

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC156047

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FCC Radio Test Report FCC ID: 2AEP6XM-JPT2-R

Original Grant

Report No. : TB-FCC156047

Applicant: HangZhou XiongMai Technology CO., LTD

Equipment Under Test (EUT)

EUT Name : DRUM CAMERA

Model No. : XM-JPT2-R

Series Model No. : XM-T2-R, XM-T2-F4, XM-T5-F4, XM-JPT2-F4, XM-JPT5-F4

Brand Name : XM

Receipt Date : 2017-06-15

Test Date : 2017-06-16 to 2017-06-26

Issue Date : 2017-06-27

Standards : FCC Part 15, Subpart C (15.247:2016)

Test Method : ANSI C63.10: 2013

Conclusions : PASS

In the configuration tested, the EUT complied with the standards specified above,

The EUT technically complies with the FCC and IC requirements

Test/Witness Engineer:

Approved&

Authorized

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

TB-RF-074-1.0



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1. General Information about EUT

1.1 Client Information

Applicant : HangZhou XiongMai Technology CO., LTD

Address: 9th Floor, Building 9, Yinhu Innovation Center, No.9 FuXian Road,

YinHu Street, Hangzhou, China

Manufacturer : HangZhou XiongMai Technology CO., LTD

Address: 9th Floor, Building 9, Yinhu Innovation Center, No.9 FuXian Road,

YinHu Street, Hangzhou, China

1.2 General Description of EUT (Equipment Under Test)

| EUT Name | : | DRUM CAMERA | THE PARTY OF THE P | |
|------------------------|----|-----------------------------------|--|--|
| Models No. | | XM-JPT2-R, XM-T2-R, XM-JPT5-F4 | XM-T2-F4, XM-T5-F4, XM-JPT2-F4, | |
| Model Difference | : | | odels are identical in the same PCB layout interior structure and rical circuits, The only difference is resolution and brand. | |
| 33 | 1 | Operation Frequency: | 802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz | |
| | | Number of Channel: | 802.11b/g/n(HT20):11 channels see note(3) 802.11n(HT40):7 channels see note(3) | |
| Product | | RF Output Power: | 802.11b: 17.57dBm 802.11g: 17.57dBm 802.11n (HT20): 16.55dBm 802.11n (HT40): 15.42dBm | |
| Description | | Antenna Gain: | 3dBi Internal Antenna | |
| | | Modulation Type: | 802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n: OFDM(BPSK,QPSK,16QAM, 64QAM) | |
| | T) | Bit Rate of Transmitter: | 802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps 802.11n:up to 150Mbps | |
| Power Supply | | DC Voltage supplied by | AC/DC Adapter. | |
| Power Rating | | | C/DC Adapter (BT-TC-015): put: AC 100~240V, 50/60Hz, 0.3A. | |
| Connecting I/O Port(S) | : | Please refer to the Use | er's Manual | |

Note:

(1) This Test Report is FCC Part 15.247 for 802.11b/g/n, the test procedure follows the FCC KDB 558074 D01 DTS Meas Guidance v04.



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(2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

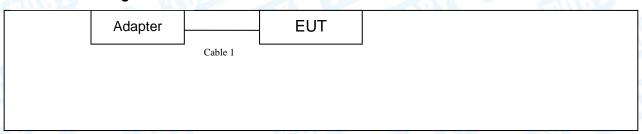
(3) Channel List:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|------------------|-----------------------|---------------------|--------------------|---------|--------------------|
| 01 | 2412 | 05 | 2432 | 09 | 2452 |
| 02 | 2417 | 06 | 2437 | 10 | 2457 |
| 03 | 2422 | 07 | 2442 | 11 | 2462 |
| 04 | 2427 | 08 | 2447 | | |
| Note: CH 01~CH 1 | 1 for 802.11b/g/n(HT2 | 20), CH 03~CH 09 fo | r 802.11n(HT40) | | |

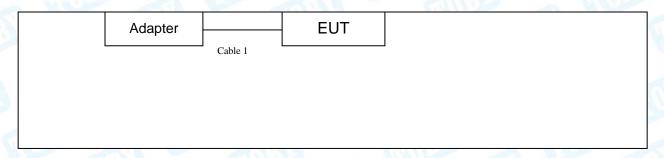
(4) The Antenna information about the equipment is provided by the applicant.

1.3 Block Diagram Showing the Configuration of System Tested

Normal Working Mode



TX Mode



1.4 Description of Support Units

| | Equipment Information | | | |
|----------|-----------------------|-------------------|--------------|----------|
| Name | Model | FCC ID/VOC | Manufacturer | Used "√" |
| A Second | | 10RF | THU THE | 1 |
| | | Cable Information | | |
| Number | Shielded Type | Ferrite Core | Length | Note |
| Cable 1 | NO | NO | 2.0M | |



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1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

| For (| Conducted Test |
|-----------------|-------------------------------|
| Final Test Mode | Description |
| Mode 1 | Normal Working with TX B Mode |

| For Radiated Test | | | | | | |
|-------------------|---------------------------------------|--|--|--|--|--|
| Final Test Mode | Description | | | | | |
| Mode 2 | TX Mode B Mode Channel 01/06/11 | | | | | |
| Mode 3 | TX Mode G Mode Channel 01/06/11 | | | | | |
| Mode 4 | TX Mode N(HT20) Mode Channel 01/06/11 | | | | | |
| Mode 5 | TX Mode N(HT40) Mode Channel 03/06/09 | | | | | |

Note:

(1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, Middle, lowest available channels, and the worst case data rate as follows:

802.11b Mode: CCK (1 Mbps) 802.11g Mode: OFDM (6 Mbps)

802.11n (HT20) Mode: MCS 0 (6.5 Mbps) 802.11n (HT40) Mode: MCS 0 (13 Mbps)

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a portable unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



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1.6 Description of Test Software Setting

During testing channel&Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of WLAN.

| Test Software Version | | N/A | |
|-----------------------|-------|-------|-------|
| Channel | CH 01 | CH 06 | CH 11 |
| IEEE 802.11b DSSS | DEF | DEF | DEF |
| IEEE 802.11g OFDM | DEF | DEF | DEF |
| IEEE 802.11n (HT20) | DEF | DEF | DEF |
| Channel | CH 03 | CH 06 | CH 09 |
| IEEE 802.11n (HT40) | DEF | DEF | DEF |

1.7 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

| and the second s | | |
|--|-------------------|--|
| Test Item | Parameters | Expanded Uncertainty (U _{Lab}) |
| | Level Accuracy: | WY STATE OF THE ST |
| Conducted Emission | 9kHz~150kHz | ±3.42 dB |
| | 150kHz to 30MHz | ±3.42 dB |
| Dedicted Emission | Level Accuracy: | . 4 CO dD |
| Radiated Emission | 9kHz to 30 MHz | ±4.60 dB |
| Dedicted Emission | Level Accuracy: | . 4. 40 dD |
| Radiated Emission | 30MHz to 1000 MHz | ±4.40 dB |
| Dadiated Emission | Level Accuracy: | . 4 20 dD |
| Radiated Emission | Above 1000MHz | ±4.20 dB |



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1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

FCC List No.: (811562)

The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number is 811562.

IC Registration No.: (11950A-1)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.



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2. Test Summary

| | FCC Part | t 15 Subpart C(15.247)/ RSS 247 | Issue 1 | |
|----------------------|--------------------|--|----------|--------|
| Standa | rd Section | Test Item | ludament | Remark |
| FCC | IC | rest item | Judgment | Remark |
| 15.203 | 1 | Antenna Requirement | PASS | N/A |
| 15.207 | RSS-GEN 7.2.4 | Conducted Emission | PASS | N/A |
| 15.205 | RSS-GEN 7.2.2 | Restricted Bands | PASS | N/A |
| 15.247(a)(2) | RSS 247 5.2 (1) | 6dB Bandwidth | PASS | N/A |
| 15.247(b) | RSS 247 5.4 (4) | Peak Output Power | PASS | N/A |
| 15.247(e) | RSS 247 5.2 (2) | Power Spectral Density | PASS | N/A |
| 15.247(d) | RSS 247 5.5 | Band Edge | PASS | N/A |
| 15.247(d)& 15.209 | RSS 247 5.5 | Transmitter Radiated Spurious Emission | PASS | N/A |

Note: "/" for no requirement for this test item.

N/A is an abbreviation for Not Applicable.



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3. Test Equipment

| Conducte | d Emission Te | st | | | |
|---------------------------|----------------------------------|-------------|------------|---------------|------------------|
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Due Date |
| EMI Test Receiver | Rohde & Schwarz | ESCI | 100321 | Jul. 21, 2016 | Jul. 20, 2017 |
| RF Switching Unit | Compliance Direction Systems Inc | RSU-A4 | 34403 | Jul. 21, 2016 | Jul. 20, 2017 |
| AMN | SCHWARZBECK | NNBL 8226-2 | 8226-2/164 | Jul. 21, 2016 | Jul. 20, 2017 |
| LISN | Rohde & Schwarz | ENV216 | 101131 | Jul. 21, 2016 | Jul. 20, 2017 |
| Radiation | Emission Tes | t | | | |
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Due Date |
| Spectrum Analyzer | Agilent | E4407B | MY45106456 | Jul. 21, 2016 | Jul. 20, 2017 |
| EMI Test Receiver | Rohde & Schwarz | ESPI | 100010/007 | Jul. 21, 2016 | Jul. 20, 2017 |
| Bilog Antenna | ETS-LINDGREN | 3142E | 00117537 | Mar.25, 2017 | Mar. 24, 2018 |
| Bilog Antenna | ETS-LINDGREN | 3142E | 00117542 | Mar.25, 2017 | Mar. 24, 2018 |
| Horn Antenna | ETS-LINDGREN | 3117 | 00143207 | Mar.24, 2017 | Mar. 23, 2018 |
| Horn Antenna | ETS-LINDGREN | 3117 | 00143209 | Mar.24, 2017 | Mar. 23, 2018 |
| Loop Antenna | Laplace instrument | RF300 | 0701 | Mar.24, 2017 | Mar. 23, 2018 |
| Pre-amplifier | Sonoma | 310N | 185903 | Mar.25, 2017 | Mar. 24, 2018 |
| Pre-amplifier | HP | 8449B | 3008A00849 | Mar.24, 2017 | Mar. 23, 2018 |
| Cable | HUBER+SUHNER | 100 | SUCOFLEX | Mar.25, 2017 | Mar. 24, 2018 |
| Positioning Controller | ETS-LINDGREN | 2090 | N/A | N/A | N/A |
| Antenna C | Conducted Em | ission | | | |
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Due Date |
| Spectrum Analyzer | Agilent | E4407B | MY45106456 | Jul. 21, 2016 | Jul. 20, 2017 |
| Spectrum Analyzer | Rohde & Schwarz | ESCI | 100010/007 | Jul. 21, 2016 | Jul. 20, 2017 |
| Power Meter | Anritsu | ML2495A | 25406005 | Jul. 21, 2016 | Jul. 20, 2017 |
| Power Sensor | Anritsu | ML2411B | 25406005 | Jul. 21, 2016 | Jul. 20, 2017 |



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4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

4.1.2 Test Limit

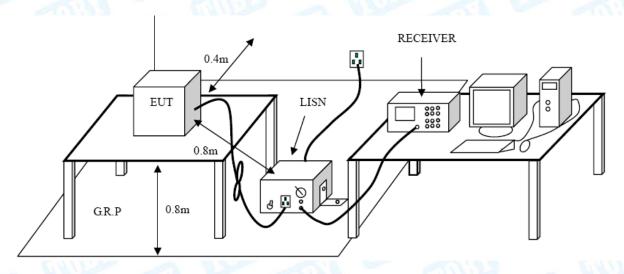
Conducted Emission Test Limit

| Tunaman Million | Maximum RF Line Voltage (dBμV) | | |
|-----------------|--------------------------------|---------------|--|
| Frequency | Quasi-peak Level | Average Level | |
| 150kHz~500kHz | 66 ~ 56 * | 56 ~ 46 * | |
| 500kHz~5MHz | 56 | 46 | |
| 5MHz~30MHz | 60 | 50 | |

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2 Test Setup



4.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.



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I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

4.4 EUT Operating Mode

Please refer to the description of test mode.

4.5 Test Data

Please see the next page.



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| EUT: | DRUI | M CAMERA | | Model Name | : | XM-JPT2 | 2-R |
|---------------------------------------|---------------------------------------|---|--|--|--|--|--|
| Temperature: | 25 ℃ | | F | Relative Hun | nidity: | 55% | Aller |
| Test Voltage: | AC 12 | 20V/60Hz | | 11 | 6.1 | 11.30 | |
| Terminal: | Line | مر لا | MAG | | 1 6 | Service of the servic | |
| Test Mode: | Norm | al Working w | vith TX B Mo | ode | 3 | 2 N | 111 |
| Remark: | Only | worse case i | s reported | | | 33 | |
| 80.0 dBuV | | | | | | | |
| | | | | | | QP: AVG: | |
| | | | | | | 11141 | |
| | | | | | | | |
| | | | | | | | |
| my | | | | | | | |
| my | الله الم | , J. J. J. | U | | | .11 | autHWH |
| 30 | NAC MAN TANIMA | h.ld. a of the region of th | M. I MM | , K. Y. J. J. | | re translatal d | |
| W WWW | | M. WARRY LOOK, T. JAMES | The state of the s | AND ALL MANAGEMENT OF THE PARTY | MALLINE | | |
| , 1/1 | WY J. JIII | AND | WINT John John John | الباء المراكبات | 1, 1, 4,4,1,1,1,4 | "TYPYYATYIANIAANIAANIA | JI I I I I I I I I I I I I I I I I I I |
| | | 1900 | רון (עוויייית עווי א | L JIIV - የተጭ ኤስፈሃሃሃአJLJJ | 3.000 (E.J.M.) | TETT TYTIKANANANA | MINIAULY |
| | - 1 | **** ' | י אייייאאיי א | Mula a de moderador en | whill | | |
| | | - WY 11 1 | י אייייקאיי | Phys. a. d. Probably 17" | ~#\\ \ \ \ \ | | |
| | | WY | , 1 ¹ / ₁ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Mu aamhash | | | |
| | | W 1 | * ******** | Mu adribani- | ~#\!\\[\]\\\ | | |
| -20 0.150 | 0.5 | ***** | (MHz) | 2 | ~~~~~~ <u>~~~~~~~</u> | | |
| | | | | | ~ | | AVI |
| 0.150 | 0.5 | Reading | Correct | Measure- | Limit | Over | AVI |
| 0.150 | o.s | Reading Level | Correct Factor | Measure- ment | Limit | | 30.000 |
| 0.150 No. Mk. | Freq. | Reading Level dBuV | Correct Factor | Measure- ment dBuV | dBuV | dB | 30.000 |
| 0.150 No. Mk. | Freq. MHz | Reading Level dBuV 27.76 | Correct Factor dB 9.60 | Measure- ment dBuV 37.36 | dBuV 56.00 | dB -18.64 | 30.000 Detector |
| 0.150 No. Mk. 1 0 2 * 0 | 0.5 Freq. MHz .5140 | Reading Level dBuV 27.76 23.63 | Correct Factor dB 9.60 9.60 | Measure- ment dBuV 37.36 33.23 | dBuV 56.00 46.00 | dB -18.64 -12.77 | 30.000 Detector QP AVG |
| 0.150 No. Mk. 1 0 2 * 0 3 0 | 0.5 Freq. MHz .5140 .5140 | Reading Level dBuV 27.76 23.63 18.27 | Correct Factor dB 9.60 9.60 9.61 | Measure- ment dBuV 37.36 33.23 27.88 | dBuV 56.00 46.00 56.00 | dB -18.64 -12.77 -28.12 | 30.000 Detector QP AVG |
| 0.150 No. Mk. 1 0 2 * 0 3 0 | 0.5 Freq. MHz .5140 | Reading Level dBuV 27.76 23.63 | Correct Factor dB 9.60 9.60 | Measure- ment dBuV 37.36 33.23 | dBuV 56.00 46.00 56.00 | dB -18.64 -12.77 | 30.000 Detector QP AVG |
| 0.150 No. Mk. 1 0 2 * 0 3 0 4 0 | 0.5 Freq. MHz .5140 .5140 | Reading Level dBuV 27.76 23.63 18.27 | Correct Factor dB 9.60 9.60 9.61 | Measure- ment dBuV 37.36 33.23 27.88 | dBuV 56.00 46.00 56.00 46.00 | dB -18.64 -12.77 -28.12 -23.62 | 30.000 Detector QP AVG |
| 0.150 No. Mk. 1 0 2 * 0 3 0 4 0 5 1 | .5140 .5140 .7820 | Reading Level dBuV 27.76 23.63 18.27 12.77 | Correct Factor dB 9.60 9.60 9.61 9.61 | Measure- ment dBuV 37.36 33.23 27.88 22.38 | dBuV 56.00 46.00 56.00 46.00 | dB -18.64 -12.77 -28.12 -23.62 | 30,000 Detector QP AVC |

