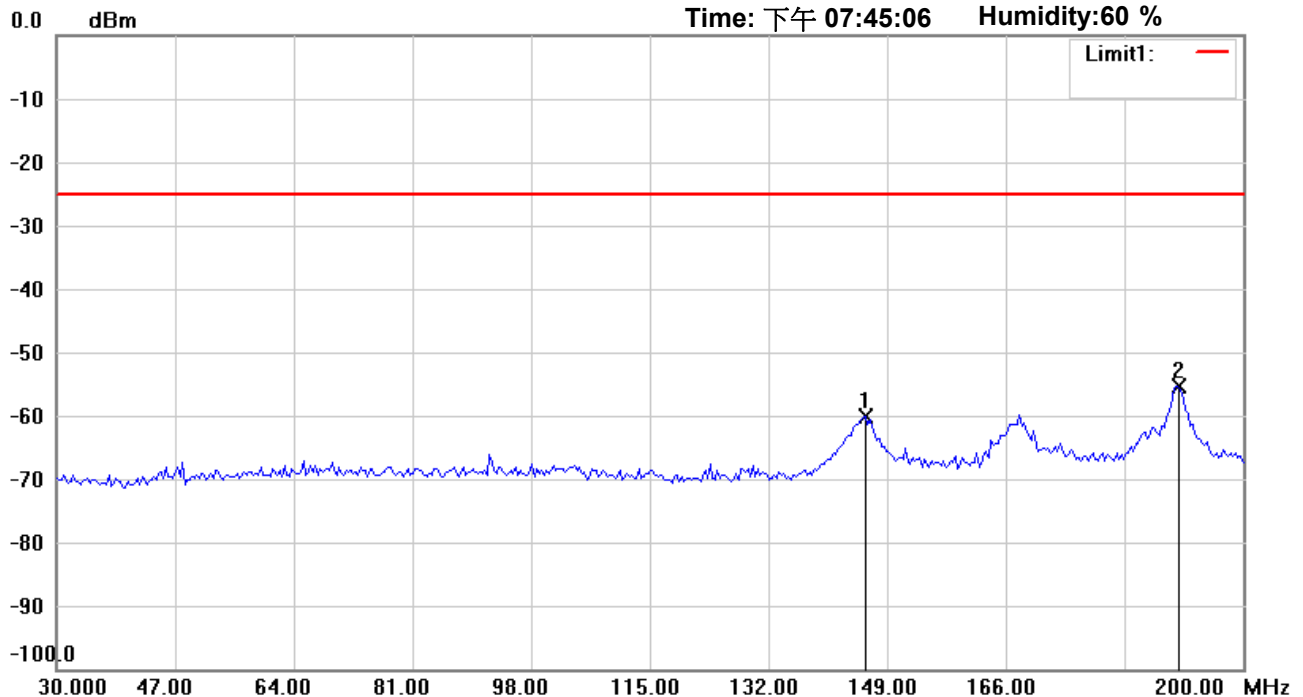
Data :#2

Date: 2019/12/9

Temperature: 24 °C

Time: 下午 07:45:06

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 161.725MHz

Note :

Polarization: Vertical

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 145.8317        | -81.39        | peak     | 21.15             | -60.24       | -25.00      | 150          | 330            | -35.24      |         |
| *   | 190.4610        | -77.58        | peak     | 22.22             | -55.36       | -25.00      | 150          | 45             | -30.36      |         |

\*: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: Kent

File :2

Data :#1

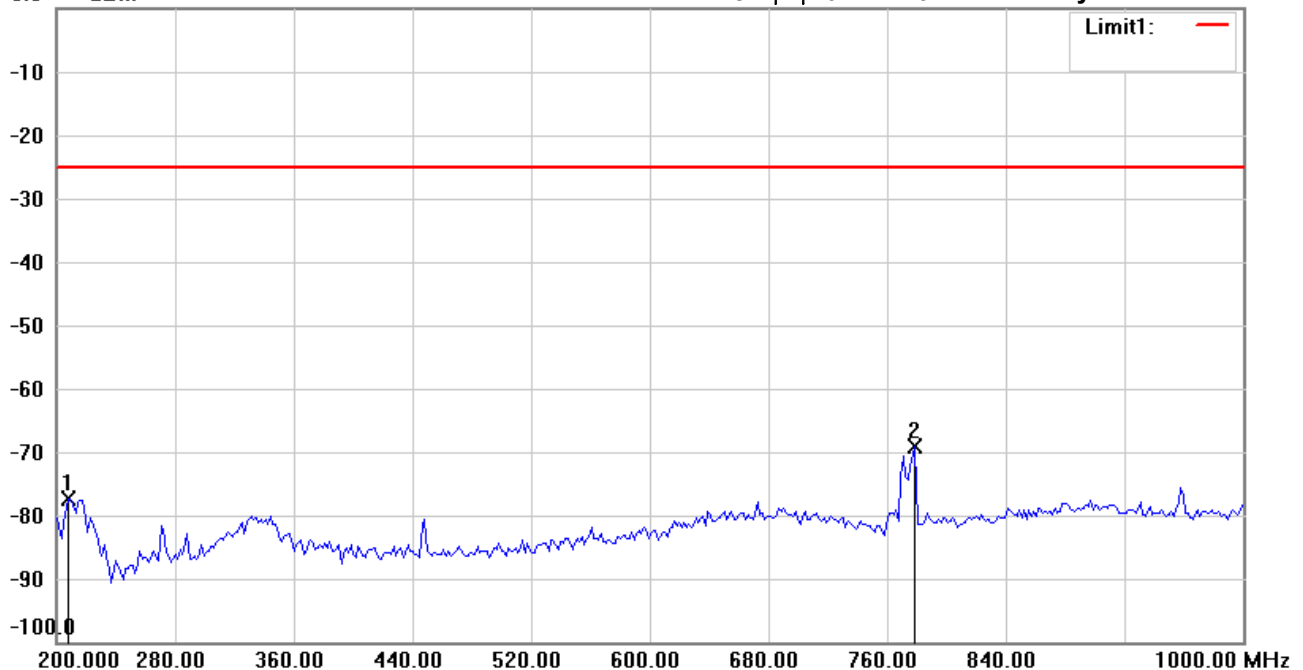
Date: 2019/12/10

Temperature:24 °C

0.0 dBm

Time: 下午 02:22:29

Humidity:60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 161.725MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 208.0160        | -62.13        | peak     | -15.18            | -77.31       | -25.00      | 150          | 145            | -52.31      |         |
| *   | 778.7575        | -64.84        | peak     | -4.38             | -69.22       | -25.00      | 150          | 130            | -44.22      |         |

\*: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: Kent

File : 2

Data : #2

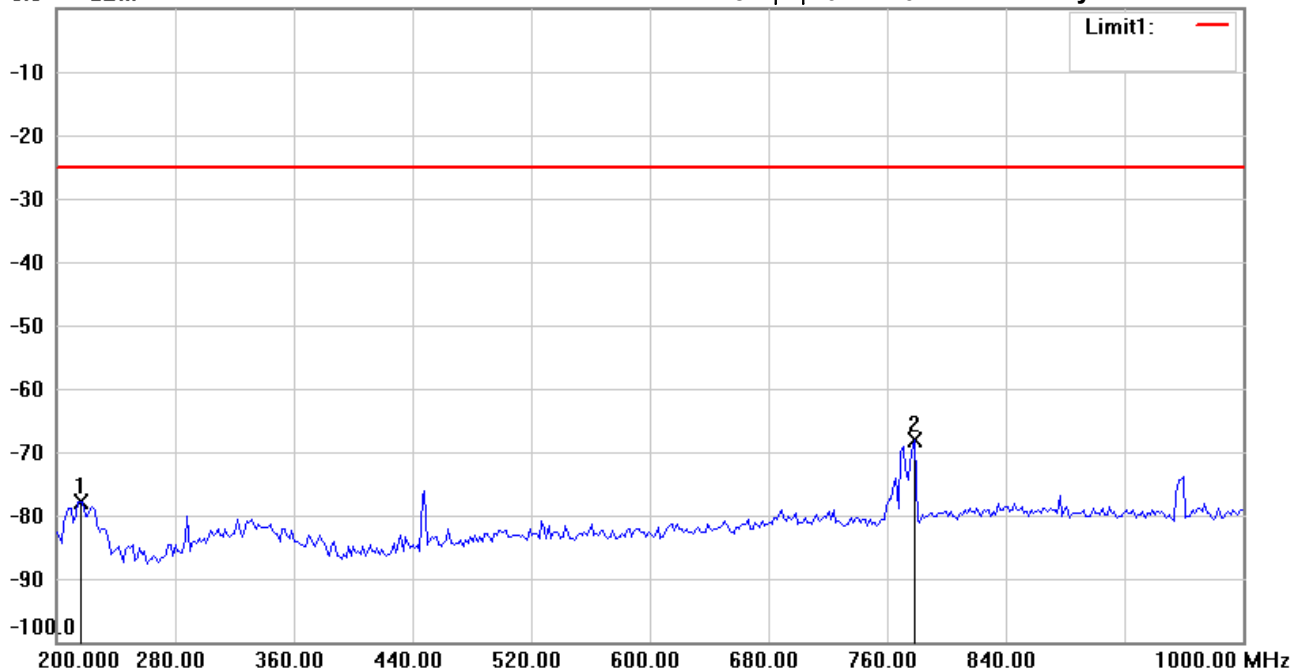
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 02:24:01

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 161.725MHz

Note :

Polarization: Vertical

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 214.4290        | -62.95        | peak     | -14.83            | -77.78       | -25.00      | 150          | 45             | -52.78      |         |
| *   | 778.7575        | -64.92        | peak     | -3.11             | -68.03       | -25.00      | 150          | 220            | -43.03      |         |

\*: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: Kent

File : 3

Data : #1

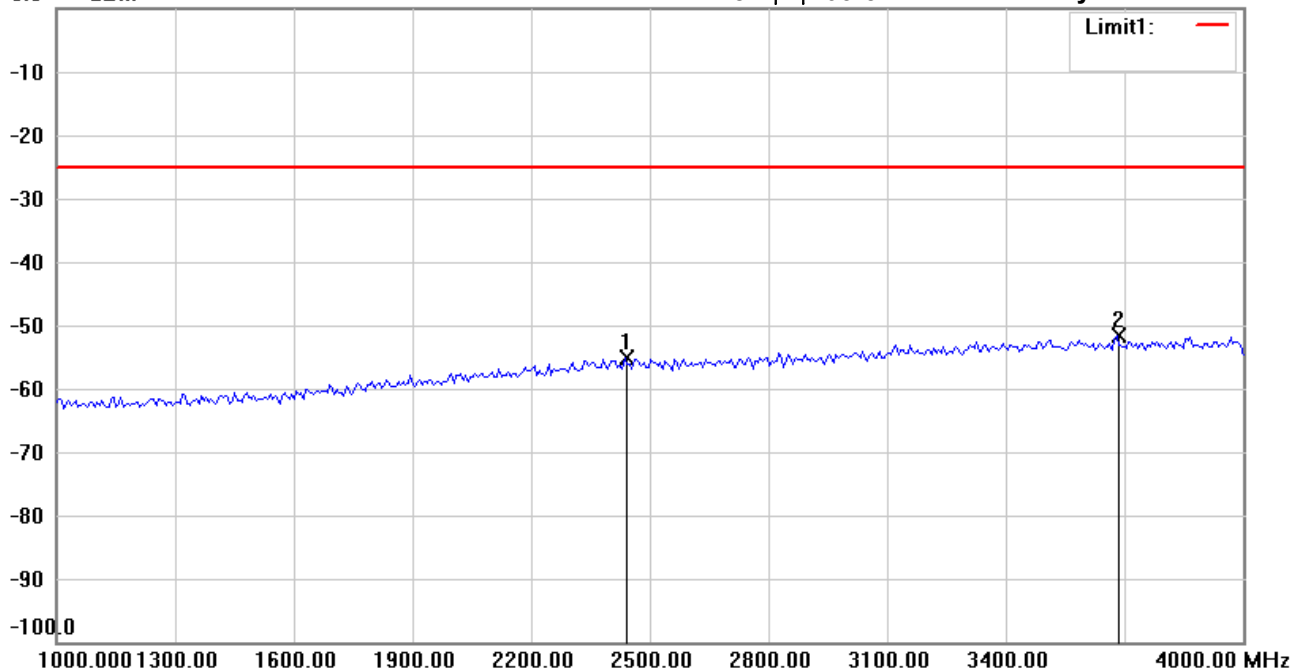
Date: 2019/12/10

Temperature: 24 °C

Time: 下午 03:54:14

Humidity: 60 %

0.0 dBm



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 161.725MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2436.874        | -60.82        | peak     | 5.61              | -55.21       | -25.00      | 150          | 145            | -30.21      |         |
| *   | 3681.363        | -61.30        | peak     | 9.70              | -51.60       | -25.00      | 150          | 110            | -26.60      |         |

\*: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: Kent

File : 3

Data : #2

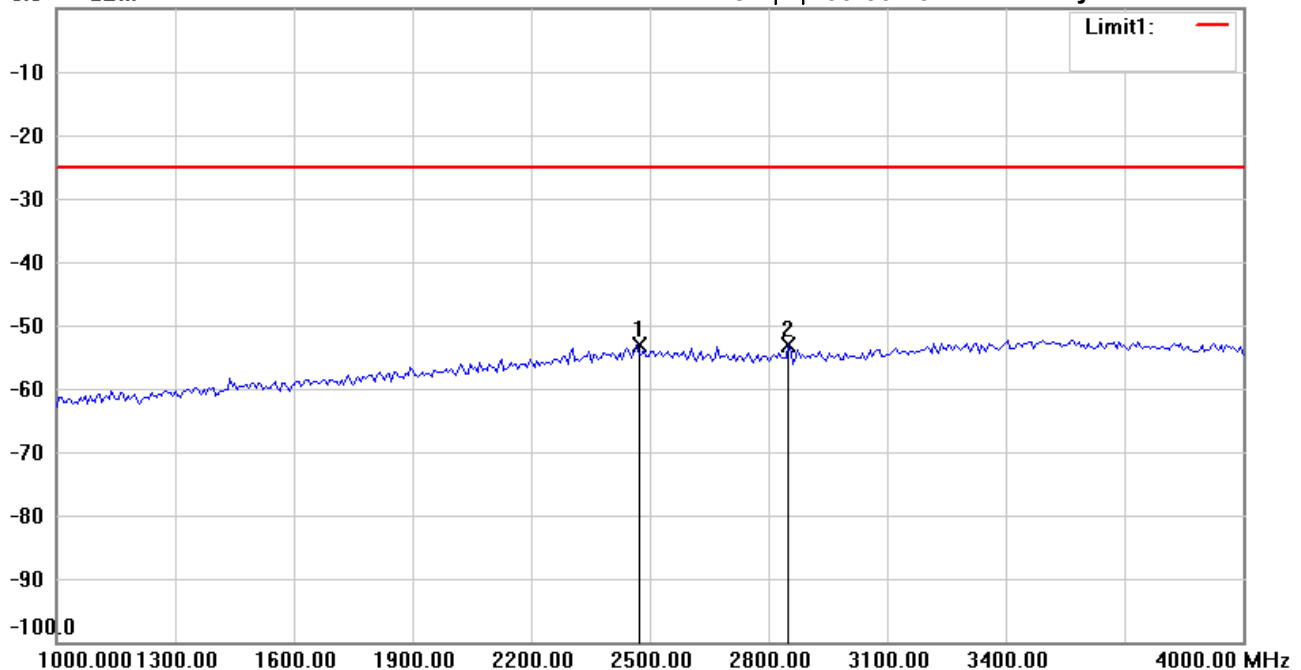
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 03:56:23

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 161.725MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 2466.934        | -60.45        | peak     | 7.37              | -53.08       | -25.00      | 150          | 110            | -28.08      |         |
|     | 2851.703        | -60.60        | peak     | 7.38              | -53.22       | -25.00      | 150          | 305            | -28.22      |         |

\*: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: Kent

File :1

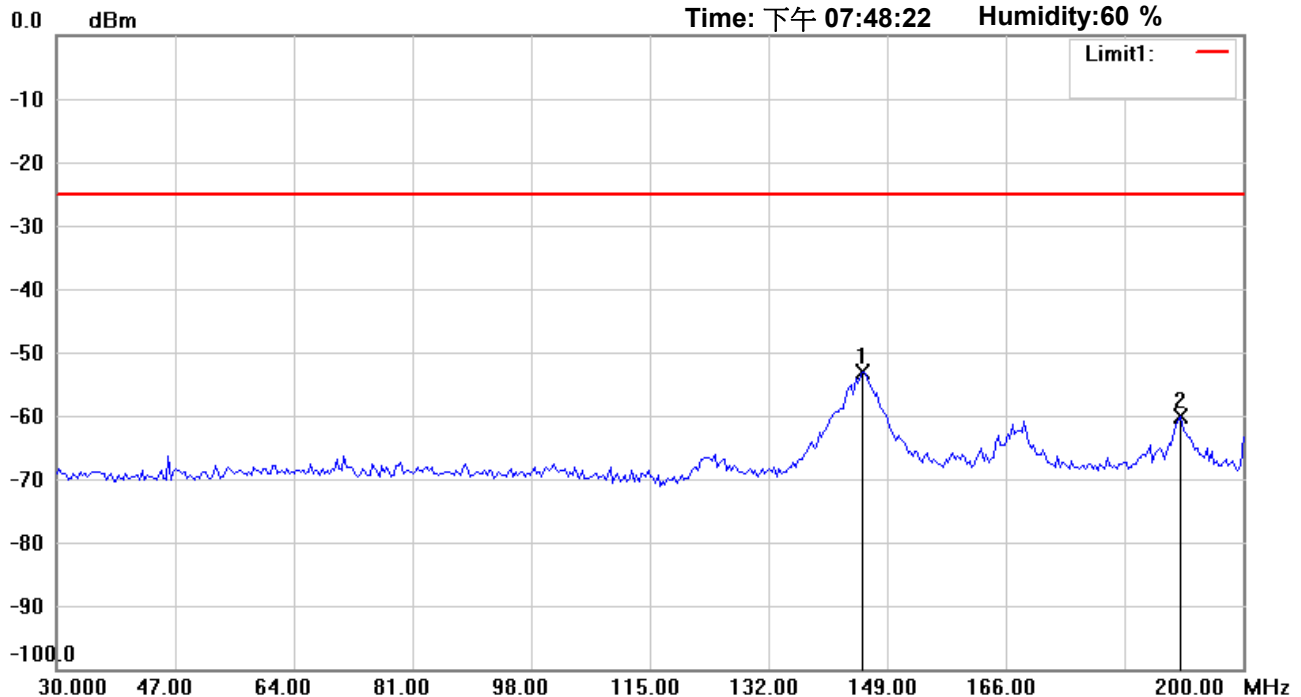
Data :#1

Date: 2019/12/9

Temperature: 24 °C

Time: 下午 07:48:22

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 173.396875MHz

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 145.4910        | -73.66        | peak     | 20.57             | -53.09       | -25.00      | 150          | 40             | -28.09      |         |
|     | 191.1423        | -81.97        | peak     | 21.83             | -60.14       | -25.00      | 150          | 115            | -35.14      |         |

\*: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: Kent

File :1

Data :#2

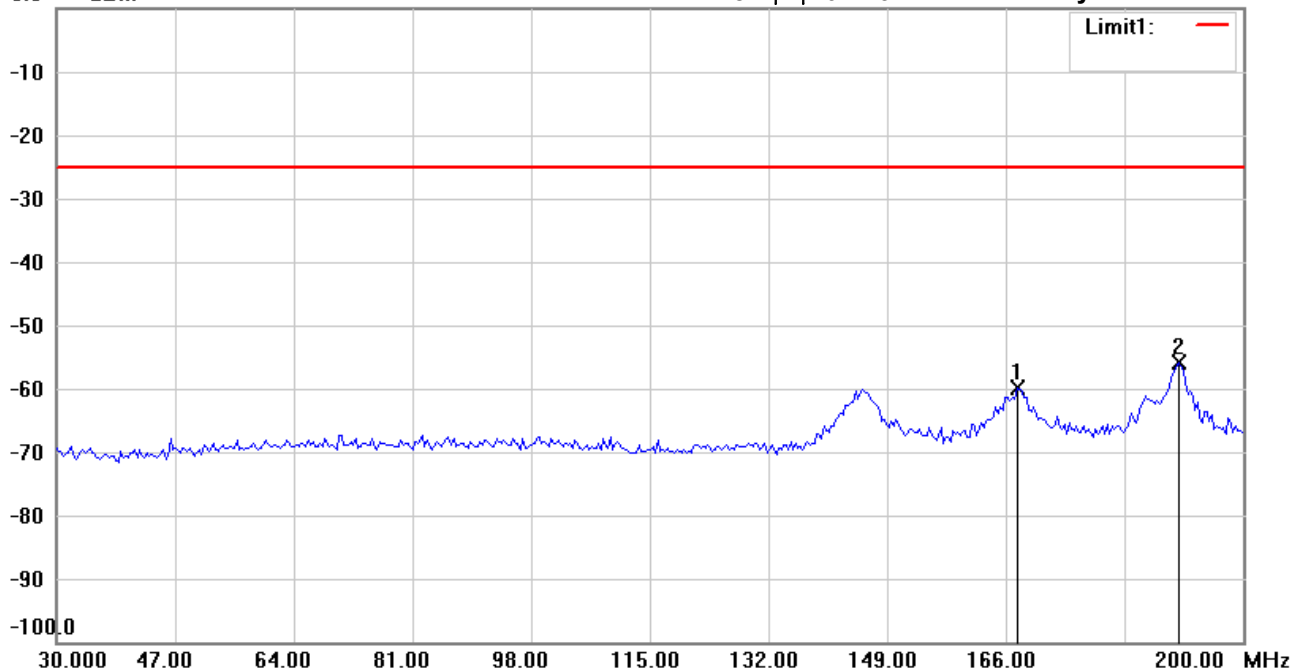
Date: 2019/12/9

Temperature: 24 °C

0.0 dBm

Time: 下午 07:49:41

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 173.396875MHz

Note :

