

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC153920

1 of 76 Page:

FCC Radio Test Report FCC ID: 2AM52FN-PTC001

Original Grant

Report No. TB-FCC153920

Shenzhen Funi Digital Technology Co., Ltd **Applicant**

Equipment Under Test (EUT)

EUT Name PT WiFi Camera

Model No. FN-PTC001

Series Model No. FN-PTCXXX(X stands for 0~9,A~Z)

Brand Name Funi

Receipt Date 2017-06-20

2017-06-21 to 2017-06-30 **Test Date**

Issue Date 2017-07-01

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

Test Method ANSI C63.10: 2013

PASS Conclusions

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

Tel: +86 75526509301



Page: 2 of 76

Contents

| CON | NTENTS | 2 |
|-----|--|----|
| 1. | GENERAL INFORMATION ABOUT EUT | 4 |
| | 1.1 Client Information | 4 |
| | 1.2 General Description of EUT (Equipment Under Test) | 4 |
| | 1.3 Block Diagram Showing the Configuration of System Tested | |
| | 1.4 Description of Support Units | |
| | 1.5 Description of Test Mode | 6 |
| | 1.6 Description of Test Software Setting | 7 |
| | 1.7 Measurement Uncertainty | 7 |
| | 1.8 Test Facility | 8 |
| 2. | TEST SUMMARY | 9 |
| 3. | TEST EQUIPMENT | 10 |
| 4. | CONDUCTED EMISSION TEST | 11 |
| | 4.1 Test Standard and Limit | 11 |
| | 4.2 Test Setup | |
| | 4.3 Test Procedure | |
| | 4.4 EUT Operating Mode | 12 |
| | 4.5 Test Data | |
| 5. | RADIATED EMISSION TEST | 17 |
| | 5.1 Test Standard and Limit | 17 |
| | 5.2 Test Setup | |
| | 5.3 Test Procedure | |
| | 5.4 EUT Operating Condition | |
| | 5.5 Test Data | 20 |
| 6. | RESTRICTED BANDS REQUIREMENT | 41 |
| | 6.1 Test Standard and Limit | 41 |
| | 6.2 Test Setup | 41 |
| | 6.3 Test Procedure | 41 |
| | 6.4 EUT Operating Condition | 42 |
| | 6.5 Test Data | 42 |
| 7. | BANDWIDTH TEST | 58 |
| | 7.1 Test Standard and Limit | |
| | 7.2 Test Setup | |
| | 7.3 Test Procedure | 58 |
| | 7.4 EUT Operating Condition | 58 |
| | 7.5 Test Data | |
| 8. | PEAK OUTPUT POWER TEST | 65 |
| | 8.1 Test Standard and Limit | 65 |
| | 8.2 Test Setup | 65 |



Page: 3 of 76

| | 8.3 Test Procedure | 65 |
|-----|-------------------------------------|----|
| | 8.4 EUT Operating Condition | |
| | 8.5 Test Data | |
| 9. | POWER SPECTRAL DENSITY TEST | 69 |
| | 9.1 Test Standard and Limit | 69 |
| | 9.2 Test Setup | |
| | 9.3 Test Procedure | |
| | 9.4 EUT Operating Condition | 69 |
| | 9.5 Test Data | 70 |
| 10. | ANTENNA REQUIREMENT | 76 |
| | 10.1 Standard Requirement | 76 |
| | 10.2 Antenna Connected Construction | |



Page: 4 of 76

1. General Information about EUT

1.1 Client Information

Applicant: Shenzhen Funi Digital Technology Co., Ltd

Address : 401, 4/F, NO.28, Shi Jing Hong Yuan Technology Park, Fu Cheng Shi

Jing Road, Guan Lan Street, Long Hua New district, Shenzhen, China

Manufacturer : Shenzhen Funi Digital Technology Co., Ltd

Address: 401, 4/F, NO.28, Shi Jing Hong Yuan Technology Park, Fu Cheng Shi

Jing Road, Guan Lan Street, Long Hua New district, Shenzhen, China

1.2 General Description of EUT (Equipment Under Test)

| | _ | | | | |
|--|------------------|--|--|--|--|
| EUT Name | | PT WiFi Camera | | | |
| Models No. | | FN-PTC001, FN-PTCX | (XX(X stands for 0~9,A~Z) | | |
| Model Difference | • | | I in the same PCB layout interior structure and only difference is appearance and color. | | |
| | | Operation Frequency: | 802.11b/g/n(HT20): 2412MHz~2462MHz | | |
| | | Number of Channel: | 802.11b/g/n(HT20):11 channels see note(3) | | |
| TOWN THE THE PARTY OF THE PARTY | RF Output Power: | 802.11b: 18.06dBm 802.11g: 17.27dBm 802.11n (HT20):15.51dBm | | | |
| Product | | Antenna Gain: | 4.5dBi Integral Antenna | | |
| Description | 2 | Modulation Type: | 802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n: OFDM(BPSK,QPSK,16QAM, 64QAM) | | |
| | 3 | 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 by the Host System. DC Voltage Supply from AC/DC Adapter | | |
| Power Rating | 3 | Adapter Model: ETA-U90EWE Input: AC 100-240 V~50/60Hz—0.35 A Output: DC 5.0 V/2A | | | |
| 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.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



Page: 5 of 76

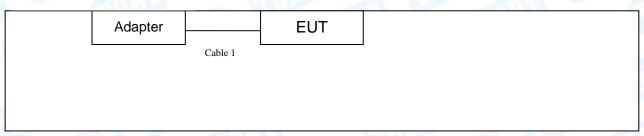
(3) Channel List:

| 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) | | | |

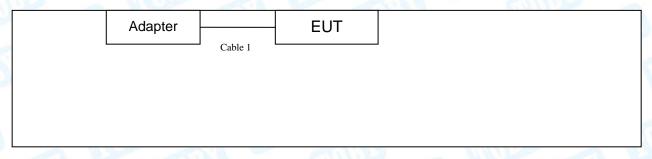
(4) The Antenna information about the equipment is provided by the applicant.

1.3 Block Diagram Showing the Configuration of System Tested

Normal Mode



TX Mode



1.4 Description of Support Units

| | E | Equipment Information | tion | |
|---------|---------------|-----------------------|--------------|----------|
| Name | Model | FCC ID/VOC | Manufacturer | Used "√" |
| | | 400 | | |
| | | Cable Information | | |
| Number | Shielded Type | Ferrite Core | Length | Note |
| Cable 1 | NO | NO | 1.2M | |



Page: 6 of 76

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 Mode 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 | | | |

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)

- (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.



Page: 7 of 76

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 | CATT. | 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 |

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 %.

| Test Item | Parameters | Expanded Uncertainty (U _{Lab}) |
|--------------------|-------------------|--|
| | Level Accuracy: | |
| Conducted Emission | 9kHz~150kHz | ±3.42 dB |
| | 150kHz to 30MHz | ±3.42 dB |
| Padiated Emission | Level Accuracy: | . 4 60 dB |
| Radiated Emission | 9kHz to 30 MHz | ±4.60 dB |
| Padiated Emission | Level Accuracy: | ±4.40 dB |
| Radiated Emission | 30MHz to 1000 MHz | ±4.40 dB |
| Radiated Emission | Level Accuracy: | ±4.20 dB |
| Radiated Emission | Above 1000MHz | ±4.20 dB |



Page: 8 of 76

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.



Page: 9 of 76

2. Test Summary

| Standa | rd Section | | | |
|----------------------|--------------------|--|----------|--------|
| FCC | IC | Test 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.



Page: 10 of 76

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 |



Page: 11 of 76

4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

4.1.2 Test Limit

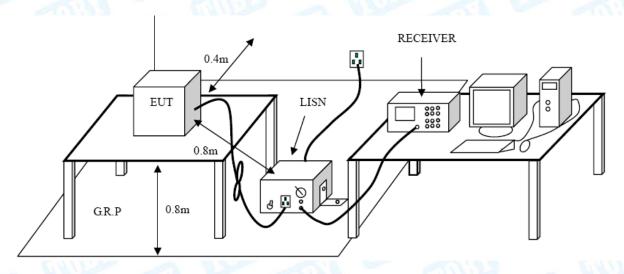
Conducted Emission Test Limit

| Transport (III) | 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.



Report No.: TB-FCC153920 Page: 12 of 76

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.



Page: 13 of 76



| EUT: | PT WiFi Camera | Mo | del Name : | | FN-PTC001 | | |
|---------------|--------------------|---|--------------------------|--|--|----------|--|
| Temperature: | 25 ℃ | Rel | ative Humid | lity: | 55% | Alle | |
| Test Voltage: | AC 120V/60Hz | | 118 | 60 | 4.50 | | |
| Terminal: | Line | a little | | 1 6 | | | |
| Test Mode: | Charging with T | X B Mode | WILL | | 1 N | | |
| Remark: | Only worse case | e is reported | | CITI | 35 | | |
| 90.0 dBuV | | | | | OD | | |
| | | | | | QP: AVG: | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| min | X | X May X | | A CONTRACTOR OF THE PARTY OF TH | NAME OF THE PERSON OF THE PERS | the over | |
| 40 | \mathcal{A}_{M} | √4}M _{4A} A/" ""~" | with white high property | whype | T. and | M. | |
| my Mon | | AAAAAAAA | Market Commencer | war flat | Mr. and Market | | |
| Q W | A L ALANA | A A M A A A A A A A A A A A A A A A A A | Minchel Induces | | | peal | |
| | | | | | | AVG | |
| | | | | | | | |
| | | | | | | | |
| 0.150 | 0.5 | (MHz) | 5 | | | 30.000 | |
| | Dandina | 0 | Managema | | | | |
| No. Mk. F | Reading req. Level | Correct Factor | Measure- ment | Limit | Over | | |
| | //Hz dBu√ | dB | dBu∨ | dBuV | dB | Detector | |
| 1 0.2 | 2100 12.19 | 10.02 | 22.21 | | -40.99 | QP | |
| | 2100 -1.95 | 10.02 | 8.07 | | -45.13 | AVG | |
| | | | | | -33.53 | QP | |
| | | 10.09 | 22.47 | | | | |
| | 3460 2.24 | 10.09 | 12.33 | | -33.67 | AVG | |
| | 380 22.11 | 10.06 | 32.17 | | -23.83 | QP | |
| 6 1.9 | 380 5.92 | 10.06 | 15.98 | 46.00 | -30.02 | AVG | |
| 7 * 2.5 | 940 24.22 | 10.04 | 34.26 | 56.00 | -21.74 | QP | |
| 8 2.5 | 9.83 | 10.04 | 19.87 | 46.00 | -26.13 | AVG | |
| 9 10.0 | 338 11.33 | 10.16 | 21.49 | 60.00 | -38.51 | QP | |
| 10 10.0 | 338 -3.11 | 10.16 | 7.05 | 50.00 | -42.95 | AVG | |
| | 018 22.03 | 10.21 | 32.24 | | -27.76 | QP | |
| | 6018 4.98 | 10.21 | 15.19 | | -34.81 | AVG | |
| | 1.00 | | 10.10 | | 001 | | |
| | | | | | | | |



Page: 14 of 76

| EUT: | PT WiFi Camera | Mo | odel Name : | | FN-PTC | 001 |
|----------------|--------------------|-------------------|---|----------------------|-------------|--|
| Temperature: | 25 ℃ | Re | lative Humic | lity: | 55% | Line. |
| Test Voltage: | AC 120V/60Hz | | | 63 | CEIN | |
| Terminal: | Neutral | diffe | | 1 | | MANUAL TO THE PARTY OF THE PART |
| Test Mode: | Charging with TX | B Mode | MINDS | | 1 W | |
| Remark: | Only worse case is | s reported | | | 391 | |
| 90.0 dBuV | | | | | | |
| -10 0.150 | 0.5 | (MHz) | Many Many Many Many Many Many Many Many | The way was a second | QP: AVG: | peak AVG |
| No. Mk. F | Reading req. Level | Correct Factor | Measure- ment | Limit | Over | |
| | 1Hz dBuV | dB | dBuV | dBuV | dB | Detector |
| 1 * 0.2 | 260 32.70 | 10.11 | 42.81 | 62.59 | -19.78 | QP |
| 2 0.2 | 260 13.34 | 10.11 | 23.45 | 52.59 | -29.14 | AVG |
| 3 0.6 | 540 10.79 | 10.02 | 20.81 | 56.00 | -35.19 | QP |
| 4 0.6 | 540 0.18 | 10.02 | 10.20 | 46.00 | -35.80 | AVG |
| 5 1.2 | 260 15.38 | 10.14 | 25.52 | 56.00 | -30.48 | QP |
| 6 1.2 | 260 5.34 | 10.14 | 15.48 | 46.00 | -30.52 | AVG |
| 7 1.7 | 460 22.19 | 10.09 | 32.28 | 56.00 | -23.72 | QP |
| 8 1.7 | 460 4.46 | 10.09 | 14.55 | 46.00 | -31.45 | AVG |
| 9 6.6 | 779 13.23 | 10.06 | 23.29 | 60.00 | -36.71 | QP |
| 10 6.6 | 779 4.19 | 10.06 | 14.25 | 50.00 | -35.75 | AVG |
| 11 20.3 | 940 28.94 | 10.06 | 39.00 | 60.00 | -21.00 | QP |
| 12 20.3 | 940 10.34 | 10.06 | 20.40 | 50.00 | -29.60 | AVG |
| Emission Level | = Read Level+ Cor | rect Factor | | | | |