9.63

9.63

9.72

9.72

10.74

10.74

25.26

16.67

20.14

13.64

24.29

12.49

Emission Level= Read Level+ Correct Factor

15.63

7.04

10.42

3.92

13.55

1.75

2.5140

2.5140

4.6700

4.6700

27.3380

27.3380

8

9

10

11

12

QP

AVG

QP

AVG

QP

AVG

56.00 -30.74

46.00 -29.33

56.00 -35.86

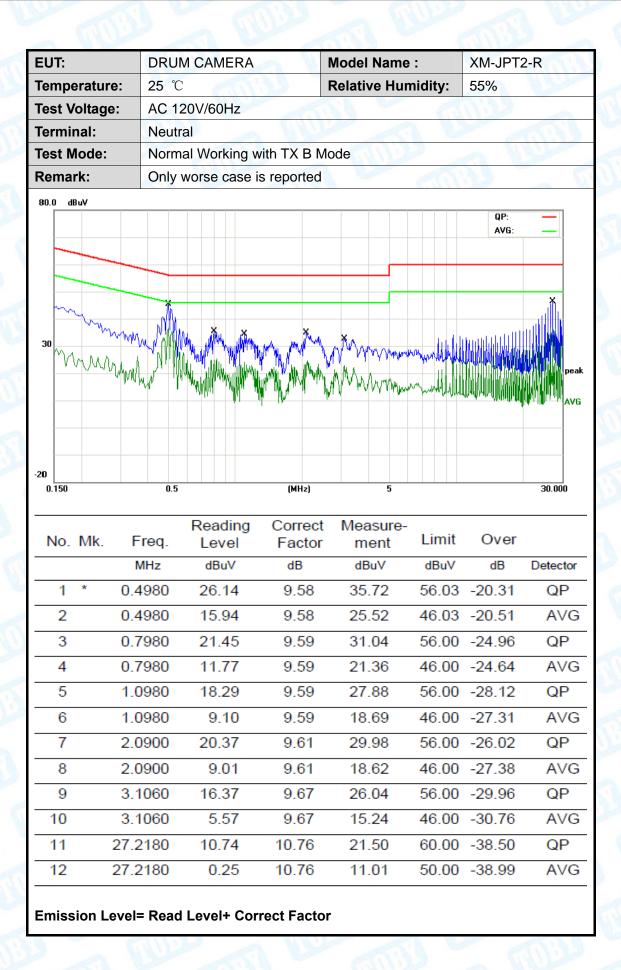
46.00 -32.36

60.00 -35.71

50.00 -37.51



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| EUT: | DRUI | M CAMERA | | Model Name : | XM-JP | T2-R |
|--------------|--------|------------------|-------------------|------------------------|-------------|----------|
| Temperature | 25 °C | | AD T | Relative Humidity | : 55% | A River |
| Test Voltage | : AC 2 | 40V/60Hz | | 51 - 6 | Miss | |
| Terminal: | Line | مر لا | AROS | | | |
| Test Mode: | Norm | al Working w | vith TX B Mo | ode | | MA |
| Remark: | Only | worse case i | s reported | | 133 | |
| 30 dBuV | | | | | QP: AVG: | peak |
| -20 0.150 | 0.5 | <u> </u> | (MHz) | 5 | | 30.000 |
| No. Mk. | Freq. | Reading Level | Correct Factor | Measure- ment Limit | Over | |
| | MHz | dBuV | dB | dBuV dBuV | dB | Detector |
| 1 | 0.1620 | 32.21 | 9.58 | 41.79 65.36 | 3 -23.57 | QP |
| 2 | 0.1620 | 16.39 | 9.58 | 25.97 55.36 | -29.39 | AVG |
| 3 | 0.2300 | 25.95 | 9.58 | 35.53 62.45 | -26.92 | QP |
| 4 | 0.2300 | 14.00 | 9.58 | 23.58 52.45 | -28.87 | AVG |
| 5 | 0.5100 | 29.17 | 9.60 | 38.77 56.00 | -17.23 | QP |
| 6 * | 0.5100 | 25.12 | 9.60 | 34.72 46.00 | -11.28 | AVG |
| 7 | 0.9180 | 22.40 | 9.60 | 32.00 56.00 | -24.00 | QP |
| 8 | 0.9180 | 17.67 | 9.60 | 27.27 46.00 | -18.73 | AVG |
| | | | | | | |

Emission Level= Read Level+ Correct Factor

20.62

13.87

11.97

-0.77

9.62

9.62

10.75

10.75

30.24

23.49

22.72

9.98

2.1660

2.1660

27.5500

27.5500

9

10

11

12

QP

AVG

QΡ

AVG

56.00 -25.76

46.00 -22.51

60.00 -37.28

50.00 -40.02



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| | DRUM CAMERA Model Nan | | | Model Name | : | XM-JPT | 2-R | |
|------------------|-----------------------|--|----------------------------------|------------------------------|----------------------------------|---|--------------------------------------|-----------|
| Temperatu | ıre: | 25 ℃ | THE STATE OF | 33 | Relative Hur | nidity: | 55% | ABIL |
| est Volta | ge: | AC 24 | 40V/60Hz | | 3.1 | (1) | 11:30 | |
| erminal: | | Neutra | al | LING | | 16 | | AR'L |
| est Mode | : | Norma | al Working | with TX B N | /lode | | 0 | |
| Remark: | | Only | worse case | is reported | | | 199 | |
| 30.0 dBuV | now my | ************************************** | | | | | QP: AVG: | peal AVG |
| 0.150 No. Mk. | Fr | 0.5 eq. | Reading Level | (MHz) Correct Factor | | Limit | Over | 30.000 |
| 110. 1111. | | Hz | dBuV | dB | dBuV | dBuV | dB | Detector |
| 1 | 0.5 | 100 | 33.48 | 9.58 | 43.06 | 56.00 | -12.94 | QP |
| 2 * | 0.5 | | 25.87 | 9.58 | 35.45 | | -10.55 | AVC |
| 3 | 0.9 | | 27.89 | 9.59 | 37.48 | | -18.52 | QP |
| 4 | 0.9 | | 19.39 | 9.59 | 28.98 | | -17.02 | AVG |
| | | | | | 33.77 | | -22.23 | QP |
| 5 | 1.4 | 180 | 24.17 | 9.60 | 33.11 | OO.00 | 22.20 | |
| 5 | | | | | 24.60 | | | |
| | 1.4° 1.4° 2.13 | 180 | 15.00 | 9.60 | 24.60 | 46.00 | -21.40 -18.97 | AVG |
| 6 7 | 1.4° 2.13 | 180 380 | 15.00 27.41 | 9.60 9.62 | 24.60 37.03 | 46.00 56.00 | -21.40 -18.97 | AVG QP |
| 6 7 8 | 1.4° 2.13 2.13 | 180 380 380 | 15.00 27.41 17.66 | 9.60 9.62 9.62 | 24.60 37.03 27.28 | 46.00 56.00 46.00 | -21.40 -18.97 -18.72 | QP AVG |
| 6 7 8 9 | 2.13 2.13 3.19 | 180 380 380 980 | 15.00 27.41 17.66 23.30 | 9.60 9.62 9.62 9.68 | 24.60 37.03 27.28 32.98 | 46.00 56.00 46.00 56.00 | -21.40 -18.97 -18.72 -23.02 | QP AVG |
| 6 7 8 | 1.4° 2.13 2.13 | 180 380 380 980 | 15.00 27.41 17.66 | 9.60 9.62 9.62 | 24.60 37.03 27.28 | 46.00 56.00 46.00 56.00 46.00 | -21.40 -18.97 -18.72 | QP AVG |



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5. Radiated Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard FCC Part 15.209

5.1.2 Test Limit

Radiated Emission Limits (9 kHz~1000 MHz)

| Frequency (MHz | Field Strength (microvolt/meter) | Measurement Distance (meters) |
|-------------------|----------------------------------|-------------------------------|
| 0.009~0.490 | 2400/F(KHz) | 300 |
| 0.490~1.705 | 24000/F(KHz) | 30 |
| 1.705~30.0 | 30 | 30 |
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| Above 960 | 500 | 3 |

Radiated Emission Limit (Above 1000MHz)

| Frequency | Distance of 3m (dBuV/m) | | | | |
|------------|-------------------------|---------|--|--|--|
| (MHz) | Peak | Average | | | |
| Above 1000 | 74 | 54 | | | |

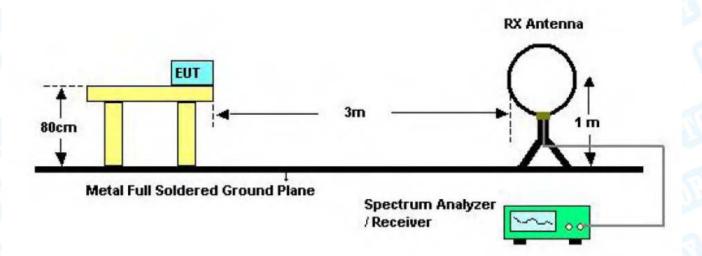
Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

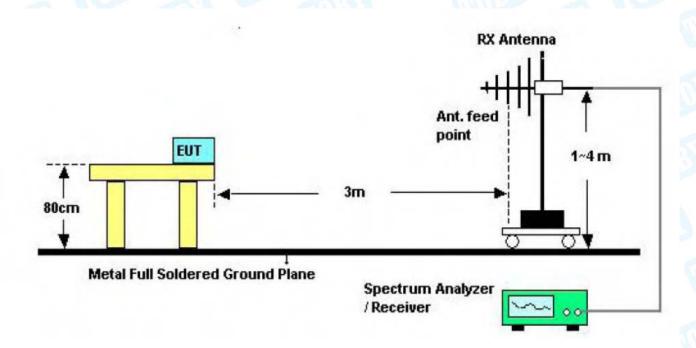


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5.2 Test Setup



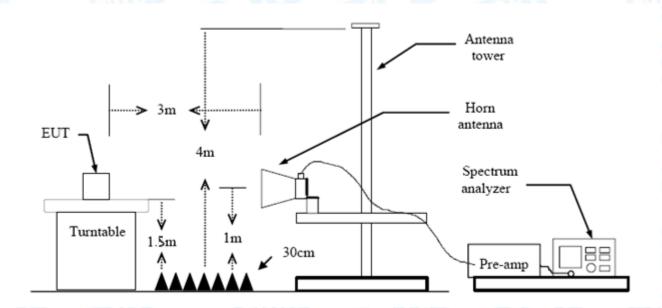
Below 30MHz Test Setup



Below 1000MHz Test Setup



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Above 1GHz Test Setup

5.3 Test Procedure

- (1) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (2) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (3) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (4) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (5) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (6) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (7) For the actual test configuration, please see the test setup photo.

5.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.



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5.5 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Test data please refer the following pages.



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9KHz~30MHz

From 9KHz to 30MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB

below the permissible value has no need to be reported.

30MHz~1GHz

| EU. | I. | | D | RU | M C | JAN | ИEН | ₹A | | | Model: | | |) | XM-JPT2-R | | | | | |
|------------------|----------------|--|--|-------------------------------|-----------|----------------------------|--------------------------|------|--------------------------|------------------------------|--------|--|------------|-----------------------------------|-----------------------------|------------------|-----------------------------------|--------------------------------|----------|------------------------|
| Гen | nperat | ture: | 2 | 5 °C | 2 | | W | | | | Re | elative | e Hu | mid | lity: | 5 | 55% | Vis | | |
| Гes | t Volta | age: | Α | C 1 | 20\ | //60 | OHZ | - | EU. | 15 | 3 | | | | | | | | € | N. |
| Ant | . Pol. | | Н | loriz | zont | al | 1 | | W | | | | | | | | | | | |
| Tes | t Mod | e: | Т | TX B Mode 2412MHz | | | | | | | | | | | | | | | | |
| Rei | mark: | Only worse case is reported | | | | | | | | N | | | | | | | | | | |
| 80. |) dBuV/ | 'm | | | | | | | | | | | | | | | | | _ | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | (F | RF)FCC | 15C : | 3М Па | | | ٦ |
| | | | | | | | | | | | | | | | | | Ma | rgin -(| J UB | Ħ |
| | | | | | | _ | | | | | + | | | | | 6 | | | | |
| 30 | | | , | ļ | | | | | | | | 3 ¥ | Ř | } | 5 . K | Ĭ | | h. | | بلينا |
| | 4. | | 1 | 1 | | 2 | ! | | | | 11 | | ₩. | الرمين | M. 1986 | 447 | بلسيبها | _{re} tara diterra | , APPLAN | |
| | Algander over | | M.A | 1 | JAN VINNE | huya | N. wow | nt | | Lund Mary | Made | "J _{u-1} | ' | wu | | | | | | |
| | " | WHAT WALLEY | ĮΨ' | <i>\</i> \\\\\ | VIEW I | | Mount | MINN | My Me Jak | empte. | r | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| -20 | 0.000 | | | | 70 E | 30 | | | | (MHz) | | | 300 | 4 | 00 | 500 | 600 | 700 | | 1000.0 |
| -20 | | | | | | | din | g | Cor | (MHz) | Me | easur | | | | | | | 1 | 1000.0 |
| -20 30 | | 40 ! | | 60 | R | lea | din | | | | | easur ment | | | oo mit | | 600 Ove | | 1 | 1000.0 |
| -20 30 | 0.000 | 40 ! k. F | 50 (| 60 7 | R | lea Le | | | Fa | rect | 1 | | e- | Lir | | | | er | | 1000.0 |
| -20 30 | 0.000 | 40 ! k. F | Freq | 60 | R | lea Le | vel | _ | Fa dB | rect | n d | ment | e- | Lir | nit | n | Ove | er 3 | D | |
| -20 30 N | 0.000 O. MI | 40 ! k. f | Frec | 60 ; - | R | dB | vel uV | | dB -24 | rrect ictor | d d | ment BuV/n | n) | Lir dB | nit uV/r | n) | Ov e | er 3 .41 | D | etec |
| -20 30 N | 0.000 O. MI | 40 s | Frec MHz | 1- | R | dB 48 | vel uV .78 | | -24 | rrect ector e/m | d d | ment BuV/n 24.59 | re- | Lir dB 4(| mit uV/n | n) | Ove | er 3 .41 | D | etec QF |
| -20 30 N | 0.000 O. MI | 40 s k. f 59 89 243 | Fred MHz .858 | 60 : 1- 38 17 | R | dB 48 35 | vel .78 .66 | | -24 -22 -17 | rrect ictor ./m .19 | d d | ment BuV/n 24.59 13.37 | n) | Lir dB 4(43 | mit uV/n 0.00 | n) | Ove dE -15. | er .41 .13 | D | etec QF QF |
| -20 30 N | 0.000 O. MI | 40 s k. f 59 89 243 317 | Fred MHz .858 .904 | 60 : 1. 388 17 72 | R | dB 48 35 43 | vel .78 .66 | | -24 -22 -17 | .19 .29 | d d | ment 1BuV/n 24.59 13.37 25.79 | n) | Lir dB 40 43 40 40 | mit uV/n 0.00 3.50 | n)) | Ove dE -15. -30. | er .41 .13 .21 | D | etec QF QF |
| -20 31 N 1 2 3 4 | 0.000 O. MI | 40 9 89 243 317 406 | Frecommer 1858 1858 1858 1858 1858 1858 1858 185 | 60 : 1. 72 11 80 | R | dB 48 35 43 44 | vel .78 .66 .52 | | -24 -22 -17 -15 | .19 .29 .73 | d d | ment 1BuV/n 24.59 13.37 25.79 29.05 | re- | Lind dB 40 40 40 40 40 40 40 40 | mit 0.00 3.50 6.00 | n))) | Ove dE -15. -30. -20. | er .41 .13 .21 .95 | D | etec QF QF QF |



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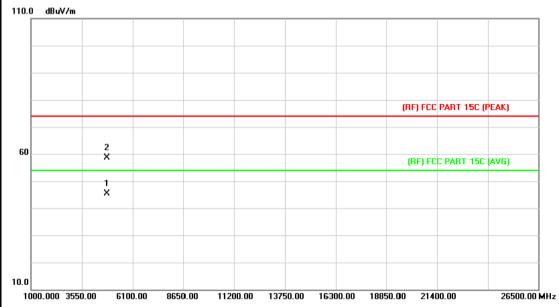
| UT: | | DRUI | M CAMERA | M | odel: | | XM-JPT2-R | | | | | |
|------------------|---------|--------------|--------------------------|-------------------|------------------|--|------------------------------|---------|--|--|--|--|
| empe | rature: | 25 ℃ | 25 °C Relative Humidity: | | | | | 55% | | | | |
| est V | oltage: | AC 12 | 20V/60HZ | | 18 | (4) | MILLS | | | | | |
| nt. P | ol. | Vertic | al | alto | | 1 | | 11.97 | | | | |
| est M | ode: | TX B | Mode 2412 | MHz | MILE | THE STATE OF THE S | | | | | | |
| Remar | k: | Only | worse case | is reported | No. | CINI) | 33 | | | | | |
| 30.0 dB | uV/m | | | | | | | | | | | |
| 30.000 | 40 50 | 60 70 | 2 3 | (MHz) | 300 | | E 15C 3M Radiation Margin -6 | 1000.00 | | | | |
| No | Mk. Fi | req. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | | | | |
| IVO. | | IHz | dBuV | dB/m | dBuV/m | dBuV/ | | Detecto | | | | |
| 1 | | 0007 | 51.74 | -24.14 | 27.60 | 40.00 | | QP | | | | |
| 2 | | 5899 | 51.51 | -22.31 | 29.20 | 43.50 | | QP | | | | |
| | | 4866 | 51.34 | -21.51 | 29.83 | 43.50 | | QP | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | 0368 | 46.64 | -20.34 | 26.30 | 43.50 | | QP | | | | |
| 4 | | 4000 | 40 04 | 15 //) | 30.31 | 46.0 | 0 -15.69 | QP | | | | |
| 3 4 5 6 | 315. | 4808 3151 | 46.01 | -15.70 -10.84 | 30.88 | 46.00 | 0 -15.12 | QP | | | | |



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Above 1GHz

| DRUM CAMERA | Model: | XM-JPT2-R | | | | | | |
|--|--|---|--|--|--|--|--|--|
| 25 ℃ | Relative Humidity: | 55% | | | | | | |
| AC 120V/60HZ | | | | | | | | |
| Horizontal | | | | | | | | |
| TX B Mode 2412MHz | | | | | | | | |
| No report for the emission which more than 10 dB below the prescribed limit. | | | | | | | | |
| | 25 °C AC 120V/60HZ Horizontal TX B Mode 2412MHz No report for the emission | 25 °C Relative Humidity: AC 120V/60HZ Horizontal TX B Mode 2412MHz No report for the emission which more than 10 dB | | | | | | |