Polarization: Vertical

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 167.6353        | -82.00        | peak     | 22.08             | -59.92       | -25.00      | 150          | 110            | -34.92      |         |
| *   | 190.8015        | -78.19        | peak     | 22.22             | -55.97       | -25.00      | 150          | 350            | -30.97      |         |

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



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

# Radiated Emission Measurement

Operator: Kent

File : 2

Data : #1

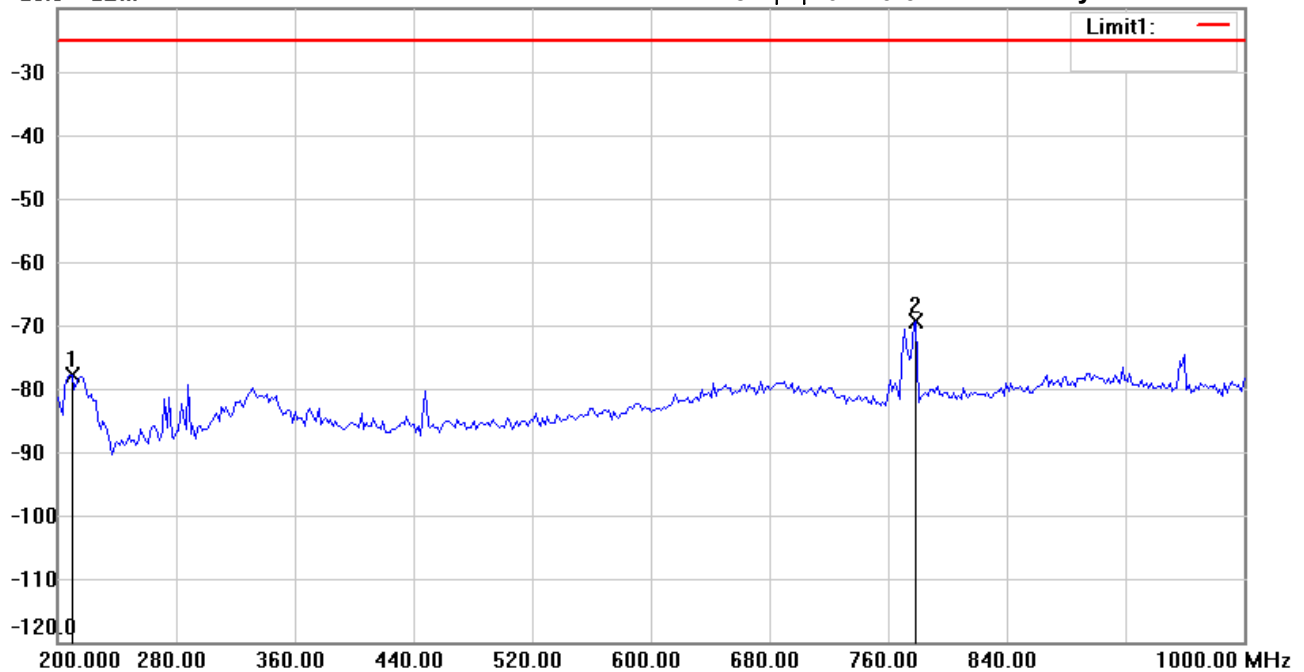
Date: 2019/12/10

Temperature: 24 °C

-20.0 dBm

Time: 下午 02:26:31

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 173.396875MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 209.6192        | -62.67        | peak     | -15.20            | -77.87       | -25.00      | 150          | 45             | -52.87      |         |
| *   | 778.7575        | -64.95        | peak     | -4.38             | -69.33       | -25.00      | 150          | 220            | -44.33      |         |

\*: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: Kent

File : 2

Data : #2

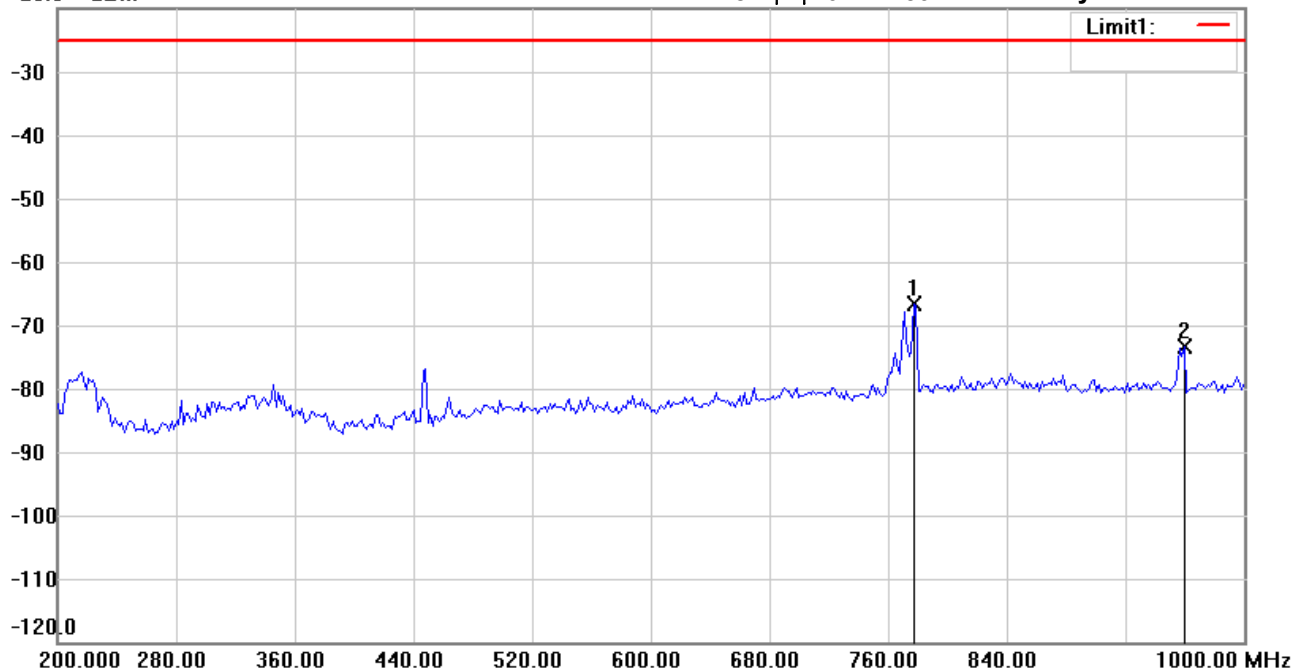
Date: 2019/12/10

Temperature: 24 °C

-20.0 dBm

Time: 下午 02:27:59

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 173.396875MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 777.1543        | -63.56        | peak     | -3.14             | -66.70       | -25.00      | 150          | 30             | -41.70      |         |
|     | 959.9198        | -70.38        | peak     | -2.88             | -73.26       | -25.00      | 150          | 110            | -48.26      |         |

\*: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: Kent

File : 3

Data : #1

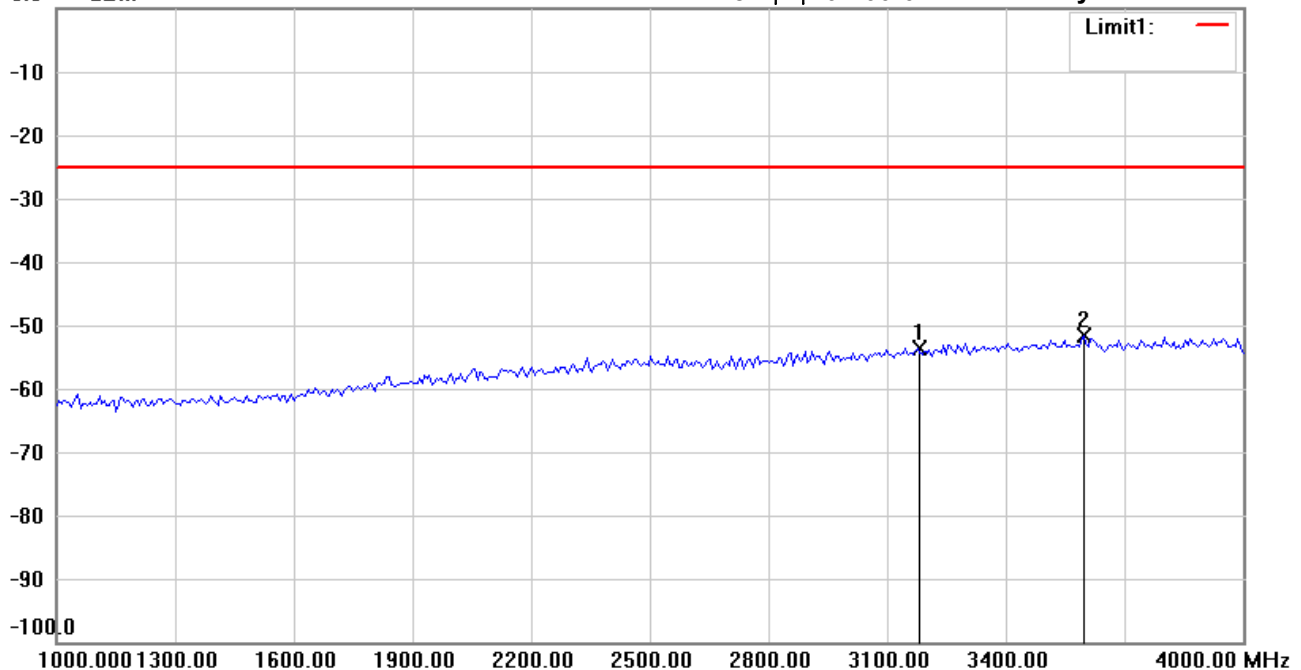
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:00:02

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 173.396875MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 3176.353        | -61.59        | peak     | 8.00              | -53.59       | -25.00      | 150          | 45             | -28.59      |         |
| *   | 3597.194        | -61.27        | peak     | 9.58              | -51.69       | -25.00      | 150          | 160            | -26.69      |         |

\*: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: Kent

File : 3

Data : #2

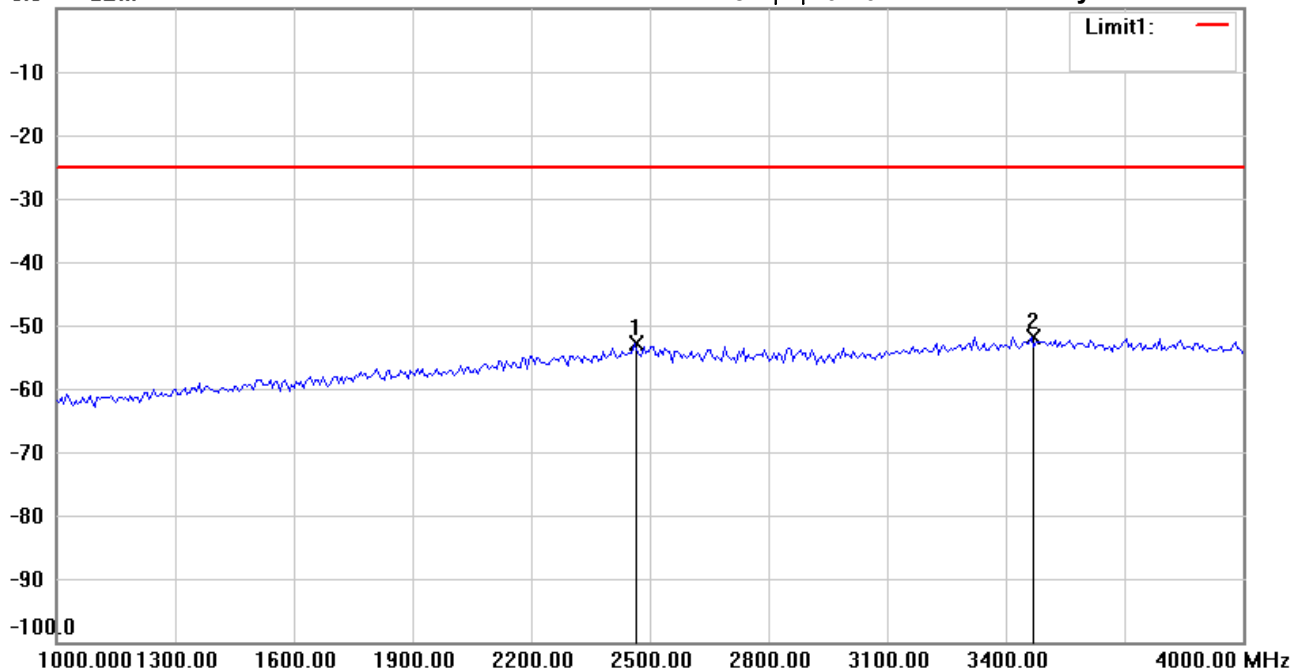
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:02:22

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 173.396875MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2460.922        | -60.29        | peak     | 7.34              | -52.95       | -25.00      | 150          | 45             | -27.95      |         |
| *   | 3464.930        | -61.53        | peak     | 9.66              | -51.87       | -25.00      | 150          | 130            | -26.87      |         |

\*: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: Kent

File :1

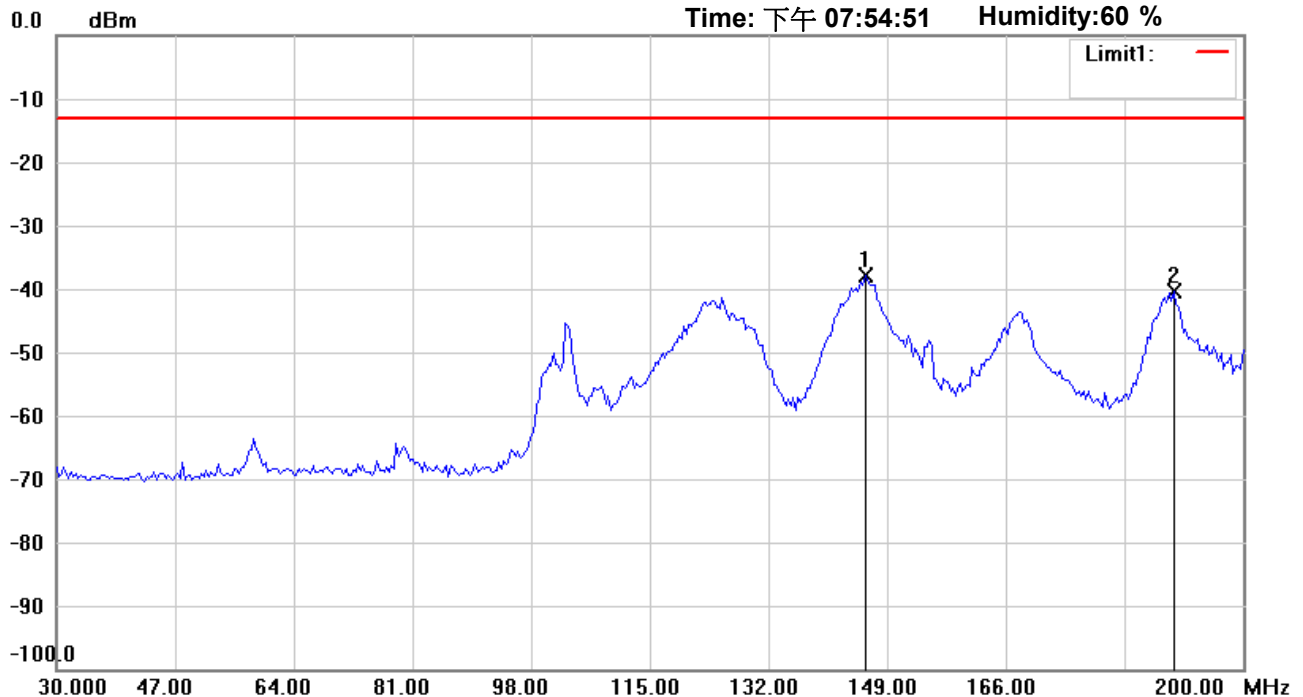
Data :#1

Date: 2019/12/9

Temperature: 24 °C

Time: 下午 07:54:51

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 758.003125MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 145.8317        | -58.52        | peak     | 20.59             | -37.93       | -13.00      | 150          | 45             | -24.93      |         |
|     | 190.1202        | -62.29        | peak     | 21.86             | -40.43       | -13.00      | 150          | 130            | -27.43      |         |

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



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

Radiated Emission Measurement

Operator: Kent

File :1

Data :#2

Date: 2019/12/9

Temperature: 24 °C

0.0 dBm

Time: 下午 07:56:20

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 758.003125MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 167.6353        | -62.17        | peak     | 22.08             | -40.09       | -13.00      | 150          | 160            | -27.09      |         |
| *   | 189.4390        | -56.90        | peak     | 22.22             | -34.68       | -13.00      | 150          | 220            | -21.68      |         |

\*: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: Kent

File : 2

Data : #1

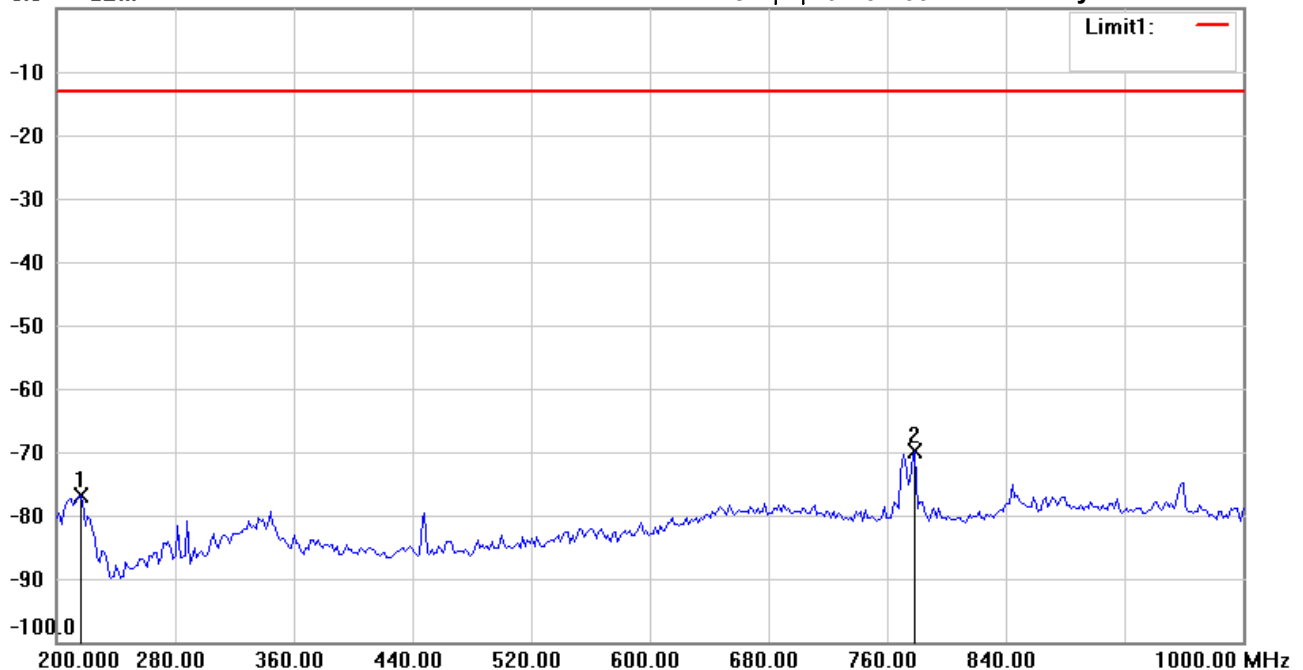
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 02:31:09

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 758.003125MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 216.0321        | -61.72        | peak     | -15.27            | -76.99       | -13.00      | 150          | 45             | -63.99      |         |
| *   | 778.7575        | -65.56        | peak     | -4.38             | -69.94       | -13.00      | 150          | 330            | -56.94      |         |

\*: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: Kent

File : 2

Data : #2

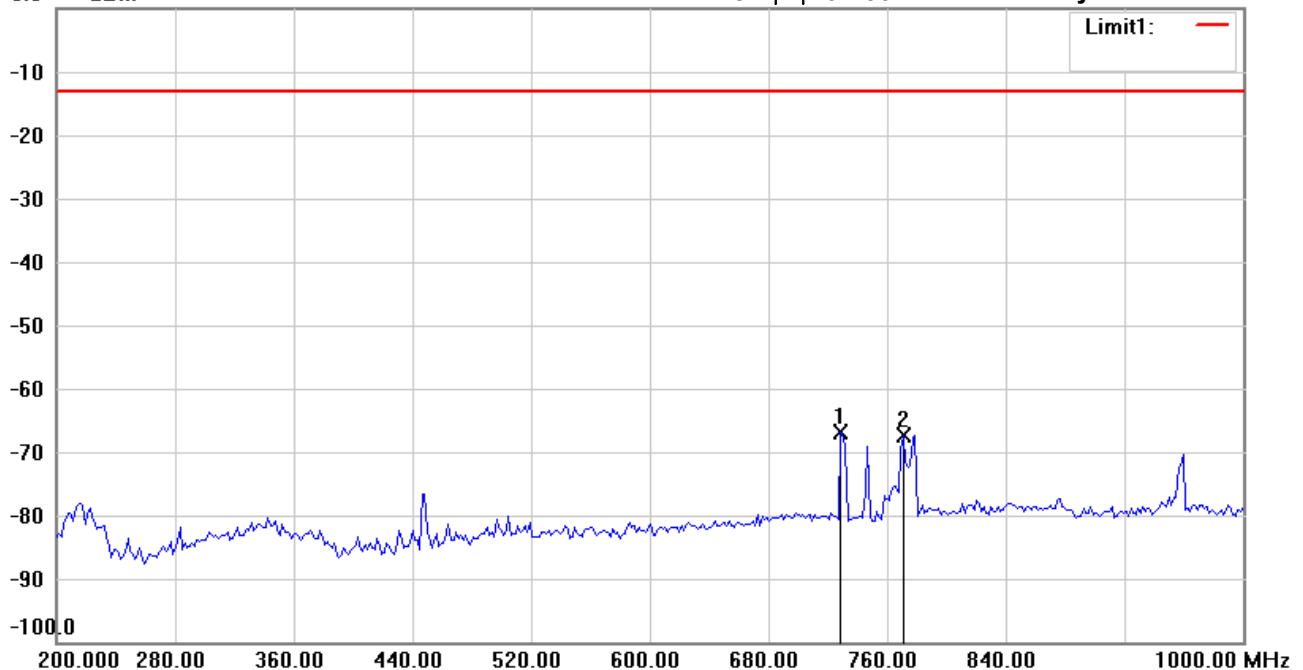
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 02:33:41