Page: 15 of 76



| EUT: | PT WiFi Ca | mera | Model Name | : | FN-PT | C001 |
|---------------|----------------|-----------------|--------------|-----------------|-------------|----------|
| Temperature: | 25 ℃ | | Relative Hun | nidity: | 55% | Alle |
| Test Voltage: | AC 240V/6 | 0Hz | 100 | GU | 1133 | |
| Terminal: | Line | ~ WY | | 63 | 100 | |
| Test Mode: | Charging w | rith TX B Mode | | | 3 N | N. C. |
| Remark: | Only worse | case is reporte | ed | TITE | 33 | |
| 90.0 dBuV | | | | | | |
| -10 | 0.5 | (MHz) | | gandeler broken | QP: AVG: | AV(|
| | | | | | | |
| No. Mk. F | Rea req. Le | • | | _imit | Over | |
| | MHz dB | | | dBuV | dB | Detector |
| 1 0.3 | 2460 29. | 43 10.02 | | 31.89 | -22.44 | QP |
| | | 42 10.02 | | | -32.45 | AVG |
| | 6700 15. | | | | -30.72 | QP |
| | | 72 10.10 | | | -30.12 | AVG |
| | 2100 12. | | | | -33.16 | QP |
| | | | | | | |
| | | 28 10.06 | | | -34.66 | AVG |
| | 6780 24. | | | | -21.73 | QP |
| | | 14 10.06 | | | -26.80 | AVG |
| 9 2.8 | 8500 12. | 55 10.03 | 22.58 | 6.00 | -33.42 | QP |
| 10 2.8 | 8500 -1. | 61 10.03 | 8.42 | 16.00 | -37.58 | AVG |
| | | 10 10 00 | 18.40 | 0.00 | -41.60 | QP |
| | 1818 8. | 18 10.22 | 10.40 | 0.00 | | |



16 of 76 Page:

| EUT: | PT WiFi C | amera | Model Name : | FN-F | PTC001 |
|--|---|--|---|----------------------------------|---|
| Temperature: | 25 ℃ | | Relative Humidi | ty: 55% | |
| Test Voltage: | AC 240V/6 | 60Hz | | CITE OF | 9 |
| Terminal: | Neutral | | | 6300 | |
| Test Mode: | Charging v | with TX B Mode | | - | Alle |
| Remark: | Only worse | e case is reporte | ed | MIN. | |
| 40 40 40 40 40 40 40 40 40 40 40 40 40 4 | | (MHz) | ct Measure- | Market Brown of models | QP: — AVG: — Pea AV(|
| | | evel Facto | , mone | BuV di | |
| 1 0.2 | 2419 11 | .96 10.11 | 22.07 62 | .03 -39. | 96 QP |
| | | .51 10.11 | | .03 -42. | |
| | | .05 10.02 | | .00 -31. | |
| | | .76 10.02 | | .00 -31. | |
| | | .53 10.09 | | .00 -25. | |
| J | | | | | |
| 6 1 | 7250 7 | ′ N7 10 NQ | 7/16 //6 | 1111 - 75 | ~ ~ V |
| | | .07 10.09 | | .00 -28. | |
| 7 3.8 | 3500 14 | .24 10.06 | 24.30 56 | .00 -31. | 70 QP |
| 7 3.8 8 3.8 | 3500 14 3500 5 | .24 10.06 .01 10.06 | 24.30 56 15.07 46 | .00 -31. | 70 QP 93 AVG |
| 7 3.8 8 3.8 9 8.8 | 3500 14 3500 5 3899 10 | .24 10.06 .01 10.06 .35 10.12 | 24.30 56 15.07 46 20.47 60 | .00 -31. .00 -30. .00 -39. | 70 QP 93 AVG 53 QP |
| 7 3.8 8 3.8 9 8.8 10 8.8 | 3500 14 3500 5 3899 10 3899 -3 | .24 10.06 .01 10.06 .35 10.12 .54 10.12 | 24.30 56 15.07 46 20.47 60 6.58 50 | .00 -31. .00 -30. .00 -39. | 70 QP 93 AVG 53 QP 42 AVG |
| 7 3.8 8 3.8 9 8.8 10 8.8 11 * 17.8 | 3500 14 3500 5 3899 10 3899 -3 | .24 10.06 .01 10.06 .35 10.12 | 24.30 56 15.07 46 20.47 60 6.58 50 37.85 60 | .00 -31. .00 -30. .00 -39. | 70 QP 93 AVG 53 QP 42 AVG 15 QP |



Page: 17 of 76

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 | | | |

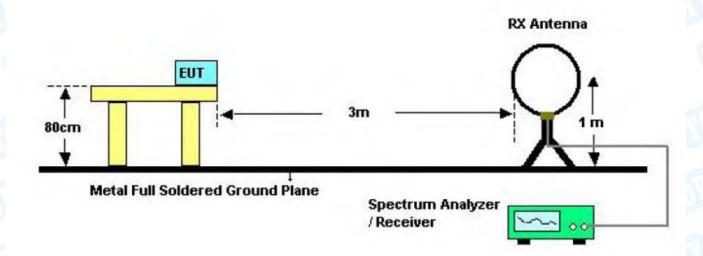
Note:

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

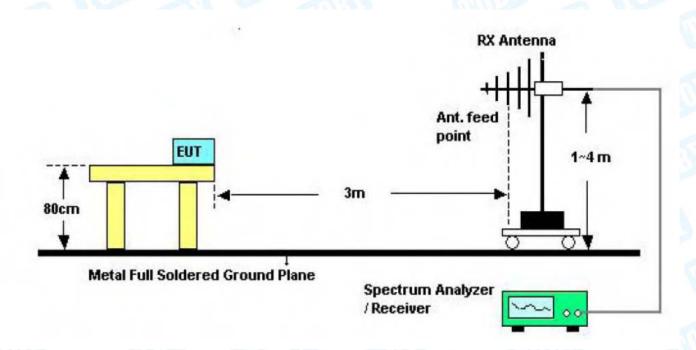


Page: 18 of 76

5.2 Test Setup



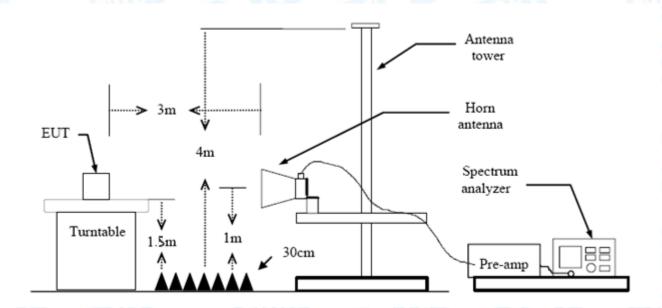
Below 30MHz Test Setup



Below 1000MHz Test Setup



Page: 19 of 76



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.



Page: 20 of 76

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.



Page: 21 of 76

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 | T: | | P | PT WiFi Camera | | | | Model: | | | | FN-PTC001 | | | | | | |
|------------------|----------------|-----------------------|---------------------------------------|----------------------|-----------------------|--|---------------------------------|---|-----------------------------------|------------------------------|--|-------------------------------------|------------------|----------|--------------------|--------------------|----------------|------------------|
| Ter | npera | ature: | 2 | 5 °C | | W | طليل | | (1) | Relativ | e Hu | midit | y: | 55 | % | | | 6 |
| Tes | st Vol | tage: | Α | C 12 | 20V/ | 60H | łΖ | CI II | | | 0 | BH. | | 1000 | | 4 | | |
| An | t. Pol | | Н | oriz | onta | K | | No. | | | | | | 6 | | W | | - |
| Tes | st Mo | de: | T. | ХВ | Mod | le 2 | 412N | ИHz | 1 | 130 | | 16 | | | | | 1 | |
| Re | mark: | | 0 | nly | wors | e c | ase i | s repor | ted | | | MIF. | | | | | | |
| 80.0 | 0 dBuV | //m | | | | | | | | | | | | | | | | ٦ |
| | | | | | | | | | | | | | | | | | | - |
| | | | | | | | | | | | | (05) | FCC 1! | EC 2M | Dad | | | 4 |
| | | | | | | | | | | | | (HF) | FCC I: | OL 3M | | iation jin -6 t | iB | Д |
| | | | | | | _ | | | | | | | | | | | | |
| 30 | | | | | | 十 | | | э Х | _ | | | | | ; | 4 5 * * | 6 X | |
| 30 | , X | ma | | 2 X | | | | | | | | | | | | NJ | البلايا له | J |
| | my / | 1 | | Λ | | _ | M | | | | Mul | | white was | Norther | dermosti | William | N (A) | Ť |
| | | 1/4/4/14 | | N M | . | 110 | M4" \. | ሌ ዜ | 1 6 | A | 11110000 | //// | | | | | | |
| | | YWW. | ~√√ | phot in | L. Murid | المهياس | har A | Vorana Walan | and what when | MANAGARA | W | V.H.MANI | | | | | | 4 |
| | | Varia | ~√√ | pho la | ly Mycraed | المهرمايي | han / | Man Man | ad haliday mada ka | | , MT **** | √44 ^r 44 ^s 41 | | | | | | |
| | | Valley | Λ.Λ. | por la | N _N , code | المهيداني | har A | May | ad wilding the | Myrahi | , MT **** | AM [™] | | | | | | |
| -20 | | Valled of | ^ \ ₄ / \√ | p V | Morela | , de la composition della comp | lud. / | Mary | od wyler | MW This | , • • • • • • • • • • • • • • • • • • • | AM ^(Ma) | | | | | | |
| -20 30 | 0.000 | 40 | 50 ε | 60 70 | 0 80 | galengy de | Mar. V | (MI | Hz) | MW AND | 300 | 400 | 50 | DO 6 | 600 | 700 | 100 | 0.000 |
| 30 | | | | | | ead | ing | (MI | | Measu | | | | | | | 100 | 0.00 |
| 30 | 0.000 No. M | | Fred | | Re | ead eve | | | ect | Measu men | ıre- | 400 | | | :00)VE | | 100 | 0.00 |
| 30 | | | | 1. | Re | | el | Corr | ect tor | | ure- nt | | iit | | | er | 100 | |
| 30 | | 1k. | Fred | 1- | Re | .eve | el V | Corre | ect tor | men | ure- nt /m | Lim | iit V/m | C |)ve | er | Dete | |
| 30 | | 1k. 36 | Fred | Į. 75 | Re L | .eve | el V)8 | Corre Fac | ect tor | men dBuV | ure- nt /m | Lim | v/m | C |)ve | er 99 | Dete | ecto |
|) N | | 1k. 36 | Fred MHz | 1. 75 25 | Re L | .eve dBu\ l3.0 | el v 08 52 | Corre Fac dB/n | ect tor n 07 | dBuV | ure- nt 7/m)1 | Lim dBu | v/m .00 | |)∨∈ dB 14. | 99 39 | Dete C | ecto |
| 1 2 | No. M | 36 66 19 | Fred MHz 3.637 | 75 25 | Re L 4 | .eve dBu\ l3.0 | el V 08 52 | Corre Fac dB/n -18.0 | ect tor 07 | 25.0 22.6 | ure- nt /m 01 31 | Lim dBu 40. 40. | v/m .00 | | dB 14. | 99 39 19 | Dete G | ecto)P)P |
| 1 2 3 4 | No. M | 36 66 19 | Fred MHz 3.637 3.732 1.74 | 75 25 50 | 4 4 5 | .eve dBu\ i3.0 i6.5 i4.1 | el V)8 52 12 | Corre Fac dB/n -18.0 -23.9 -20.8 -6.8 | ect tor 07 91 9 | 25.0 22.6 33.3 32.8 | ure- nt //m 01 31 | Lim 40. 40. 43. | 00 .00 .50 | -1 -1 | dB 14.17.110. | 99 39 19 | Dete C C | ecto |
| 1 2 3 | No. M | 36 66 19 699 | Fred MHz 3.637 3.732 1.74 | 75 25 50 46 | 4 4 5 3 | .eve dBu\ l3.0 l6.5 i4.1 | el V 08 52 12 70 | Corre Fac dB/n -18.0 -23.9 | ect tor 07 91 91 9 | 25.0 22.6 33.3 | ure- nt /m 01 31 31 | Lim 40. 40. 43. 46. | 00 .00 .50 | - (c) | dB 14.17.10.13. | 99 39 19 | Dete | ecto QP QP |