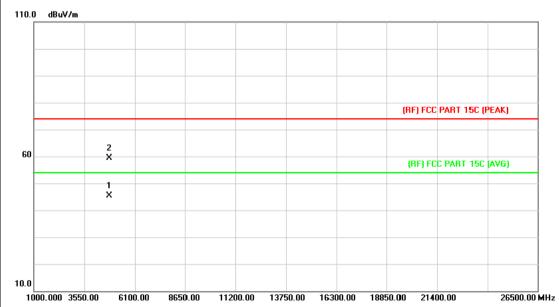


| No | . Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|----|-------|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4823.424 | 34.28 | 11.21 | 45.49 | 54.00 | -8.51 | AVG |
| 2 | | 4823.492 | 47.52 | 11.21 | 58.73 | 74.00 | -15.27 | peak |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | | |
|---------------|--|--------------------|------------|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | | |
| Test Voltage: | AC 120V/60HZ | | | | | | | |
| Ant. Pol. | Vertical | | | | | | | |
| Test Mode: | TX B Mode 2412MHz | | J. Hilliam | | | | | |
| Remark: | No report for the emission which more than 10 dB below the prescribed limit. | | | | | | | |

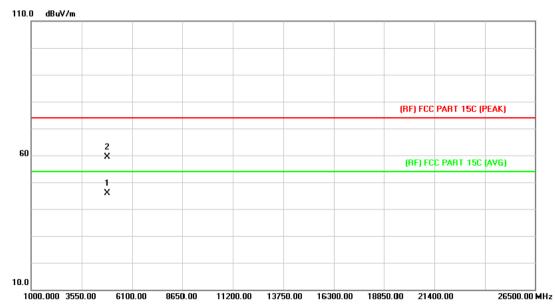


| No. | Mk | . Freq. | _ | Correct Factor | Measure- ment | Limit | Over | |
|-----|----|----------|-------|-------------------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4823.062 | 34.16 | 11.21 | 45.37 | 54.00 | -8.63 | AVG |
| 2 | | 4824.604 | 48.15 | 11.21 | 59.36 | 74.00 | -14.64 | peak |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | | | |
|---------------|---------------------------|--|--|--|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | | | |
| Ant. Pol. | Horizontal | Horizontal | | | | | | | |
| Test Mode: | TX B Mode 2437MHz | | THE PARTY OF THE P | | | | | | |
| Remark: | No report for the emissio | No report for the emission which more than 10 dB below the | | | | | | | |
| | prescribed limit. | | | | | | | | |
| | | | | | | | | | |

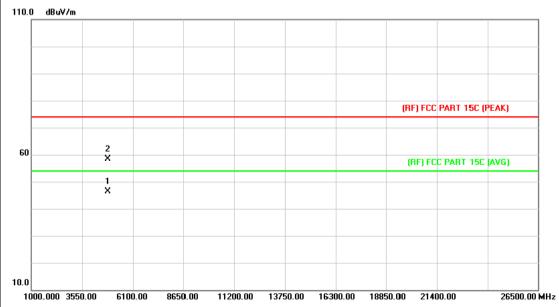


| No. | . Mk. | Freq. | _ | Correct Factor | Measure- ment | Limit | Over | |
|-----|-------|----------|-------|-------------------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4873.324 | 34.46 | 11.34 | 45.80 | 54.00 | -8.20 | AVG |
| 2 | | 4873.392 | 48.00 | 11.34 | 59.34 | 74.00 | -14.66 | peak |



Page: 26 of 91

| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | |
|---------------|----------------------------|--|-----------|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | | | | | | |
| Ant. Pol. | Vertical | Vertical | | | | | |
| Test Mode: | TX B Mode 2437MHz | | A VIII | | | | |
| Remark: | No report for the emission | No report for the emission which more than 10 dB below the | | | | | |
| | prescribed limit. | | | | | | |
| l | | | | | | | |

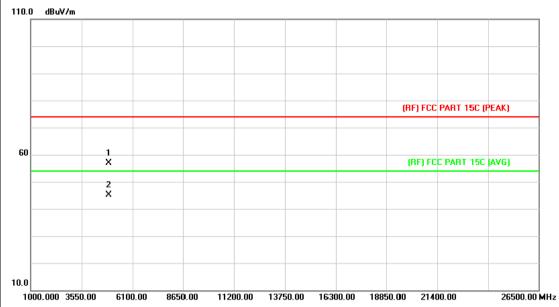


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4873.110 | 35.12 | 11.34 | 46.46 | 54.00 | -7.54 | AVG |
| 2 | | 4873.194 | 47.06 | 11.34 | 58.40 | 74.00 | -15.60 | peak |



Page: 27 of 91

| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | |
|---------------|--|--------------------|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | | | | | | |
| Ant. Pol. | Horizontal | | | | | | |
| Test Mode: | TX B Mode 2462MHz | MILLER | THE PARTY OF THE P | | | | |
| Remark: | No report for the emission which more than 10 dB below the prescribed limit. | | | | | | |
| | | | | | | | |

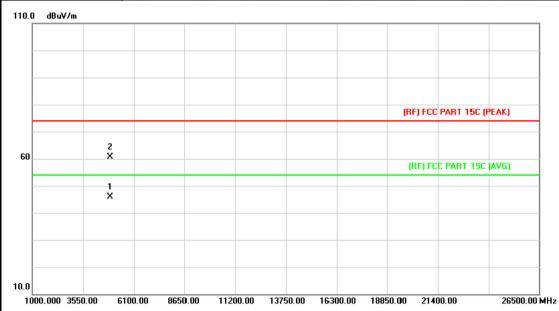


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4923.864 | 45.43 | 11.46 | 56.89 | 74.00 | -17.11 | peak |
| 2 | * | 4923.864 | 33.69 | 11.46 | 45.15 | 54.00 | -8.85 | AVG |



Page: 28 of 91

| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | |
|---------------|--|--------------------|--------------|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | |
| Ant. Pol. | Vertical | | | | | | |
| Test Mode: | TX B Mode 2462MHz | WILDS | THE PARTY OF | | | | |
| Remark: | No report for the emission which more than 10 dB below the prescribed limit. | | | | | | |

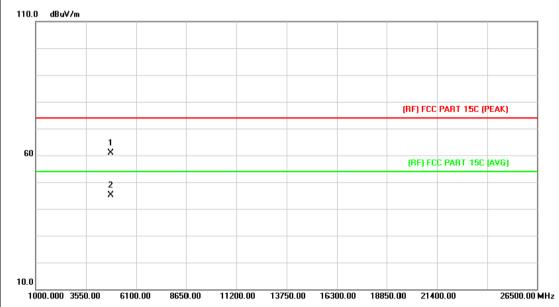


| No. | ı | Λlk. | Freq. | | Correct Factor | Measure- ment | Limit | Over | |
|-----|---|------|----------|-------|-------------------|------------------|--------|--------|----------|
| | | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | | 4924.684 | 34.52 | 11.46 | 45.98 | 54.00 | -8.02 | AVG |
| 2 | | | 4924.988 | 49.16 | 11.46 | 60.62 | 74.00 | -13.38 | peak |



Page: 29 of 91

| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | |
|---------------|----------------------------|--|-----------|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | | | | | | |
| Ant. Pol. | Horizontal | Horizontal | | | | | |
| Test Mode: | TX G Mode 2412MHz | WIID S | A VIII | | | | |
| Remark: | No report for the emission | No report for the emission which more than 10 dB below the | | | | | |
| | prescribed limit. | | | | | | |
| l | | | | | | | |

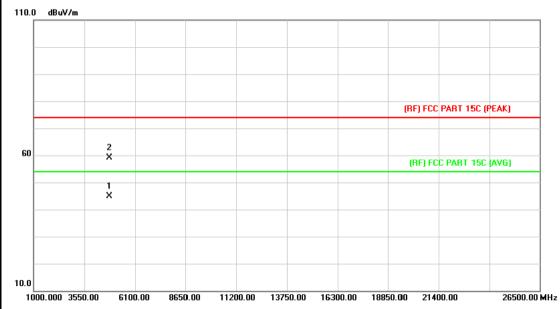


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4824.564 | 49.70 | 11.21 | 60.91 | 74.00 | -13.09 | peak |
| 2 | * | 4824.580 | 33.81 | 11.21 | 45.02 | 54.00 | -8.98 | AVG |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | |
|---------------|--|--------------------|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | | Tib | | | | |
| Ant. Pol. | Vertical | | | | | | |
| Test Mode: | TX G Mode 2412MHz | | THE PARTY OF THE P | | | | |
| Remark: | No report for the emission which more than 10 dB below the prescribed limit. | | | | | | |
| | | | | | | | |

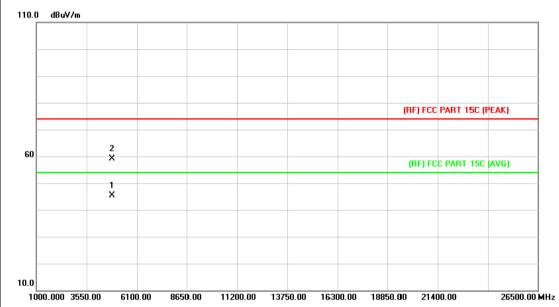


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4823.736 | 33.76 | 11.21 | 44.97 | 54.00 | -9.03 | AVG |
| 2 | | 4824.920 | 47.80 | 11.21 | 59.01 | 74.00 | -14.99 | peak |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | | |
|---------------|----------------------------|--|-----------|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | | |
| Test Voltage: | AC 120V/60HZ | | | | | | | |
| Ant. Pol. | Horizontal | Horizontal | | | | | | |
| Test Mode: | TX G Mode 2437MHz | | A VIII | | | | | |
| Remark: | No report for the emission | No report for the emission which more than 10 dB below the | | | | | | |
| | prescribed limit. | prescribed limit. | | | | | | |
| | | | | | | | | |

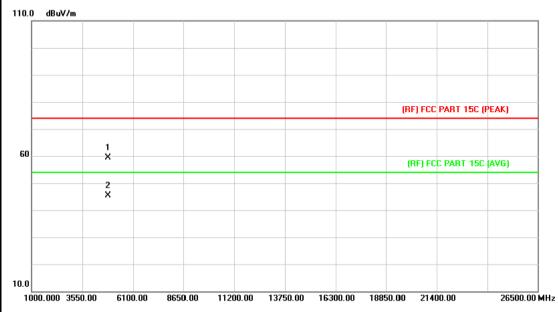


| No | . Mk | . Freq. | Reading Level | | Measure- ment | Limit | Over | |
|----|------|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4873.422 | 34.10 | 11.34 | 45.44 | 54.00 | -8.56 | AVG |
| 2 | | 4873.682 | 47.86 | 11.34 | 59.20 | 74.00 | -14.80 | peak |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | | |
|---------------|--|--------------------|--|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | | |
| Ant. Pol. | Vertical | | | | | | | |
| Test Mode: | TX G Mode 2437MHz | MILLON | THE PARTY OF THE P | | | | | |
| Remark: | Remark: No report for the emission which more than 10 dB below the prescribed limit. | | | | | | | |
| | | | | | | | | |

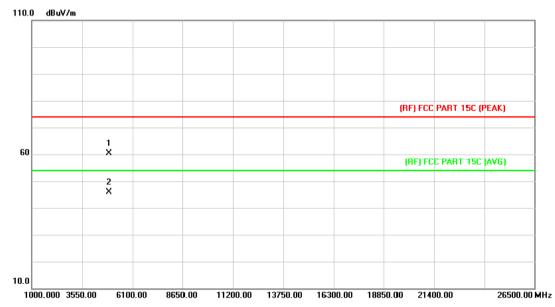


| N | o. Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|---|--------|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4873.378 | 48.01 | 11.34 | 59.35 | 74.00 | -14.65 | peak |
| 2 | * | 4875.000 | 34.08 | 11.34 | 45.42 | 54.00 | -8.58 | AVG |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | |
|---------------|--|-----------------------|-------------|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | | | | | | |
| Ant. Pol. | Horizontal | | | | | | |
| Test Mode: | TX G Mode 2462MHz | | A LIVE | | | | |
| Remark: | No report for the emission prescribed limit. | which more than 10 dE | B below the | | | | |



| No. | Mk. | . Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4923.396 | 48.89 | 11.46 | 60.35 | 74.00 | -13.65 | peak |
| 2 | * | 4923.840 | 34.50 | 11.46 | 45.96 | 54.00 | -8.04 | AVG |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | | |
|-------------------|--|--------------------|-----------|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | | |
| Ant. Pol. | Vertical | | | | | | | |
| Test Mode: | TX G Mode 2462MHz | MILLER | | | | | | |
| Remark: | No report for the emission which more than 10 dB below the | | | | | | | |
| prescribed limit. | | | | | | | | |
| | | | | | | | | |

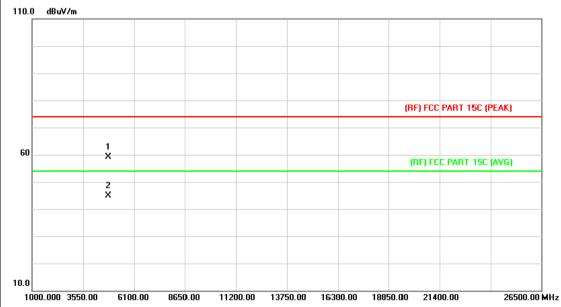


| No | o. N | Λİk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|----|------|------|----------|------------------|-------|------------------|--------|--------|----------|
| | | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | | 4923.948 | 34.51 | 11.46 | 45.97 | 54.00 | -8.03 | AVG |
| 2 | | | 4924.384 | 48.47 | 11.46 | 59.93 | 74.00 | -14.07 | peak |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | | |
|---------------|----------------------------|-----------------------|--|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | | |
| Ant. Pol. | Horizontal | | | | | | | |
| Test Mode: | TX N(HT20) Mode 2412M | Hz | THE PARTY OF THE P | | | | | |
| Remark: | No report for the emission | which more than 10 de | B below the | | | | | |
| | prescribed limit. | | | | | | | |
| | | | | | | | | |

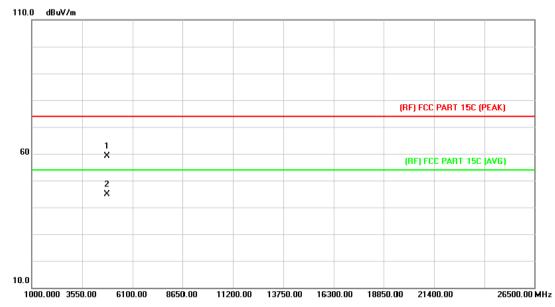


| No. | Mk. | Freq. | | | Measure- ment | Limit | Over | |
|-----|-----|----------|-------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4824.416 | 47.81 | 11.21 | 59.02 | 74.00 | -14.98 | peak |
| 2 | * | 4825.000 | 33.78 | 11.21 | 44.99 | 54.00 | -9.01 | AVG |



Page: 36 of 91

| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | | |
|---------------|--|--------------------|-----------|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | | |
| Ant. Pol. | Vertical | | | | | | | |
| Test Mode: | TX N(HT20) Mode 241 | 2MHz | A VIII | | | | | |
| Remark: | No report for the emission which more than 10 dB below the | | | | | | | |
| | prescribed limit. | لاله مر الال | | | | | | |
| | | | | | | | | |

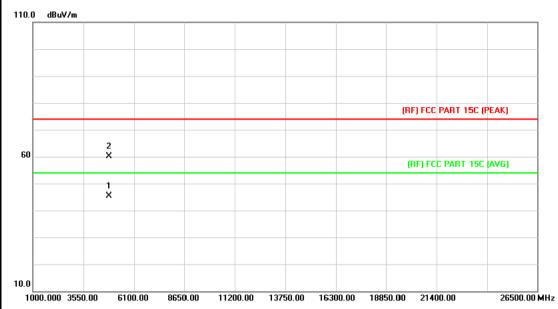


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4823.288 | 47.99 | 11.21 | 59.20 | 74.00 | -14.80 | peak |
| 2 | * | 4824.896 | 33.74 | 11.21 | 44.95 | 54.00 | -9.05 | AVG |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | |
|---------------|--|--------------------|--------------|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | |
| Test Voltage: | AC 120V/60HZ | | | | | |
| Ant. Pol. | Horizontal | | | | | |
| Test Mode: | TX N(HT20) Mode 2437M | Hz | THE PARTY OF | | | |
| Remark: | No report for the emission which more than 10 dB below the prescribed limit. | | | | | |

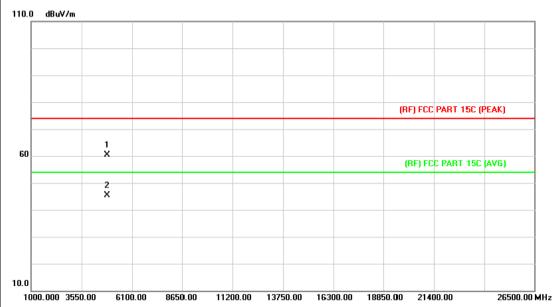


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4873.210 | 34.09 | 11.34 | 45.43 | 54.00 | -8.57 | AVG |
| 2 | | 4873.890 | 48.71 | 11.34 | 60.05 | 74.00 | -13.95 | peak |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | |
|---------------|---------------------------|--|-------------|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | |
| Ant. Pol. | Vertical | Vertical | | | | | |
| Test Mode: | TX N(HT20) Mode 2437N | ИНz | Jan Milliam | | | | |
| Remark: | No report for the emissio | No report for the emission which more than 10 dB below the | | | | | |
| | prescribed limit. | | | | | | |
| | | | | | | | |