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 758.003125MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 729.0581        | -63.52        | peak     | -3.44             | -66.96       | -13.00      | 150          | 145            | -53.96      |         |
|     | 770.7415        | -64.00        | peak     | -3.26             | -67.26       | -13.00      | 150          | 130            | -54.26      |         |

\*: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: Kent

File : 3

Data : #1

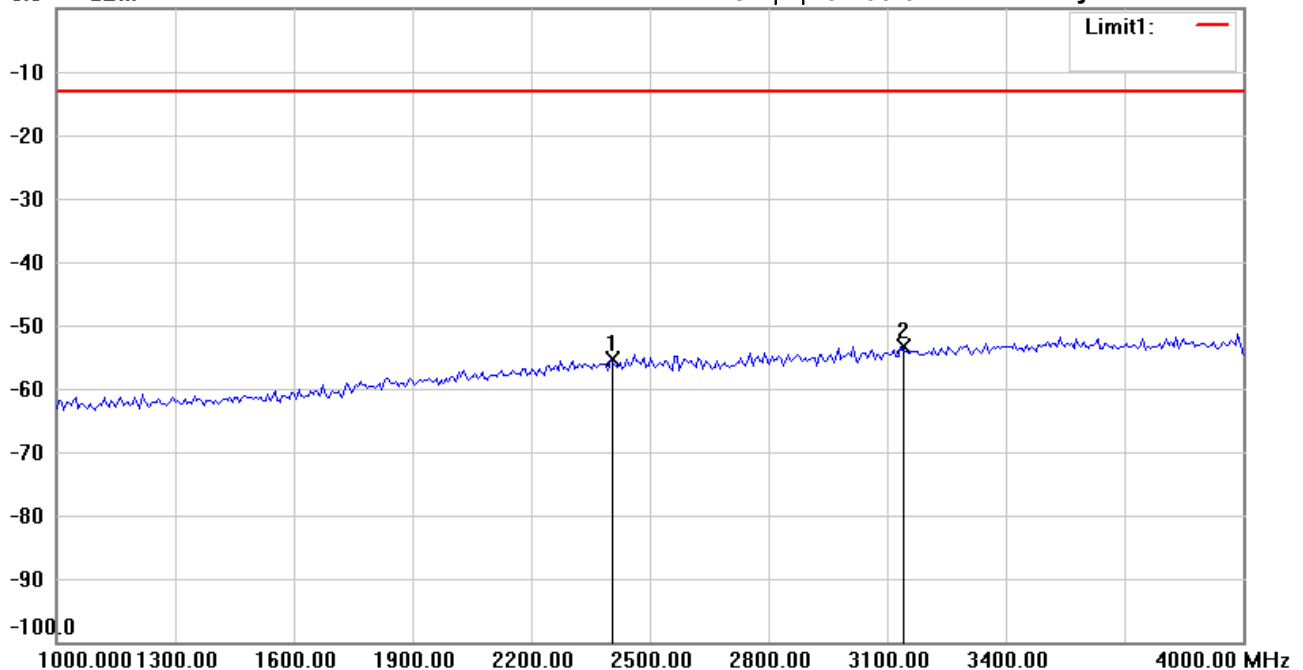
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:06:04

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 758.003125MHz

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2400.802        | -60.67        | peak     | 5.42              | -55.25       | -13.00      | 150          | 145            | -42.25      |         |
| *   | 3134.269        | -61.22        | peak     | 7.81              | -53.41       | -13.00      | 150          | 110            | -40.41      |         |

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



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

# Radiated Emission Measurement

Operator: Kent

File : 3

Data : #3

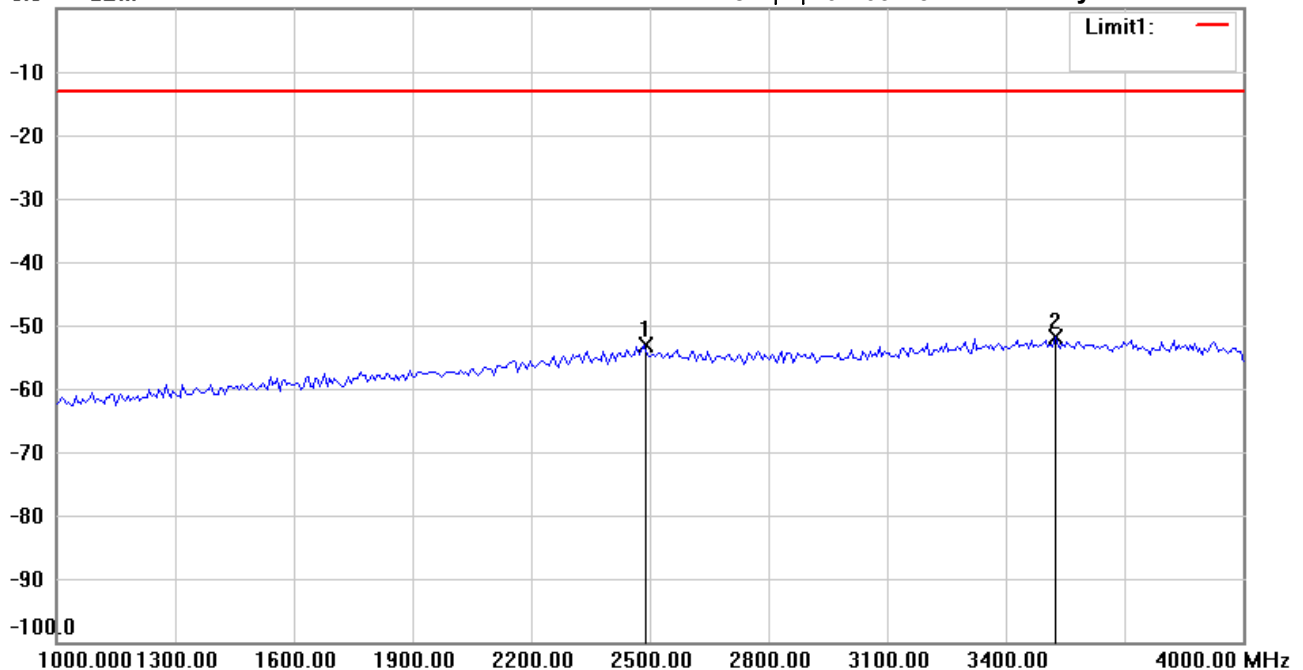
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:09:13

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 758.003125MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2484.970        | -60.72        | peak     | 7.49              | -53.23       | -13.00      | 150          | 110            | -40.23      |         |
| *   | 3525.050        | -61.57        | peak     | 9.82              | -51.75       | -13.00      | 150          | 305            | -38.75      |         |

\*: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: Kent

File : 3

Data : #2

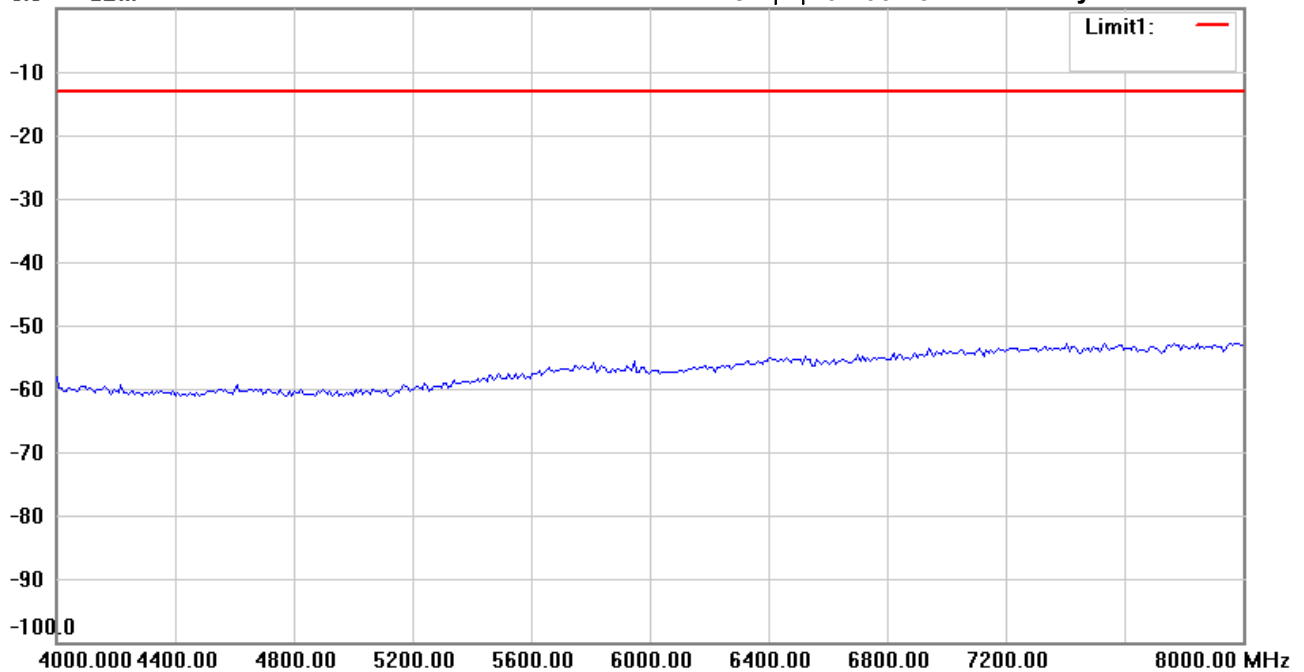
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:06:43

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 758.003125MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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, Neihsu, Taipei  
Tel: +886-2-6606-8877  
Fax: +886-2-6606-8879

# Radiated Emission Measurement

Operator: Kent

File : 3

Data : #4

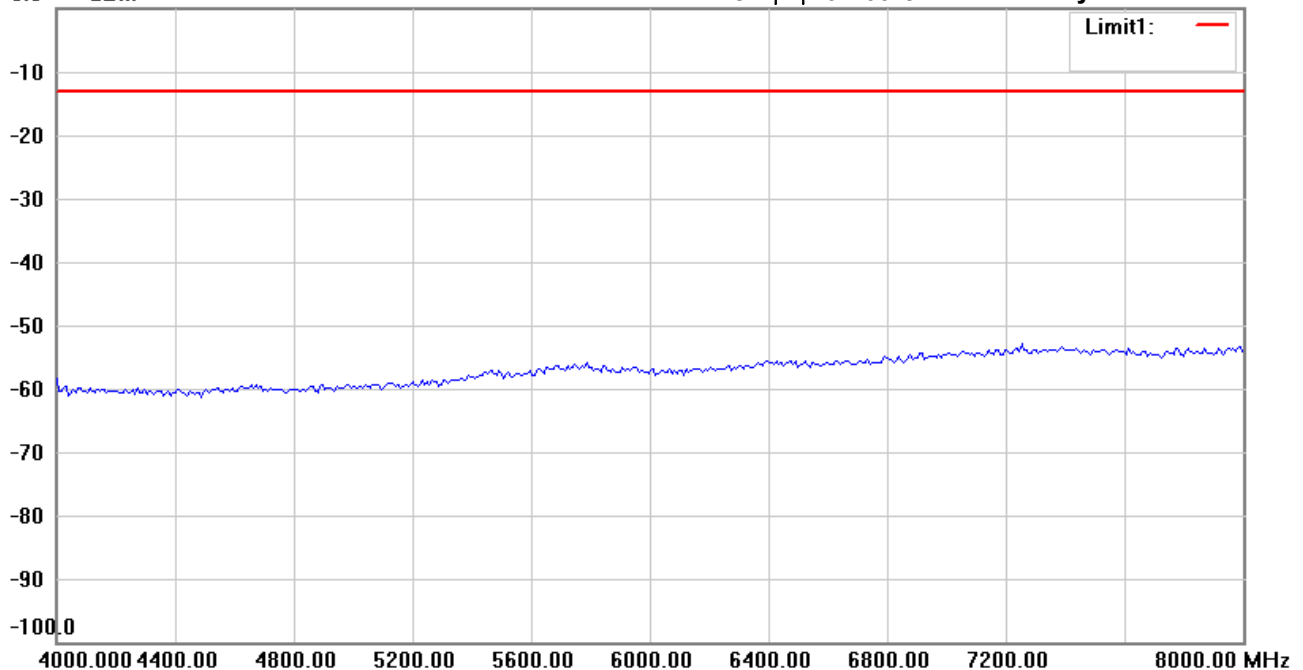
Date: 2019/12/10

Temperature: 24 °C

Time: 下午 04:09:52

Humidity: 60 %

0.0 dBm



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 758.003125MHz

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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: Kent

File :1

Data :#1

Date: 2019/12/9

Temperature: 24 °C

Time: 下午 07:59:07

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 766.5MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 145.8317        | -58.01        | peak     | 20.59             | -37.42       | -13.00      | 150          | 75             | -24.42      |         |
|     | 189.4390        | -59.71        | peak     | 21.88             | -37.83       | -13.00      | 150          | 220            | -24.83      |         |

\*: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: Kent

File :1

Data :#2

Date: 2019/12/9

Temperature: 24 °C

0.0 dBm

Time: 下午 08:00:34

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 766.5MHz

Note :

Polarization: Vertical

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 167.9760        | -61.62        | peak     | 22.08             | -39.54       | -13.00      | 150          | 130            | -26.54      |         |
| *   | 189.7796        | -56.70        | peak     | 22.22             | -34.48       | -13.00      | 150          | 75             | -21.48      |         |

\*: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: Kent

File : 2

Data : #1

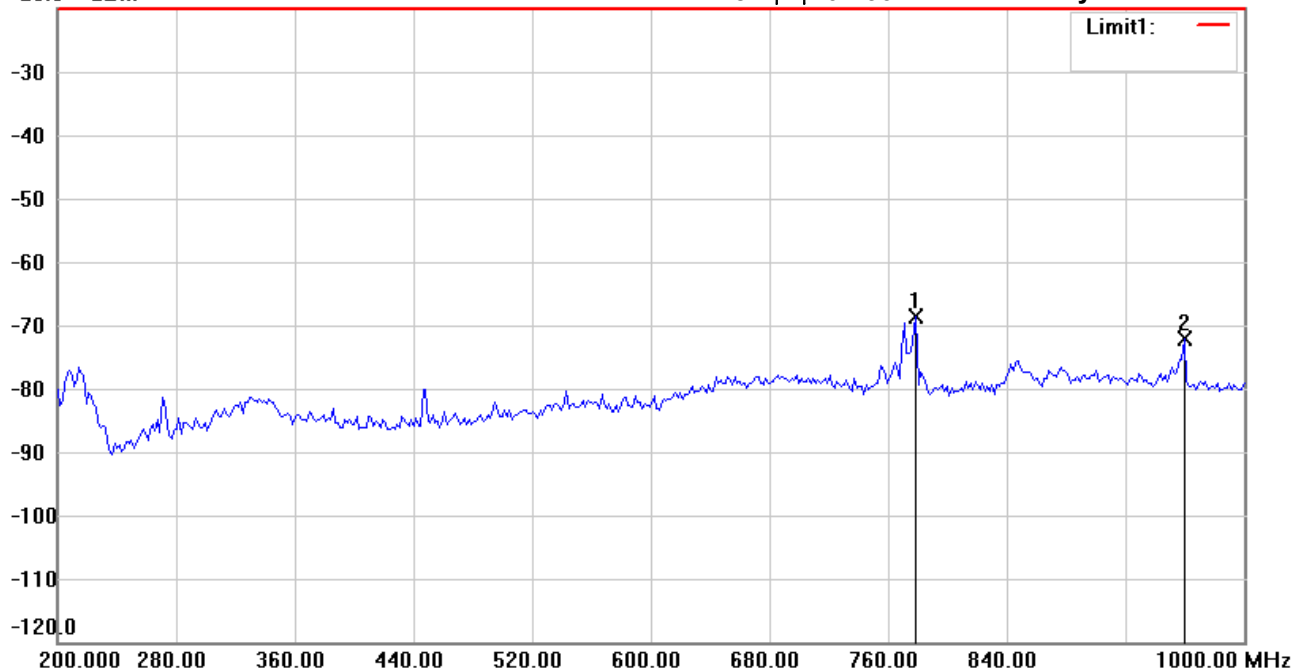
Date: 2019/12/10

Temperature: 24 °C

-20.0 dBm

Time: 下午 02:36:12

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 766.5MHz

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 778.7575        | -64.25        | peak     | -4.38             | -68.63       | -13.00      | 150          | 40             | -55.63      |         |
|     | 959.9198        | -69.07        | peak     | -3.02             | -72.09       | -13.00      | 150          | 130            | -59.09      |         |

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



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

# Radiated Emission Measurement

Operator: Kent

File : 2

Data : #2

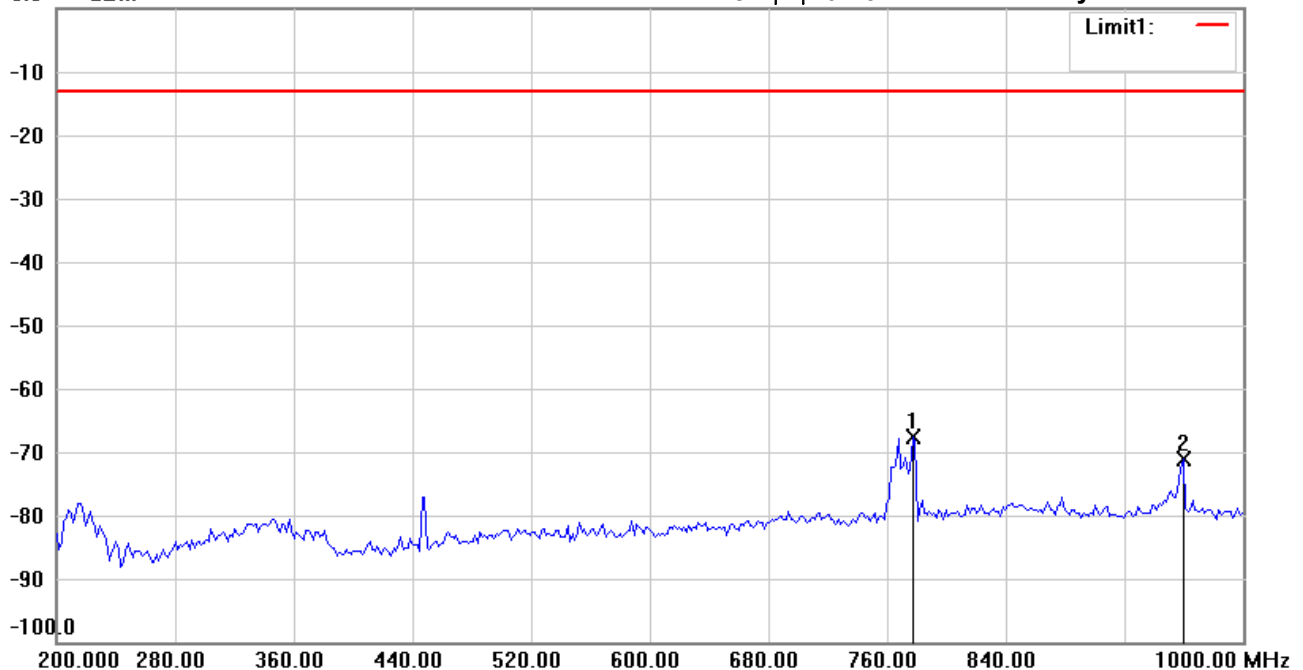
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 02:37:44

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 766.5MHz

Note :

Polarization: Vertical

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 777.1543        | -64.38        | peak     | -3.14             | -67.52       | -13.00      | 150          | 145            | -54.52      |         |
|     | 959.9198        | -68.12        | peak     | -2.88             | -71.00       | -13.00      | 150          | 110            | -58.00      |         |

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



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

# Radiated Emission Measurement

Operator: Kent

File : 3

Data : #1

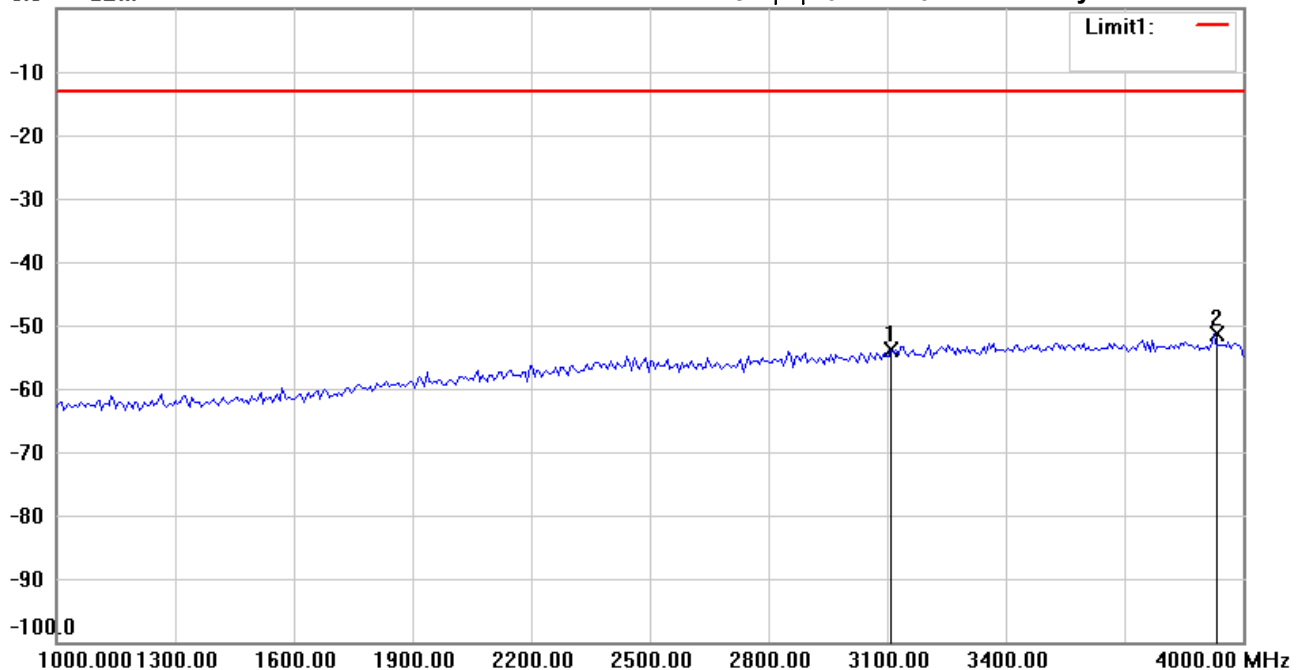
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:12:26