Page: 22 of 76

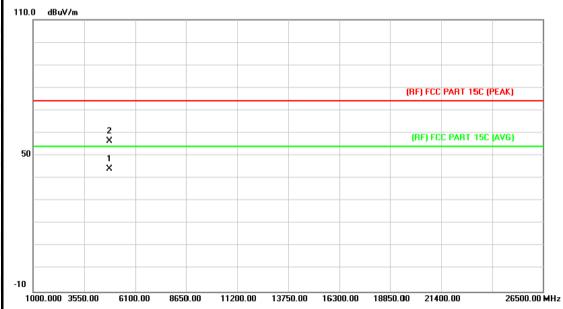
| EUT: | PT W | iFi Camera | M | odel: | | FN-PTC001 | | | |
|---|--|--|--|--|---|--|---------------------------------|--|--|
| Temperature: | 25 ℃ | CIN! | R | elative Hum | idity: | 55% | A Brown | | |
| Гest Voltage: | AC 12 | 20V/60HZ | 100 | 11 | G | TIE | | | |
| Ant. Pol. | Vertic | al | AND | | 1 6 | | | | |
| Test Mode: | TX B | Mode 2412 | 2MHz | MILE | | | | | |
| Remark: | Only | worse case | e is reported | - | CIN) | 199 | | | |
| 80.0 dBuV/m | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | (RF)FC | 15C 3M Radiation Margin -6 | | | |
| | | | | | | indigit -0 | | | |
| | | | | | | | 5 | | |
| 30 | | | 2 X | 3 | | 4 * | 6 | | |
| | 1 X | | | * <u> </u> | | hayadan aydalahayaa Irada | Jun XI man | | |
| Mhau M | | | production of the second | MMW "Walingtofulm | Kind Harriera | NAME I | | | |
| my many A many of physician | Jackson The Control of the Control o | Andrian Constitution | II. AMAN JOHNANA | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 30 | | | | | | | | | |
| 30.000 40 50 | 60 70 | 80 | (MHz) | 300 | 400 | 500 600 700 | 1000.00 | | |
| 30.000 40 50 | 60 70 | | | | 400 | 500 600 700 | 1000.00 | | |
| 30.000 40 50 | 60 70 | Reading Level | (MHz) Correct Factor | Measure- ment | 400 Limit | 500 600 700 Over | 1000.00 | | |
| 30.000 40 50 No. Mk. Fr | 60 70 | Reading | Correct | Measure- | | Over | 1000.00 | | |
| 30.000 40 50 No. Mk. Fr | 60 70 Teq. | Reading Level | Correct Factor | Measure- ment | Limit | Over n dB | | | |
| No. Mk. Fr M 61.3 | 60 70 Teq. | Reading Level dBuV | Correct Factor | Measure- ment dBuV/m | Limit dBuV/n | Over n dB -22.18 | Detecto | | |
| No. Mk. Fr M 1 61.3 2 191.7 | 60 70 Teq. Hz | Reading Level dBuV 42.22 | Correct Factor dB/m -24.40 | Measure- ment dBuV/m 17.82 | Limit dBuV/n | Over dB -22.18 -15.81 | Detecto | | |
| No. Mk. Fr M 1 61.3 2 191.7 3 199.9 | eq. Hz 3463 7450 | Reading Level dBuV 42.22 48.50 | Correct Factor dB/m -24.40 -20.81 | Measure- ment dBuV/m 17.82 27.69 | Limit dBuV/n 40.00 43.50 | Over dB -22.18 -15.81 -21.04 | Detecto QP QP | | |
| No. Mk. Fr M 1 61.3 2 191.7 3 199.9 4 701.7 | eq. Hz 3463 7450 | Reading Level dBuV 42.22 48.50 42.85 | Correct Factor dB/m -24.40 -20.81 -20.39 | Measure- ment dBuV/m 17.82 27.69 22.46 | Limit dBuV/n 40.00 43.50 43.50 | Over dB -22.18 -15.81 -21.04 -19.03 | Detecto QP QP QP | | |
| No. Mk. Fr M 1 61.3 2 191.7 3 199.9 4 701.7 5 * 801.7 | req. Hz 3463 7450 9856 7610 | Reading Level dBuV 42.22 48.50 42.85 33.85 | Correct Factor dB/m -24.40 -20.81 -20.39 -6.88 | Measure- ment dBuV/m 17.82 27.69 22.46 26.97 | Limit dBuV/n 40.00 43.50 43.50 46.00 | Over dB -22.18 -15.81 -21.04 -19.03 -13.60 | Detecto QP QP QP QP | | |



Page: 23 of 76

Above 1GHz

| PT WiFi Camera | Model: | FN-PTC001 | | | | | |
|--|--|---|--|--|--|--|--|
| 25 ℃ | Relative Humidity: | 55% | | | | | |
| AC 120V/60HZ | 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 | | | | | |

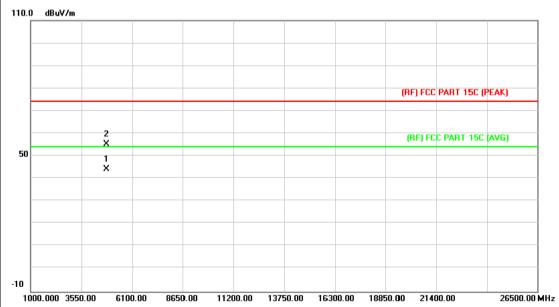


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4824.435 | 30.69 | 13.50 | 44.19 | 54.00 | -9.81 | AVG |
| 2 | | 4824.507 | 42.88 | 13.50 | 56.38 | 74.00 | -17.62 | peak |



Page: 24 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | | | |
|---------------|------------------------------|-----------------------|-----------|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | | |
| Test Voltage: | AC 120V/60HZ | | 133 | | | | | |
| Ant. Pol. | Vertical | Vertical | | | | | | |
| Test Mode: | TX B Mode 2412MHz | WIII DE | a William | | | | | |
| Remark: | No report for the emission v | which more than 10 dB | below the | | | | | |
| | prescribed limit. | - W | | | | | | |
| | | | | | | | | |



| No. | Mk | . Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4823.010 | 30.66 | 13.50 | 44.16 | 54.00 | -9.84 | AVG |
| 2 | | 4824.528 | 41.81 | 13.50 | 55.31 | 74.00 | -18.69 | peak |



Page: 25 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | |
|---------------|--|--------------------|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | |
| Test Voltage: | AC 120V/60HZ | | | | | |
| Ant. Pol. | Horizontal | Horizontal | | | | |
| Test Mode: | TX B Mode 2437MHz | | THE PARTY OF THE P | | | |
| Remark: | No report for the emission which more than 10 dB below the | | | | | |
| | prescribed limit. | - N | | | | |
| | | | | | | |

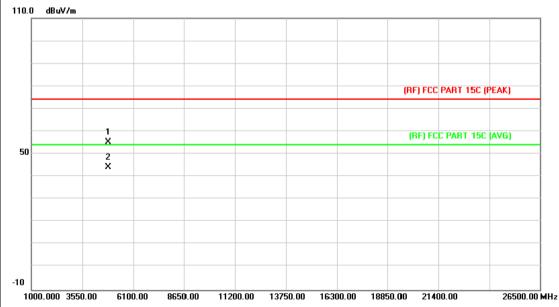


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4873.454 | 31.45 | 13.86 | 45.31 | 54.00 | -8.69 | AVG |
| 2 | | 4873.688 | 42.26 | 13.86 | 56.12 | 74.00 | -17.88 | peak |



Page: 26 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | |
|---------------|--------------------------|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | |
| Test Voltage: | AC 120V/60HZ | 531 | | | | |
| Ant. Pol. | Vertical | Vertical | | | | |
| Test Mode: | TX B Mode 2437MHz | | The same of the sa | | | |
| Remark: | No report for the emissi | No report for the emission which more than 10 dB below the | | | | |
| | prescribed limit. | الله المر الله | | | | |
| 1 | | | | | | |



| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4874.072 | 41.45 | 13.86 | 55.31 | 74.00 | -18.69 | peak |
| 2 | * | 4875.047 | 30.25 | 13.87 | 44.12 | 54.00 | -9.88 | AVG |



Page: 27 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | |
|---------------|-------------------------|--|-----------|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | |
| Test Voltage: | AC 120V/60HZ | | | | | |
| Ant. Pol. | Horizontal | Horizontal | | | | |
| Test Mode: | TX B Mode 2462MHz | | A VIII | | | |
| Remark: | No report for the emiss | No report for the emission which more than 10 dB below the | | | | |
| | prescribed limit. | | | | | |
| 1 | | | | | | |



| No. | Mk | . Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4923.526 | 31.76 | 14.15 | 45.91 | 54.00 | -8.09 | AVG |
| 2 | | 4924.732 | 42.97 | 14.15 | 57.12 | 74.00 | -16.88 | peak |



Page: 28 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | |
|---------------|--|--------------------|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | |
| Test Voltage: | AC 120V/60HZ | | | | | |
| Ant. Pol. | Vertical | | | | | |
| Test Mode: | TX B Mode 2462MHz | MIDE | THE PARTY OF THE P | | | |
| Remark: | No report for the emission which more than 10 dB below the prescribed limit. | | | | | |

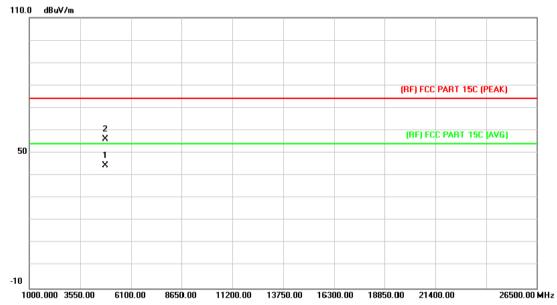


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4924.081 | 43.48 | 14.15 | 57.63 | 74.00 | -16.37 | peak |
| 2 | * | 4924.240 | 31.23 | 14.15 | 45.38 | 54.00 | -8.62 | AVG |



Page: 29 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | |
|---------------|--------------------------|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | |
| Test Voltage: | AC 120V/60HZ | | | | | |
| Ant. Pol. | Horizontal | Horizontal | | | | |
| Test Mode: | TX G Mode 2412MHz | | The state of the s | | | |
| Remark: | No report for the emissi | No report for the emission which more than 10 dB below the | | | | |
| | prescribed limit. | الآلا مر الآل | | | | |
| 1 | | | | | | |

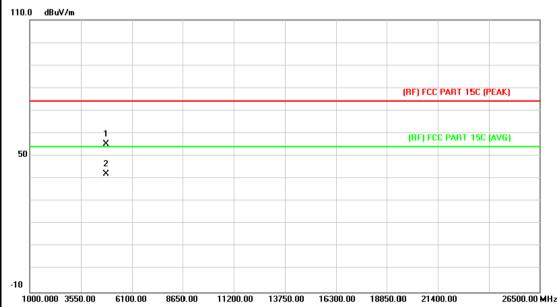


| No. | . Mk | . Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|------|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4824.387 | 30.78 | 13.56 | 44.34 | 54.00 | -9.66 | AVG |
| 2 | | 4825.194 | 42.57 | 13.57 | 56.14 | 74.00 | -17.86 | peak |



Page: 30 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | |
|---------------|--|--------------------------|-------------|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | |
| Test Voltage: | AC 120V/60HZ | | MIN . | | | |
| Ant. Pol. | Vertical | Vertical | | | | |
| Test Mode: | TX G Mode 2412MHz | WILD S | A HILL | | | |
| Remark: | No report for the emissi prescribed limit. | on which more than 10 dl | B below the | | | |
| | prescribed limit. | | | | | |

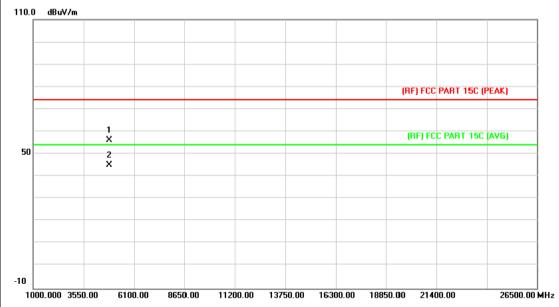


| No. | Mk. | Freq. | _ | Correct Factor | Measure- ment | Limit | Over | |
|-----|-----|----------|-------|-------------------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4825.176 | 41.64 | 13.57 | 55.21 | 74.00 | -18.79 | peak |
| 2 | * | 4825.353 | 28.59 | 13.57 | 42.16 | 54.00 | -11.84 | AVG |