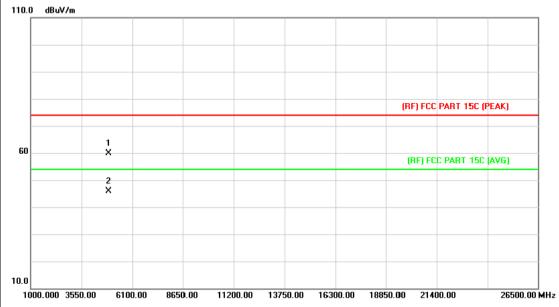


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4873.134 | 48.99 | 11.34 | 60.33 | 74.00 | -13.67 | peak |
| 2 | * | 4874.580 | 34.11 | 11.34 | 45.45 | 54.00 | -8.55 | AVG |



Page: 39 of 91

| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | | |
|---------------|------------------------------|----------------------|-----------|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | | |
| Ant. Pol. | Horizontal | Horizontal | | | | | | |
| Test Mode: | TX N(HT20) Mode 2462MH | z milipe | Jan Jan | | | | | |
| Remark: | No report for the emission w | hich more than 10 dB | below the | | | | | |
| | prescribed limit. | | | | | | | |
| 110.0 40.44 | | | | | | | | |

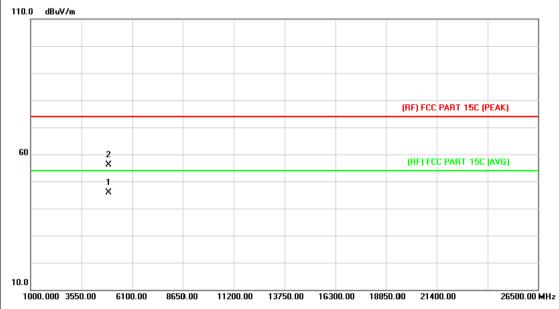


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4924.232 | 48.46 | 11.46 | 59.92 | 74.00 | -14.08 | peak |
| 2 | * | 4924.580 | 34.50 | 11.46 | 45.96 | 54.00 | -8.04 | AVG |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | | |
|---------------|--|--------------------|-----------|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | | |
| Ant. Pol. | Vertical | | | | | | | |
| Test Mode: | TX N(HT20) Mode 2462MH | z milipe | Jan Jan | | | | | |
| Remark: | No report for the emission which more than 10 dB below the prescribed limit. | | | | | | | |
| Remark: | No report for the emission which more than 10 dB below the prescribed limit. | | | | | | | |

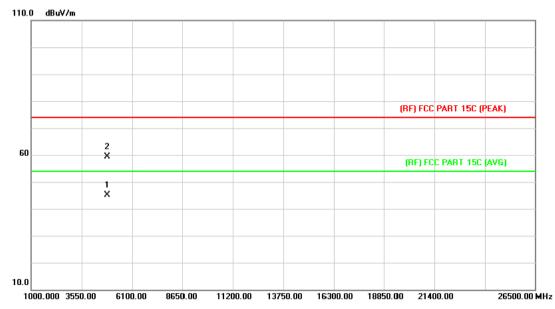


| No. | Λ | /lk. | Freq. | | Correct Factor | Measure- ment | Limit | Over | |
|-----|---|------|----------|-------|-------------------|------------------|--------|--------|----------|
| | | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4 | 4923.210 | 34.51 | 11.46 | 45.97 | 54.00 | -8.03 | AVG |
| 2 | | 4 | 4924.048 | 44.70 | 11.46 | 56.16 | 74.00 | -17.84 | peak |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | |
|---------------|----------------------------|--|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | |
| Ant. Pol. | Horizontal | Horizontal | | | | | |
| Test Mode: | TX N(HT40) Mode 2422 | MHz | THE PARTY OF THE P | | | | |
| Remark: | No report for the emission | No report for the emission which more than 10 dB below the | | | | | |
| | prescribed limit. | | | | | | |
| | | | | | | | |

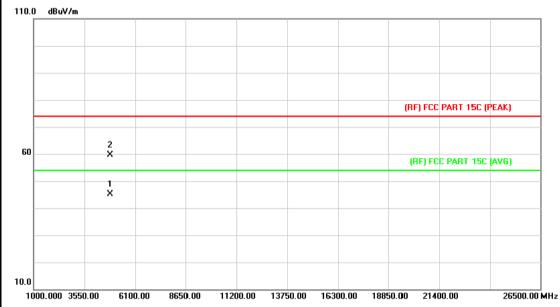


| N | o. Mk | . Freq. | Reading Level | | Measure- ment | Limit | Over | |
|---|-------|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4843.000 | 33.93 | 11.26 | 45.19 | 54.00 | -8.81 | AVG |
| 2 | | 4844.824 | 48.05 | 11.26 | 59.31 | 74.00 | -14.69 | peak |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | | |
|---------------|---|-----------------------|-----------|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | | |
| Ant. Pol. | Vertical | Vertical | | | | | | |
| Test Mode: | TX N(HT40) Mode 2422MH | z | a Mul | | | | | |
| Remark: | emark: No report for the emission which more than 10 dB below the prescribed limit. | | | | | | | |
| Remark: | | vnich more than 10 dB | below the | | | | | |

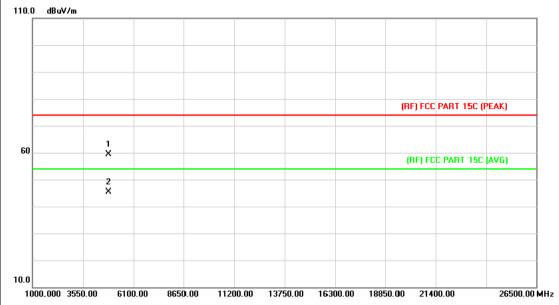


| No | . Mk | Freq. | _ | | Measure- ment | Limit | Over | |
|----|------|----------|-------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4843.526 | 33.94 | 11.26 | 45.20 | 54.00 | -8.80 | AVG |
| 2 | | 4843.928 | 48.30 | 11.26 | 59.56 | 74.00 | -14.44 | peak |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R |
|---------------|--|-----------------------|-------------|
| Temperature: | 25 ℃ | Relative Humidity: | 55% |
| Test Voltage: | AC 120V/60HZ | 31 - 6 | The second |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX N(HT40) Mode 2437M | Hz | A VIII |
| Remark: | No report for the emission prescribed limit. | which more than 10 dE | B below the |

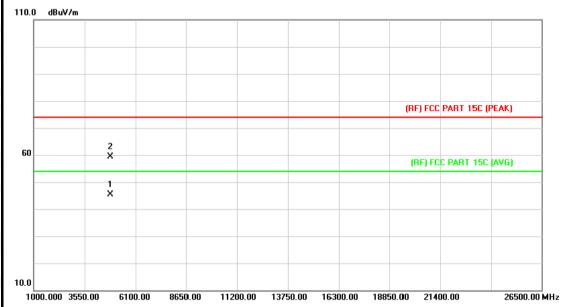


| No. | Mk. | Freq. | _ | Correct Factor | Measure- ment | Limit | Over | |
|-----|-----|----------|-------|-------------------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4873.534 | 48.07 | 11.34 | 59.41 | 74.00 | -14.59 | peak |
| 2 | * | 4874.474 | 34.08 | 11.34 | 45.42 | 54.00 | -8.58 | AVG |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R |
|---------------|--|-----------------------|--------------|
| Temperature: | 25 ℃ | Relative Humidity: | 55% |
| Test Voltage: | AC 120V/60HZ | 31 - 6 | Till a |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX N(HT40) Mode 2437M | Hz | THE PARTY OF |
| Remark: | No report for the emission prescribed limit. | which more than 10 dE | 3 below the |

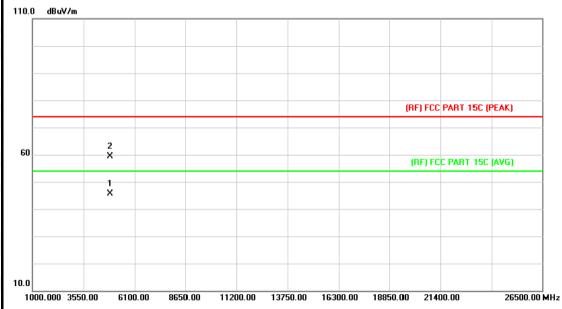


| No. | M | lk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|---|-----|----------|------------------|-------------------|------------------|--------|--------|----------|
| | | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4 | 1873.106 | 34.11 | 11.34 | 45.45 | 54.00 | -8.55 | AVG |
| 2 | | 4 | 1874.792 | 48.00 | 11.34 | 59.34 | 74.00 | -14.66 | peak |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R |
|---------------|--|-----------------------|-------------|
| Temperature: | 25 ℃ | Relative Humidity: | 55% |
| Test Voltage: | AC 120V/60HZ | | Time |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX N(HT40) Mode 2452M | lHz | |
| Remark: | No report for the emission prescribed limit. | which more than 10 dB | 3 below the |
| 110.0 dp.4//- | | | |

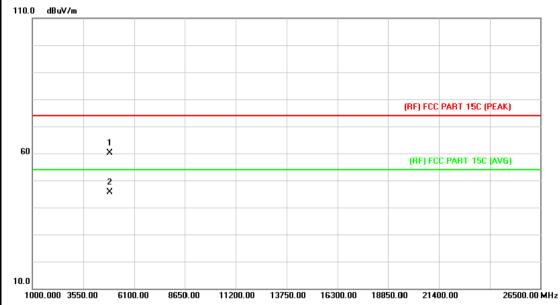


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4903.314 | 34.29 | 11.41 | 45.70 | 54.00 | -8.30 | AVG |
| 2 | | 4904.128 | 47.87 | 11.41 | 59.28 | 74.00 | -14.72 | peak |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R |
|---------------|----------------------------|-----------------------|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% |
| Test Voltage: | AC 120V/60HZ | | TUE |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX N(HT40) Mode 2452N | lHz | The same of the sa |
| Remark: | No report for the emission | which more than 10 dl | B below the |
| | prescribed limit. | | |
| | | | |



| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4904.448 | 48.74 | 11.41 | 60.15 | 74.00 | -13.85 | peak |
| 2 | * | 4904.474 | 34.28 | 11.41 | 45.69 | 54.00 | -8.31 | AVG |



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6. Restricted Bands Requirement

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.247(d)

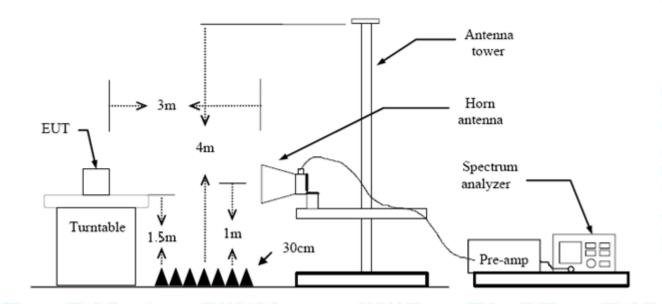
FCC Part 15.209

FCC Part 15.205

6.1.2 Test Limit

| Restricted Frequency | Distance of 3m (dBuV/m) | | | | |
|----------------------|-------------------------|---------|--|--|--|
| Band (MHz) | Peak | Average | | | |
| 2310 ~2390 | 74 | 54 | | | |
| 2483.5 ~2500 | 74 | 54 | | | |

6.2 Test Setup



6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.



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(3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.

- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

6.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

6.5 Test Data

Please see the next page.



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(1) Radiation Test

| diat | ion Te | est | | | | | | | | |
|---------------------|-----------------------------|------------------|---------|-----------------|-----------------|-------------------|------------------------|--|----------------|-----------|
| EUT: DRU | | DRU | IM CAME | RA | M | odel: | | XM-JPT2 | 2-R | |
| Tem | peratu | ıre: | 25 ° | С | | Re | Relative Humidity: 55% | | | |
| Test | Volta | ge: | AC 1 | 20V/60H | Z | 11 | | av | | |
| Ant. Pol. Horizonta | | | | zontal | 13 | | | | 2 11 | 11 |
| Test | est Mode: TX B Mode 2412MHz | | | | | 13 | _ (| | | |
| Ren | nark: | | N/A | | CHI | The second second | 1 | A STATE OF THE PARTY OF THE PAR | | |
| 110.0 | dBuV/n | n | | | | | | | | |
| 60 | | | | | | | | 1 | PART 15C (PEAK | 9 |
| ьи | | | | | | | | (RF) FCC | PART 15C AVG | i) |
| | | | | | u | 3 | 1 x 2 x | ~ | | |
| 10.0 | | | | | | | | | | |
| 23 | 32.000 23 | 342.00 2 | 352.00 | 2362.00 | | | | 2402.00 2412. | 00 2 | 432.00 MH |
| N | o. Mk | . Fre | q. | Readin Level | g Corre Fact | | easure- ment | Limit | Over | |
| | | MH | Z | dBuV | dB/m | | dBuV/m | dBuV/m | dB | Detecto |
| _ | | 2390.0 | 000 | 45.00 | -0.27 | 7 | 44.73 | 74.00 | -29.27 | peak |
| 1 | | | | | 0.0 | 7 | 32.76 | 54.00 | -21.24 | AVG |
| | | 2390.0 | 000 | 33.03 | -0.27 | f . | 32.70 | 01.00 | 21.21 | |
| 2 | * | 2390.0 2412.8 | | 33.03 94.05 | -0.27 | | 93.89 | Fundamenta | | AVG |



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| EUT | : | | DRUM CAMERA | | Model: | | XM-JPT2-R | | |
|---------------------|-----------|----------------|-------------|----------------|-------------|------------|-------------|------------------|------------|
| Гет | peratu | ıre: | 25 °C | C | 30 | Relative F | lumidity: | 55% | |
| Test | t Volta | ge: | AC 1 | 20V/60HZ | | THE P | 6 | 11/3/2 | |
| ۱nt. | Pol. | | Verti | cal | L BAT | | a v | | M |
| Test Mode: TX B Mod | | | Mode 241 | 2MHz | m/l | | 5 W | Messa | |
| Ren | nark: | | N/A | Although | | 1 600 | | :43 | |
| 110.0 |) dBuV/π | ı | | | | | | | |
| | | | | | | | | 4 ¥ | |
| | | | | | | | | my | |
| | | | | | | | | / ' h | |
| | | | | | | | (RF) FC | C PART 15C (PEA) | |
| | | | | | | | | | |
| 60 | | | | | | | | | |
| | | | | | | 1 | (RF) FI | CC PART 15C (AVI | 3) |
| | | | | | | × | | | |
| | | | | | | 2 X | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 10.0 | 27.000 23 | 22.00 | 347.00 | 2357.00 23 | 67.00 2377. | 00 2387.00 | 2397.00 240 | 07.00 2 | 2427.00 MI |
| | | | | Reading | Correct | | | | |
| N | o. Mk | . Fre | eq. | Level | Factor | | Limit | Over | |
| | | MH | z | dBuV | dB/m | dBuV/m | dBuV/n | n dB | Detecto |
| | | | | | | 46 DE | 74.00 | -27.95 | peak |
| 1 | | 2390. | 000 | 46.32 | -0.27 | 46.05 | 74.00 | | - |
| _ | | 2390. 2390. | | 46.32 34.86 | -0.27 | 34.59 | 54.00 | | AVG |
| 1 2 3 | * | | 000 | | | | 54.00 | | |



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| EUT: | DRUM C | AMERA | Model: | XM-JPT2-R | | | |
|--------------|-----------|------------|-------------------|-----------------------|--|--|--|
| Temperature: | 25 ℃ | | Relative Humidity | : 55% | | | |
| est Voltage: | AC 120V | /60HZ | 133 | | | | |
| Ant. Pol. | Horizonta | | | | | | |
| Test Mode: | TX B Mod | de 2462MHz | | THE REAL PROPERTY. | | | |
| Remark: | N/A | | | | | | |
| 110.0 dBuV/m | | | | | | | |
| | 2 | | | | | | |
| | Ϋ́ | | | | | | |
| | | | | | | | |
| N A | | | (RE) | FCC PART 15C (PEAK) | | | |
| <i></i> | | | () | Too min too a critis | | | |
| 60 |) | | | | | | |
| | | | (RI | F) FCC PART 15C (AVG) | | | |
| | | 3 X | | | | | |
| المبدأ | | 4 | | | | | |
| | | " | | | | | |
| | | | | | | | |
| | | | | | | | |

| No. Mk. Freq | | . Freq. | Reading Level | Correct | Measure- ment | Limit | Over | |
|--------------|---|----------|------------------|---------|------------------|-------------|-----------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 2462.700 | 93.85 | 0.09 | 93.94 | Fundamental | Frequency | AVG |
| 2 | X | 2463.000 | 98.61 | 0.09 | 98.70 | Fundamental | Frequency | peak |
| 3 | | 2483.500 | 46.33 | 0.19 | 46.52 | 74.00 | -27.48 | peak |
| 4 | | 2483.500 | 34.83 | 0.19 | 35.02 | 54.00 | -18.98 | AVG |



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| EUT: | | D | RUM C | CAMERA | Д | Mode | l: | | XM-JP | T2-l' | R | |
|-------------|--------------------|-------------------------|-----------------------|------------------------------|-----------------------------------|----------------|---------------------------------|---------------|---------------|----------------|--------|------------|
| Temp | erature | : 2 | 5 ℃ | | 33 | Relat | ive Hu | midity: | 55% | 1 | 133 | P |
| Test \ | /oltage | : A | C 120V | //60HZ | | 110 | | 6 | | | | |
| Ant. F | Pol. | V | ertical | | I HI | | | | | A. | M | |
| Test N | Mode: | T | Х В Мо | de 2462 | 2MHz | 6 | 1/1/2 | | | 47 | 1 have | |
| Rema | ırk: | N | /A | 3 | | | | en l | (197) | | | Ţ |
| 110.0 | dBuV/m | | | | | | | | | | | |
| 60 | | ř | | 3 X X 4 X X | 1 | | | | FCC PART 15C | | | |
| | | | | | | | | | | | | |
| 10.0 | | | | | | | | | | | 545.00 | 1 |
| 2445 | 5.000 2455. Mk. | 00 2465. Freq. | Re | ading evel | Correct Factor | Mea | sure- ent | | 525.00 Ove | | | M H |
| 2445 | | | Re Le | ading | Correct | Mea m | sure- | | Ove | er | Detec | |
| 2445 No. | Mk. | Freq. | Re Le | ading evel | Correct Factor | Mea m | sure- ent | Limit dBuV | Ove | er 3 | | cto |
| 2445 No. | Mk. | Freq. | Re Le d | ading evel BuV | Correct Factor | Mea dB | sure- ent _{uV/m} | Limit dBuV | Ove | er 3 | Detec | cto |
| 2445 | Mk. * 24 X 24 | Freq. MHz 462.700 | Re Le d 0 98 | ading evel BuV 8.83 | Correct Factor dB/m 0.09 | t Mea modBi | asure- ent uV/m 3.92 | Limit dBuV | : Over | er 3 acy | Detec | cto ′G |