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 766.5MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 3110.220        | -61.69        | peak     | 7.70              | -53.99       | -13.00      | 150          | 110            | -40.99      |         |
| *   | 3927.856        | -61.47        | peak     | 10.06             | -51.41       | -13.00      | 150          | 150            | -38.41      |         |

\*: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: Kent

File : 3

Data : #3

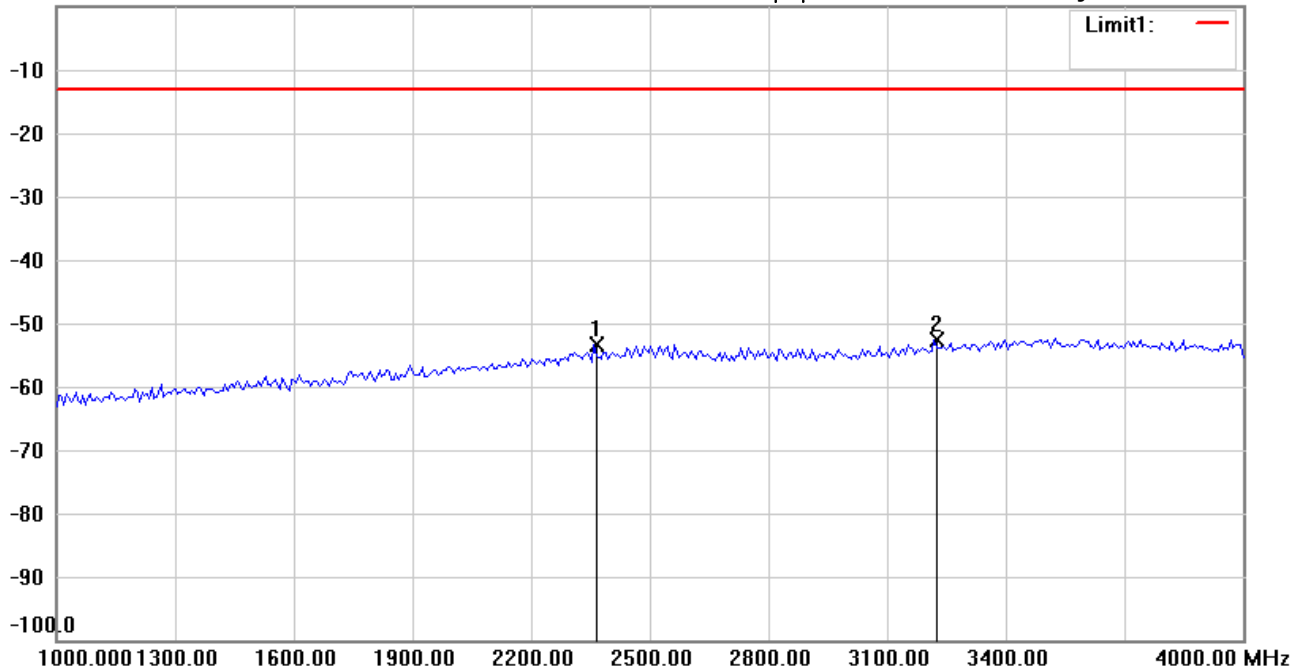
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:15:09

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 766.5MHz

Note :

Polarization: Vertical

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2358.718        | -60.09        | peak     | 6.70              | -53.39       | -13.00      | 150          | 45             | -40.39      |         |
| *   | 3218.437        | -61.00        | peak     | 8.40              | -52.60       | -13.00      | 150          | 110            | -39.60      |         |

\*: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: Kent

File : 3

Data : #2

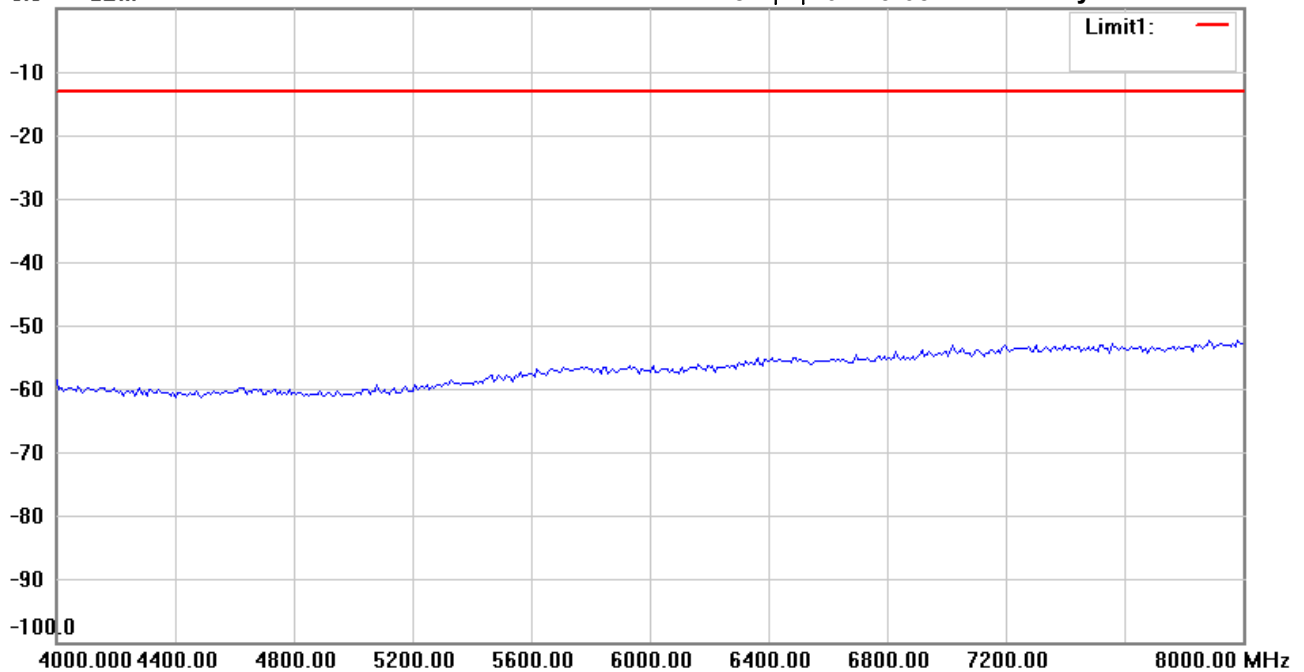
Date: 2019/12/10

Temperature: 24 °C

Time: 下午 04:13:05

Humidity: 60 %

0.0 dBm



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 766.5MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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: Kent

File : 3

Data : #4

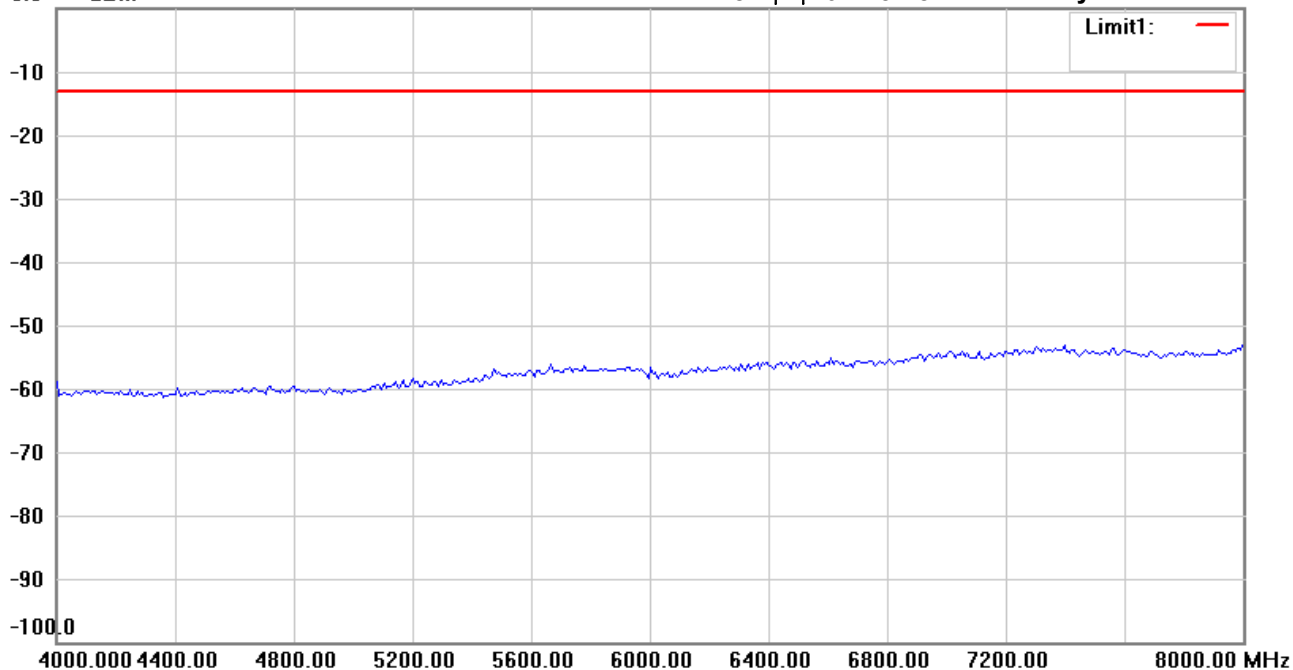
Date: 2019/12/10

Temperature: 24 °C

Time: 下午 04:15:48

Humidity: 60 %

0.0 dBm



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 766.5MHz

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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: Kent

File :1

Data :#1

Date: 2019/12/9

Temperature: 24 °C

Time: 下午 08:03:27

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 774.996875MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 145.8317        | -59.49        | peak     | 20.59             | -38.90       | -13.00      | 150          | 245            | -25.90      |         |
|     | 189.0982        | -60.98        | peak     | 21.89             | -39.09       | -13.00      | 150          | 160            | -26.09      |         |

\*: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: Kent

File :1

Data :#2

Date: 2019/12/9

Temperature: 24 °C

0.0 dBm

Time: 下午 08:05:16

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 774.996875MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 168.3166        | -61.83        | peak     | 22.09             | -39.74       | -13.00      | 150          | 160            | -26.74      |         |
| *   | 189.4390        | -57.35        | peak     | 22.22             | -35.13       | -13.00      | 150          | 245            | -22.13      |         |

\*: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: Kent

File : 2

Data : #1

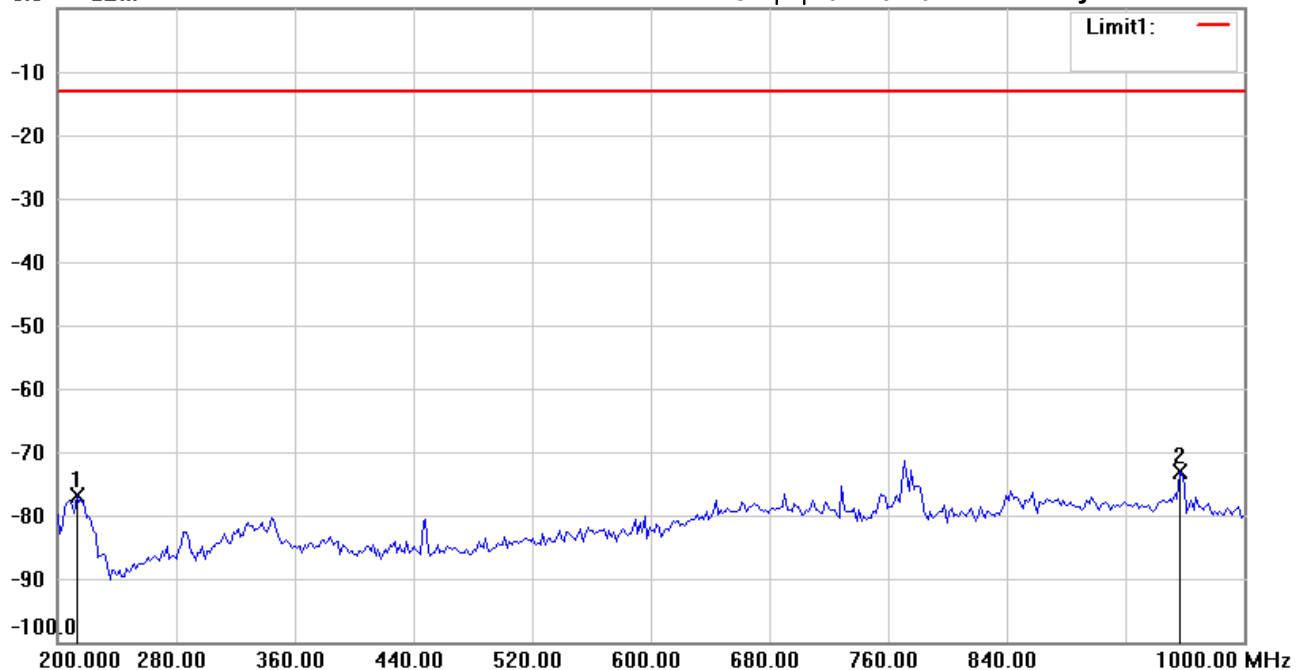
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 02:40:16

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 774.996875MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 212.8257        | -61.71        | peak     | -15.23            | -76.94       | -13.00      | 150          | 110            | -63.94      |         |
| *   | 956.7134        | -70.08        | peak     | -3.01             | -73.09       | -13.00      | 150          | 305            | -60.09      |         |

\*: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: Kent

File : 2

Data : #2

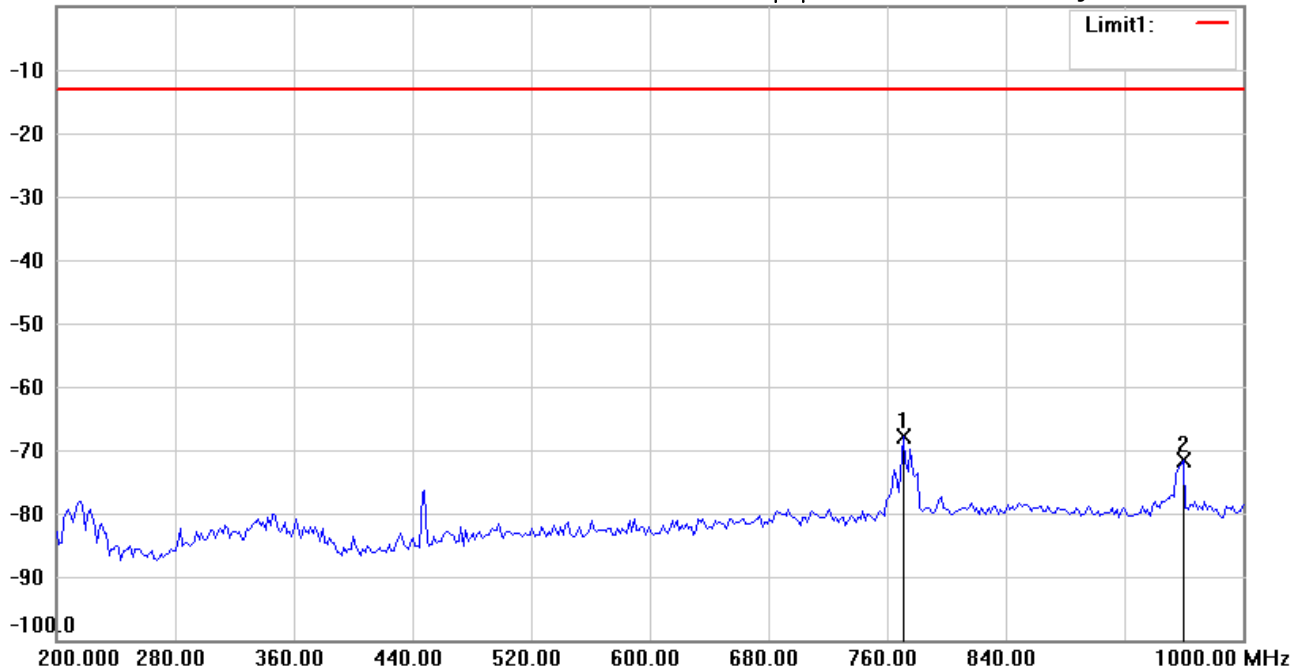
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 02:42:11

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 774.996875MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 770.7415        | -64.73        | peak     | -3.26             | -67.99       | -13.00      | 150          | 105            | -54.99      |         |
|     | 959.9198        | -68.76        | peak     | -2.88             | -71.64       | -13.00      | 150          | 130            | -58.64      |         |

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



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

# Radiated Emission Measurement

Operator: Kent

File : 3

Data : #1

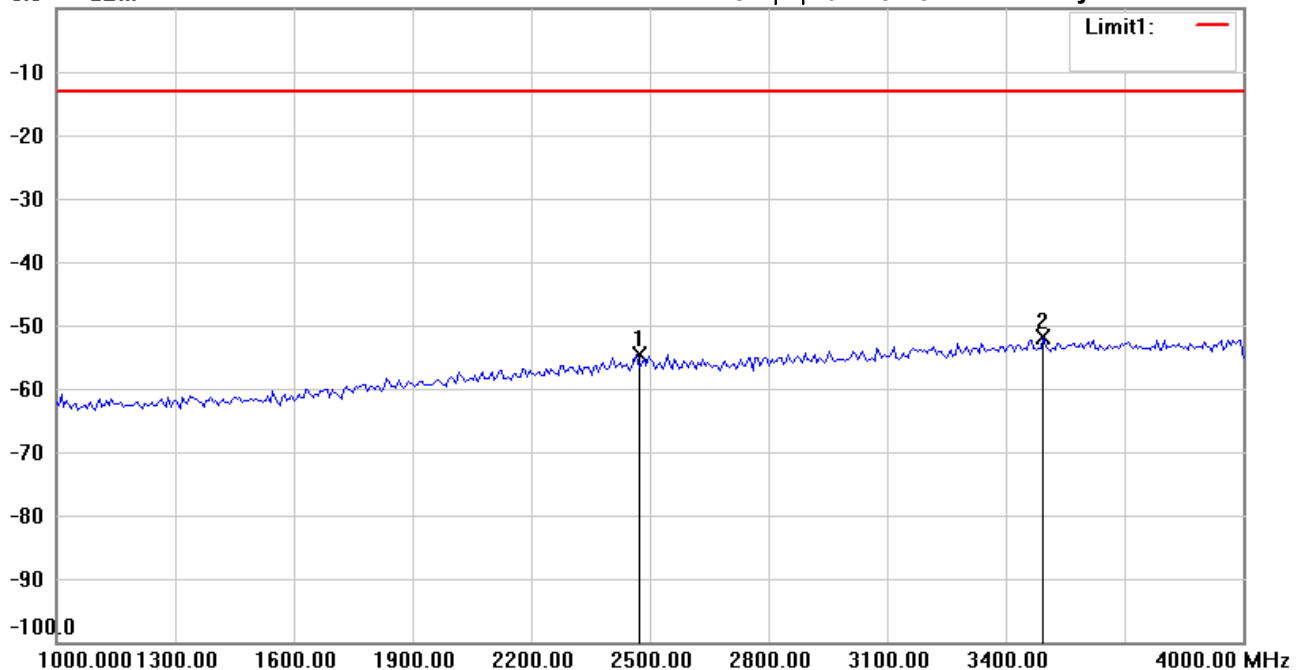
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:18:18

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 774.996875MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2466.934        | -60.41        | peak     | 5.77              | -54.64       | -13.00      | 150          | 45             | -41.64      |         |
| *   | 3494.990        | -61.19        | peak     | 9.42              | -51.77       | -13.00      | 150          | 160            | -38.77      |         |