Page: 31 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | | |
|---------------|--|-----------------------|--------------|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | |
| Ant. Pol. | Horizontal | Horizontal | | | | | |
| Test Mode: | TX G Mode 2437MHz | | THE PARTY OF | | | | |
| Remark: | No report for the emission prescribed limit. | which more than 10 dE | 3 below the | | | | |

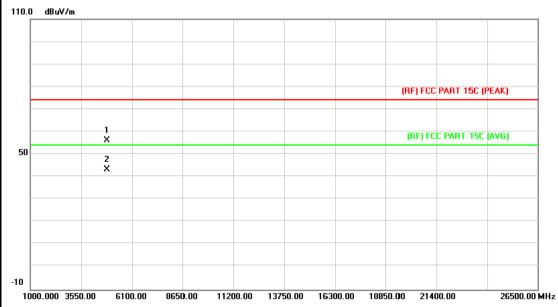


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4874.318 | 42.28 | 13.86 | 56.14 | 74.00 | -17.86 | peak |
| 2 | * | 4875.029 | 31.23 | 13.87 | 45.10 | 54.00 | -8.90 | AVG |



Page: 32 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | | |
|---------------|--|-----------------------|--------------|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | | | | | | |
| Ant. Pol. | Vertical | Vertical | | | | | |
| Test Mode: | TX G Mode 2437MHz | | THE PARTY OF | | | | |
| Remark: | No report for the emission prescribed limit. | which more than 10 dE | 3 below the | | | | |



| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4872.539 | 42.25 | 13.85 | 56.10 | 74.00 | -17.90 | peak |
| 2 | * | 4874.942 | 29.35 | 13.86 | 43.21 | 54.00 | -10.79 | AVG |



Page: 33 of 76

| | | FN-PTC001 | | | | |
|--------------|--------------------------|--|--|--|--|--|
| Carrier S | Relative Humidity: | 55% | | | | |
| AC 120V/60HZ | | | | | | |
| al | | | | | | |
| ode 2462MHz | | | | | | |
| | on which more than 10 dE | 3 below the | | | | |
| t | tal ode 2462MHz | tal ode 2462MHz ort for the emission which more than 10 dE | | | | |

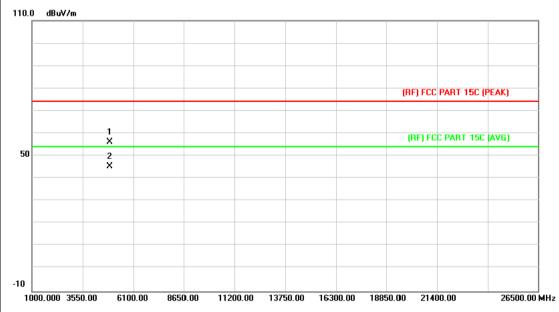


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4923.667 | 42.95 | 14.15 | 57.10 | 74.00 | -16.90 | peak |
| 2 | * | 4925.494 | 30.05 | 14.16 | 44.21 | 54.00 | -9.79 | AVG |



Page: 34 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | | |
|---------------|--|-----------------------|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | |
| Ant. Pol. | Vertical | | | | | | |
| Test Mode: | TX G Mode 2462MHz | WILD B | THE PARTY OF THE P | | | | |
| Remark: | No report for the emission prescribed limit. | which more than 10 dE | 3 below the | | | | |

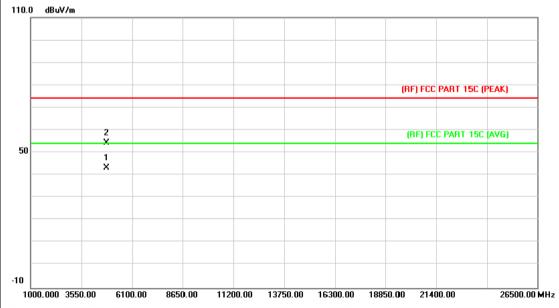


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4923.274 | 41.97 | 14.15 | 56.12 | 74.00 | -17.88 | peak |
| 2 | * | 4923.892 | 31.16 | 14.15 | 45.31 | 54.00 | -8.69 | AVG |



Page: 35 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | | |
|---------------|----------------------------|--|-----------|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | |
| Ant. Pol. | Horizontal | | | | | | |
| Test Mode: | TX N(HT20) Mode 2412M | Hz | | | | | |
| Remark: | No report for the emission | No report for the emission which more than 10 dB below the | | | | | |
| | prescribed limit. | | | | | | |
| | | | | | | | |

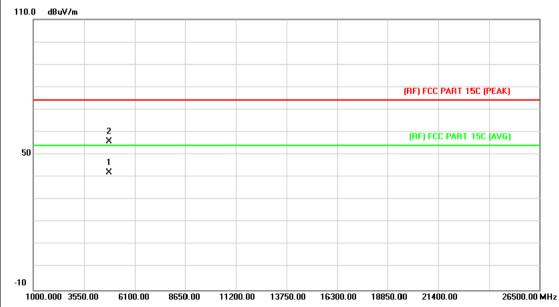


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4824.342 | 29.65 | 13.56 | 43.21 | 54.00 | -10.79 | AVG |
| 2 | | 4824.588 | 40.75 | 13.56 | 54.31 | 74.00 | -19.69 | peak |



Page: 36 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | | |
|---------------|----------------------------|--|-----------|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | |
| Ant. Pol. | Vertical | | | | | | |
| Test Mode: | TX N(HT20) Mode 2412 | MHz | | | | | |
| Remark: | No report for the emission | No report for the emission which more than 10 dB below the | | | | | |
| | prescribed limit. | الله مر الا | | | | | |
| | | | | | | | |

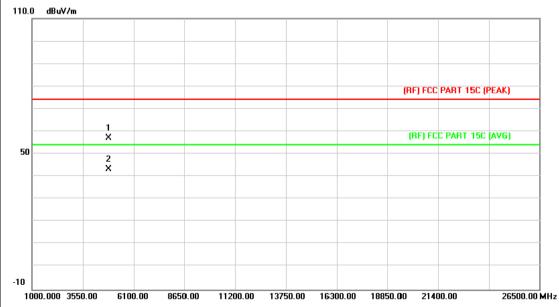


| No. | Mk | . Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4823.016 | 28.45 | 13.56 | 42.01 | 54.00 | -11.99 | AVG |
| 2 | | 4824.027 | 42.42 | 13.56 | 55.98 | 74.00 | -18.02 | peak |



Page: 37 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | | |
|---------------|--|--|--|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | |
| Ant. Pol. | Horizontal | Horizontal | | | | | |
| Test Mode: | TX N(HT20) Mode 2437M | Hz | THE PARTY OF THE P | | | | |
| Remark: | No report for the emission prescribed limit. | No report for the emission which more than 10 dB below the | | | | | |
| | procenoca innit. | | | | | | |



| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4874.726 | 43.12 | 13.86 | 56.98 | 74.00 | -17.02 | peak |
| 2 | * | 4874.882 | 29.33 | 13.86 | 43.19 | 54.00 | -10.81 | AVG |



Page: 38 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | | |
|---------------|----------------------------|-----------------------|---|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | | TIES TO THE TOTAL PROPERTY OF THE PROPERTY OF | | | | |
| Ant. Pol. | Vertical | Vertical | | | | | |
| Test Mode: | TX N(HT20) Mode 2437M | lHz | | | | | |
| Remark: | No report for the emission | which more than 10 de | B below the | | | | |
| | prescribed limit. | الله مرا | | | | | |
| | | | | | | | |

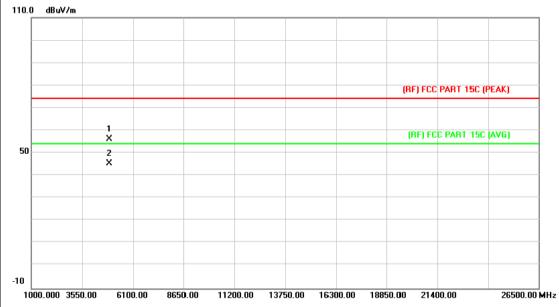


| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4872.503 | 43.06 | 13.85 | 56.91 | 74.00 | -17.09 | peak |
| 2 | * | 4872.503 | 29.34 | 13.85 | 43.19 | 54.00 | -10.81 | AVG |



Page: 39 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | | | |
|---------------|--|--|-----------|--|--|--|--|--|
| 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 | 2 110 | | | | | |
| Remark: | No report for the emission v prescribed limit. | No report for the emission which more than 10 dB below the | | | | | | |
| | | | | | | | | |



| No. | Mk. | Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 4922.905 | 42.15 | 14.14 | 56.29 | 74.00 | -17.71 | peak |
| 2 | * | 4924.201 | 31.21 | 14.15 | 45.36 | 54.00 | -8.64 | AVG |



Page: 40 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | | | |
|---------------|------------------------------|--|-----------|--|--|--|--|--|
| Temperature: | 25 ℃ | 25 ℃ Relative Humidity: 55% | | | | | | |
| Test Voltage: | AC 120V/60HZ | C 120V/60HZ | | | | | | |
| Ant. Pol. | Vertical | Vertical | | | | | | |
| Test Mode: | TX N(HT20) Mode 2462MH | z | 2 100 | | | | | |
| Remark: | No report for the emission v | No report for the emission which more than 10 dB below the | | | | | | |
| | prescribed limit. | - W | | | | | | |
| | | | | | | | | |



| No. | Mł | k. Freq. | Reading Level | | Measure- ment | Limit | Over | |
|-----|----|----------|------------------|-------|------------------|--------|--------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 4922.746 | 31.23 | 14.14 | 45.37 | 54.00 | -8.63 | AVG |
| 2 | | 4923.274 | 42.04 | 14.15 | 56.19 | 74.00 | -17.81 | peak |



Page: 41 of 76

6. Restricted Bands Requirement

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.247(d)

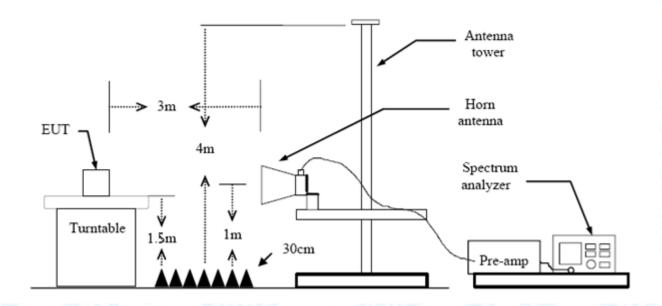
FCC Part 15.209

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.



Page: 42 of 76

(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

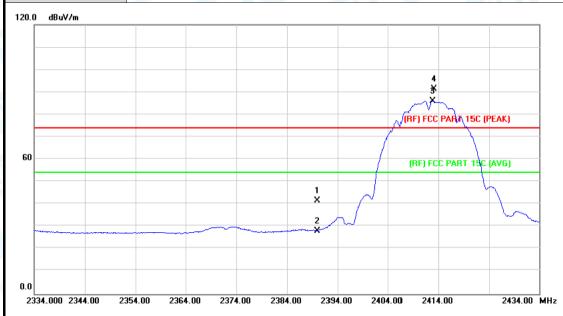
Please see the next page.