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| | | | DRU | JM CAM | ERA | 11 | Mode | l: | | XM-JPT2-R | | |
|-------------|-----------|--------|---------|----------|---------|--------|--------|---------|------------|----------------|-------------|--|
| Temp | peratu | re: | 25 ° | С | 1879 | | Relat | ive Hui | midity: | 55% | A Brown | |
| Test ' | Voltaç | ge: | AC 1 | 120V/60H | ΗZ | M | 180 | | 611 | 11:30 | | |
| Ant. | Pol. | | Hori | zontal | - | | | | 1 6 | 12.50 | | |
| Test | Mode | : | TX | Mode 2 | 2412MH | z | . 6 | 11/10 | | 3 W | 11 | |
| Rema | ark: | | N/A | An | | 1 | | | | 33 | | |
| 110.0 | dBuV/r | n | | | | | | | | | | |
| | | | | | | | | | | 4 X | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | 3 X | | |
| | | | | | | | | | (RF) FCC | PART 15C (PEA | K) | |
| | | | | | | | | | | | | |
| 60 | | | | | | | | | (DE) FE | C PART 15C (AV | | |
| ŀ | | | | | | | | | (HF) FCI | PART TSC (AV | 6] | |
| | | | | | | | 1 X | / | | \ | | |
| | | | | | | | 2 X | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 10.0 233 | 32.000 23 | 342.00 | 2352.00 | 2362.00 | 2372.00 | 2382.0 | 0 239 | 2.00 24 | 02.00 2412 | 2.00 | 2432.00 MHz | |
| | | | | | | | | | | | | |
| | | | | Readir | og Co | orrect | Mea | sure- | | | | |
| No | . Mk | . Fre | eq. | Leve | | actor | | ent | Limit | Over | | |
| | | MH | z | dBuV | d | IB/m | dB | uV/m | dBuV/m | dB | Detector | |
| 1 | | 2390. | 000 | 44.23 | 3 -(| 0.27 | 43 | 3.96 | 74.00 | -30.04 | peak | |
| 2 | | 2390. | 000 | 32.91 | l -(| 0.27 | 32 | 2.64 | 54.00 | -21.36 | AVG | |
| 3 | * | 2413. | 400 | 88.20 |) -(| 0.16 | 88 | 3.04 | Fundamenta | Il Frequency | AVG | |
| 4 | Х | 2415. | 800 | 99.89 |) -(| 0.14 | 99 | 9.75 | Fundamenta | I Frequency | peak | |



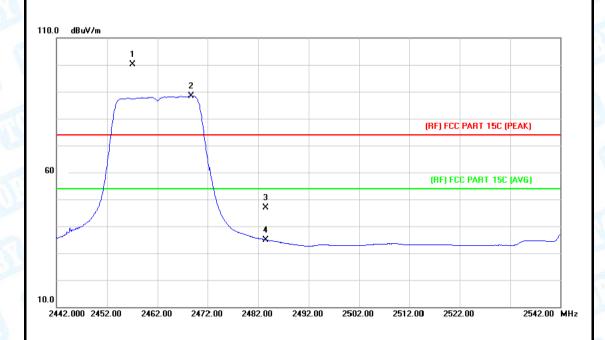
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| EUT: | | | DRUM CAMERA | | | | Mod | lel: | | XM-JPT2-R | | |
|---------|----------|-------------|--------------|------------|---------------------|-------------------------|-----------|---------------------|--------------------------|----------------|--------------|--|
| Temp | peratu | ire: | 25 ° | С | e Till | M | Rela | tive Hu | ımidity: | 55% | The same | |
| Test | Volta | ge: | AC 1 | 120V | //60HZ | | Bist | | (ALI | 1139 | | |
| Ant. | Pol. | | Verti | ical | | LI THU | | | 1 63 | | | |
| Test | Mode | : | TX | 3 Mc | de 241 | 2MHz | 6 | 1110 | | 2 1 | No. | |
| Rem | ark: | | N/A | | 1 | | 1 1 | | | 19 | | |
| 110.0 | dBuV/π | | | | | | | | | | | |
| | | | | | | | | | | 4 × | | |
| | | | | | | | | | | 3 | | |
| | | | | | | | | | | | | |
| | | | | | | | | | (RF) FCC F | PART 15C (PEAK | 3 | |
| | | | | | | | | | | | | |
| 60 | | | | | | | | | (DE) ECC | PART 15C (AVE | | |
| | | | | | | | | 1 | 1,100 | TAIT 13C ATC | ' | |
| | | | | | | | | × | | | | |
| | ^_ | \perp | | | | | | _X | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 10.0 | 7.000 23 | 37.00 2 | 2347.00 | 2357 | 7.00 23f | 67.00 2377.00 | 2387 | '.00 239 | 7.00 2407. | 00 2 | 427.00 MHz | |
| | | | | | | | | | | | | |
| | | | | D - | ading | Correct | B. 4 | sure- | | _ | | |
| No | . Mk | . Fre | eq. | | evel | Factor | | ent | Limit | Over | | |
| No | . Mk | . Fre | | L | | | me | | Limit dBuV/m | dB | Detector | |
| No 1 | . Mk | | - Iz | L | evel | Factor | dB: | ent | | | Detector | |
| 1 2 | . Mk | MH | Hz .000 | 4 | evel BuV | Factor dB/m | dBi 46 | ent uV/m | dBuV/m | dB | | |
| 1 | . Mk | MH 2390. | .000 .000 | 4 | evel BuV 6.90 | Factor dB/m -0.27 | 46 34 | ent uV/m 6.63 | dBuV/m 74.00 54.00 | dB -27.37 | peak | |



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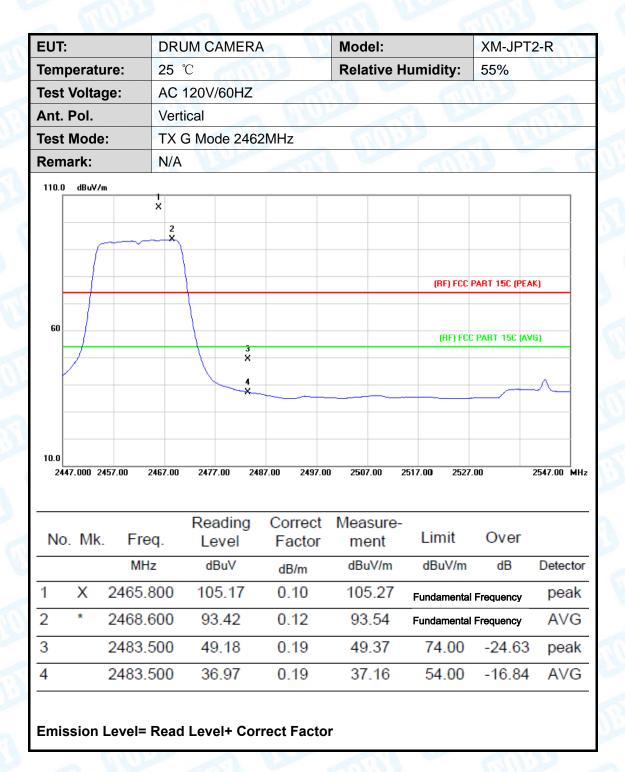
| EUT: | DRUM CAMERA | Model: | XM-JPT2-R |
|---------------|-------------------|--------------------|-----------|
| Temperature: | 25 ℃ | Relative Humidity: | 55% |
| Test Voltage: | AC 120V/60HZ | | |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX G Mode 2462MHz | MILLOR | |
| Remark: | N/A | | 193 |



| No | . Mk. | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|----|-------|----------|------------------|-------------------|------------------|------------|-------------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | X | 2457.200 | 100.01 | 0.06 | 100.07 | Fundamenta | I Frequency | peak |
| 2 | * | 2468.700 | 88.38 | 0.12 | 88.50 | Fundamenta | I Frequency | AVG |
| 3 | | 2483.500 | 46.70 | 0.19 | 46.89 | 74.00 | -27.11 | peak |
| 4 | | 2483.500 | 34.79 | 0.19 | 34.98 | 54.00 | -19.02 | AVG |



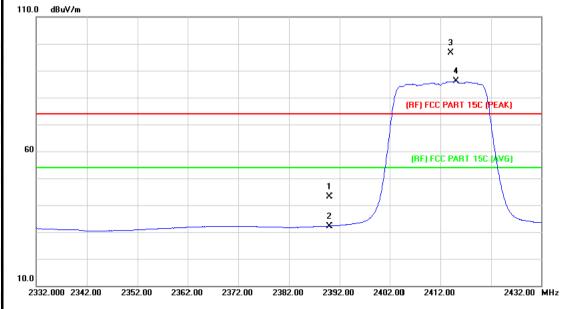
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| | | A(1:33) | WILL STREET | | | | | |
|---------------|------------------------------|---------|-------------|--|--|--|--|--|
| EUT: | DRUM CAMERA | Model: | XM-JPT2-R | | | | | |
| Temperature: | 25 °C Relative Humidity: 55% | | | | | | | |
| Test Voltage: | AC 120V/60HZ | | 11:33 | | | | | |
| Ant. Pol. | Horizontal | | | | | | | |
| Test Mode: | TX N(HT20) Mode 2412MHz | | | | | | | |
| Remark: | N/A | | 3.5 | | | | | |
| 110.0 dBuV/m | | | | | | | | |
| | | | | | | | | |
| | | | 3 X | | | | | |
| | | | 4 | | | | | |



| No. | . Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|------|----------|------------------|-------------------|------------------|-------------|-----------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 2390.000 | 43.40 | -0.27 | 43.13 | 74.00 | -30.87 | peak |
| 2 | | 2390.000 | 32.50 | -0.27 | 32.23 | 54.00 | -21.77 | AVG |
| 3 | X | 2414.100 | 96.90 | -0.16 | 96.74 | Fundamental | Frequency | peak |
| 4 | * | 2415.200 | 86.23 | -0.15 | 86.08 | Fundamental | Frequency | AVG |



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| est \ .nt. F | Mode | je: | 25 °C | | 111 | | В | -1-4! | | | E | -0/ | | |
|-----------------|--------------|----------|---------|-------|--------|-----------|------|----------------------|--------|----------|---------|--------------|--------|-----------|
| nt. Fest I | Pol. Mode | | AC 1 | 201// | | | | Relative Humidity: 5 | | | 50 | 55% | | |
| est l Rema | Mode | | | 20V/ | 60HZ | | 5 | W. | | 6 | M | 339 | | |
| Rema | | | Verti | cal | | I W | | | | | | | | 3 |
| | rk: | | TXN | I(HT2 | 20) Mo | de 2412 | ИHz | 1 | 11/12 | 1 | | 1/1/1 | | |
| 10.0 | | | N/A | | | | | A | | | M | 31 | | |
| | dBuV/m | | | | | | | | | | | | | |
| | | | | | | | | | | | | 4 | | |
| | | | | | | | | | | | | × | | |
| | | | | | | | | | | | | × × | | |
| | | | | | | | | | | (DD) E | CC DAD | IT 15C (PEAK | | |
| | | | | | | | | | | (nij r | CC FAN | TOC (FEAK | 1 | |
| 60 | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | (RF) | FCC PA | RT 15C (AVG |) | |
| | | | | | | | | | 1 X | | | | + | |
| | | | | | | | | | 2 | | | | - | |
| | - | <u> </u> | | | | | | | _× | | | | | |
| | | | | | | | | | | | | | | |
| 10.0 | | | | | | | | | | | | | | |
| | .000 23 | 37.00 | 2347.00 | 2357. | 00 23 | 67.00 237 | 7.00 | 2387 | .00 2 | 397.00 2 | 107.00 | 2 | 427.00 | .l MHz |
| | | | | | | | | | | | | | | |
| | | | | Rea | ading | Corre | ct | Mea | sure- | | | | | |
| No | . Mk | . Fr | eq. | | evel | Facto | | | ent | Limit | | Over | | |
| | | М | Hz | dl | BuV | dB/m | | dBı | uV/m | dBuV | /m | dB | Dete | cto |
| 1 | | 2390 | 0.000 | 48 | 3.59 | -0.27 | , | 48 | 3.32 | 74.0 | 0 | -25.68 | pe | ak |
| 2 | | 2390 | 0.000 | 33 | 3.98 | -0.27 | , | 33 | 3.71 | 54.0 | 0 | -20.29 | A۱ | /G |
| 3 | * | 2413 | 3.400 | 89 |).44 | -0.16 |) | 89 |).28 | Fundame | ental F | requency | A۱ | /G |
| 4 | Χ | 2413 | 3.700 | 10 | 0.49 | -0.16 | 6 | 10 | 0.33 | Fundame | ental F | requency | pe | ak |
| | | | | | | | | | | | | | | _ |



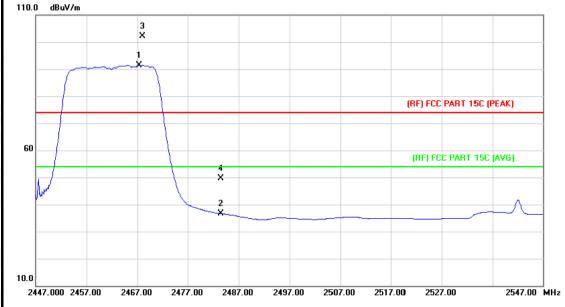
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| EUT: | | | DRU | M C | AMER | A | Mod | :let | | XM-JPT | 2-R | |
|-------|----------------------|----------------------|----------------|-----------------------|------------------------------|-----------------------------------|------------------------|---------------------|-------------------------------|----------------|---------------|----------|
| [em | peratui | e: | 25 °C | C | | 330 | Rela | ative H | lumidity: | 55% | | ď |
| Test | Voltag | e: | AC 1 | 20V | /60HZ | | 1130 | | 631 | 1133 | | |
| ۱nt. | Pol. | | Horiz | zonta | al | e all | | | | | | ١ |
| Test | Mode: | | TX N | 1(HT: | 20) Mc | de 2462M | Hz | 11/12 | | S W | A Property | |
| Rem | ark: | | N/A | | | - | 1 | 100 | | 13 | | I |
| 110.0 | dBuV/m | | | | | | | | | | | |
| | | | | 2 X | | | | | (RF) FCC | PART 15C (PEA | ıK) | |
| 60 | | | | | | 3 × | | | (RF) FCC | C PART 15C (AV | /G) | |
| | | | | | 2.00 24 | X 482.00 2492. | 00 250 | 02.00 2 | 2512.00 2522 | .00 | 2542.00 h | . |
| | 12.000 245 | 2.00 2 | 462.00 | 2472 | 2. | | .00 230 | | 2022 | | | • |
| 244 | 12.000 245). Mk. | 2.00 2 Fre | | Rea | ading evel | Correct Factor | t Mea | asure- ent | | Over | | _ |
| 244 | | | q. | Rea Le | ading | Correct | t Mea | | | Over | Detect | |
| No. | o. Mk. | Fre | q. | Rea Le | ading evel | Correct Factor | t Mea m | ent | Limit | dB | Detect AV(| to |
| No. |). Mk. | Fre | q. z 300 | Rea Le | ading evel BuV | Correct Factor | t Mea m dB | ent uV/m | Limit dBuV/m | dB | | to |
| | ». Mk. | Fre MH: 2467.3 | q. z 300 | Rea Le da 86 | ading evel BuV 3.18 | Correct Factor dB/m 0.11 | t Mea m dB 86 | ent uV/m 6.29 | Limit dBuV/m Fundamenta | dB | AV(| to |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R |
|---------------|---------------------|--------------------|-----------|
| Temperature: | 25 ℃ | Relative Humidity: | 55% |
| Test Voltage: | AC 120V/60HZ | | |
| Ant. Pol. | Vertical | | |
| Test Mode: | TX N(HT20) Mode 246 | 62MHz | |
| Remark: | N/A | | 13.5 |
| 110.0 dBuV/m | | | |
| | 3 X | | |
| | 1 | | |



| No. | . Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|------|----------|------------------|-------------------|------------------|---------------|----------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 2467.300 | 91.36 | 0.11 | 91.47 | Fundamental F | requency | AVG |
| 2 | | 2483.500 | 36.48 | 0.19 | 36.67 | 54.00 | -17.33 | AVG |
| 3 | Χ | 2468.000 | 102.12 | 0.11 | 102.23 | Fundamental F | requency | peak |
| 4 | | 2483.500 | 49.42 | 0.19 | 49.61 | 74.00 | -24.39 | peak |



