# TEST REPORT

| | | |
|---|---|---|
| **Reference No.** | : | WTX25X03058738W002 |
| **FCC ID** | : | 2BPE2-LF02 |
| **Applicant** | : | SVEA(HK)LIMITED |
| **Address** | : | FLAT/RM520, 5/F, CORE BUILDING 1, PH 1,1 SCIENCE PARK EAST AVE, SHA TIN, NT, HK, CHINA |
| **Manufacturer** | : | Sveaverken Intelligent Technology (shenzhen) Co., Ltd. |
| **Address** | : | Room 401-501, Building 13, Nangang Second Industrial Park, No.1026, Songbai Road, Sunshine Community, Xili Street, Nanshan District, Shenzhen |
| **Product Name** | : | RoboPusher Nimbo Plus |
| **Model No.** | : | LF02 |
| **Standards** | : | FCC Part 15.407 |
| **Date of Receipt sample** | : | 2025-03-14 |
| **Date of Test** | : | 2025-03-14 to 2025-03-31; 2025-04-05 to 2025-05-19 |
| **Date of Issue** | : | 2025-05-19 |
| **Test Report Form No.** | : | WTX_Part 15_407W |
| **Test Result** | : | **Pass** |

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.


**Prepared By:**

**Waltek Testing Group (Shenzhen) Co., Ltd.**

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

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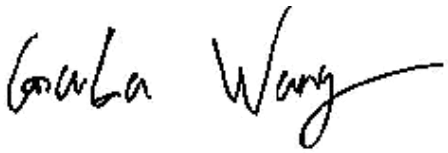
Tested by:



Gala Wang/Project Engineer

Approved by:

Jason Su/Manager

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## Report version

| Version No. | Date of issue | Description |
|---|---|---|
| Rev.00 | 2025-05-19 | Original |
| / | / | / |

# 1. GENERAL INFORMATION

## 1.1 Product Description for Equipment Under Test (EUT)

| **General Description of EUT** | |
|---|---|
| Product Name: | RoboPusher Nimbo Plus |
| Trade Name: | Sveaverken |
| Model No.: | LF02 |
| Adding Model(s): | / |
| Rated Voltage: | AC 120V for Adapter power<br>DC: 58.8V |
| Battery Capacity: | 40000mAh |
| Power Adapter: | Model: H82-48V10A<br>Input: 110-245VAC 45/65Hz<br>Battery: Ternary litium battery 32celles<br>Output voltage : 51.2VDC |
| *Note: The test data is gathered from a production sample, provided by the manufacturer.* | |

| **Technical Characteristics of EUT** | |
|---|---|
| Support Standards: | 802.11a, 802.11n(HT20), 802.11n-HT40 |
| Frequency Range: | 5180-5240MHz, 5745-5825MHz |
| Max. RF Output Power: | 5180-5240MHz:15.51dBm (Conducted)<br>5745-5825MHz:14.52dBm (Conducted) |
| Type of Modulation: | QPSK, 16QAM, 64QAM,256QAM |
| Type of Antenna: | Glue stick antenna |
| Antenna Gain: | 5180-5240MHz:2.64dBi<br>5745-5825MHz:3.20dBi |
| *Note The Antenna Gain is provided by the customer and can affect the validity of results.* | |

## 1.2 Test Standards

The tests were performed according to following standards:

**FCC Rules Part 15.407:** General technical requirements.
**ANSI C63.10-2013:** American National Standard for Testing Unlicensed Wireless Devices.
**KDB789033 D02 v02r01:** Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-Nii) Devices Part 15, Subparte.

**Maintenance of compliance** is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission, should be checked to ensure compliance has been maintained.

## 1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, KDB789033 D02 v02r01
The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted accordingly in reference to the Operating Instructions.

## 1.4 Table for parameters of Test Software setting

Run commands and follow the instructions given by the manufacturer, you can start to test. During testing, Channel and 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.

| Mode | Ant. | Test Frequency (MHz) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NCB: 20MHz | | | | | | | | | | | | |
| | | 5180 | 5200 | 5240 | 5260 | 5280 | 5320 | 5500 | 5580 | 5700 | 5720 | 5745 | 5785 | 5825 |
| 802.11a 6Mbps | ANT 0 | 50 | 50 | 50 | / | / | / | / | / | / | / | 50 | 50 | 50 |
| 802.11n-HT20 MCS0 | ANT 0 | 48 | 48 | 48 | / | / | / | / | / | / | / | 48 | 48 | 48 |
| Mode | Ant. | NCB: 40MHz | | | | | | | | | | | | |
| | | 5190 | 5230 | | 5270 | 5310 | 5510 | | 5550 | 5670 | | 5710 | 5755 | 5795 |
| 802.11n-HT40 MCS0 | ANT 0 | 45 | 45 | | / | / | / | | / | / | | / | 45 | 45 |

## 1.5 EUT Operating during test

EUT was programmed to be in continuously transmitting mode. During the test, EUT operation to normal function and programs under Android were executed.

## 1.6 Test Facility

**Address of the test laboratory**

Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

**FCC – Registration No.: 125990**

Waltek Testing Group (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is mai ntained in our files. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

**Industry Canada (IC) Registration No.: 11464A**

The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A and the CAB identifier is CN0057.