Page: 43 of 76

(1) Radiation Test

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | | |
|---------------|-------------------|--|-----------|--|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | | |
| Test Voltage: | AC 120V/60HZ | AC 120V/60HZ | | | | | |
| Ant. Pol. | Horizontal | COLUMN TO SERVICE SERV | A VIVI | | | | |
| Test Mode: | TX B Mode 2412MHz | | 13 - 6 | | | | |
| Remark: | N/A | | | | | | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------------------|------------------|---------------|-----------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 2390.000 | 40.92 | 0.77 | 41.69 | 74.00 | -32.31 | peak |
| 2 | | 2390.000 | 27.37 | 0.77 | 28.14 | 54.00 | -25.86 | AVG |
| 3 | * | 2412.800 | 85.18 | 0.86 | 86.04 | Fundamental I | Frequency | AVG |
| 4 | X | 2413.100 | 90.36 | 0.86 | 91.22 | Fundamental I | Frequency | peak |



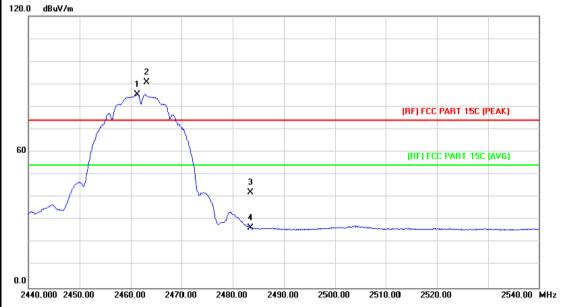
Page: 44 of 76

| EUT: | | PT V | ViFi (| Camera | a | Mode | el: | | FN-PTC001 | | |
|----------|----------|------------|---------|--------|---------------|-----------------|--|---------------|----------------------|--------------------------|------------|
| Гет | perat | ure: | 25 ° | C | TITLE | 30 | Relat | tive Hu | midity: | 55% | Bulle |
| Гest | Volta | ge: | AC 1 | 20V | /60HZ | | 1180 | | 67 | 11:30 | |
| Ant. | Pol. | | Verti | cal | | I WILL | A STATE OF THE PARTY OF THE PAR | | 1 6 | | |
| Test | Mode |) : | TX E | Мо | de 241 | 2MHz | _ (| 4 Miles | | | 1 haden |
| Rem | ark: | | N/A | W | | | | | | 33 | _ (|
| 120.0 | dBuV/i | m | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | 3 | | |
| | | | | | | | | | XI. | | |
| | | | | | | | | | N V | 7 | |
| - | | | | | | | | | (HF) FCI | PART 15C (PEAK | |
| 60 | | | | | | | | | (RF) FCC PART 15C (A | | , |
| | | | | | | | | \rightarrow | (nr) re | C PART 15C (AVG | , |
| | | | | | | | 1 X | | | | |
| | | | | | | | 2 / | - | | , | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | |
| 233 | 34.000 2 | 344.00 2 | 2354.00 | 2364 | .00 23 | 74.00 2384 | .00 239 | 14.00 24 | 04.00 241 | 4.00 2 | 434.00 MHz |
| | | | | _ | | | | | | | |
| No | . Mk | . Fre | aci | | ading evel | Correc Facto | | asure- | Limit | Over | |
| INC | . IVIK | | | | | | | ent | | | D |
| | | MH | | | BuV | dB/m | | BuV/m | dBuV/n | | Detecto |
| | | 2390. | 000 | 42 | 2.35 | 0.77 | 4 | 3.12 | 74.00 | -30.88 | peak |
| 1 | | 2550. | | | | | | | | | AV/0 |
| <u> </u> | | 2390. | | | 0.03 | 0.77 | 3 | 0.80 | 54.00 | -23.20 | AVG |
| 1 2 3 | X | | 000 | 30 |).03 1.50 | 0.77 0.86 | | 0.80 5.36 | | -23.20 Ital Frequency | peak |



Page: 45 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 |
|---------------|-------------------|--------------------|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% |
| Test Voltage: | AC 120V/60HZ | | TIES TO THE TOTAL PROPERTY OF THE TOTAL PROP |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX B Mode 2462MHz | | |
| Remark: | N/A | | 133 |
| 120.0 dP-4// | | | |



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------------------|------------------|------------|-------------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 2461.300 | 84.27 | 1.07 | 85.34 | Fundamenta | l Frequency | AVG |
| 2 | X | 2463.100 | 89.60 | 1.08 | 90.68 | Fundamenta | I Frequency | peak |
| 3 | | 2483.500 | 40.84 | 1.17 | 42.01 | 74.00 | -31.99 | peak |
| 4 | | 2483.500 | 25.46 | 1.17 | 26.63 | 54.00 | -27.37 | AVG |



Page: 46 of 76

| PT WiFi Camera | Model: | FN-PTC001 |
|-------------------|---|--|
| 25 ℃ | Relative Humidity: | 55% |
| AC 120V/60HZ | | |
| Vertical | | |
| TX B Mode 2462MHz | WILL SE | A VIII |
| N/A | | 133 _ 0 |
| | | ······ |
| | 25 °C AC 120V/60HZ Vertical TX B Mode 2462MHz | 25 °C Relative Humidity: AC 120V/60HZ Vertical TX B Mode 2462MHz |



| | | | | | | | $\overline{}$ | |
|-----|------|----------|------------------|-------------------|------------------|-------------|---------------|----------|
| No. | . Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 2461.300 | 90.55 | 1.07 | 91.62 | Fundamental | Frequency | AVG |
| 2 | X | 2462.000 | 97.55 | 1.08 | 98.63 | Fundamental | Frequency | peak |
| 3 | | 2483.500 | 43.93 | 1.17 | 45.10 | 74.00 | -28.90 | peak |
| 4 | | 2483.500 | 30.14 | 1.17 | 31.31 | 54.00 | -22.69 | AVG |



Page: 47 of 76

| EUT: | | | PT V | ViFi | Camera | a | Mode | el: | | F | N-PTC0 | 01 | | |
|-----------|-----------|-------------------------|------------|----------------|-----------------------------|-----------------------|--|------------------------------|--------------------------|------------|--|-----------|---------|--|
| Temp | eratu | e: | 25 °C | С | e Till | 30 | Relat | Relative Humidity: 55% | | | | | | |
| Test ' | Voltag | e: | AC 1 | 20V | /60HZ | | B'str | | 16 | | 1133 | | | |
| ۱nt. ا | Pol. | | Horiz | zonta | al | LIN I | J. Carlotte | | | | | | 9 | |
| Test | Mode: | | TX G | Э Мо | de 241 | 2MHz | . (| MILE | | | 3 M | No. | | |
| Rema | ark: | | N/A | W | | | | | 6 | | | | Į. | |
| 20.0 | dBuV/m | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | 3 | | | | | |
| | | | | | | | | | . X | | | | | |
| | | | | | | | | - | (RF | TFCC PA | ART 15C (PEA | .K) | | |
| 60 | | | | | | | | | | | | | | |
| - | | | | | | | | | (R | F) FCC I | PART 15C (AV | G) | | |
| | | | | | | 1 X | , | | | | | | | |
| | | | | | | 2 | was a state of the | | | | The same of the sa | | | |
| | ستمسي | | | | | × | | | | | | | | |
| | | | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | |
| 2342 | .000 2352 | .00 23 | 62.00 | 2372 | .00 238 | 32.00 2392 | .00 240 | 2.00 24 | 12.00 | 2422.0 | 00 | 2442.00 | чн | |
| | | | | | | | | | | | | | | |
| | | | | _ | odina | Correc | t Max | asure- | | | | | _ | |
| | | | | Re | aumy | Conec | i ivie | asure- | | | 0 | | | |
| No. | . Mk. | Fre | q. | | ading evel | Facto | | ent | Lim | iit | Over | | | |
| No. | . Mk. | Fre | | Le | | | r m | | | nit V/m | dB | Detec | to | |
| | | | z | Le d | evel | Facto | r m | ent | dBu | | | | | |
| 1 | , | MH | z 000 | d 42 | evel BuV | Facto dB/m | r m | ent luV/m | dBu | V/m | dB | pea | ak | |
| 1 | : | мн: 2390.0 |)00)00 | d 42 27 | evel BuV 2.42 | Facto dB/m 0.77 | r m dB 43 | ent BuV/m 3.19 | 74 54 | .00 | dB -30.81 -25.29 | pea | ak G | |
| No. 1 2 3 | X | MH: 2390.0 2390.0 | 000 | 42 27 87 | evel BuV 2.42 7.94 | dB/m 0.77 0.77 | r m dB 43 | ent BuV/m 3.19 8.71 | dBu 74 54 Funda | .00 .00 | dB -30.81 | pea AV | Gak | |



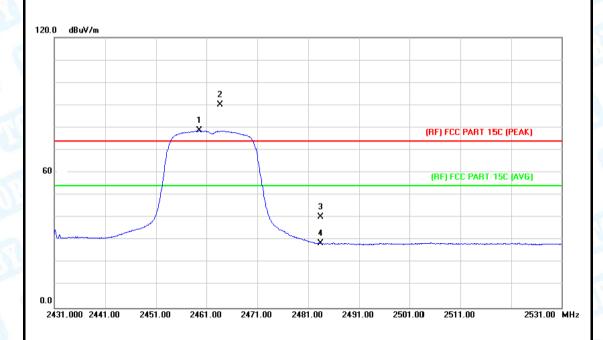
Page: 48 of 76

| eratu | re: | 2 | 5 °C | 7 | | | | | | | | | | | | |
|--------|-------------|------------------------------|---|--|---|--|---|---|--|--|--|--------------|-------------------|-------------------|-------------------|--|
| | | | - | | | | | | Rela | tive F | Humidi | ty: | 55% | | | |
| oltag | je: | Α | C 1 | 20V | /60HZ | 7 | | 60 | M. | | 16 | | 1133 | | | |
| ol. | | V | ertic | cal | | | 111 | | | | | 63 | | 60 | | |
| lode | ! | Т | ΧG | Мс | de 24 | 12M | Hz | | 6 | 11/1/2 | 1 | | 3 N | MAP | | |
| k: | | N | I/A | A | | | 1 | | A | | 6 | 11 | 13 | | 1 | |
| ßuV/m | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | _ | | | | | | | | | | | | | - | |
| | | _ | | | | | | | | | 4 | | | | - | |
| | | | | | | | | | | | (RF |) FCC | PART 15C (PI | EAK) | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | (F | F) FC | PART 15C (| WG) | | |
| | | \exists | | | | | 1 X | | | | | | | | | |
| | | | | | | | 2 | | market . | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 000 23 | 52.00 | 2362. | .00 | 2377 | 2.00 | 2382.00 |) 239 | 2.00 | 2402 | 2.00 | 2412.00 | 2422 | .00 | 2442.00 | MHz | |
| | | | | Re | ading | g (| Corre | ct | Mea | sure- | _ | | | | | |
| Mk. | Fr | eq. | | L | evel | | Facto | or | me | ent | Lim | it | Over | | | |
| | MI | Ηz | | C | lBuV | | dB/m | | dBı | uV/m | dBu | V/m | dB | Dete | ector | |
| | 2390 | .00 | 0 | 4 | 2.35 | | 0.77 | | 43 | 3.12 | 74 | .00 | -30.8 | 8 pe | eak | |
| | 2390 | .00 | 0 | 2 | 9.66 | | 0.77 | | 30 | .43 | 54 | .00 | -23.5 | 7 A | √G | |
| Χ | 2408 | .60 | 0 | 9 | 5.47 | | 0.85 | | 96 | 3.32 | Funda | ment | al Frequenc | y pe | ak | |
| * | 2409 | .40 | 0 | 8 | 4.77 | | 0.85 | | 85 | .62 | Funda | ment | al Frequenc | y A\ | √G | |
| | 'k: #BuV/m | Mk. From Mi 2390 2390 X 2408 | Mk. Freq. MHz 2390.00 2390.00 X 2408.60 | Mk. Freq. MHz 2390.000 2390.000 X 2408.600 | Iode: TX G Mo N/A IBuV/m Re Mk. Freq. Le MHz d 2390.000 4 2390.000 2 X 2408.600 9 | Iode: TX G Mode 24 rk: N/A IBuV/II IBuV IB | Inde: TX G Mode 2412M N/A IBuV/m Reading (Mk. Freq. Level MHz dBuV 2390.000 42.35 2390.000 29.66 X 2408.600 95.47 | Inde: TX G Mode 2412MHz N/A IBuV/m Reading Correct Level Factor MHz dBuV dB/m 2390.000 42.35 0.77 2390.000 29.66 0.77 X 2408.600 95.47 0.85 | Inde: TX G Mode 2412MHz N/A IBuV/m Reading Correct Level Factor MHz dBuV dB/m 2390.000 42.35 0.77 2390.000 29.66 0.77 X 2408.600 95.47 0.85 | TX G Mode 2412MHz N/A BuV/m Tx G Mode 2412MHz N/A Reading Correct Mea Mk. Freq. Level Factor me MHz dBuV dB/m dB/m 2390.000 42.35 0.77 43 2390.000 29.66 0.77 30 X 2408.600 95.47 0.85 96 | N/A Section TX G Mode 2412MHz N/A | N/A BuV/m | TX G Mode 2412MHz | TX G Mode 2412MHz | TX G Mode 2412MHz | |



Page: 49 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 |
|---------------|-------------------|--------------------|-----------|
| Temperature: | 25 ℃ | Relative Humidity: | 55% |
| Test Voltage: | AC 120V/60HZ | | |
| Ant. Pol. | Horizontal | | |
| Test Mode: | TX G Mode 2462MHz | WILDS | |
| Remark: | N/A | | 10 _ 0 |

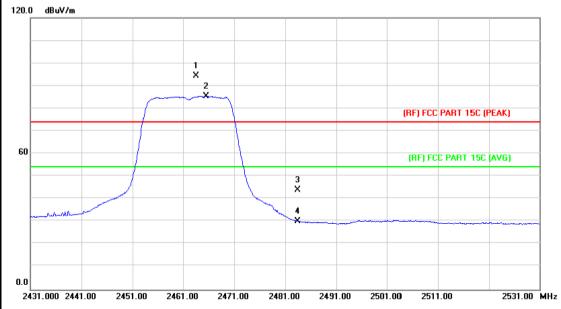


| No. | . Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|------|----------|------------------|-------------------|------------------|-------------|-----------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | * | 2459.600 | 77.55 | 1.06 | 78.61 | Fundamental | Frequency | AVG |
| 2 | X | 2463.600 | 88.98 | 1.08 | 90.06 | Fundamental | Frequency | peak |
| 3 | | 2483.500 | 39.19 | 1.17 | 40.36 | 74.00 | -33.64 | peak |
| 4 | | 2483.500 | 27.36 | 1.17 | 28.53 | 54.00 | -25.47 | AVG |