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| | | DRU | IM CAMER | Α | Model: | | XM-JPT2-R | | | | |
|----------|--|--|---|--|---|--|--|--------------------|--|--|--|
| | | 25 ° | C | | Relative | Humidity: | 55% | | | | |
| - | | | 20V/60HZ | | 88 0 | | | | | | |
| | | | Horizontal | | | | | | | | |
| Mode |) : | TXN | | | | | | | | | |
| nark: | | N/A | A Brief | | A Com | | 10.33 | | | | |
| dBuV/i | n | | | | | | | | | | |
| | | | | | ; | × | | | | | |
| | | | | | | - | DADT 1EC (DEA) | <u></u> | | | |
| | | | | | | (NF) FCC | PART TOG [FEA | N) | | | |
| | | | | | | | | | | | |
| | | | | | | (RF) FC | C PART 15C AV | G) | | | |
| | | | | | | | $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $ | | | | |
| | | | | | | | | home | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 52.000 2 | 362.00 2 | 372.00 | 2382.00 23 | 92.00 2402.00 | 0 2412.00 | 2422.00 2432 | 00 | 2452.00 MH | | | |
| o. Mk | . Fre | q. | Reading Level | Correct Factor | Measur ment | e- Limit | Over | | | | |
| | MH | Z | dBuV | dB/m | dBuV/n | n dBuV/m | dB | Detecto | | | |
| | 2390. | 000 | 43.99 | -0.27 | 43.72 | 74.00 | -30.28 | peak | | | |
| | | | 20.40 | -0.27 | 32.15 | 54.00 | -21.85 | AVG | | | |
| | 2390. | 000 | 32.42 | -0.21 | | | | | | | |
| * | 2390. 2416. | | 83.01 | -0.14 | 82.87 | Fundamenta | al Frequency | AVG | | | |
| | perati t Volta Pol. t Mode nark: | perature: t Voltage: Pol. t Mode: hark: dBuV/m | perature: 25 °C t Voltage: AC 1 . Pol. Horiz t Mode: TX N hark: N/A dBuV/m 52.000 2362.00 2372.00 D. Mk. Freq. MHz | AC 120V/60HZ AC 12 | t Voltage: AC 120V/60HZ Pol. Horizontal TX N(HT40) Mode 2422MH N/A dBuV/m 1 x 2 x 52.000 2362.00 2372.00 2382.00 2392.00 2402.00 D. Mk. Freq. Level Factor MHz dBuV dB/m | Relative t Voltage: AC 120V/60HZ Pol. Horizontal t Mode: TX N(HT40) Mode 2422MHz N/A dBuV/m 1 x 2 x Equation 1 x 1 x 2 x D. Mk. Freq. Level Factor ment MHz dBuV dB/m Relative Rel | Relative Humidity: t Voltage: AC 120V/60HZ Pol. Horizontal t Mode: TX N(HT40) Mode 2422MHz N/A dBuV/m (RF) FCC Relative Humidity: ### AC 120V/60HZ ## | Relative Humidity: | | | |



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| EUT | : | | DRUM CAMERA Model: | | | | XM-JPT | 2-R | | | | |
|--------------------|------------|----------|--------------------|-------------------------|-------------------|-----------------|--------------|----------------|------------|--|--|--|
| Tem | peratu | ire: | 25 ° | C | 30 | Relative | Humidity: | : 55% | | | | |
| Test | t Volta | ge: | AC 1 | 120V/60HZ | 100 | 80 6 | GIL | 1133 | | | | |
| Ant. Pol. Vertical | | | | | | | a v | | | | | |
| Test | t Mode | : | TXN | TX N(HT40) Mode 2422MHz | | | | | | | | |
| Ren | emark: N/A | | | | | | | | | | | |
| 110.0 |) dBuV/m | 1 | | | | | | | | | | |
| | | | | | | | 3 X 1 | | | | | |
| | | | | | | | (RF) FCC | PART 15C (PEA | K) | | | |
| 60 | | | | | | | (RF) FC | C PART 15C (AV | (G) | | | |
| | | | | | 4 X | √ | | | \ | | | |
| 10.0 | | | | | | | | | | | | |
| 23 | 847.000 23 | 57.00 23 | 367.00 | | 87.00 2397.00 | | 2417.00 2427 | .00 | 2447.00 MF | | | |
| No | o. Mk. | Free | q. | Reading Level | Correct Factor | Measure ment | Limit | Over | | | | |
| | | MHz | | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector | | | |
| 1 | * | 2415.1 | 00 | 86.40 | -0.15 | 86.25 | Fundamental | Frequency | AVG | | | |
| 2 | | 2390.0 | 000 | 34.15 | -0.27 | 33.88 | 54.00 | -20.12 | AVG | | | |
| | Х | 2416.8 | 00 | 96.66 | -0.14 | 96.52 | Fundamental | Frequency | peak | | | |
| 3 | | | | | | | | | | | | |



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| Temperature: 25 | | | | | Mode | el: | | XM-JPT2-R | | |
|-----------------|----------------------|------------------------------------|----------------|---------------------------------|------------------------|----------------|-----------------------------|---------------------|--------------------|------------|
| | | | | | Relat | ive Hu | midity: | 55% | | |
| | | | | | 186 | | Cal | | | |
| _ | | | | | | | | | | |
| Tes | t Mode: | - | TX N(F | HT40) Mo | de 2452M | Hz | 4/10 | 9 | 5 W | 1 leave |
| Ren | nark: | | N/A | 1300 | | A V | | | 13 | |
| 110.0 | dBuV/m | | | | | | | | | |
| | | | | | | | | | | |
| ŀ | | | 2 X | | | | | | | |
| ŀ | | | 1 | | | | | | | |
| ŀ | | | × | | _ | | | (DE) FCC | DADT 1EC (DEA | |
| | | | | | + | | | (HF) FCC | PART 15C (PEA | KJ |
| | | | | | | | | | | |
| 60 | | | | | | | | (RF) FC | C PART 15C (AV | G) |
| | | | | | - h | 3 X | | | | |
| , | \nearrow | | | | | 4 | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 10.0 | 27.000 2437 | | 7.00 2 | 2457.00 24 | 67.00 2477. | 00 248 | 7.00 24 | 497.00 2507 | 7.00 | 2527.00 MF |
| 24 | 27.000 2437 | .00 2447 | | | | | | | | |
| 24 | 27.000 2437 | 7.00 2447 | | | | | | | | |
| 24 | 27.000 2437 | 7.00 2447 | | Reading | Correct | Mea | sure- | | | |
| | o. Mk. | Freq | R | Reading Level | Correct Factor | | sure- ent | Limit | Over | |
| | | | R | | | me | | Limit dBuV/m | | Detecto |
| No | o. Mk. | Freq | R | Level | Factor | dBi | ent | dBuV/m | | Detecto |
| No 1 | o. Mk. | Freq. | | Level | Factor dB/m | dBi | ent uV/m | dBuV/m Fundament | dB | |
| No 1 2 | o. Mk. * 2 X 2 | Freq. MHz 2447.50 | | Level dBuV 82.93 | Factor dB/m 0.01 | 82 93 | ent uV/m 2.94 | dBuV/m Fundament | dB al Frequency | AVG |
| | * 2 X 2 | Freq. MHz 2447.50 2448.10 | 00 00 00 | Level dBuV 82.93 93.87 | 6B/m 0.01 0.01 | 82 93 45 | ent uV/m 2.94 3.88 | dBuV/m Fundament | dB al Frequency | AV(|



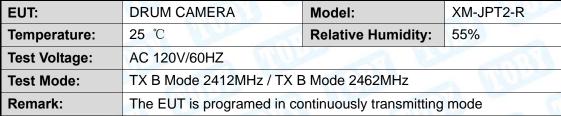
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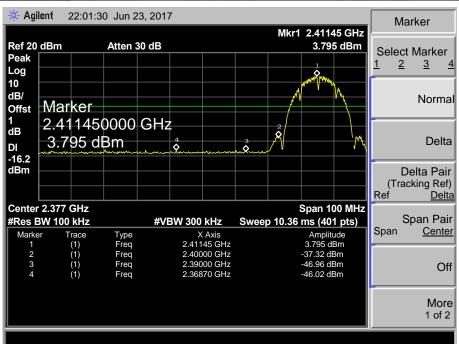
| Temperature: 25 | | JM CA | MERA | 4 | Mode | el: | | XM-JPT2-R | | | | |
|-----------------|---------------|---------|--------------------------|-------------------------|-------|--------------------|-------------|---------------|--------------|-----------------|--------------|--|
| | | 25 | 25 ℃ | | | Relat | ive Hu | umidity: | 55% | | | |
| | | AC | AC 120V/60HZ Vertical | | | D'ST. | | GU | 000 | | | |
| | | | | | | Vert | J. Carlotte | | | | | |
| Tes | t Mod | e: | TX | TX N(HT40) Mode 2452MHz | | | | | | | | |
| Rer | nark: | | N/A | W | | | 7 | | | 19 | | |
| 110. | 0 dBu∀/ | 'm | | | | | | | | | | |
| | | | | 2 | | | | | | | | |
| | | | | × | | | | | | | | |
| | | | | 1 X | | | | | | | | |
| | | | | V | | | | | | | | |
| | \vdash | | | | | | | | (RF) FCC | PART 15C (PEAK | 9 | |
| | | | | | | | | | | | | |
| 60 | | | | | | | | | (RF) FC | C PART 15C (AVC | ā) | |
| | $ \sqrt{} $ | | | | | η, | 3 3 | | | | | |
| | | | | | | | 4 | | | | | |
| | _ | | | | | | X | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 10.0 | 27.000 2 | 2427 00 | 2447.00 | 2457.0 | n 246 | 67.00 24 77 | NN 249 | 7.00 2 | 2497.00 2507 | 00 3 | 2527.00 MH | |
| 2. | 127.000 2 | .437.00 | 2447.00 | 2437.0 | 0 240 | 2477 | .00 240 | 7.00 2 | .437.00 2307 | .00 2 | :527.00 1411 | |
| | | | | Dara | J: | 0 | | | | | | |
| N | o. Mk | Fr | eq. | Read | | Correct Factor | | asure- ent | Limit | Over | | |
| | J. IVIII | | | | | | | | | | Detecto | |
| | | Mi | | dBı | | dB/m | | uV/m | dBuV/m | dB | Detecto | |
| 1 | * | 2455 | .000 | 87. | 50 | 0.05 | 87 | 7.55 | Fundamenta | al Frequency | AVG | |
| 2 | X | 2456 | .400 | 98. | 77 | 0.05 | 98 | 3.82 | Fundamenta | al Frequency | peak | |
| 3 | | 2483 | .500 | 48. | 53 | 0.19 | 48 | 3.72 | 74.00 | -25.28 | peak | |
| | | 2483 | 500 | 36. | 90 | 0.19 | 37 | 7.09 | 54.00 | -16.91 | AVG | |
| 4 | | | .000 | | | | | | | | | |

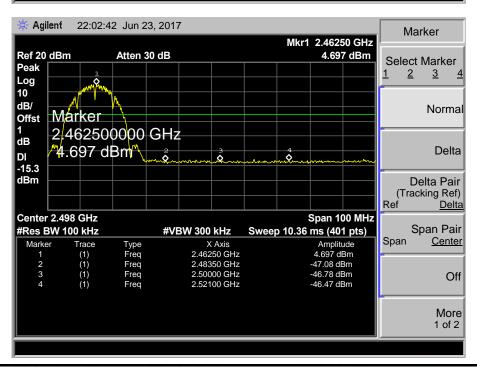


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(2) Conducted Test



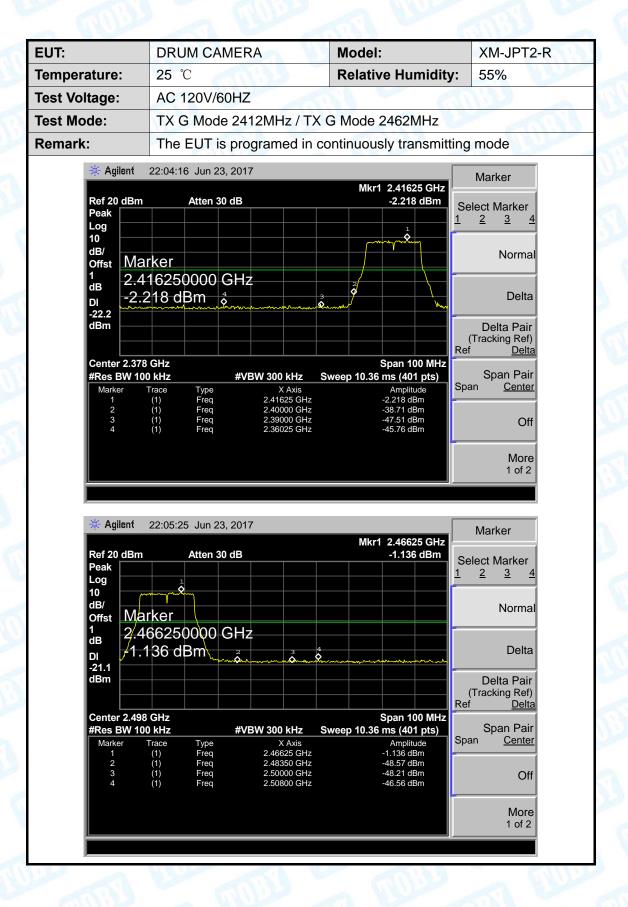


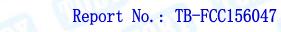




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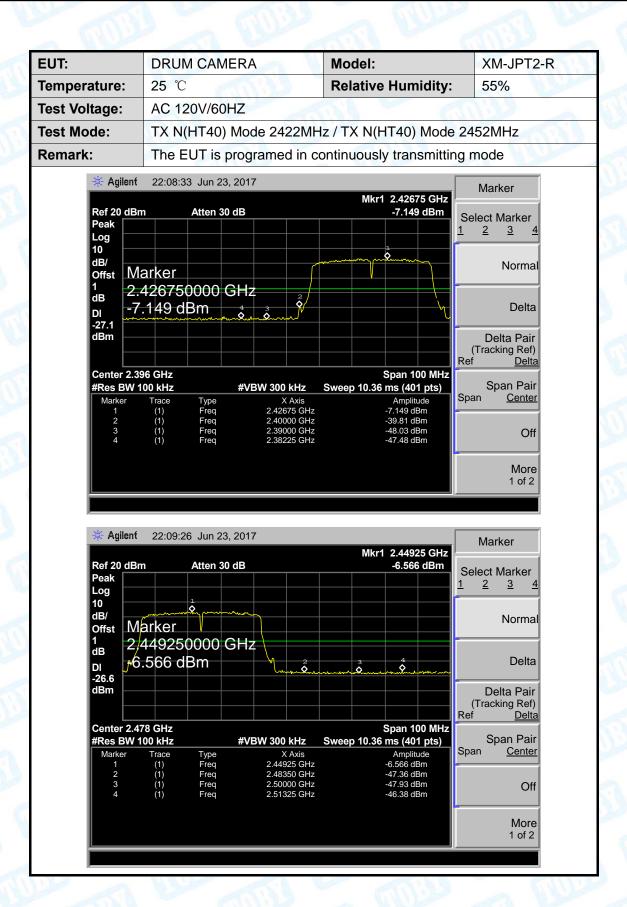


| | DF | RUM CAN | MERA | Model: | | XM-JPT2-R |
|--|--|---|--|---|---|--|
| Temperature: | | $^{\circ}$ C | Ulling | Relative Hui | midity: | 55% |
| Voltage: | AC | 2 120V/60 |)HZ | | GI | 11:30 |
| Mode: | TX | (N(HT20) |) Mode 2412 | MHz / TX N(HT20 |) Mode 2 | 462MHz |
| nark: | Th | e EUT is | nsmitting | mode | | |
| * Agile | ent 22: | 06:15 Jun 2 | 3, 2017 | | | Morker |
| | | | | Mkr1 2.41 | | Marker |
| Ref 20 c Peak Log 10 dB/ | | Atten 3 | U dis | -4,: | 56 dBm S | elect Marker 2 3 4 Normal |
| 1 dB DI -24.6 | | er 250000 5 dBm ∳ | GHz | | | Delta |
| | 2.377 GH W 100 kH | | #VBW 300 kH | • | 100 MHz | Delta Pair (Tracking Ref) of Delta Span Pair |
| Marker 1 2 3 4 | | e Type Freq | X Axi 2.41925 (2.40000 (2.39000 (2.35375 (| s Amp GHz -4.56 GHz -40.71 GHz -47.86 | dBm dBm | center Off |
| | (.) | | 2.30373 (| ∍Hz -46.69 | dBm | More |
| ∦ Agile | enf 22: | 07:34 Jun 2 | 3, 2017 | Mkr1 2.45 | 900 GHz | |
| Ref 20 | enf 22: | | 3, 2017 | Mkr1 2.45 | 900 GHz 54 dBm | More 1 of 2 Marker elect Marker |
| Ref 20 Peak Log 10 dB/ Offst | ent 22: | 07:34 Jun 2 | 3, 2017 50 dB | Mkr1 2.45 | 900 GHz | More 1 of 2 |
| Ref 20 Peak Log 10 dB/ Offst 1 | dBm Marke 2,459 | 07:34 Jun 2 | 3, 2017 50 dB | Mkr1 2.45 -3.1 | 900 GHz 54 dBm | More 1 of 2 Marker elect Marker 2 3 4 |
| Ref 20 Peak Log 10 dB/ Offst 1 dB DI -23.2 dBm | ent 22: dBm Marke 2,459 -3.154 | 07:34 Jun 2 Atten 3 er 000000 4 dBm | 3, 2017 30 dB GHz \$\displaystyle{\displaysty | Mkr1 2.45 -3.1 | 900 GHz 54 dBm S 1 100 MHz 01 pts) | More 1 of 2 Marker elect Marker 2 3 4 Normal Delta Delta Pair (Tracking Ref) of Delta Span Pair |
| Ref 20 Peak Log 10 dB/ Offst 1 dB DI -23.2 dBm | ent 22: dBm Marke 2,459 -3.154 | 07:34 Jun 2 Atten 3 er 000000 4 dBm | 3, 2017 60 dB GHz | Span Syan Sweep 10.36 ms (4) Shz -3.154 SHz -47.41 SHz -47.46 | 900 GHz 54 dBm S 1 100 MHz 101 pts) litude dBm dBm dBm | More 1 of 2 Marker elect Marker 2 3 4 Normal Delta Delta Pair (Tracking Ref) of Delta |





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7. Bandwidth Test

7.1 Test Standard and Limit

7.1.1 Test Standard FCC Part 15.247 (a)(2)

7.1.2 Test Limit

| FCC P | FCC Part 15 Subpart C(15.247)/RSS-210 | | | | | | |
|-----------|---------------------------------------|----------------------|--|--|--|--|--|
| Test Item | Limit | Frequency Range(MHz) | | | | | |
| Bandwidth | >=500 KHz (6dB bandwidth) | 2400~2483.5 | | | | | |

7.2 Test Setup



7.3 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst –case (i.e the widest) bandwidth.
- (3)Measure the channel separation the spectrum analyzer was set to Resolution Bandwidth:100 kHz, and Video Bandwidth:300 kHz, Detector: Peak, Sweep Time set auto.