\*: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: Kent

File : 3

Data : #3

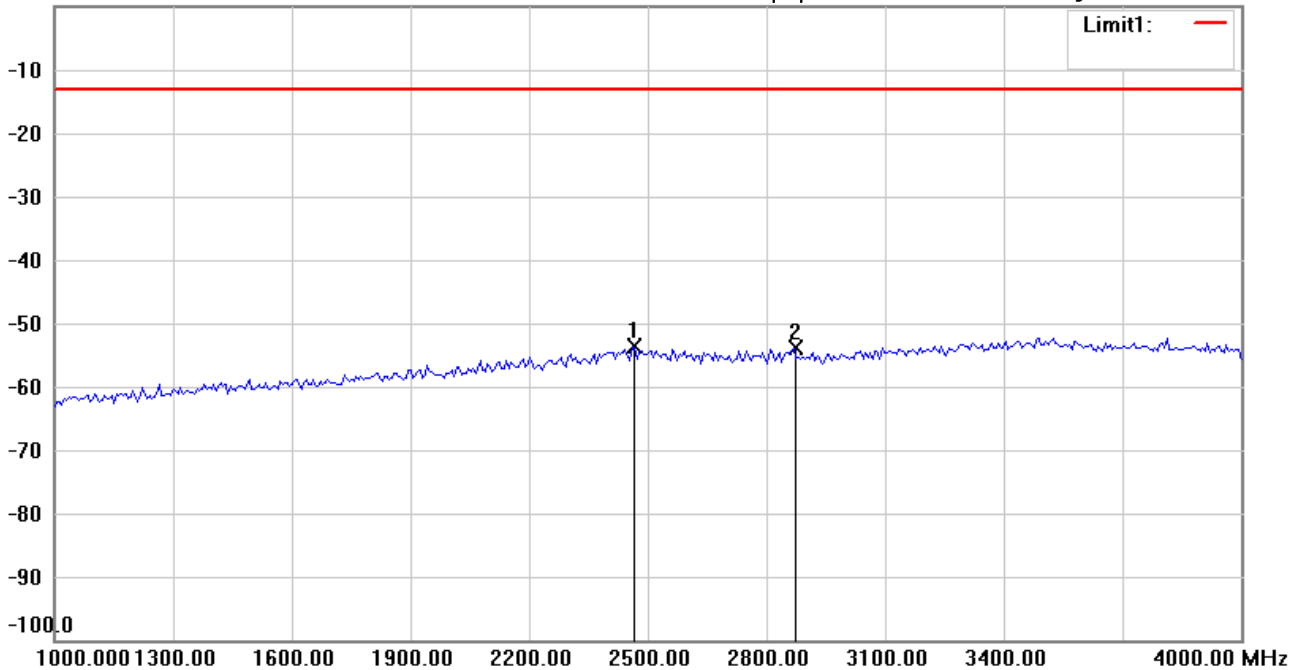
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:21:45

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 774.996875MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 2460.922        | -60.94        | peak     | 7.34              | -53.60       | -13.00      | 150          | 145            | -40.60      |         |
|     | 2869.740        | -61.28        | peak     | 7.37              | -53.91       | -13.00      | 150          | 110            | -40.91      |         |

\*: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: Kent

File : 3

Data : #2

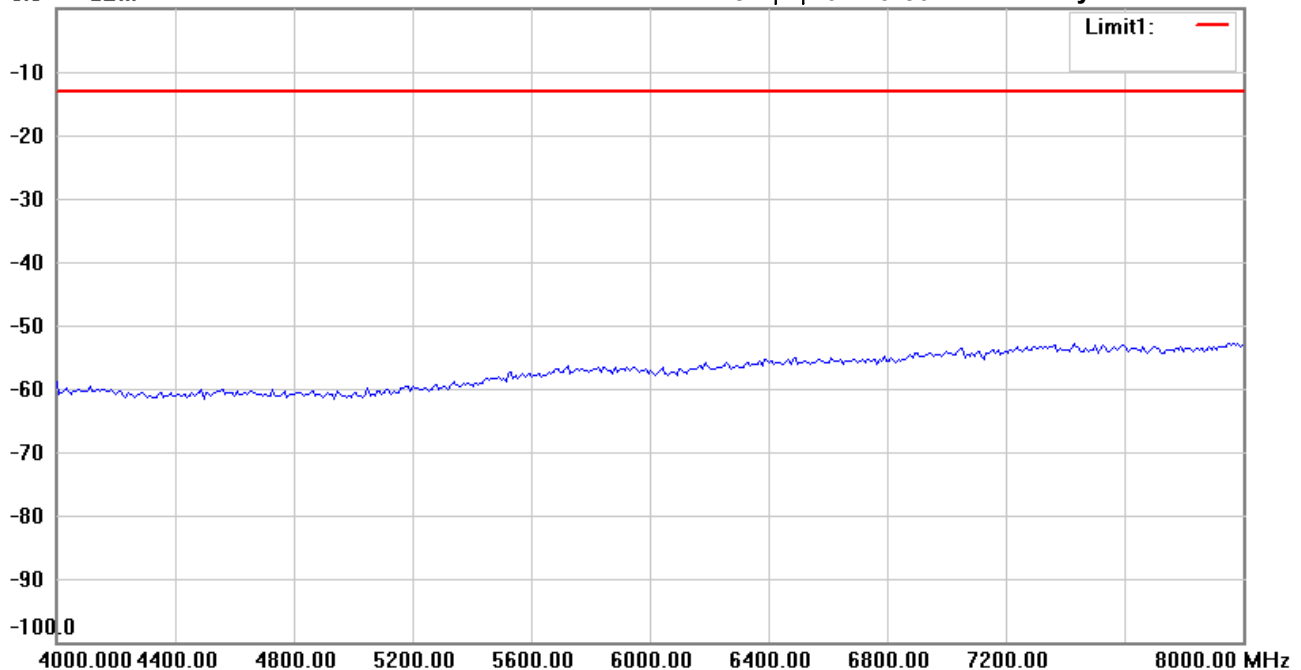
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:19:50

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 774.996875MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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: Kent

File : 3

Data : #4

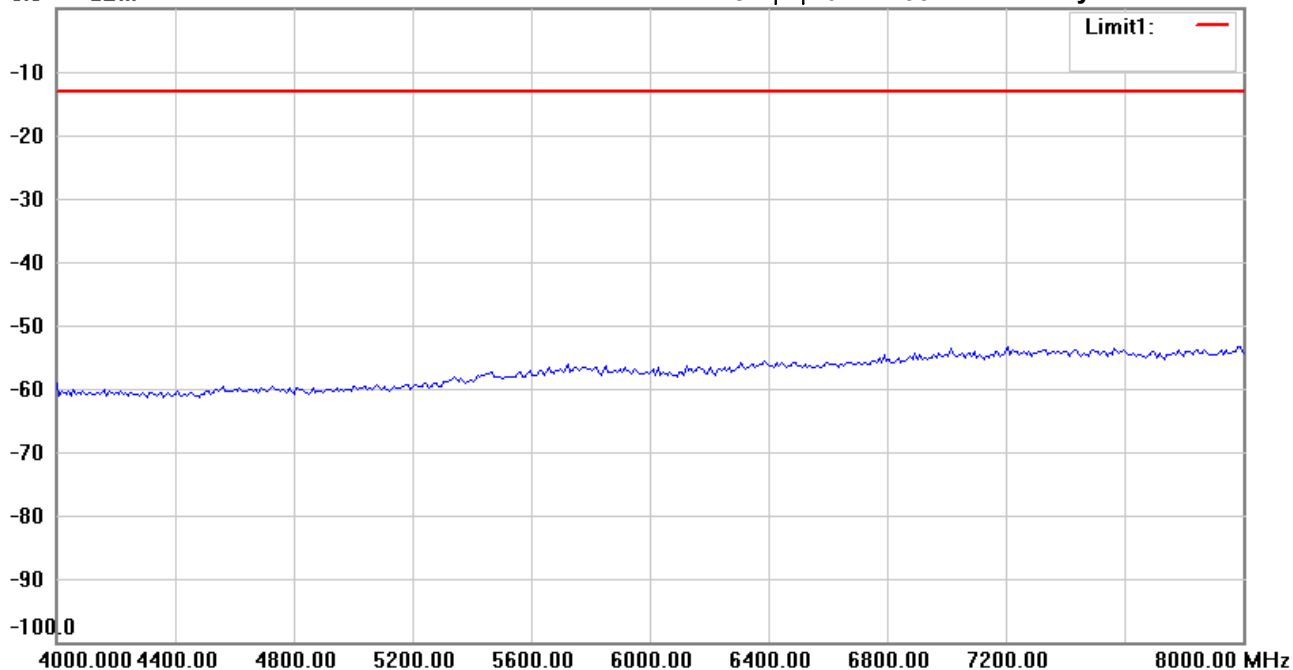
Date: 2019/12/10

Temperature: 24 °C

Time: 下午 04:22:33

Humidity: 60 %

0.0 dBm



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 774.996875MHz

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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: Kent

File :1

Data :#1

Date: 2019/12/9

Temperature: 24 °C

Time: 下午 08:09:10

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 851.003125MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 146.1723        | -58.99        | peak     | 20.61             | -38.38       | -13.00      | 150          | 160            | -25.38      |         |
|     | 189.7796        | -61.50        | peak     | 21.87             | -39.63       | -13.00      | 150          | 330            | -26.63      |         |

\*: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: Kent

File :1

Data :#2

Date: 2019/12/9

Temperature: 24 °C

0.0 dBm

Time: 下午 08:10:45

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 851.003125MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 168.3166        | -61.12        | peak     | 22.09             | -39.03       | -13.00      | 150          | 110            | -26.03      |         |
| *   | 189.0982        | -57.42        | peak     | 22.22             | -35.20       | -13.00      | 150          | 130            | -22.20      |         |

\*: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: Kent

File : 2

Data : #1

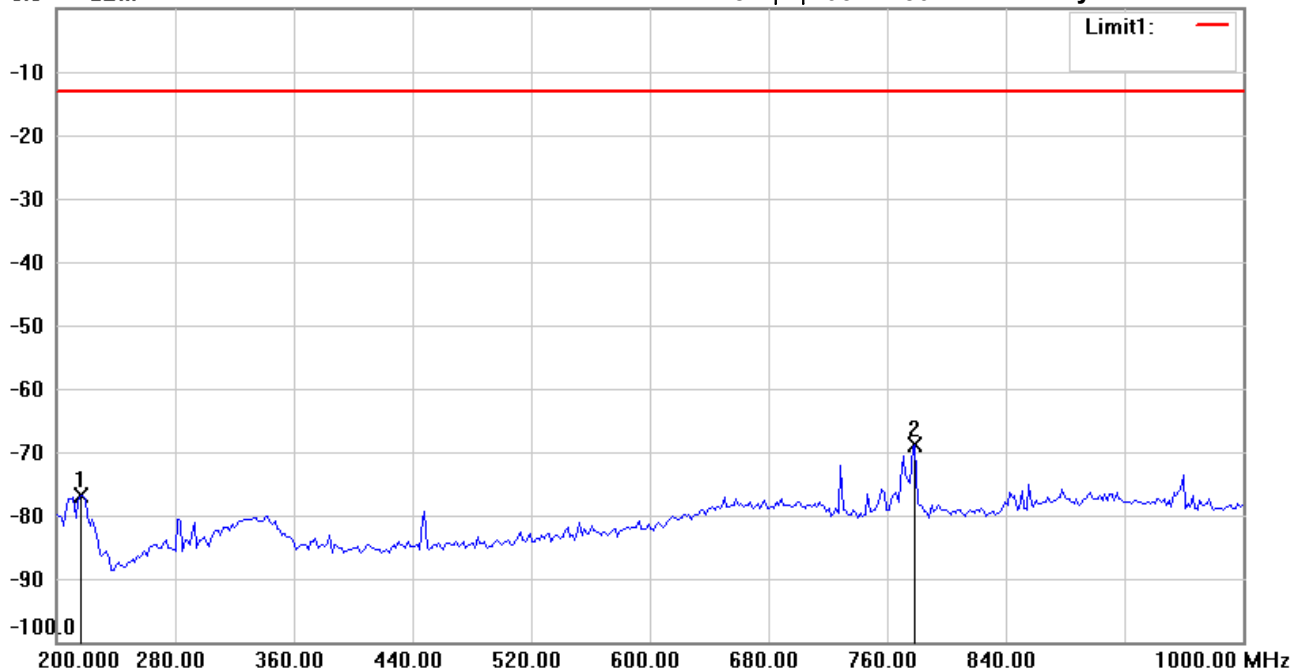
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 03:11:50

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 851.003125MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 216.0321        | -61.62        | peak     | -15.27            | -76.89       | -13.00      | 150          | 130            | -63.89      |         |
| *   | 778.7575        | -64.56        | peak     | -4.38             | -68.94       | -13.00      | 150          | 145            | -55.94      |         |

\*: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: Kent

File : 2

Data : #2

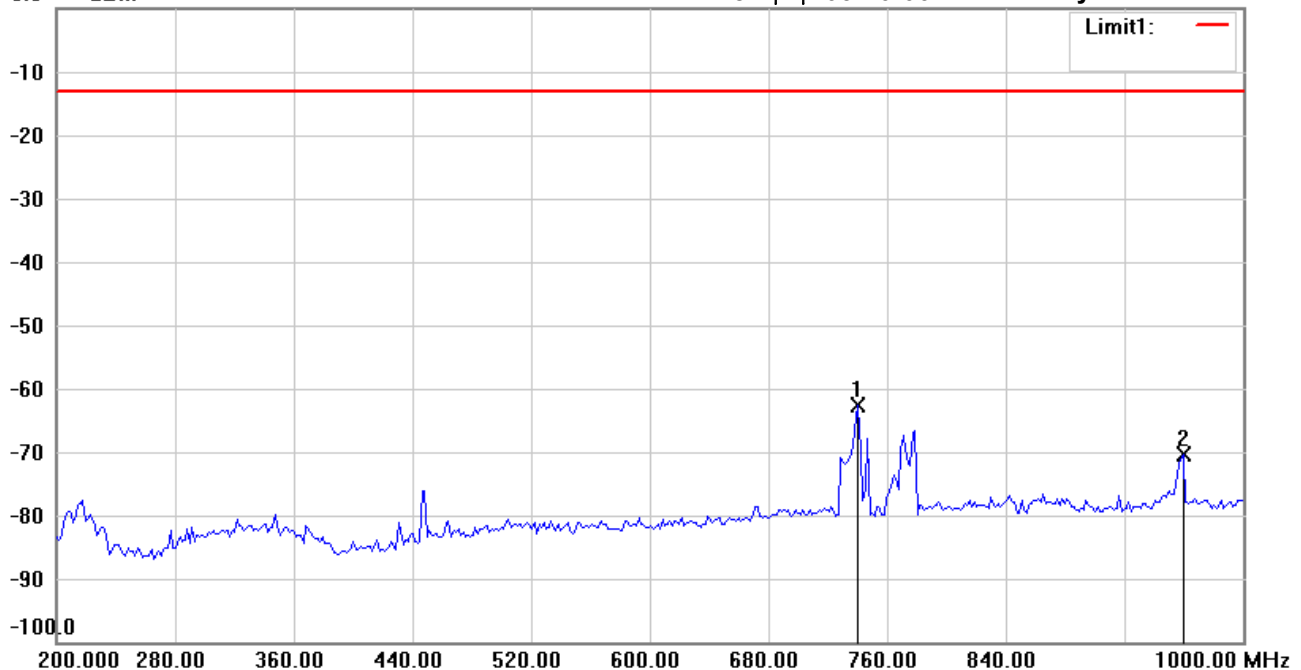
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 03:20:06

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 851.003125MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 740.2806        | -59.06        | peak     | -3.55             | -62.61       | -13.00      | 150          | 220            | -49.61      |         |
|     | 959.9198        | -67.57        | peak     | -2.88             | -70.45       | -13.00      | 150          | 130            | -57.45      |         |

\*: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: Kent

File : 3

Data : #1

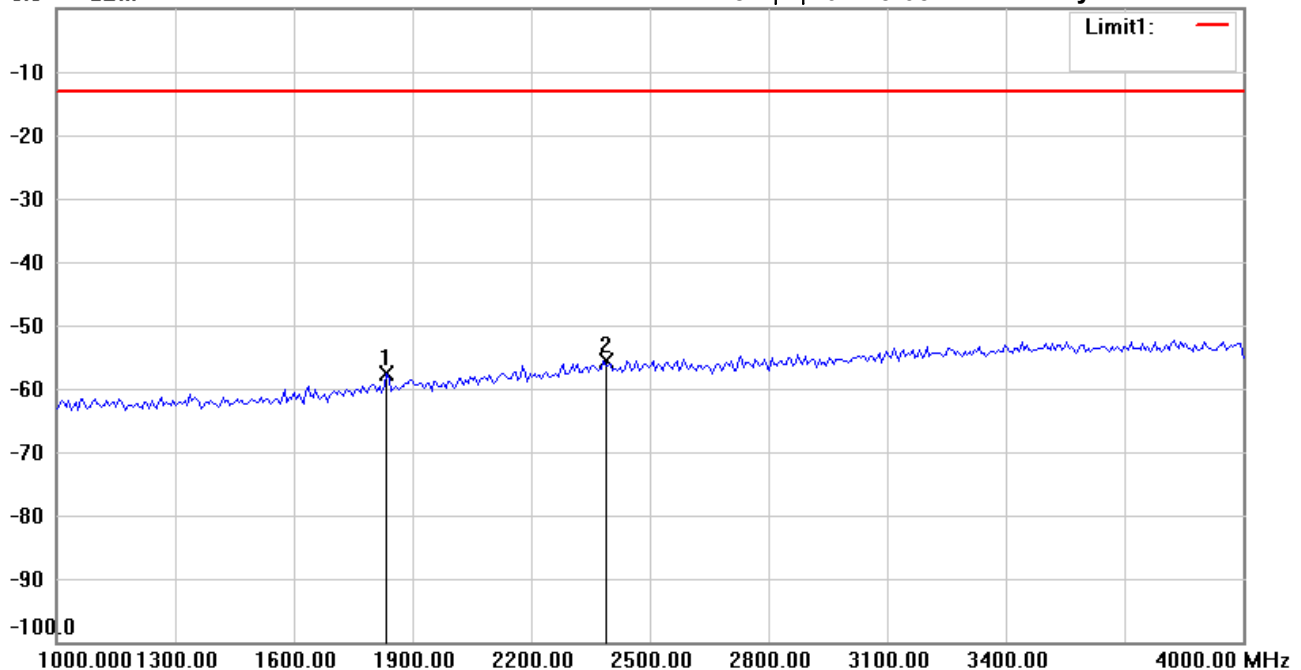
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:25:05

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 851.003125MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1835.671        | -59.75        | peak     | 2.17              | -57.58       | -13.00      | 150          | 305            | -44.58      |         |
| *   | 2382.766        | -61.06        | peak     | 5.32              | -55.74       | -13.00      | 150          | 160            | -42.74      |         |

\*: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: Kent

File :3

Data :#4

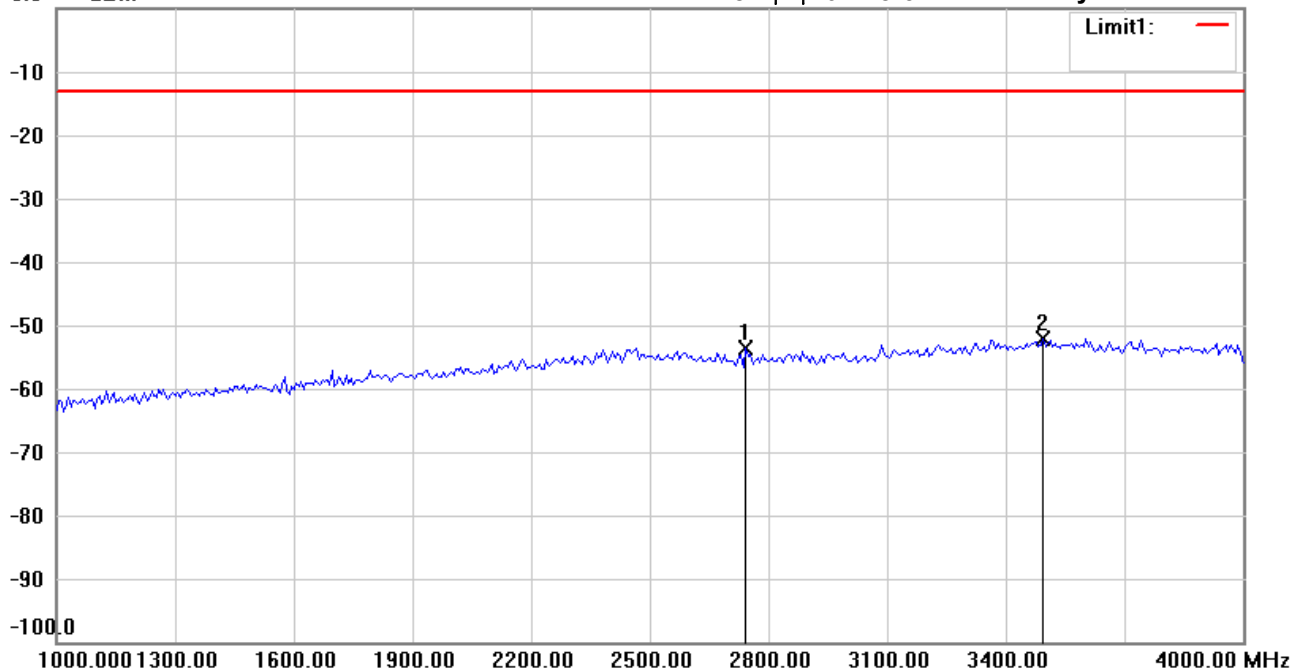
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:28:32

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 851.003125MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2743.487        | -61.13        | peak     | 7.44              | -53.69       | -13.00      | 150          | 105            | -40.69      |         |
| *   | 3494.990        | -62.04        | peak     | 9.81              | -52.23       | -13.00      | 150          | 220            | -39.23      |         |