Page: 50 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 |
|---------------|-------------------|--------------------|-----------|
| Temperature: | 25 ℃ | Relative Humidity: | 55% |
| Test Voltage: | AC 120V/60HZ | | 133 |
| Ant. Pol. | Vertical | U | |
| Test Mode: | TX G Mode 2462MHz | WILD S | a Villa |
| Remark: | N/A | | 13 |
| 120.0 dBuV/m | | | |
| | | | |



| No. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|----|----------|------------------|-------------------|------------------|-------------|-------------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | Χ | 2463.500 | 93.28 | 1.08 | 94.36 | Fundamental | Frequency | peak |
| 2 | * | 2465.400 | 84.28 | 1.09 | 85.37 | Fundamenta | l Frequency | AVG |
| 3 | | 2483.500 | 42.93 | 1.17 | 44.10 | 74.00 | -29.90 | peak |
| 4 | | 2483.500 | 29.01 | 1.17 | 30.18 | 54.00 | -23.82 | AVG |



Page: 51 of 76

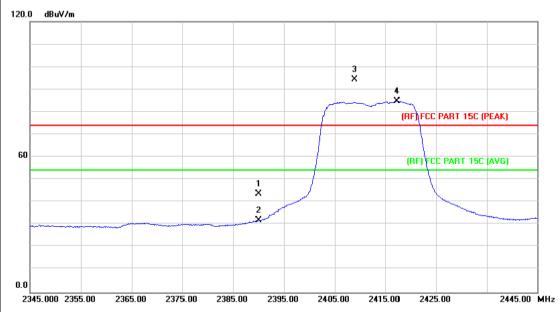
| EUT: | | | PT Wil | Fi Camera | a | Mod | lel: | | FN-PT | C001 | | | | |
|--------|-----------|----------|-------------|------------|--------------|-------|---------|-------------|-------------|---------|----------|--|--|--|
| Гетр | eratur | e: | 25 ℃ | CITY | 35 | Rela | ative H | umidity: | 55% | Alan | | | | |
| Test \ | Voltage | e: | AC 12 | 0V/60HZ | | 110 | | (11) | 1133 | | A. | | | |
| Ant. F | Pol. | | Horizo | ntal | I Bliff | | | | | | | | | |
| est l | Mode: | | TX N(H | -HT20) Мо | de 2412MI | -lz | 11/10 | | | | | | | |
| Rema | ark: | | N/A | | | | | | 13 | | V | | | |
| 120.0 | dBuV/m | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | 4 × | | | | | | | |
| | | | | | | | 3 | | | | | | | |
| | | | | | | - | | (RE) FCC F | ART 15C (PE | AK) | | | | |
| | | | | | | | | | | | | | | |
| 60 | | | | | | | | (RF) FCC | PART 15C (A | VG) | | | | |
| | | | | | 1 × | | | | | | 1 | | | |
| | | | | | 2 | | | | | | | | | |
| - | | | | | × | | | | | /\ | | | | |
| | | | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | |
| | .000 2355 | 5.00 236 | 55.00 2 | 2375.00 23 | 85.00 2395.0 | 0 240 | 5.00 24 | 15.00 2425. | 00 | 2445.00 | 」 MH: | | | |
| | | | | | | | | | | | | | | |
| | | F | | Reading | Correct | | sure- | Limit | Over | | | | | |
| No. | Mk. | Freq | - | Level | Factor | me | ent | Limit | Over | | | | | |
| | | MHz | | dBuV | dB/m | dBı | uV/m | dBuV/m | dB | Dete | cto | | | |

| No. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|----|----------|------------------|-------------------|------------------|-------------|-----------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 2390.000 | 40.92 | 0.77 | 41.69 | 74.00 | -32.31 | peak |
| 2 | | 2390.000 | 28.02 | 0.77 | 28.79 | 54.00 | -25.21 | AVG |
| 3 | * | 2408.800 | 79.05 | 0.85 | 79.90 | Fundamental | Frequency | AVG |
| 4 | X | 2408.900 | 89.25 | 0.85 | 90.10 | Fundamental | Frequency | peak |



Page: 52 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | |
|---------------|-------------------------|--------------------|-----------|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | |
| Test Voltage: | AC 120V/60HZ | | | | |
| Ant. Pol. | Vertical | | | | |
| Test Mode: | TX N(HT20) Mode 2412MHz | | | | |
| Remark: | N/A | | | | |
| 120.0 dB-AU- | | | | | |



| No. | Mk. | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|-----|----------|------------------|-------------------|------------------|------------|--------------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | | 2390.000 | 42.91 | 0.77 | 43.68 | 74.00 | -30.32 | peak |
| 2 | | 2390.000 | 31.13 | 0.77 | 31.90 | 54.00 | -22.10 | AVG |
| 3 | Х | 2408.900 | 93.47 | 0.85 | 94.32 | Fundamenta | I Frequency | peak |
| 4 | * | 2417.300 | 83.90 | 0.89 | 84.79 | Fundamenta | Il Frequency | AVG |



Page: 53 of 76

| EUT: | | | PT WiFi | Camera | | Model: | | FN-PT | C001 |
|---------------------|-----------|---------|-------------------|------------------|-------------------|------------------|---------------|--------------|-------------|
| Tem | peratu | re: | 25 ℃ | Call' | 33 | Relative H | lumidity: | 55% | Brown |
| Test | Voltag | e: | AC 120\ | //60HZ | 100 | 80 | GUI | 1133 | |
| Ant. | Pol. | | Horizont | al | MAG | | 3 V | 100 | |
| Test | Mode: | | TX N(H7 | 20) Mod | de 2462MH | z Mill | | 3 W | 111 |
| Rem | ark: | | N/A | | | | | | |
| 120.0 | dBuV/m | | | | | | | | |
| 60 | | | | 1 × 2 × | 3 × | | | PART 15C (PE | |
| 0.0 2 4 3 | 5.000 244 | 15.00 2 | 455.00 246 | 5.00 247 | 5.00 2485.00 | 2495.00 | 2505.00 2515. | 00 | 2535.00 MH: |
| No | o. Mk. | Fre | | eading evel | Correct Factor | Measure- ment | Limit | Over | |
| | | МН | Z (| dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | Χ | 2465 | 200 8 | 7.91 | 1.09 | 89.00 | Fundamental I | Frequency | peak |

Emission Level= Read Level+ Correct Factor

2467.300

2483.500

2483.500

3

4

78.58

41.93

27.06

1.10

1.17

1.17

79.68

43.10

28.23

Fundamental Frequency

-30.90

-25.77

74.00

54.00

AVG

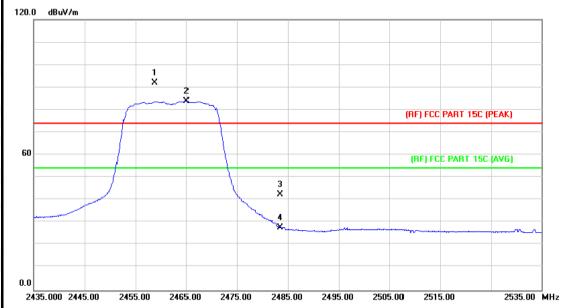
peak

AVG



Page: 54 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | |
|---------------|-------------------------|--------------------|-----------|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | |
| Test Voltage: | AC 120V/60HZ | | | | |
| Ant. Pol. | Vertical | | | | |
| Test Mode: | TX N(HT20) Mode 2462MHz | | | | |
| Remark: | N/A | | 35 _ 6 | | |



| No. | . Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|-----|------|----------|------------------|-------------------|------------------|-------------|-----------|----------|
| | | MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | Detector |
| 1 | X | 2458.800 | 90.98 | 1.06 | 92.04 | Fundamental | Frequency | peak |
| 2 | * | 2465.000 | 82.79 | 1.09 | 83.88 | Fundamental | Frequency | AVG |
| 3 | | 2483.500 | 41.19 | 1.17 | 42.36 | 74.00 | -31.64 | peak |
| 4 | | 2483.500 | 26.60 | 1.17 | 27.77 | 54.00 | -26.23 | AVG |

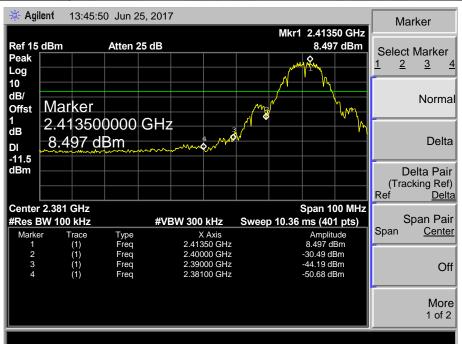


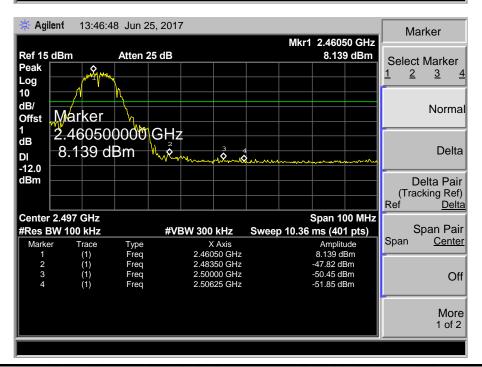


Page: 55 of 76

(2) Conducted Test

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | |
|---------------|---------------------------------------|-------------------------|-----------|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | |
| Test Voltage: | AC 120V/60HZ | | | |
| Test Mode: | TX B Mode 2412MHz / TX B Mode 2462MHz | | | |
| Remark: | The EUT is programed in co | ntinuously transmitting | mode | |

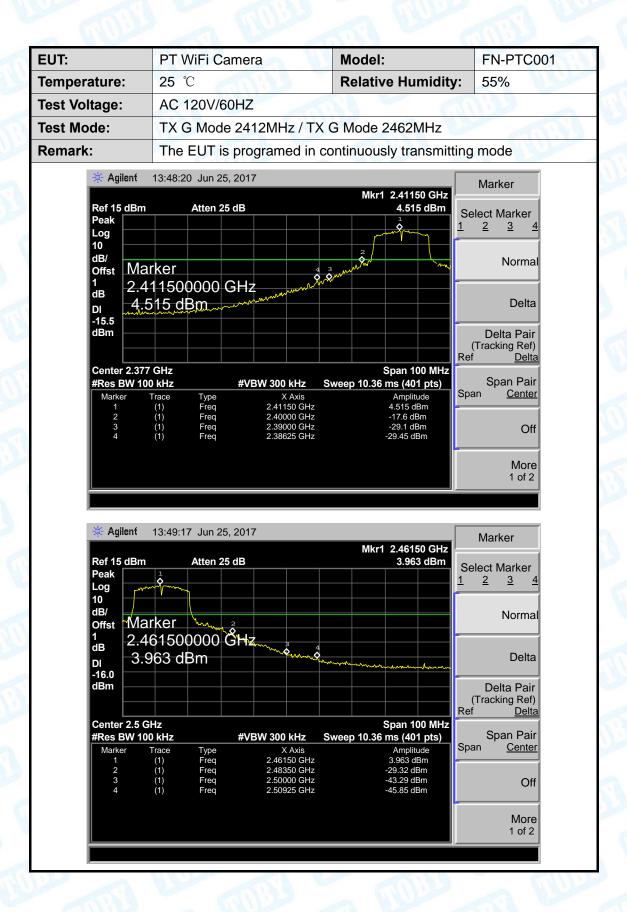








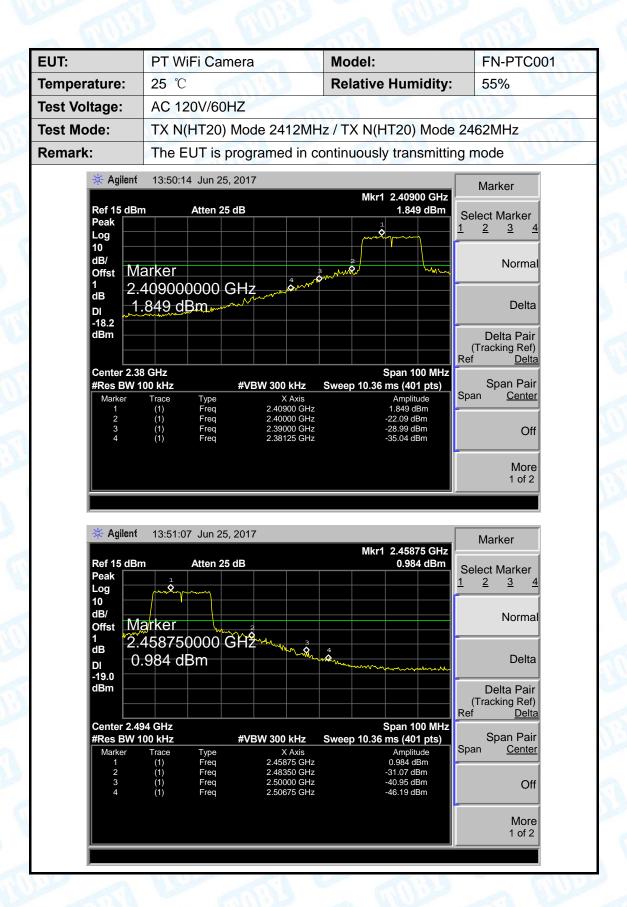
Page: 56 of 76







Page: 57 of 76





Page: 58 of 76

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 Part 15 Subpart C(15.247)/RSS-210 | | | | | | |
|---------------------------------------|--------------------------------------|-------------|--|--|--|--|
| Test Item | 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.