7.4 EUT Operating Condition

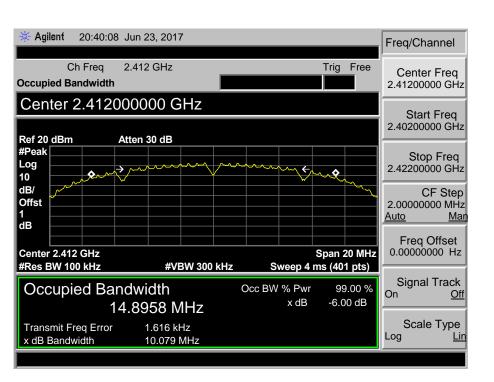
The EUT was set to continuously transmitting in each mode and low, Digital photo framesdle and high channel for the test.



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7.5 Test Data

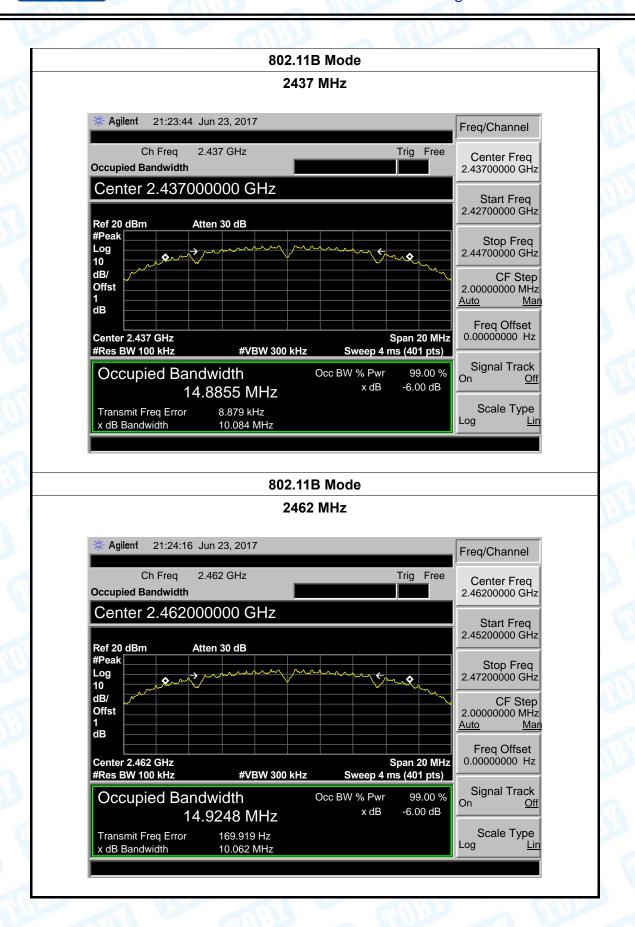
| EUT: | DRUM CAMERA | AMERA Model: | | |
|-------------------|-----------------|--------------------|-------|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | |
| Test Voltage: | AC 120V/60HZ | | | |
| Test Mode: | TX 802.11B Mode | A THURSDAY | 0 | |
| Channel frequence | y 6dB Bandwidth | 99% Bandwidth | Limit | |
| (MHz) | (MHz) | (MHz) | (MHz) | |
| 2412 | 10.079 | 14.8958 | | |
| 2437 | 10.084 | 14.8855 | >=0.5 | |
| 2462 | 10.062 | 14.9248 | | |
| | 802.11 | B Mode | | |
| | 2412 | 2 MHz | | |
| | | | | |





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Scale Type Log

| EUT: | DRUM CAMERA Model: | | | | | | |
|-----------------------------|---|---------------------------------------|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | | N.D. | | | | | |
| Test Mode: | st Mode: TX 802.11G Mode | | | | | | |
| Channel frequen | annel frequency 6dB Bandwidth | | Limit | | | | |
| (MHz) | (MHz) (MHz) (MHz) | | | | | | |
| 2412 | 16.603 | 16.4408 | | | | | |
| 2437 | 16.542 | 16.4347 | >=0.5 | | | | |
| 2462 | 16.534 | 16.4325 | | | | | |
| - | 802.110 | G Mode | | | | | |
| Cr Occupied Ba | n Freq 2.412 GHz ndwidth | Trig Free | Center Freq 41200000 GHz | | | | |
| Center 2 | 2.412000000 GHz | 2.3 | Start Freq 39700000 GHz | | | | |
| #Peak Log 10 Stop 2.427000 | | | | | | | |
| dB/ Offst 1 dB | April 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 3. | CF Step 00000000 MHz to <u>Man</u> | | | | |
| Center 2.412 #Res BW 100 | | Span 30 MHz Sweep 4 ms (401 pts) | Freq Offset 000000000 Hz | | | | |
| Occupie | ed Bandwidth 16.4408 MHz | Occ BW % Pwr 99.00 % On x dB -6.00 dB | Signal Track Off | | | | |

16.4408 MHz

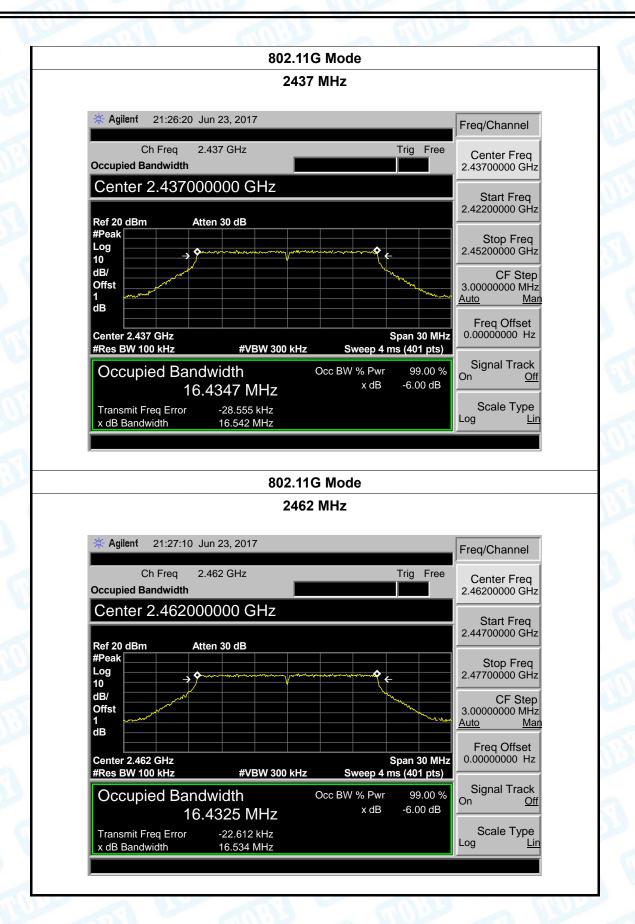
-31.884 kHz 16.603 MHz

Transmit Freq Error x dB Bandwidth



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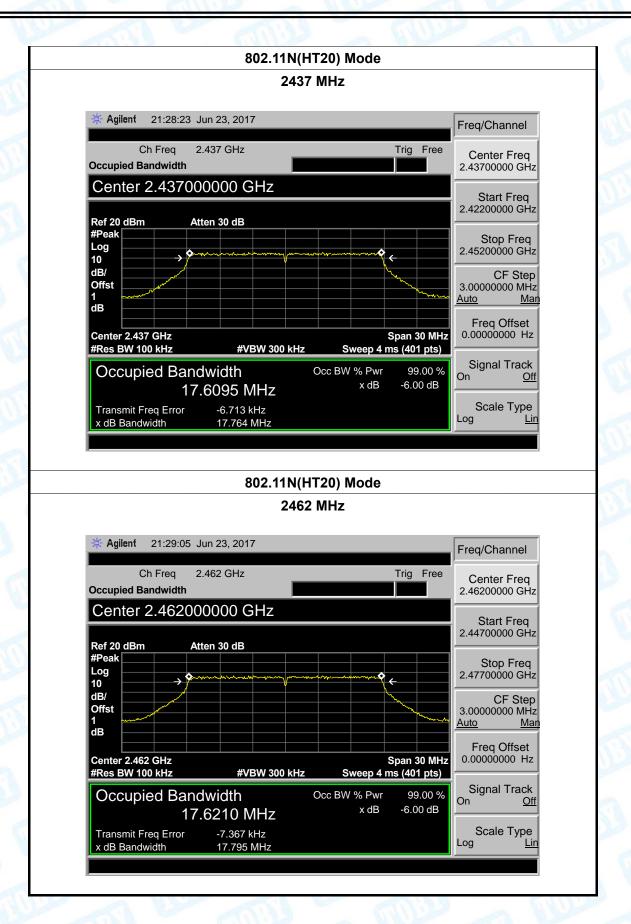
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| T: | DRUM CAMERA | Model: | XM-JPT2-R |
|--|---|--|--|
| mperature: | 25 ℃ | Relative Humidity: | 55% |
| st Voltage: | AC 120V/60HZ | | 1133 |
| st Mode: | TX 802.11N(HT20) Mode | Э | |
| annel frequen | cy 6dB Bandwidth | 99% Bandwidth | Limit |
| (MHz) | (MHz) | (MHz) | (MHz) |
| 2412 | 17.765 | 17.6112 | |
| 2437 | 17.764 | 17.6095 | >=0.5 |
| 2462 | 17.795 | 17.6210 | |
| | 802.11N(H | IT20) Mode | |
| | 2412 | ? MHz | |
| Cr Occupied Ba | | Trig Free | eq/Channel Center Freq 41200000 GHz |
| Cr Occupied Ba | n Freq 2.412 GHz | Trig Free 2. | Center Freq |
| Center 2 Ref 20 dBm #Peak Log | n Freq 2.412 GHz | Trig Free 2. | Center Freq 41200000 GHz |
| Center 2 Ref 20 dBm #Peak Log 10 dB/ Offst 1 | 2.412 GHz ndwidth 2.412000000 GHz | Trig Free 2. | Center Freq 41200000 GHz Start Freq 39700000 GHz Stop Freq 42700000 GHz CF Step 00000000 MHz |
| Conter 2 Ref 20 dBm #Peak Log 10 dB/ Offst 1 dB Center 2.412 | 2.412 GHz ndwidth 2.412000000 GHz Atten 30 dB | Trig Free 2. 2. 2. 3. Au Span 30 MHz | Center Freq 41200000 GHz Start Freq 39700000 GHz Stop Freq 42700000 GHz CF Step 00000000 MHz |
| Center 2 Ref 20 dBm #Peak Log 10 dB/ Offst 1 dB Center 2.412 #Res BW 100 | 2.412 GHz ndwidth 2.412000000 GHz Atten 30 dB | Trig Free 2. 2. 2. Span 30 MHz Sweep 4 ms (401 pts) | Center Freq 41200000 GHz Start Freq 39700000 GHz Stop Freq 42700000 GHz CF Step 00000000 MHz to Man Freq Offset .00000000 Hz Signal Track |



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| EUT: | DRUM CAMERA | Model: | XM-JPT2-R |
|----------------------------------|-----------------------|-------------------|---|
| Temperature: | 25 ℃ | Relative Humidity | : 55% |
| Test Voltage: | AC 120V/60HZ | OHUL | - 10 W |
| Test Mode: | TX 802.11N(HT40) Mo | mn 3 | |
| Channel frequer | cy 6dB Bandwidth | 99% Bandwidth | Limit |
| (MHz) | (MHz) | (MHz) | (MHz) |
| 2422 | 36.303 | 35.7946 | |
| 2437 | 36.328 | 35.8091 | >=0.5 |
| 2452 | 36.327 | 35.8069 | |
| | 802.11N(| HT40) Mode | ' |
| | 242 | 22 MHz | |
| * Agilent | 21:29:42 Jun 23, 2017 | | Freq/Channel |
| | th Freq 2.422 GHz | Trig Free | |
| Occupied B | _ | Thig Tiee | Center Freq 2.42200000 GHz |
| Center | 2.422000000 GHz | | 0 |
| | | | Start Freq 2.39700000 GHz |
| Ref 20 dBm #Peak Log 10 | Atten 30 dB | * | Stop Freq 2.44700000 GHz |
| dB/ Offst 1 | | W. | CF Step 5.00000000 MHz <u>Auto</u> <u>Man</u> |
| Center 2.42 | | Span 50 MHz | Freq Offset 0.00000000 Hz |
| #Res BW 10 | | | Signal Track |

x dB

Scale Type

Log

Transmit Freq Error x dB Bandwidth

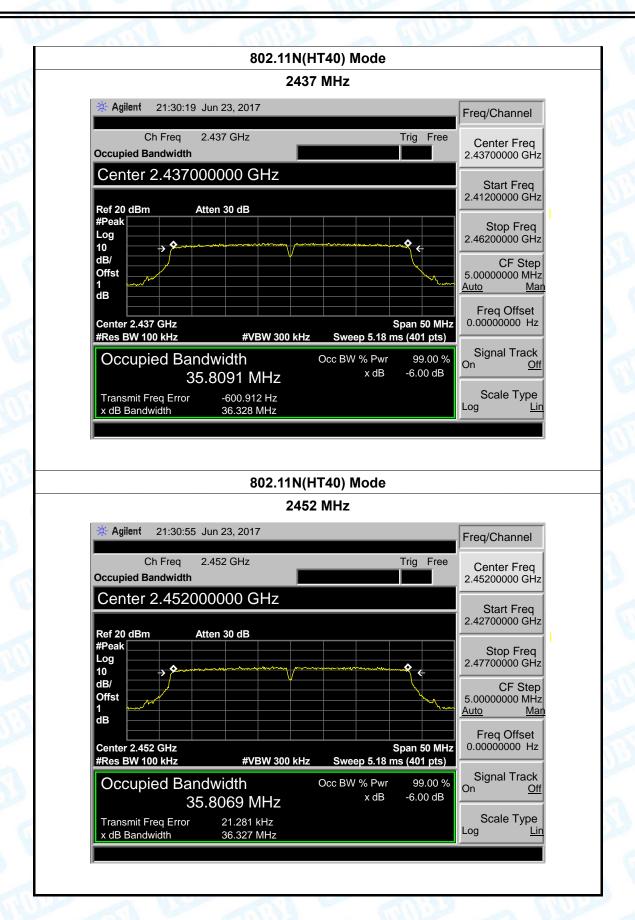
35.7946 MHz

15.446 kHz 36.303 MHz



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8. Peak Output Power Test

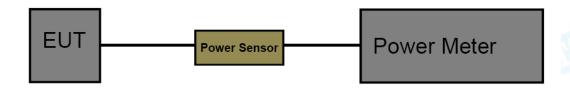
8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)

8.1.2 Test Limit

| FCC Part 15 Subpart C(15.247)/RSS-210 | | | | | |
|---------------------------------------|------------------|-------------|--|--|--|
| Test Item Limit Frequency Range(MHz | | | | | |
| Peak Output Power | 1 Watt or 30 dBm | 2400~2483.5 | | | |

8.2 Test Setup



8.3 Test Procedure

The measurement is according to section 9.1.2 of KDB 558074 D01 DTS Meas Guidance v04. The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater than or equal to the DTS bandwidth of the equipment.

8.4 EUT Operating Condition

The EUT was set to continuously transmitting in the max power during the test.