\*: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: Kent

File : 3

Data : #2

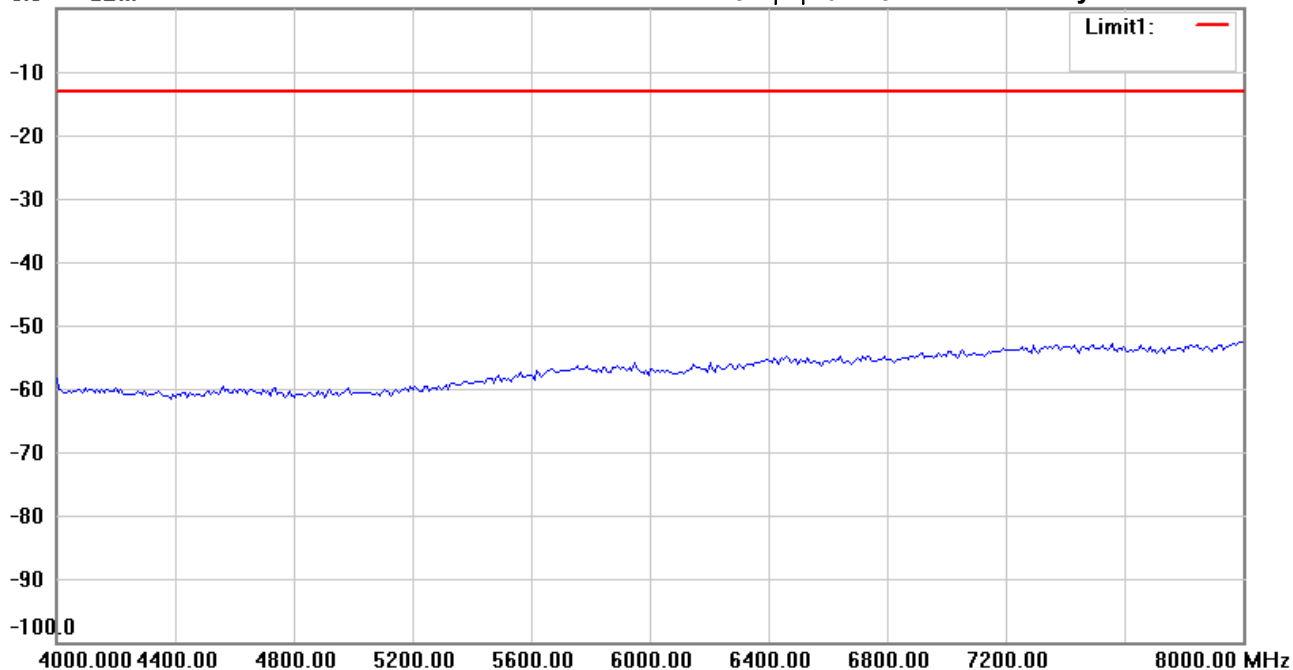
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:25:44

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 851.003125MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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: Kent

File : 3

Data : #5

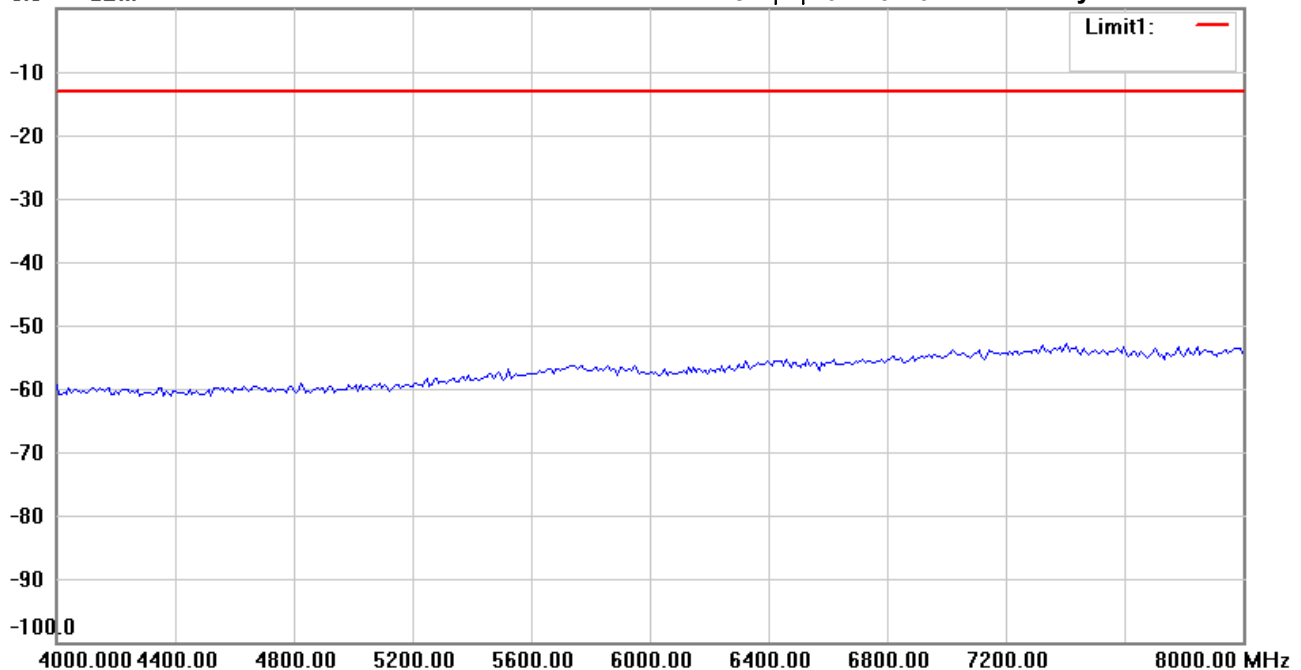
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:29:10

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 851.003125MHz

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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: Kent

File : 3

Data : #3

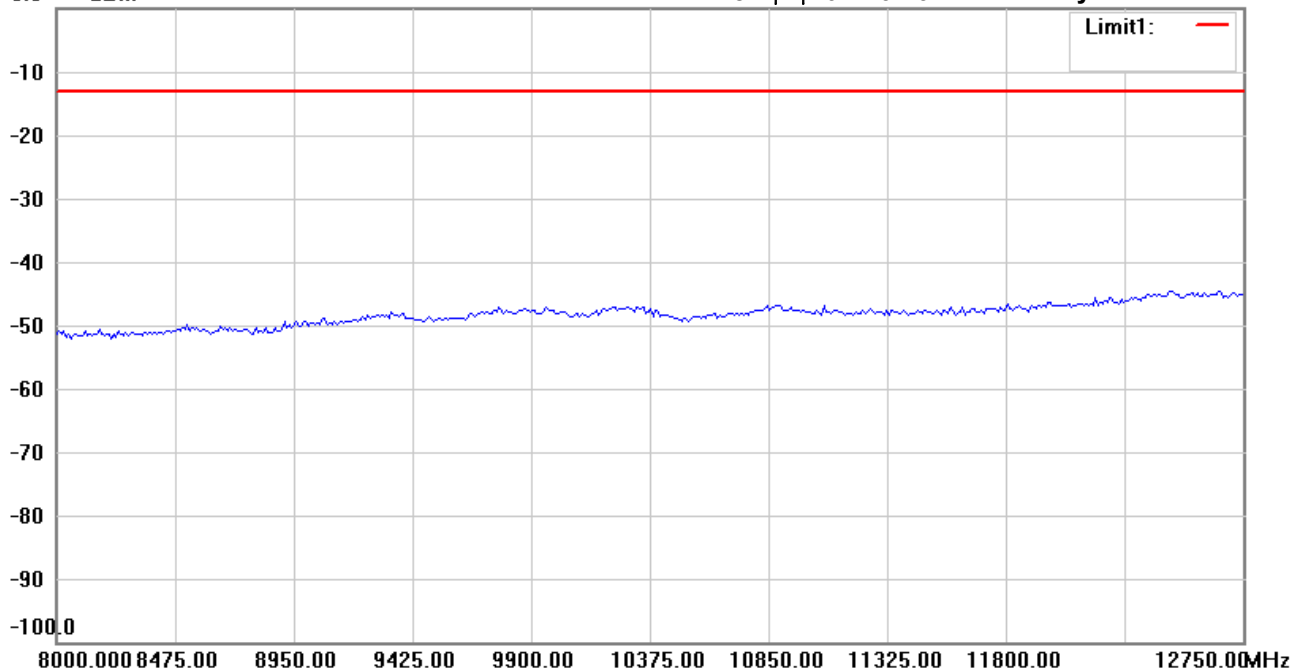
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:26:29

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 851.003125MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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: Kent

File : 3

Data : #6

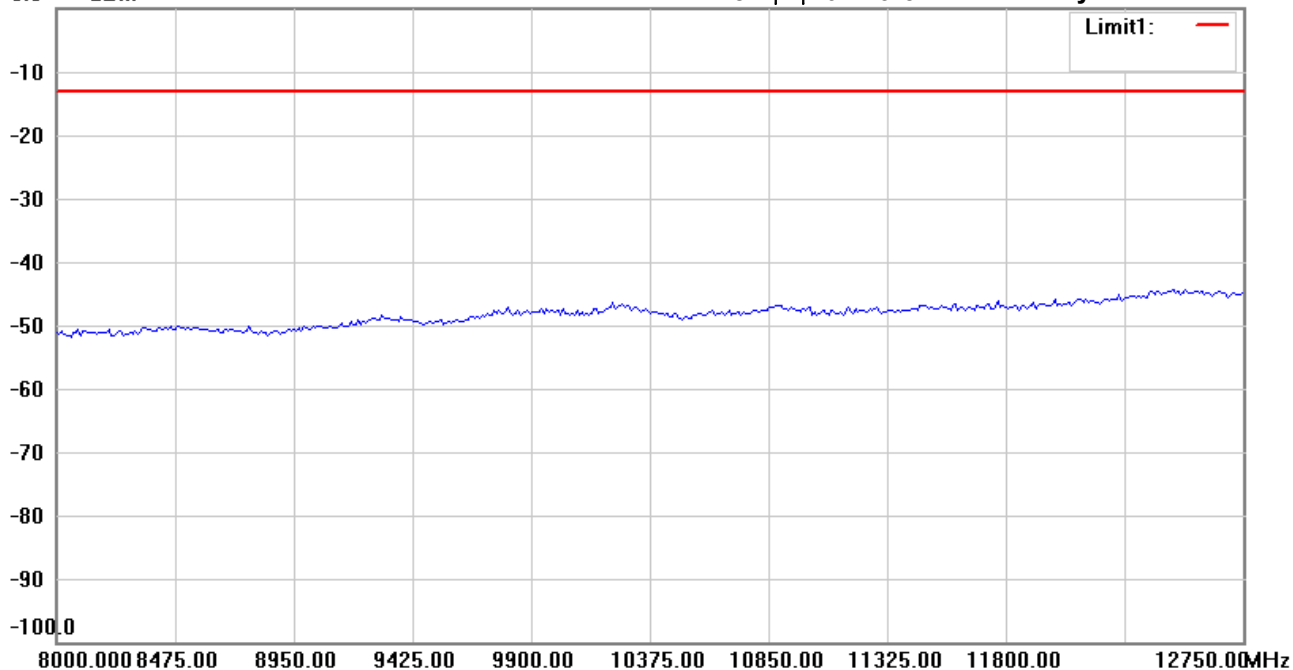
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:29:52

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 851.003125MHz

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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: Kent

File :1

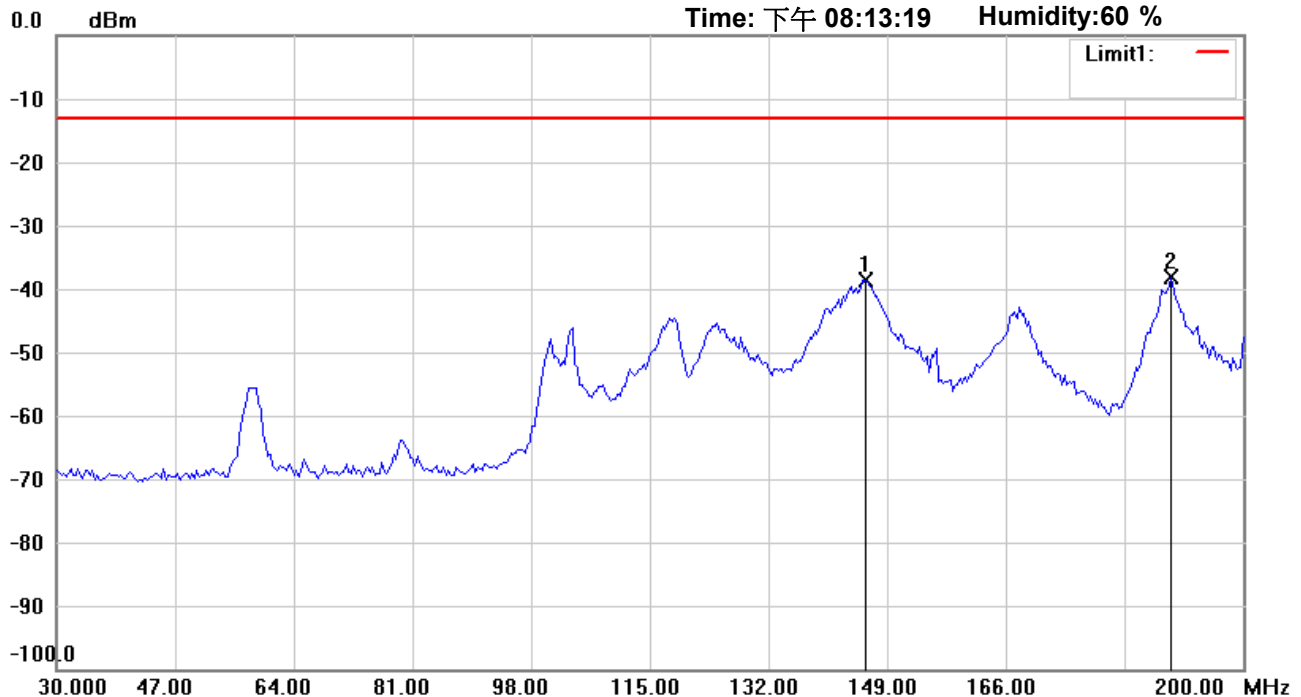
Data :#1

Date: 2019/12/9

Temperature: 24 °C

Time: 下午 08:13:19

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 856.5MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 145.8317        | -59.22        | peak     | 20.59             | -38.63       | -13.00      | 150          | 185            | -25.63      |         |
| *   | 189.7796        | -60.00        | peak     | 21.87             | -38.13       | -13.00      | 150          | 160            | -25.13      |         |

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



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

# Radiated Emission Measurement

Operator: Kent

File :1

Data :#2

Date: 2019/12/9

Temperature: 24 °C

Time: 下午 08:14:51

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 856.5MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 167.6353        | -61.48        | peak     | 22.08             | -39.40       | -13.00      | 150          | 110            | -26.40      |         |
| *   | 189.7796        | -57.88        | peak     | 22.22             | -35.66       | -13.00      | 150          | 245            | -22.66      |         |

\*: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: Kent

File : 2

Data : #1

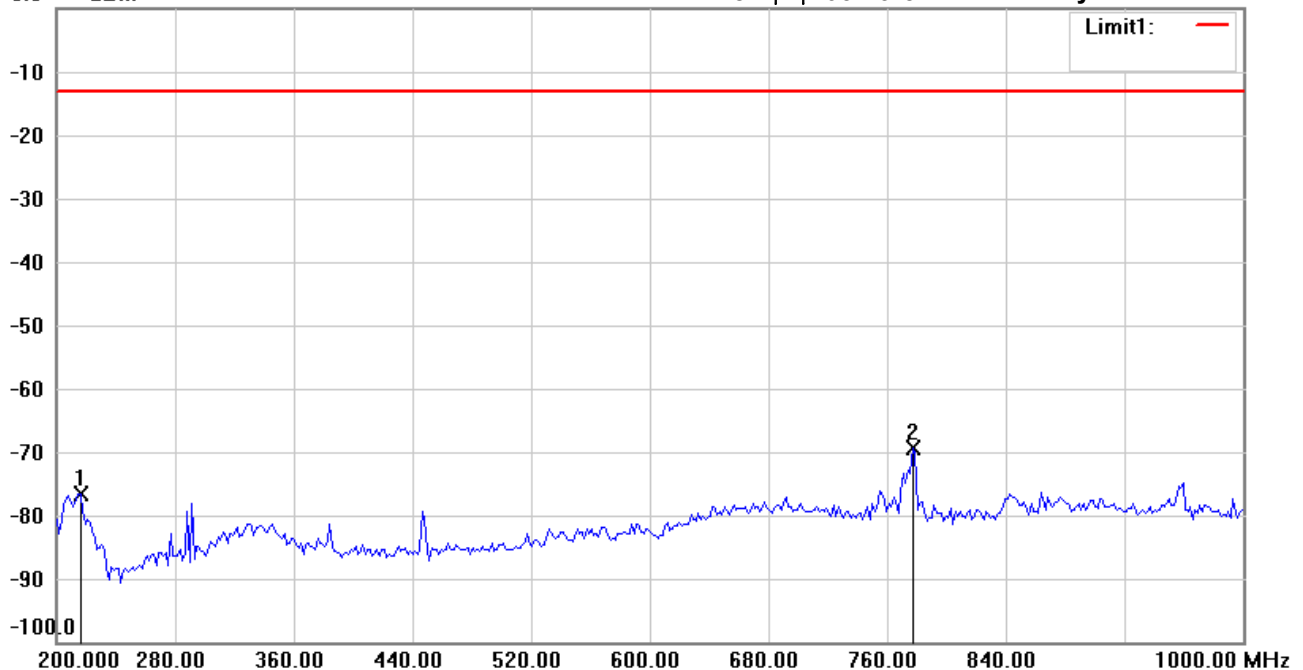
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 03:29:57

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 856.5MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 214.4290        | -61.42        | peak     | -15.25            | -76.67       | -13.00      | 150          | 130            | -63.67      |         |
| *   | 777.1543        | -65.06        | peak     | -4.39             | -69.45       | -13.00      | 150          | 110            | -56.45      |         |

\*: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: Kent

File : 2

Data : #2

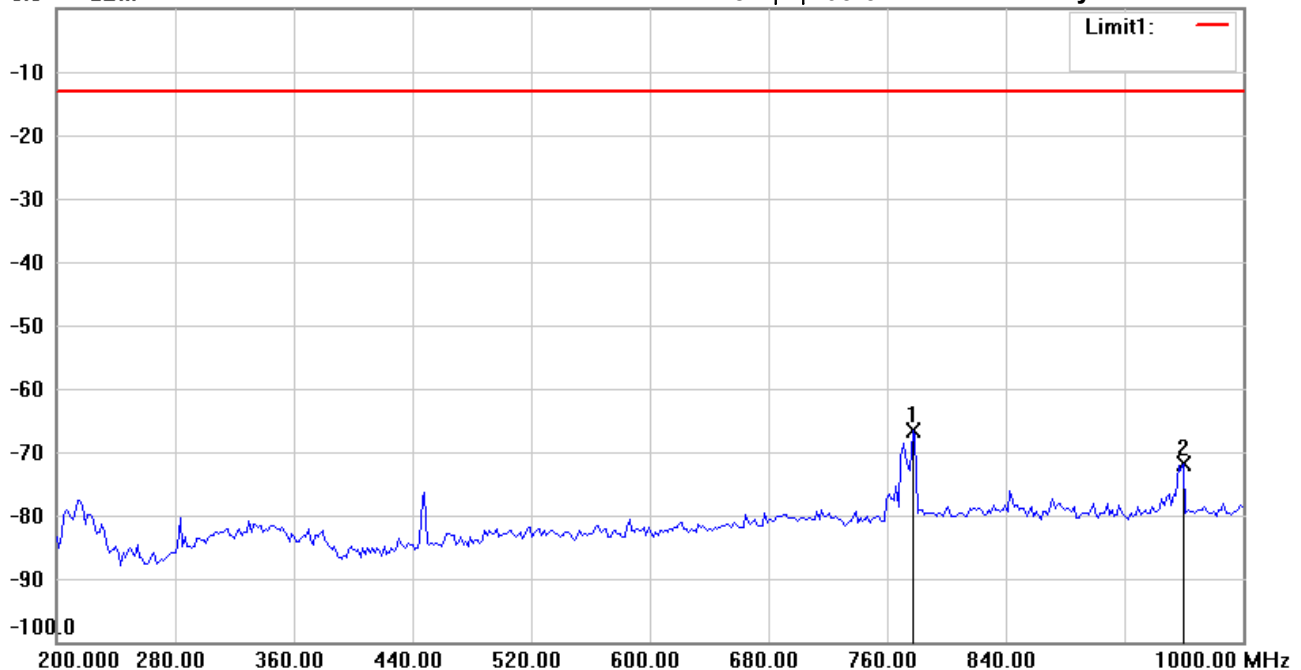
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 03:32:14

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 856.5MHz

Note :

Polarization: Vertical

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 777.1543        | -63.40        | peak     | -3.14             | -66.54       | -13.00      | 150          | 145            | -53.54      |         |
|     | 959.9198        | -68.98        | peak     | -2.88             | -71.86       | -13.00      | 150          | 110            | -58.86      |         |

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



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

# Radiated Emission Measurement

Operator: Kent

File : 3

Data : #1

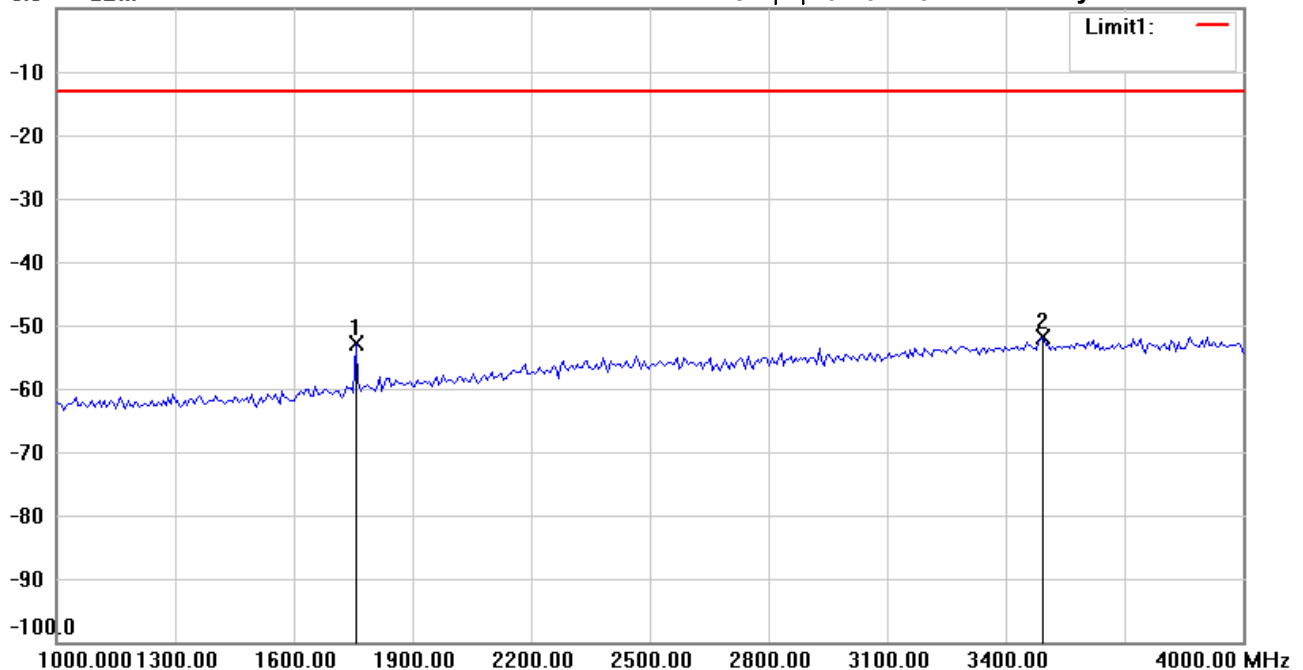
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:32:43