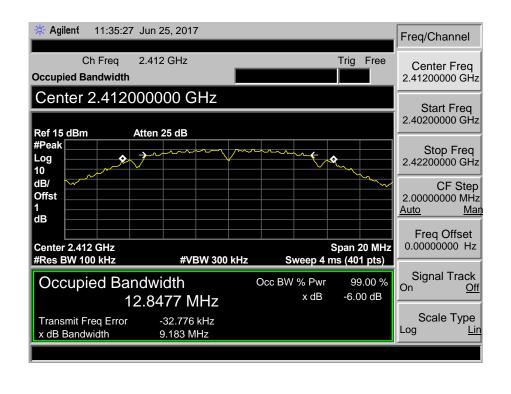
Page: 59 of 76

7.5 Test Data

| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | |
|-----------------|------------------|--------------------|-----------|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | |
| Test Voltage: | AC 120V/60HZ | | | | |
| Test Mode: | TX 802.11B Mode | | a war | | |
| Channel frequen | cy 6dB Bandwidth | 99% Bandwidth | Limit | | |
| (MHz) | (MHz) | (MHz) | (MHz) | | |
| 2412 | 9.183 | 12.8477 | | | |
| 2437 | 9.177 | 12.6596 | >=0.5 | | |
| 2462 | 9.169 | 12.5104 | | | |
| | | | | | |

802.11B Mode

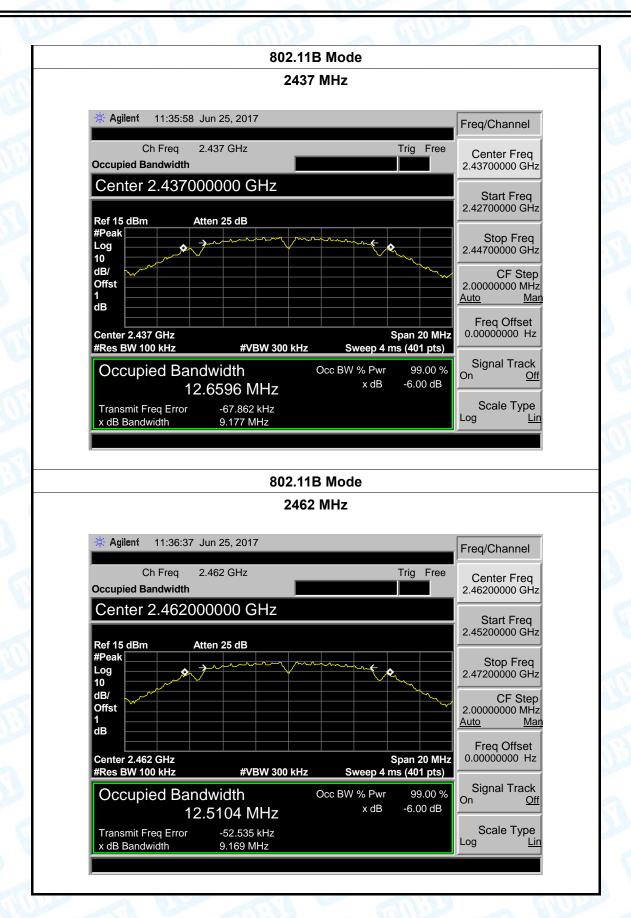
2412 MHz







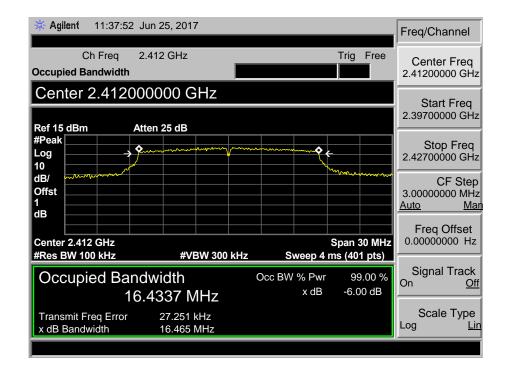
Page: 60 of 76





61 of 76 Page:

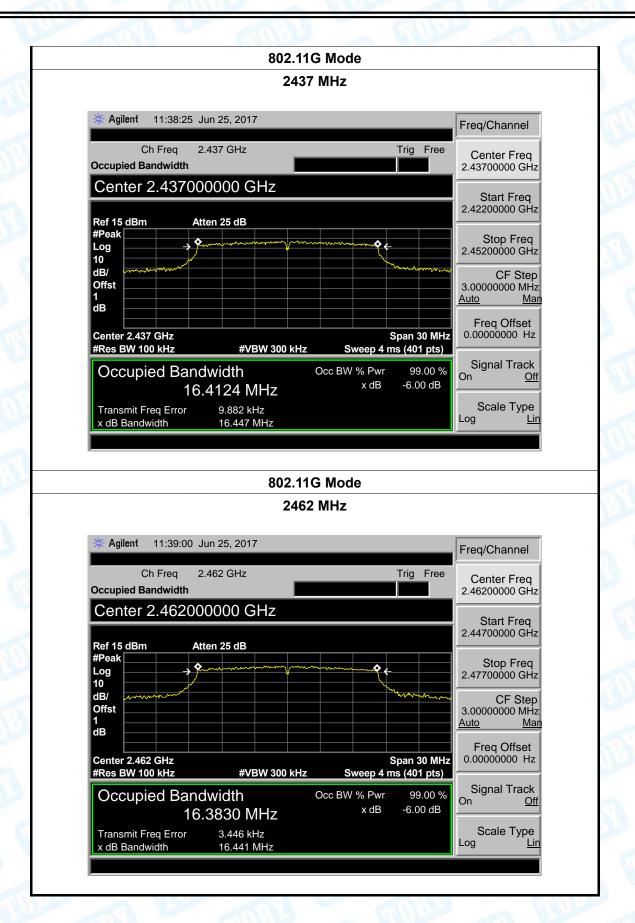
| EUT: | PT WiFi Camera | Model: | FN-PTC001 | | | |
|-----------------|-------------------------|--------------------|-----------|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 55% | | | |
| Test Voltage: | AC 120V/60HZ | | 1339 | | | |
| Test Mode: | t Mode: TX 802.11G Mode | | | | | |
| Channel frequen | cy 6dB Bandwidth | 99% Bandwidth | Limit | | | |
| (MHz) | (MHz) | (MHz) | (MHz) | | | |
| 2412 | 16.465 | 16.4337 | | | | |
| 2437 | 16.447 | 16.4124 | >=0.5 | | | |
| 2462 | 16.441 | 16.3830 | | | | |
| 802.11G Mode | | | | | | |
| | 2412 MHz | | | | | |





Page: 62 of 76







Center 2.412 GHz #Res BW 100 kHz

Transmit Freq Error x dB Bandwidth

Occupied Bandwidth

Report No.: TB-FCC153920

63 of 76 Page:

| EUT: | PT WiFi Camera | Model: | FN-PTC001 |
|--|---|---------------|--|
| Temperature: | emperature: 25 °C R | | 55% |
| Test Voltage: | AC 120V/60HZ | | 1:33 |
| Test Mode: | TX 802.11N(HT20) Mode | | |
| Channel freque | ncy 6dB Bandwidth | 99% Bandwidth | Limit |
| (MHz) | (MHz) | (MHz) | (MHz) |
| 2412 | 17.804 | 17.6800 | |
| 2437 | 17.827 | 17.6756 | >=0.5 |
| 2462 | 17.841 | 17.6536 | |
| | 802.11N(H | Γ20) Mode | |
| | 2412 | MHz | |
| * Agilent | 11:39:59 Jun 25, 2017 | | eq/Channel |
| | 11:39:59 Jun 25, 2017 Ch Freq 2.412 GHz | Trig Free | eq/Channel Center Freq 11200000 GHz |
| Occupied B | 11:39:59 Jun 25, 2017 Ch Freq 2.412 GHz andwidth 2.412000000 GHz | Trig Free | Center Freq |
| Occupied B | 11:39:59 Jun 25, 2017 Ch Freq 2.412 GHz andwidth 2.412000000 GHz | Trig Free 2.4 | Center Freq 11200000 GHz |
| Occupied B Center Ref 15 dBm #Peak Log 10 | 11:39:59 Jun 25, 2017 Ch Freq 2.412 GHz Sandwidth 2.412000000 GHz Atten 25 dB | Trig Free 2.4 | Center Freq 41200000 GHz Start Freq 39700000 GHz Stop Freq 42700000 GHz CF Step |

#VBW 300 kHz

17.6800 MHz

25.738 kHz 17.804 MHz

Span 30 MHz Sweep 4 ms (401 pts)

99.00 %

-6.00 dB

Occ BW % Pwr

x dB

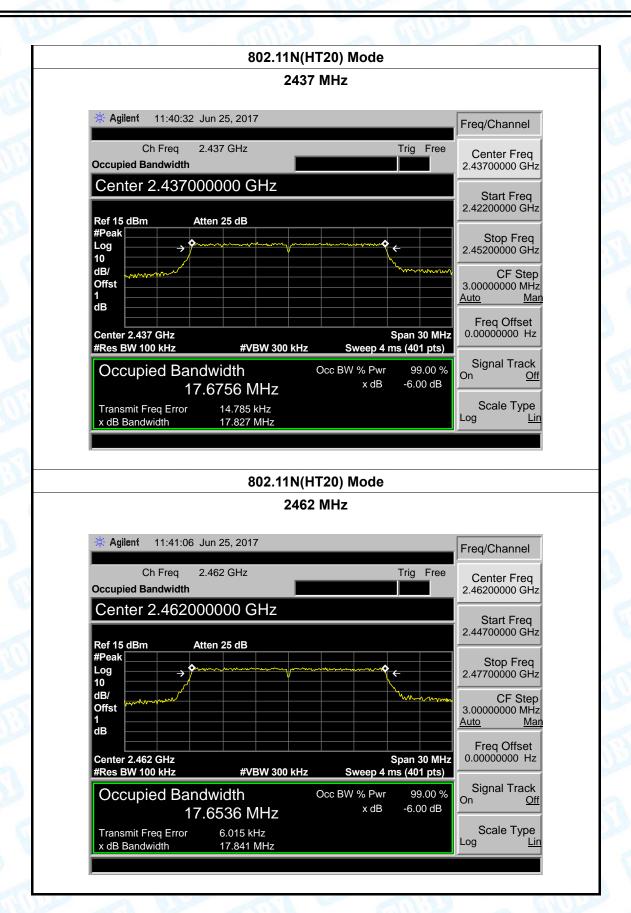
Signal Track

Scale Type

On



64 of 76 Page:





Page: 65 of 76

8. Peak Output Power Test

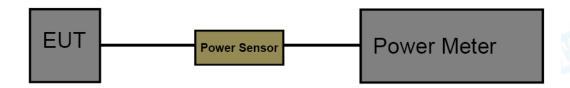
8.1 Test Standard and Limit

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 Rar | | | | | |
| 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.