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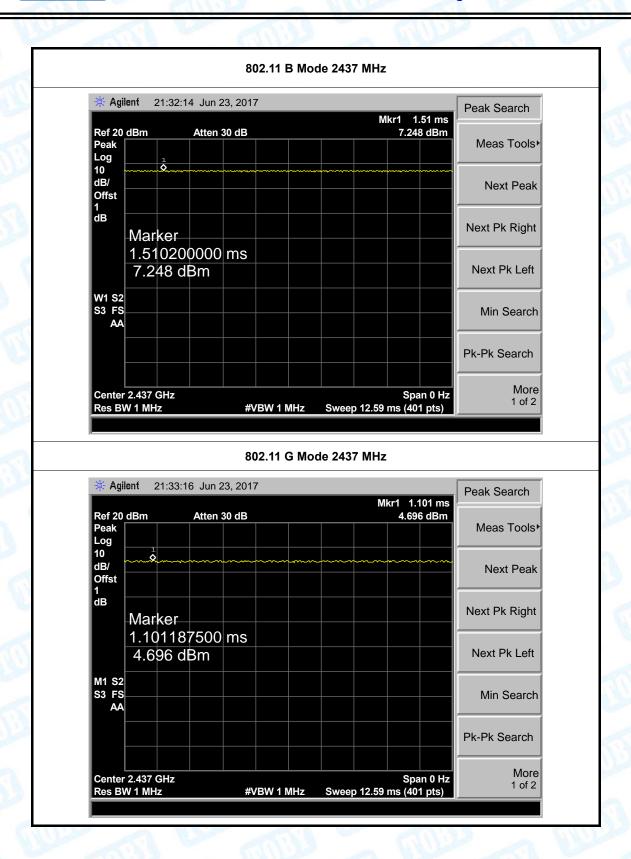
8.5 Test Data

| EUT: | DRUM CAMERA | Model: | XM-JPT2-R |
|---------------|----------------------------|--------------------|-------------|
| Temperature: | 25 ℃ | Relative Humidity: | 55% |
| Test Voltage: | AC 120V/60HZ | | |
| Mode | Channel frequency (MHz) | Test Result (dBm) | Limit (dBm) |
| | 2412 | 16.78 | |
| 802.11b | 2437 | 17.12 | |
| | 2462 | 17.57 | |
| | 2412 | 16.67 | |
| 802.11g | 2437 | 17.35 | |
| | 2462 | 17.57 | 30 |
| 802.11n | 2412 | 14.97 | 30 |
| (HT20) | 2437 | 16.02 | |
| (11120) | 2462 | 16.55 | |
| 802.11n | 2422 | 14.77 | |
| (HT40) | 2437 | 15.05 | |
| (11170) | 2452 | 15.42 | |
| | Resu | ult: PASS | |

| Duty Cycle | | | | |
|-------------------------|---|--|--|--|
| Channel frequency (MHz) | Test Result | | | |
| 2412 | | | | |
| 2437 | | | | |
| 2462 | | | | |
| 2412 | | | | |
| 2437 | | | | |
| 2462 | >000/ | | | |
| 2412 | >98% | | | |
| 2437 | | | | |
| 2462 | | | | |
| 2422 | | | | |
| 2437 | | | | |
| 2452 | | | | |
| | Channel frequency (MHz) 2412 2437 2462 2412 2437 2462 2412 2437 2462 2422 2437 | | | |

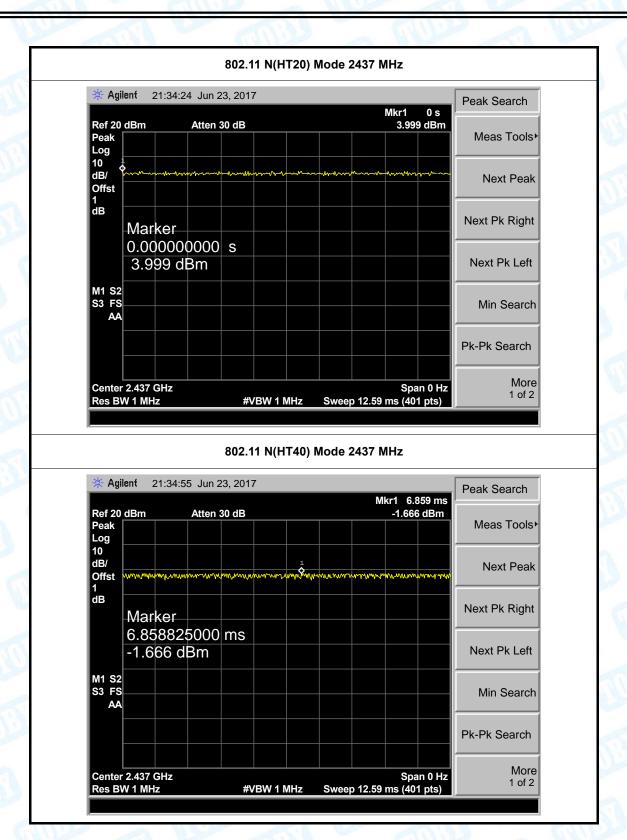


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9. Power Spectral Density Test

9.1 Test Standard and Limit

9.1.1 Test Standard FCC Part 15.247 (e)

9.1.2 Test Limit

| FCC Part 15 Subpart C(15.247) | | | | |
|-------------------------------------|-------------|--|--|--|
| Test Item Limit Frequency Range(MHz | | | | |
| Power Spectral Density | 2400~2483.5 | | | |

9.2 Test Setup



9.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v04.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser center frequency to DTS channel center frequency.
- (3) Set the span to 1.5 times the DTS bandwidth.
- (4) Set the RBW to: 3 kHz(5) Set the VBW to: 10 kHz
- (6) Detector: peak(7) Sweep time: auto
- (8) Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

9.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Digital photo framesdle and high channel for the test.



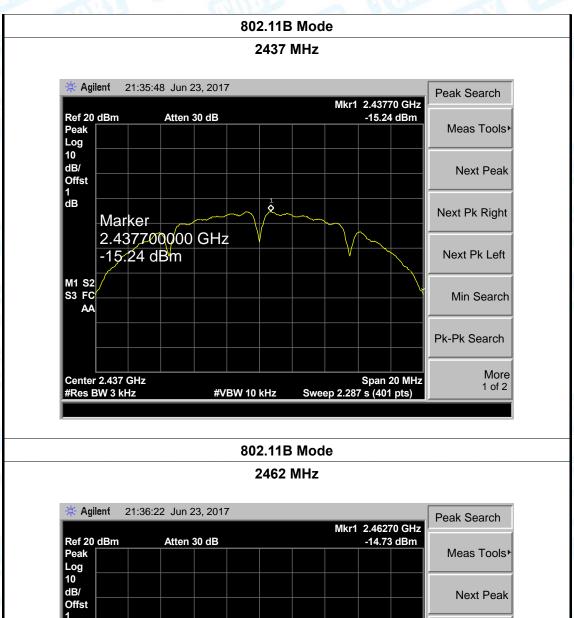
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9.5 Test Data

| T: | DRUM CA | MERA | Model: | XM-JPT2-R | |
|---|------------------|---------|---------------------|--|--|
| nperature: | 25 ℃ | | Relative Humidity: | 55% | |
| st Voltage: | AC 120V/6 | 630 | | | |
| st Mode: | TX 802.11 | B Mode | THE PERSON NAMED IN | | |
| Channel Frequency | uency | Power I | Density | Limit | |
| (MHz) | | (dBm/ | 3 kHz) | (dBm) | |
| 2412 | | -15. | .79 | | |
| 2437 | | -15. | .24 | 8 | |
| 2462 | | -14. | .73 | | |
| | | 802.11E | B Mode | | |
| | | 2412 | MHz | | |
| * Agilent | 21:35:22 Jun 2 | 3, 2017 | Mkr1 2.41265 GHz | Peak Search | |
| II | | | | | |
| Ref 20 dBm Peak Log | Atten 3 | 30 dB | -15.79 dBm | Meas Tools▶ | |
| Peak | Atten 3 | 0 dB | -15.79 dBm | Meas Tools [*] Next Peak | |
| Peak Log 10 dB/ Offst 1 dB | rker ~ | 1 | -15.79 dBm | | |
| Peak Log 10 dB/ Offst 1 dB Mai 2.4 | | 1 | -15.79 dBm | Next Peak | |
| Peak Log 10 dB/ Offst 1 dB Mai 2.4 | rker 12650000 | 1 | -15.79 dBm | Next Peak Next Pk Right | |
| Peak Log 10 dB/ Offst 1 dB Mai 2.4 -15 | rker 12650000 | 1 | -15.79 dBm | Next Peak Next Pk Right Next Pk Left | |



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Center 2.412 GHz #Res BW 3 kHz Report No.: TB-FCC156047

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Pk-Pk Search

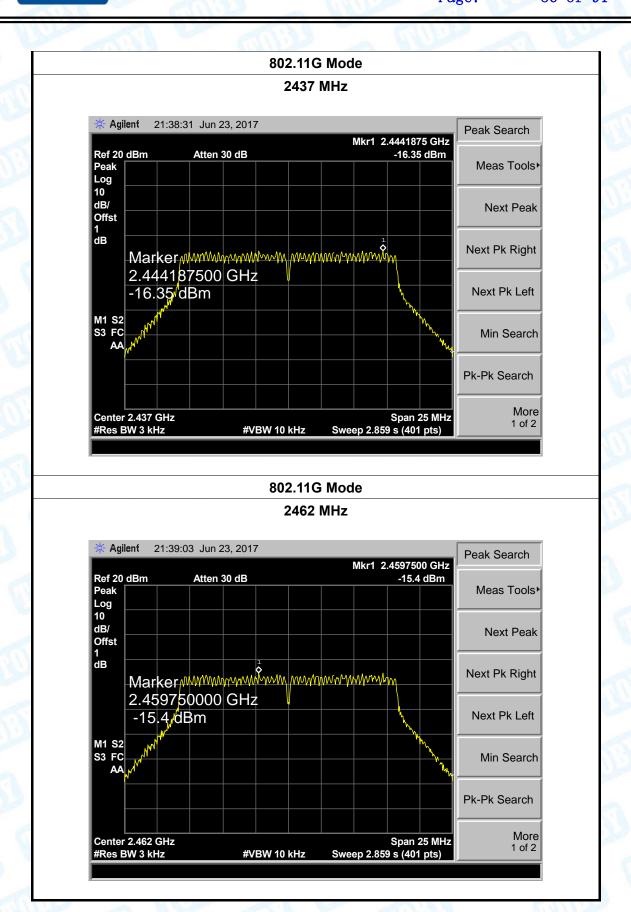
Span 25 MHz Sweep 2.859 s (401 pts) More 1 of 2

| EUT: | DRUM CA | AMERA | Model: | | XM-JPT2-R | |
|---------------------------|-----------------------|---------------------|-------------|----------|---------------|--|
| Temperature: | 25 ℃ | an'il | Tempera | ture: | 25 ℃ | |
| Test Voltage: | AC 120V/ | 60HZ | 501 | G | MASS | |
| Test Mode: | TX 802.11 | TX 802.11G Mode | | | | |
| Channel Fre | quency | uency Power Density | | | Limit | |
| (MHz) | | (dBm | /3 kHz) | | (dBm) | |
| 2412 | | -1 | 6.86 | | | |
| 2437 | | -1 | 6.35 | | 8 | |
| 2462 | | -1 | 5.40 | | | |
| | | 802.11 | G Mode | <u>I</u> | | |
| | | 241 | 2 MHz | | | |
| * Agilent | 21:37:53 Jun 2 | 23, 2017 | Mkr1 2.4191 | | Peak Search | |
| Ref 20 dBn Peak Log | n Atten | 30 dB | -16. | .86 dBm | Meas Tools | |
| dB/ Offst | | | | | Next Peak | |
| dB M | arker _{///} | nymhwyn my GHz | MWWWWWWWW | | Next Pk Right | |
| -1 | 419187500 6.86/dBm | GHZ | I | | Next Pk Left | |
| M1 S2 S3 FC | PL _{MA} | | | M. | | |

#VBW 10 kHz



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Next Pk Left

Min Search

More 1 of 2

Pk-Pk Search

Span 26 MHz Sweep 2.973 s (401 pts)

#VBW 10 kHz

| EUT: | DRUM | / CAMERA | M | odel | | XM-JPT2-R | |
|--------------------|---------------|--|-----------|---------------|---------------------------|-------------------------|--|
| Temperature | : 25 ℃ | TOTAL S | To | Temperature: | | 25 ℃ | |
| Test Voltage: | AC 12 | AC 120V/60HZ | | | - 6 | aniss | |
| Test Mode: | TX 80 | TX 802.11N(HT20) Mode | | | | | |
| Channel I | Frequency | Pov | ver Densi | ty | | Limit | |
| (M | Hz) | (dl | Bm/3 kHz |) | | (dBm) | |
| 24 | 12 | | -17.70 | | | | |
| 24 | 37 | | -17.46 | | | 8 | |
| 24 | 62 | | -16.98 | | | | |
| | | 802.11 | N(HT20) I | /lode | <u>'</u> | | |
| | | 2 | 412 MHz | | | | |
| * Agi | lent 21:39:37 | Jun 23, 2017 | | | | Peak Search | |
| Ref 20 | dBm A | Atten 30 dB | | Mkr1 | 2.418500 GHz -17.7 dBm | | |
| Peak Log | | | | | | Meas Tools [▶] | |
| 10 dB/ Offst | | | | | | Next Peak | |
| 1 dB | Marker, | MAAAM AAAAAA MAAAAA | Manny | 1 MM H-VVM | DAM a | Next Pk Right | |
| | 2.418500 | ////////////////////////////////////// | 1.40.4.0 | יעיי, | YVV | Nove Division | |

-17.7/dBm

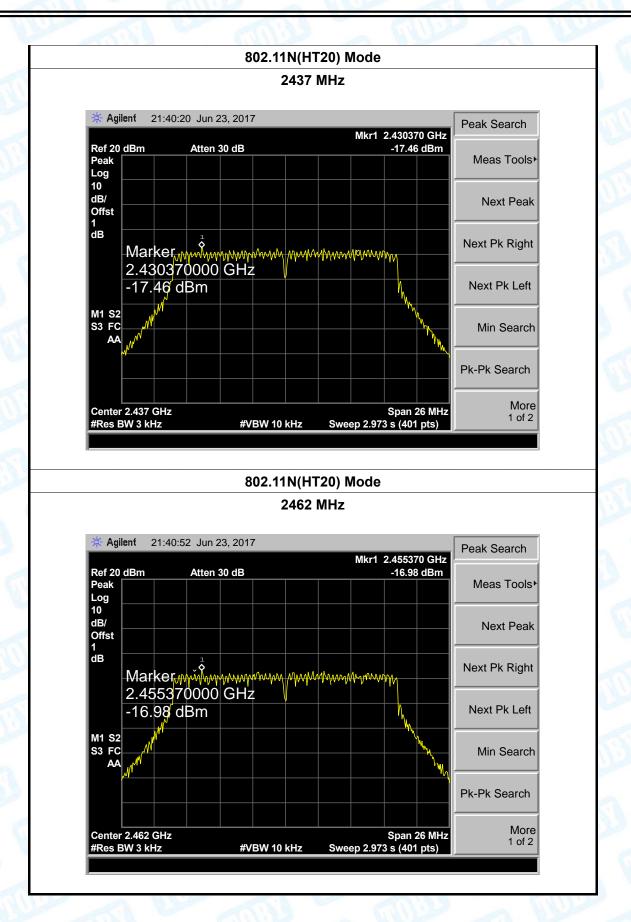
M1 S2 S3 FC AA

Center 2.412 GHz #Res BW 3 kHz



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M1 S2 S3 FC AA

Center 2.422 GHz #Res BW 3 kHz Report No.: TB-FCC156047

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Min Search

More 1 of 2

Pk-Pk Search

Span 55 MHz Sweep 6.29 s (401 pts)

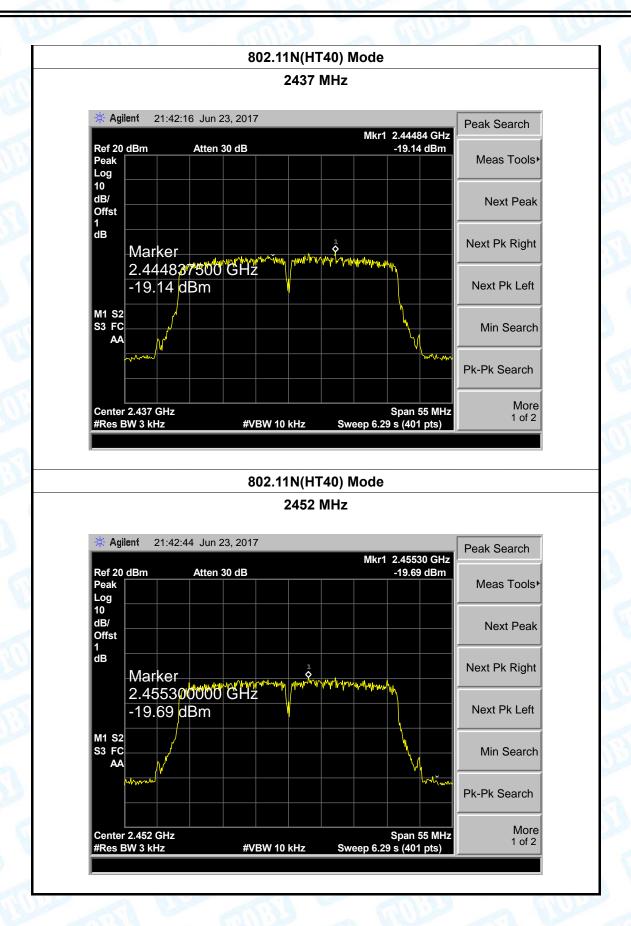
| EUT: | DRUMC | DRUM CAMERA | | del: | XM-JPT2-R |
|------------------------------------|----------|---------------------------|--------------------------------------|-------------------------------|-------------|
| Temperature: | | 7 UVILIO (| | mperature: | 25 °C |
| Test Voltage: | AC 120V | //60HZ | | | |
| Test Mode: | | TX 802.11N(HT40) Mode | | | ann's |
| Channel F | requency | | er Density | | Limit |
| (M) | Hz) | (dE | m/3 kHz) | | (dBm) |
| 24 | 22 | | -19.89 | | |
| 24 | 37 | | -19.14 | | 8 |
| 24 | 52 | | -19.69 | | |
| | | 802.111 | I(HT40) Mo | do | |
| | | | ·(· · · · · o / · · · · · | ue | |
| | | | 122 MHz | ue | |
| ※ Agil | | 24, 23, 2017 | 122 MHz | lkr1 2.41856 GH | |
| Ref 20 Peak Log | | 24 | 122 MHz | | z |
| Ref 20 Peak | | 24, 23, 2017 | 122 MHz | lkr1 2.41856 GH | |
| Ref 20 Peak Log 10 dB/ | | 24 23, 2017 1 30 dB | 122 MHz | Ikr1 2.41856 GH -19.89 dBm | Meas Tools⊁ |

#VBW 10 kHz



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10. Antenna Requirement

10.1 Standard Requirement

10.1.1 Standard FCC Part 15.203

10.1.2 Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

10.2 Antenna Connected Construction

The directional gains of the antenna used for transmitting is 3dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

Result

The EUT antenna is a Internal Antenna. It complies with the standard requirement.

| | Antenna Type | |
|----|------------------------------------|---------|
| | ⊠Permanent attached antenna | EM) |
| 6 | Unique connector antenna | |
| 23 | ☐Professional installation antenna | Million |

----END OF REPORT----