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 856.5MHz

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1757.515        | -54.48        | peak     | 1.65              | -52.83       | -13.00      | 150          | 145            | -39.83      |         |
| *   | 3494.990        | -61.40        | peak     | 9.42              | -51.98       | -13.00      | 150          | 130            | -38.98      |         |

\*: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: Kent

File :3

Data :#4

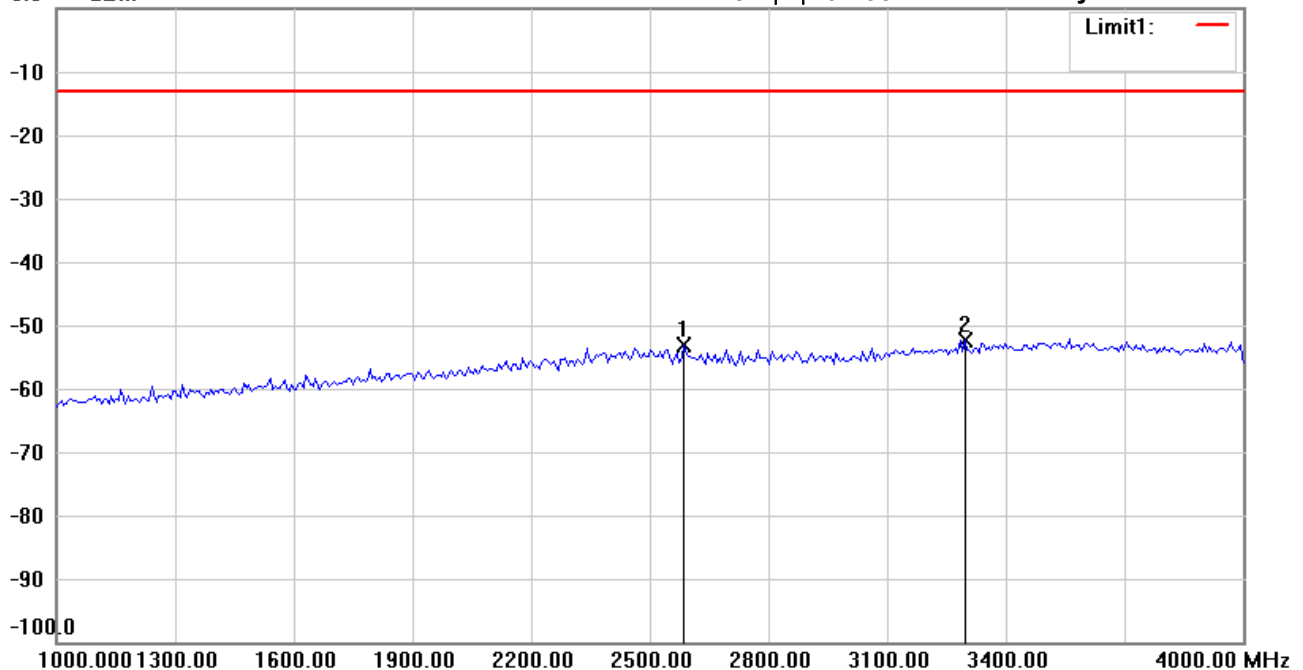
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:36:11

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 856.5MHz

Note :

Polarization: Vertical

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2587.174        | -60.73        | peak     | 7.53              | -53.20       | -13.00      | 150          | 110            | -40.20      |         |
| *   | 3296.593        | -61.09        | peak     | 8.80              | -52.29       | -13.00      | 150          | 130            | -39.29      |         |



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: Kent

File : 3

Data : #2

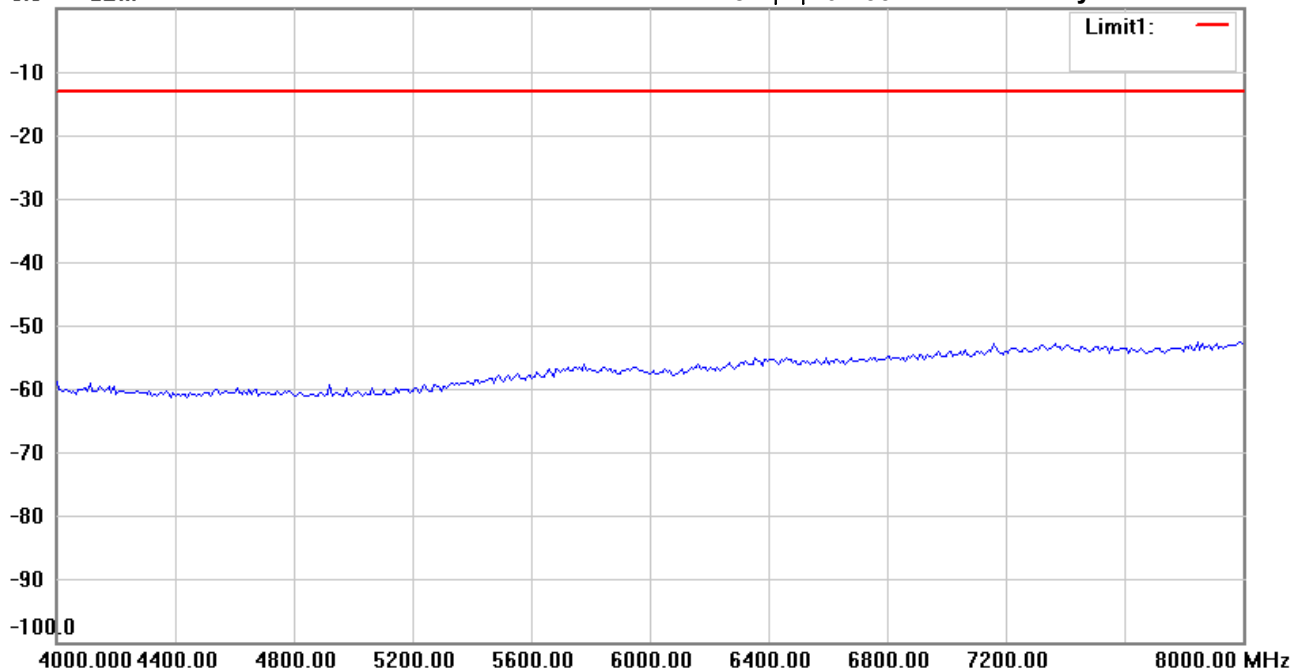
Date: 2019/12/10

Temperature: 24 °C

Time: 下午 04:33:22

Humidity: 60 %

0.0 dBm



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 856.5MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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: Kent

File : 3

Data : #5

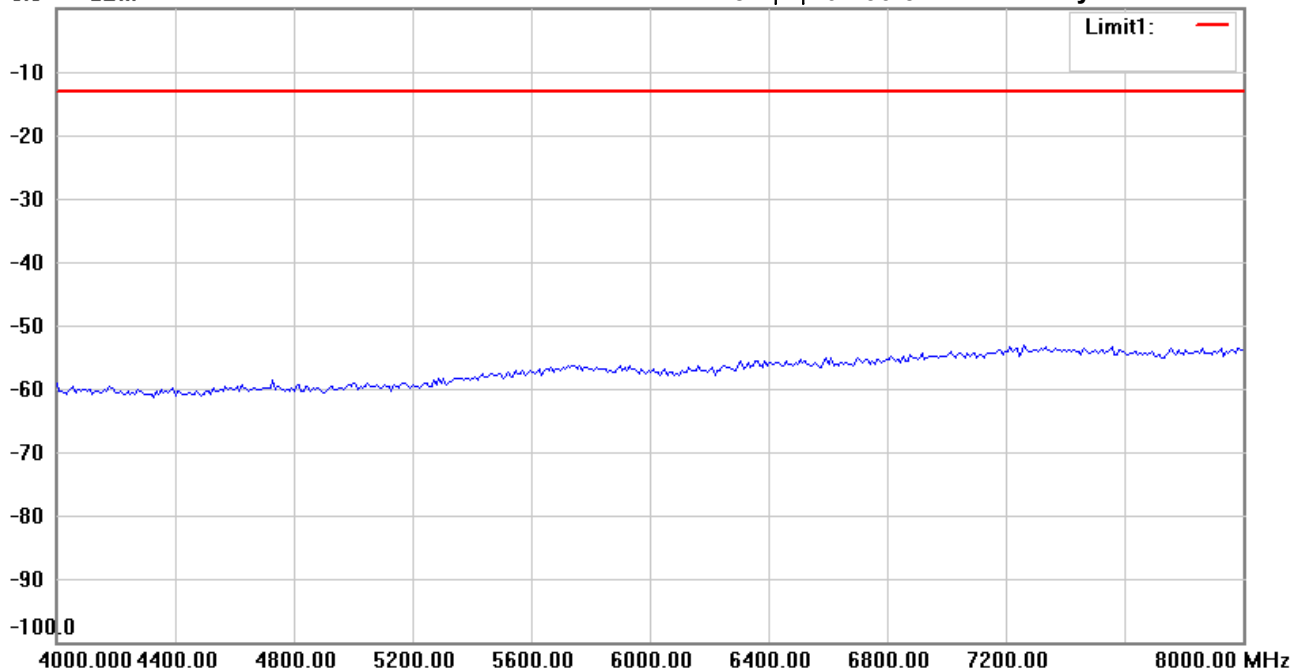
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:36:51

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 856.5MHz

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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: Kent

File : 3

Data : #3

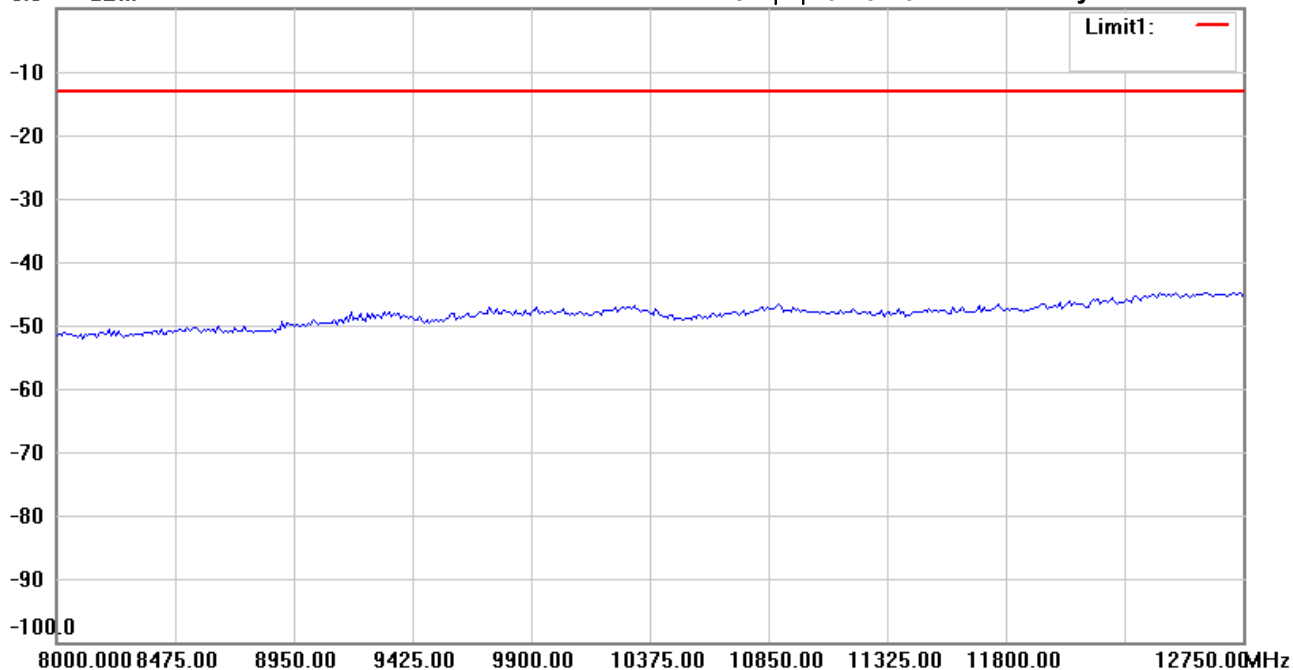
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:34:07

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 856.5MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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: Kent

File : 3

Data : #6

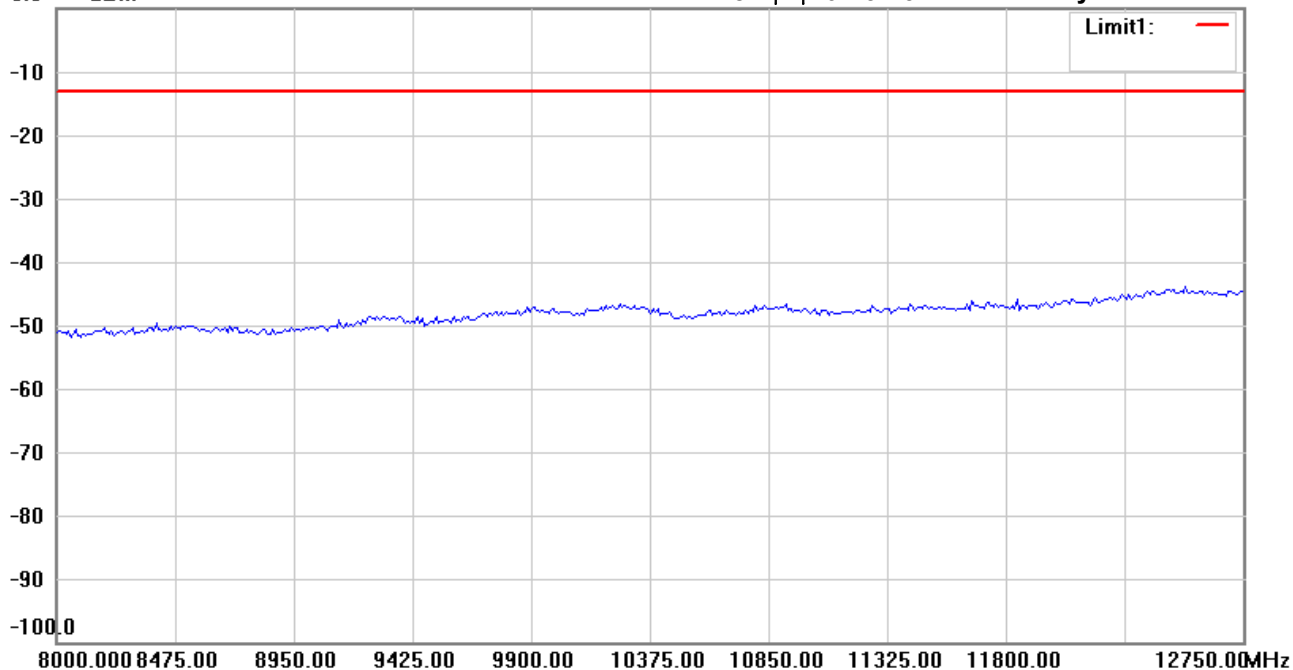
Date: 2019/12/10

Temperature: 24 °C

Time: 下午 04:37:34

Humidity: 60 %

0.0 dBm



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 856.5MHz

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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: Kent

File :1

Data :#1

Date: 2019/12/9

Temperature: 24 °C

Time: 下午 08:17:06

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 861.996875MHz

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 146.1723        | -59.44        | peak     | 20.61             | -38.83       | -13.00      | 150          | 140            | -25.83      |         |
|     | 189.0982        | -62.14        | peak     | 21.89             | -40.25       | -13.00      | 150          | 110            | -27.25      |         |

\*: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: Kent

File :1

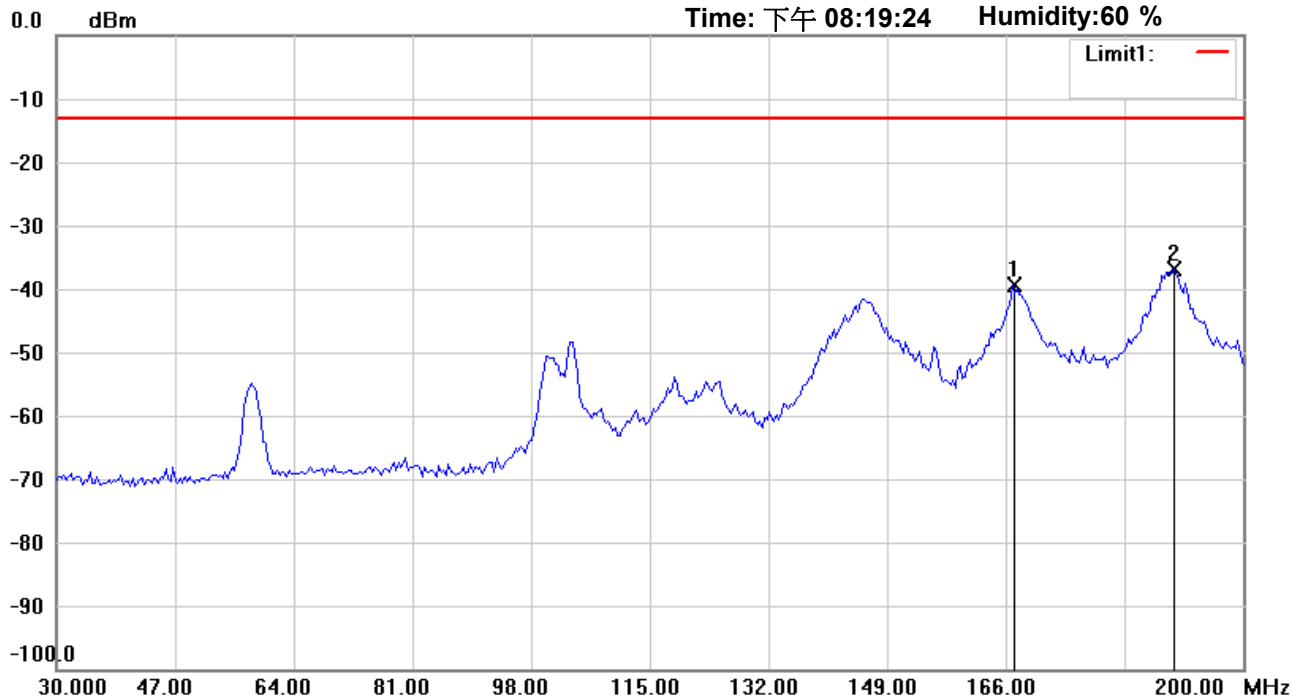
Data :#2

Date: 2019/12/9

Temperature: 24 °C

Time: 下午 08:19:24

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 861.996875MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 166.9540        | -61.45        | peak     | 22.07             | -39.38       | -13.00      | 150          | 245            | -26.38      |         |
| *   | 190.1202        | -59.18        | peak     | 22.22             | -36.96       | -13.00      | 150          | 185            | -23.96      |         |

\*: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: Kent

File : 2

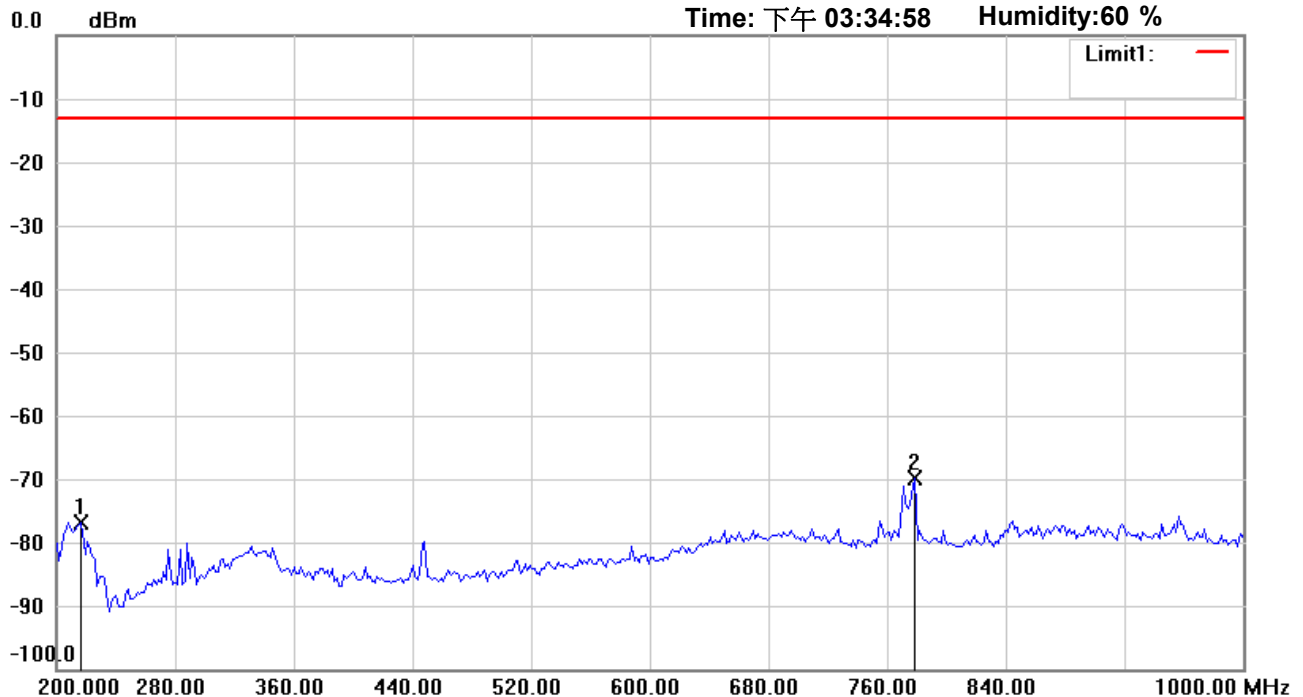
Data : #1

Date: 2019/12/10

Temperature: 24 °C

Time: 下午 03:34:58

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 861.996875MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 216.0321        | -61.68        | peak     | -15.27            | -76.95       | -13.00      | 150          | 130            | -63.95      |         |
| *   | 778.7575        | -65.49        | peak     | -4.38             | -69.87       | -13.00      | 150          | 145            | -56.87      |         |