Page: 66 of 76

8.5 Test Data

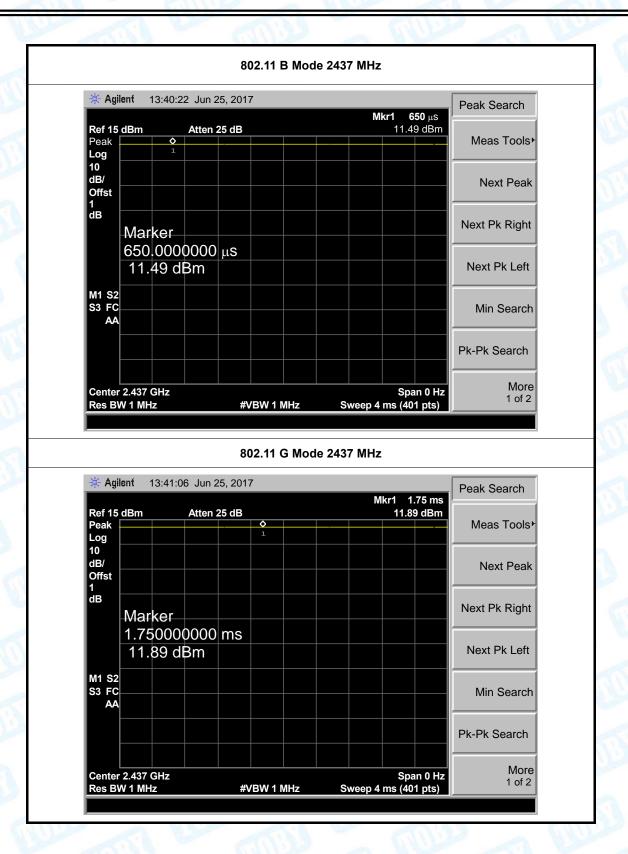
| EUT: | PT WiFi Camera | | Model: | FN-PTC001 |
|-------------------|----------------------------|-----------------|-----------------|---|
| Temperature: | 25 ℃ | Relative Humidi | | 55% |
| Test Voltage: | AC 120V/60HZ | 1300 | | CONTRACTOR OF THE PARTY OF THE |
| Mode | Channel frequency (MHz) | Tes | st Result (dBm) | Limit (dBm) |
| 802.11b | 2412 | | 18.06 | |
| | 2437 | | 17.61 | |
| | 2462 | 16.76 | | |
| | 2412 | | 17.11 | |
| 802.11g | 2437 | 17.27 | | 30 |
| | 2462 | | 16.78 | |
| 000 44 | 2412 | | 15.51 | |
| 802.11n (HT20) | 2437 | 15.10 | | |
| (11120) | 2462 | 14.83 | | |
| | Resi | ult: I | PASS | |

| Duty Cycle | | | |
|-------------------|-------------------------|-------------|--|
| Mode | Channel frequency (MHz) | Test Result | |
| 802.11b | 2412 | | |
| | 2437 | | |
| | 2462 | | |
| 802.11g | 2412 | | |
| | 2437 | >98% | |
| | 2462 | | |
| 802.11n (HT20) | 2412 | | |
| | 2437 | | |
| | 2462 | | |



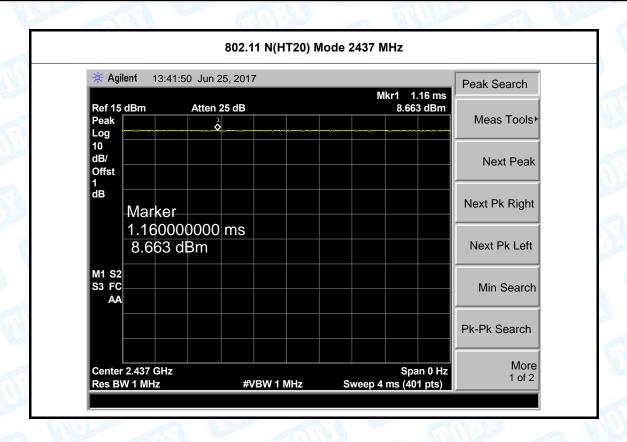
Report No.: TB-FCC153920 67 of 76







Page: 68 of 76





Page: 69 of 76

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 | 8dBm(in any 3 kHz) | 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.



Page: 70 of 76

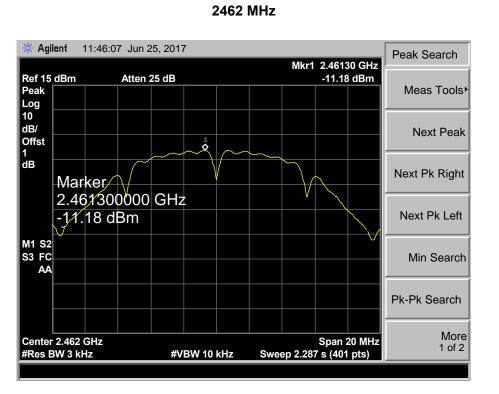
9.5 Test Data

| Γ: | PT WiFi Ca | amera | Model: | | FN-PTC00 | |
|---|---|--------------------|----------|----------------------|--|--|
| nperature: | 25 ℃ | Relative Humidity: | | ımidity: | : 55% | |
| t Voltage: | AC 120V/6 | 60HZ | | SW 18 | Cali | |
| t Mode: | TX 802.11I | B Mode | - ONL | | 0 W | |
| Channel Freq | uency | Power | Density | | Limit | |
| (MHz) | | (dBm | /3 kHz) | | (dBm) | |
| 2412 | | -10 | 0.79 | | | |
| 2437 | | -10 |).78 | | 8 | |
| 2462 | | -1′ | 1.18 | | | |
| | 1 | 802.11 | B Mode | • | | |
| | | 2412 | 2 MHz | | | |
| | | | | | | |
| | | | | | | |
| | 11:44:50 Jun 25 | 5 2017 | | Г | | |
| * Agilent | 11:44:50 Jun 25 | 5, 2017 | Mkr1 2.4 | 1280 GHz | Peak Search | |
| Ref 15 dBm | 11:44:50 Jun 25 | | | 1280 GHz 0.79 dBm | Peak Search Meas Tools | |
| Ref 15 dBm Peak Log | | | | | | |
| Ref 15 dBm Peak Log 10 dB/ | | 5 dB | | | | |
| Ref 15 dBm Peak Log 10 dB/ Offst 1 | | | | | Meas Tools • | |
| Ref 15 dBm Peak Log 10 dB/ Offst 1 dB | Atten 2 | 5 dB | | | Meas Tools • | |
| Ref 15 dBm Peak Log 10 dB/ Offst 1 dB | Atten 2 | 5 dB | | | Meas Tools• Next Peak | |
| Ref 15 dBm Peak Log 10 dB/ Offst 1 dB Ma 2.4 | Atten 2 | 5 dB | | | Meas Tools• Next Peak | |
| Ref 15 dBm Peak Log 10 dB/ Offst 1 dB Ma. 2.4 -10 | Atten 2: | 5 dB | | | Meas Tools Next Peak Next Pk Right Next Pk Left | |
| Ref 15 dBm Peak Log 10 dB/ Offst 1 dB Ma 2.4 10 M1 S2 S3 FC | Atten 2: | 5 dB | | | Meas Tools Next Peak Next Pk Right | |
| Ref 15 dBm Peak Log 10 dB/ Offst 1 dB Ma. 2.4 -10 | Atten 2: | 5 dB | | | Meas Tools Next Peak Next Pk Right Next Pk Left Min Search | |
| Ref 15 dBm Peak Log 10 dB/ Offst 1 dB Ma 2.4 10 M1 S2 S3 FC | Atten 2: | 5 dB | | | Meas Tools Next Peak Next Pk Right Next Pk Left | |
| Ref 15 dBm Peak Log 10 dB/ Offst 1 dB Ma 2.4 10 M1 S2 S3 FC | Atten 2: rker 12800000 .79 dBm | 5 dB | -10 | | Meas Tools Next Peak Next Pk Right Next Pk Left Min Search | |



71 of 76 Page:







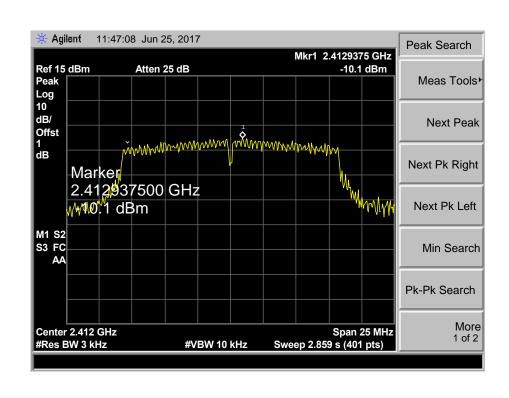
Page: 72 of 76

| EUT: | PT WiFi Camera | Model: | FN-PTC001 |
|---------------|-----------------|--------------|-----------|
| Temperature: | 25 ℃ | Temperature: | 25 ℃ |
| Test Voltage: | AC 120V/60HZ | | |
| Test Mode: | TX 802.11G Mode | 10 | |

| Channel Frequency | Power Density | Limit |
|-------------------|---------------|-------|
| (MHz) | (dBm/3 kHz) | (dBm) |
| 2412 | -10.10 | |
| 2437 | -9.833 | 8 |
| 2462 | -10.59 | |

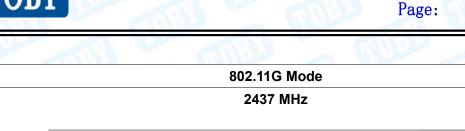
802.11G Mode

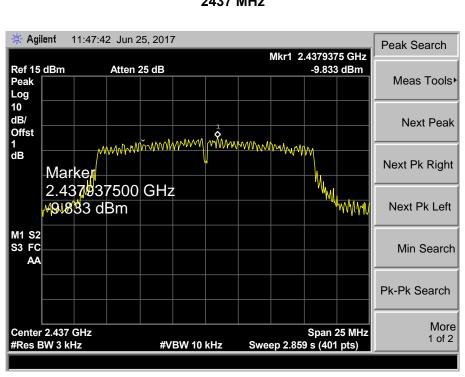
2412 MHz



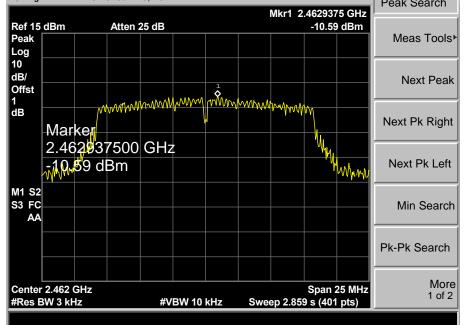


73 of 76





802.11G Mode 2462 MHz 11:48:15 Jun 25, 2017 🔆 Agilent Peak Search Mkr1 2.4629375 GHz



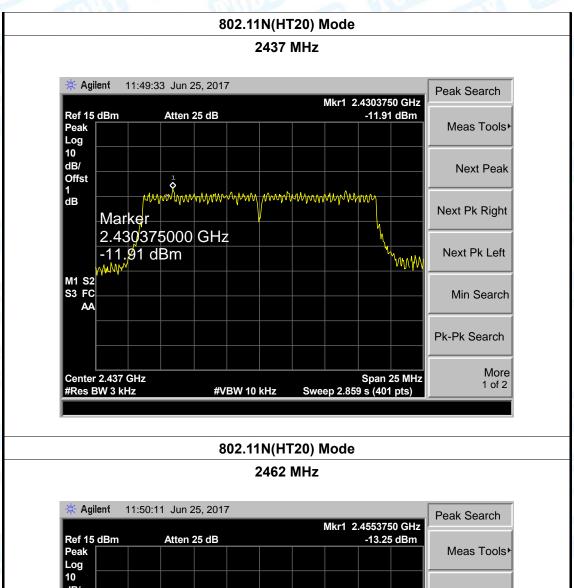


Page: 74 of 76

| EUT: | PT WiFi C | Camera | Mod | el: | FN-PTC001 | |
|---------------------------|---------------------------------|--------------------|------------|-------------|------------------|--|
| Temperature: | 25 ℃ | | Tem | perature: | 25 ℃ | |
| Test Voltage: | AC 120V/ | AC 120V/60HZ | | | | |
| Test Mode: | TX 802.1 | 2.11N(HT20) Mode | | | | |
| Channel Fred | Channel Frequency Power Density | | Limit | | | |
| (MHz) | (MHz) (dBm/3 kHz) | | n/3 kHz) | | (dBm) | |
| 2412 | 2412 | | -12.79 | | | |
| 2437 | 2437 | | 11.91 | | 8 | |
| 2462 | | - | 13.25 | | | |
| | | 802.11N | (HT20) Mod | de | | |
| | | 24 | 12 MHz | | | |
| | | | | | | |
| * Agilent | 11:48:54 Jun : | 25. 2017 | | | D 10 1 | |
| | | Mkr1 2.4098750 GHz | | Peak Search | | |
| Ref 15 dBm Peak Log | Atten | 25 dB | | -12.79 dBr | n Meas Tools⊁ | |
| 10 dB/ Offst | | | | | Next Peak | |



Report No.: TB-FCC153920 Page: 75 of 76





Page: 76 of 76

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 4.5dBi, 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 | | | | |
|-------------------|-----------------------------------|-------|--|--|
| الماليان الماليان | Permanent attached antenna | CITY. | | |
| 3 Burn | ⊠Unique connector antenna | | | |
| | Professional installation antenna | MO: | | |

----END OF REPORT----