\*: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: Kent

File : 2

Data : #2

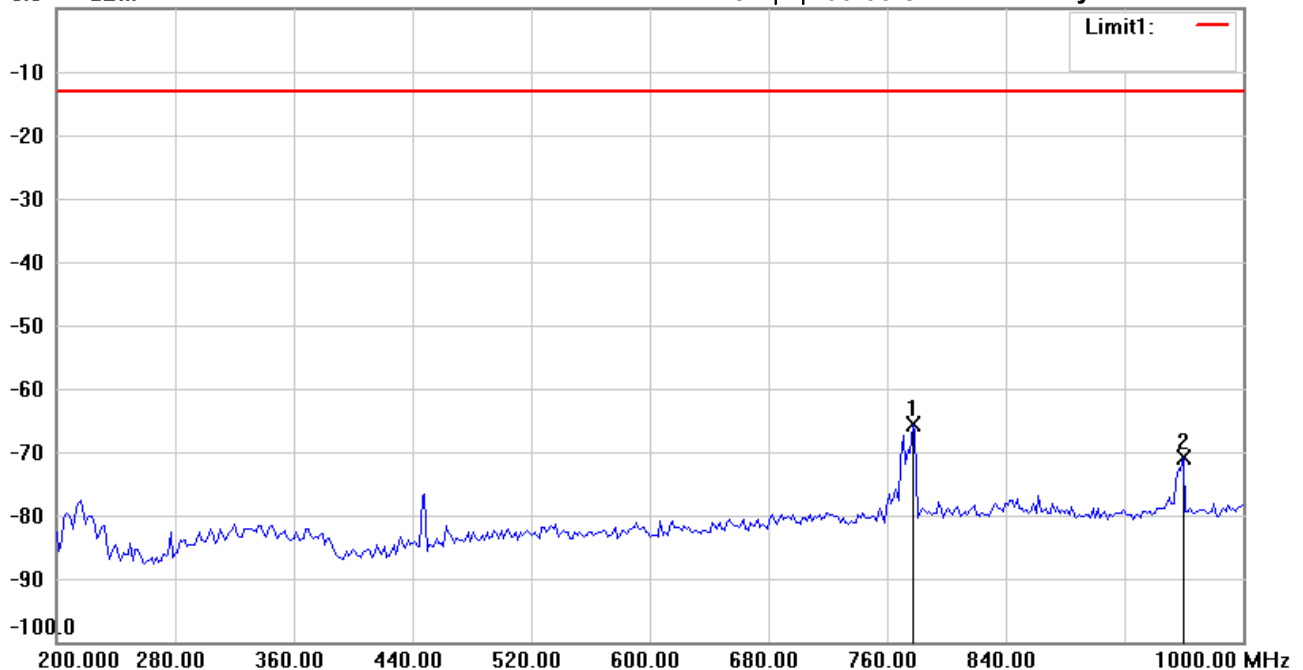
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 03:36:54

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 861.996875MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 777.1543        | -62.57        | peak     | -3.14             | -65.71       | -13.00      | 150          | 245            | -52.71      |         |
|     | 959.9198        | -68.06        | peak     | -2.88             | -70.94       | -13.00      | 150          | 160            | -57.94      |         |

\*: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: Kent

File :3

Data :#1

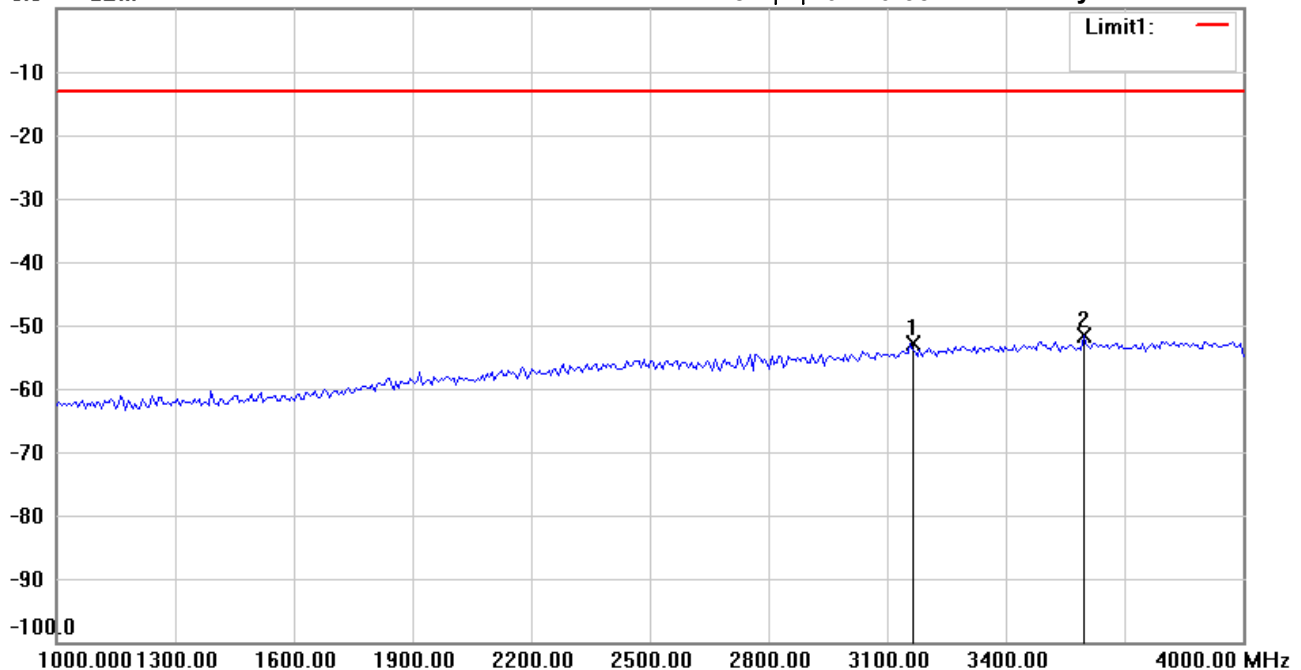
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:40:35

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 861.996875MHz

Note :

Polarization: **Horizontal**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 3158.317        | -60.88        | peak     | 7.92              | -52.96       | -13.00      | 150          | 110            | -39.96      |         |
| *   | 3597.194        | -61.25        | peak     | 9.58              | -51.67       | -13.00      | 150          | 45             | -38.67      |         |

\*: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: Kent

File : 3

Data : #4

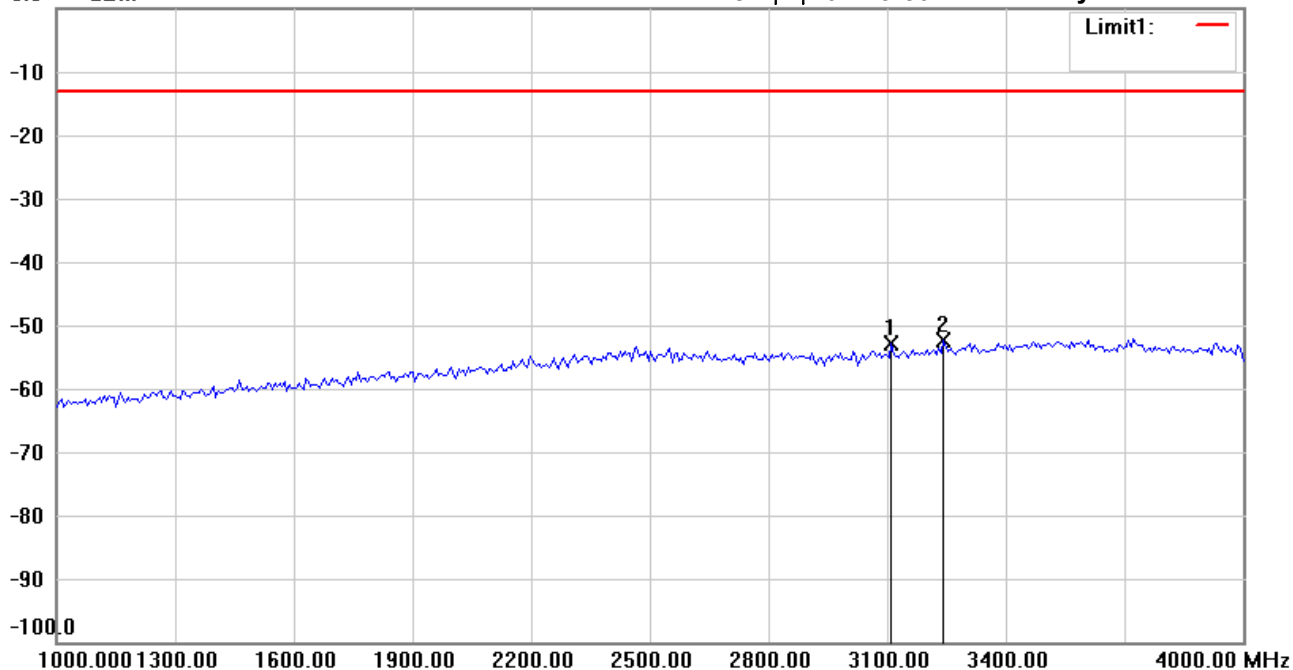
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:43:50

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 861.996875MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 3110.220        | -60.64        | peak     | 7.85              | -52.79       | -13.00      | 150          | 130            | -39.79      |         |
| *   | 3242.485        | -60.95        | peak     | 8.53              | -52.42       | -13.00      | 150          | 110            | -39.42      |         |

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





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

Radiated Emission Measurement

Operator: Kent

File : 3

Data : #2

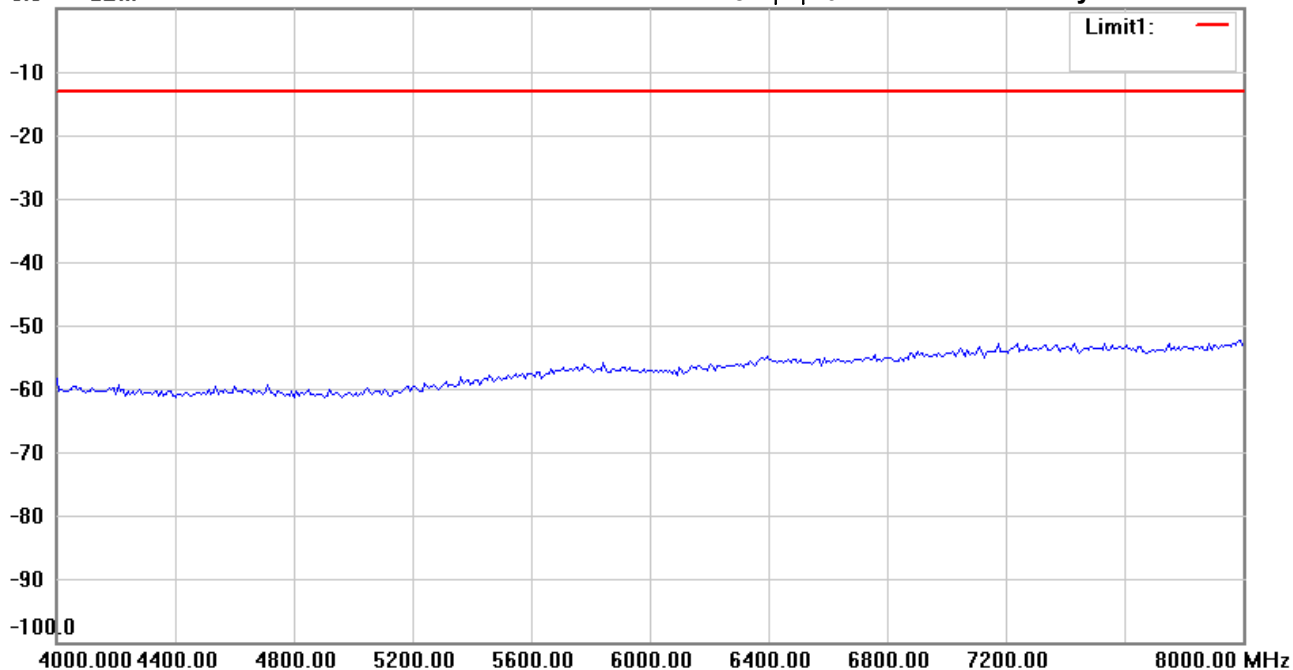
Date: 2019/12/10

Temperature: 24 °C

Time: 下午 04:41:12

Humidity: 60 %

0.0 dBm



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 861.996875MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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: Kent

File : 3

Data : #5

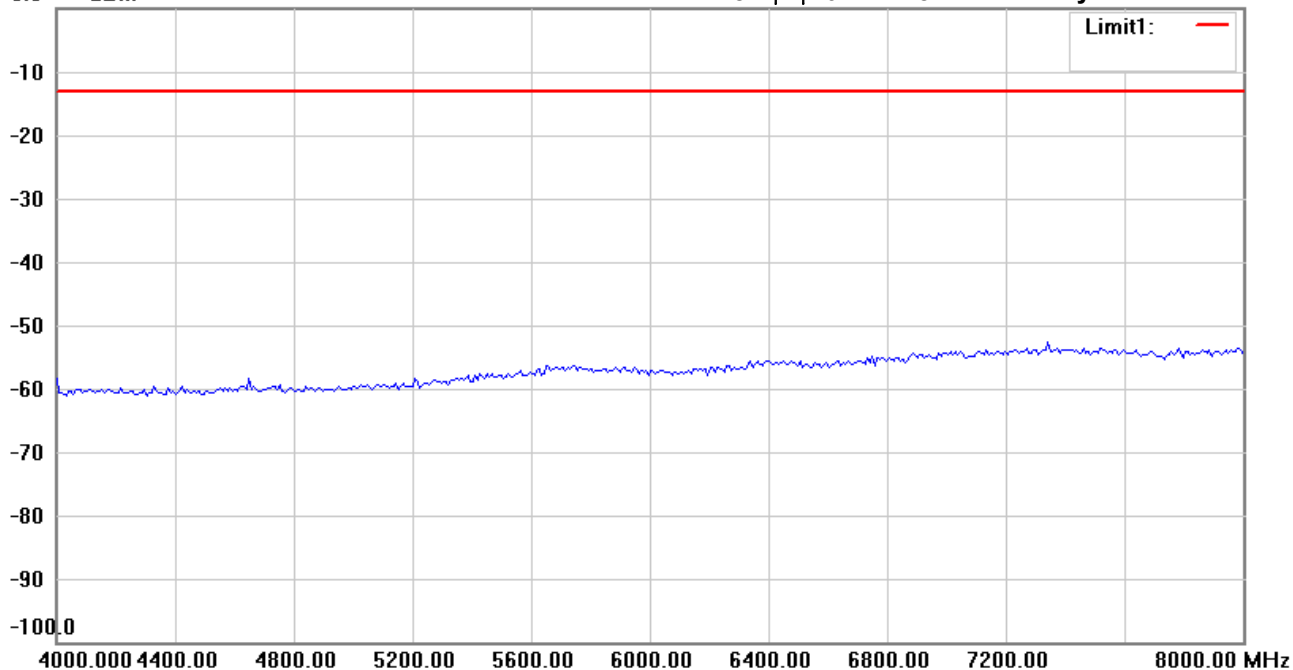
Date: 2019/12/10

Temperature: 24 °C

Time: 下午 04:44:28

Humidity: 60 %

0.0 dBm



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 861.996875MHz

Note :

Polarization: **Vertical**

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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, Nei-hu, Taipei  
Tel: +886-2-6606-8877  
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Kent

File : 3

Data : #3

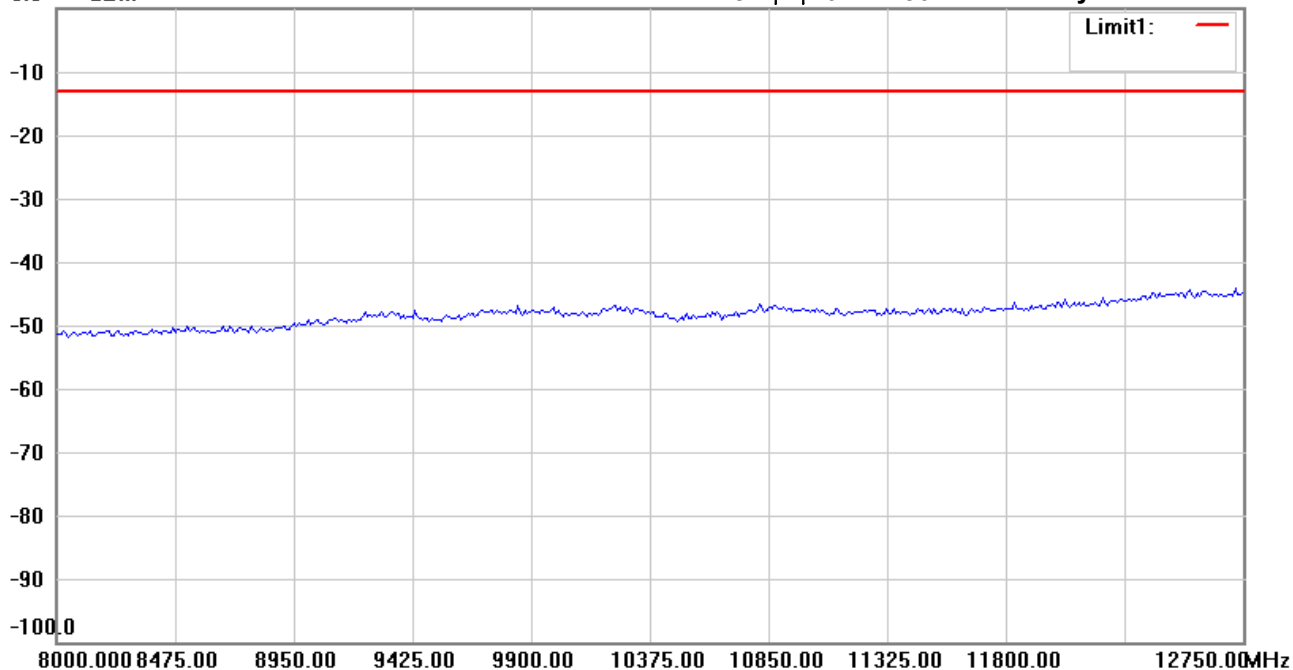
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:41:56

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 861.996875MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | 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, Neihsu, Taipei  
Tel: +886-2-6606-8877  
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Kent

File : 3

Data : #6

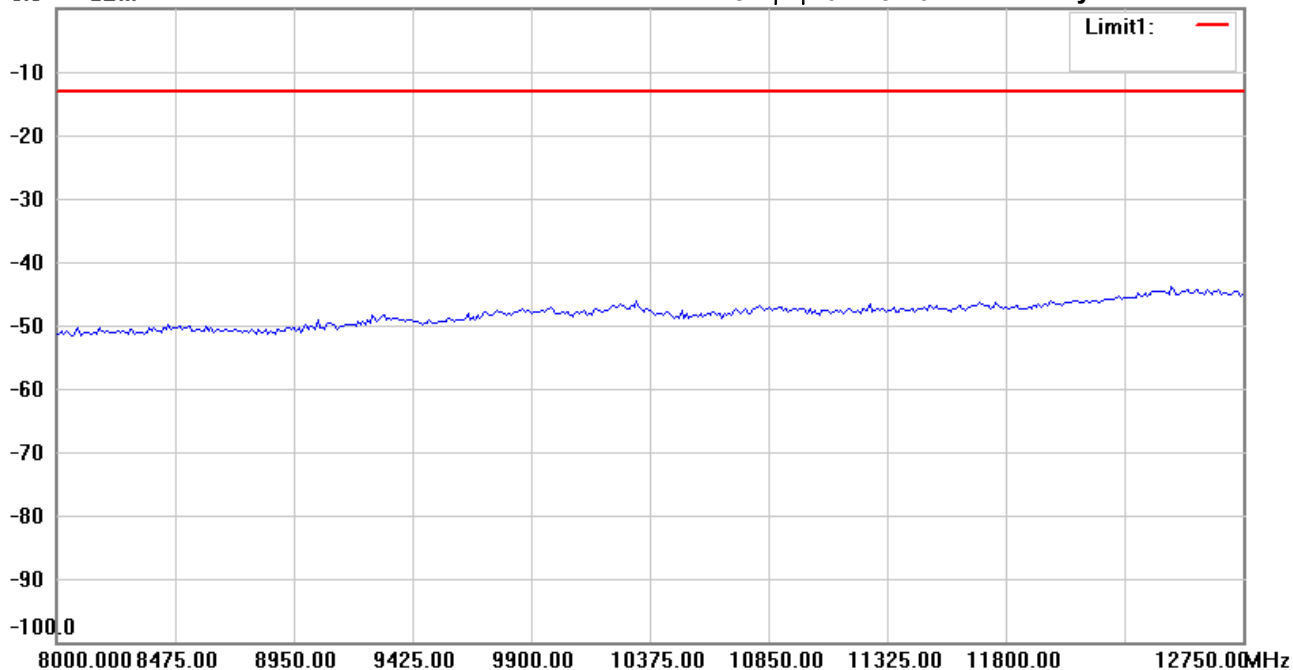
Date: 2019/12/10

Temperature: 24 °C

0.0 dBm

Time: 下午 04:45:10

Humidity: 60 %



Site : Chamber

Condition : FCC\_part 90 RE

EUT : W6M21909-19340

M/N:

Test Mode : TX 861.996875MHz

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

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

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