## 1.7 EUT Setup and Test Mode

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, with a duty cycle equal to 100%, and to measure its highest possible emissions level, more detailed description as follows:

| **Test Mode List** | | |
|---|---|---|
| Test Mode | Description | Remark |
| TM1 | 802.11a | 5180MHz,5200MHz,5240MHz,5745MHz, 5785MHz,5825MHz |
| TM2 | 802.11n-HT20 | 5180MHz,5200MHz,5240MHz,5745MHz, 5785MHz,5825MHz |
| TM3 | 802.11n-HT40 | 5190MHz,5230MHz,5755MHz,5795MHz |

| **Test Conditions** | |
|---|---|
| Temperature: | 22~25 °C |
| Relative Humidity: | 45~75 % |
| ATM Pressure: | 1019 mbar |

| **EUT Cable List and Details** | | | |
|---|---|---|---|
| Cable Description | Length (m) | Shielded/Unshielded | With / Without Ferrite |
| AC Cable | 1.4 | Unshielded | Without Ferrite |
| DC Cable | 0.9 | Unshielded | Without Ferrite |

| **Special Cable List and Details** | | | |
|---|---|---|---|
| Cable Description | Length (m) | Shielded/Unshielded | With / Without Ferrite |
| / | / | / | / |

| **Auxiliary Equipment List and Details** | | | |
|---|---|---|---|
| Description | Manufacturer | Model | Serial Number |
| / | / | / | / |

## 1.8 Measurement Uncertainty

| **Measurement uncertainty** | | |
|---|---|---|
| Parameter | Conditions | Uncertainty |
| RF Output Power | Conducted | 0.57dB |
| Occupied Bandwidth | Conducted | 0.015MHz |
| Power Spectral Density | Conducted | 1.8dB |
| Conducted Spurious Emission | Conducted | 2.17dB |
| Conducted Emissions | Conducted | 9-150kHz, 3.74dB |
| | | 0.15-30MHz, 3.34dB |
| Transmitter Spurious Emissions | Radiated | 30-200MHz, 4.52dB |
| | | 0.2-1GHz 5.56dB |
| | | 1-6GHz, 3.84dB |
| | | 6-18GHz, 3.92dB |

## 1.9 Test Equipment List and Details

| Fixed asset Number | Description | Manufacturer | Model | Serial No. | Cal Date | Due. Date |
|---|---|---|---|---|---|---|
| WTXE1041A1001 | Communication Tester | Rohde & Schwarz | CMW500 | 148650 | 2025-02-23 | 2026-02-22 |
| WTXE1005A1005 | Spectrum Analyzer | Agilent | N9020A | US47140102 | 2025-02-23 | 2026-02-22 |
| WTXE1084A1001 | Spectrum Analyzer | Agilent | N9020A | MY54320548 | 2025-02-23 | 2026-02-22 |
| WTXE1004A1-001 | Spectrum Analyzer | Rohde & Schwarz | FSP40 | 100612 | 2025-02-23 | 2026-02-22 |
| WTXE1103A1003 | Attenuator | Pasternack | PE4007-4 | / | 2025-02-23 | 2026-02-22 |
| WTXE1003A1-005 | Coaxial Cable | / | 0M4RFC | / | 2025-02-23 | 2026-02-22 |
| ☐ Chamber A: Below 1GHz | | | | | | |
| WTXE1005A1003 | Spectrum Analyzer | Rohde & Schwarz | FSP30 | 836079/035 | 2025-02-23 | 2026-02-22 |
| WTXE1001A1001 | EMI Test Receiver | Rohde & Schwarz | ESPI | 101611 | 2025-02-23 | 2026-02-22 |
| WTXE1007A1001 | Amplifier | HP | 8447F | 2805A03475 | 2025-02-23 | 2026-02-22 |
| WTXE1010A1007 | Loop Antenna | Schwarz beck | FMZB 1516 | 9773 | 2024-02-26 | 2026-02-25 |
| WTXE1010A1006 | Broadband Antenna | Schwarz beck | VULB9163 | 9163-333 | 2025-02-23 | 2026-02-22 |
| WTXE1104A1032-1 | Coaxial Cable | / | RC_6G-N-M | / | 2025-02-23 | 2026-02-22 |
| WTXE1104A1032-2 | Coaxial Cable | / | RC_6G-N-M | / | 2025-02-23 | 2026-02-22 |
| WTXE1104A1032-3 | Coaxial Cable | / | RC_6G-N-M | / | 2025-02-23 | 2026-02-22 |
| ☐ Chamber A: Above 1GHz | | | | | | |
| WTXE1005A1003 | Spectrum Analyzer | Rohde & Schwarz | FSP30 | 836079/035 | 2025-02-23 | 2026-02-22 |
| WTXE1001A1001 | EMI Test Receiver | Rohde & Schwarz | ESPI | 101611 | 2025-02-23 | 2026-02-22 |
| WTXE1065A1001 | Amplifier | C&D | PAP-1G18 | 2002 | 2025-02-23 | 2026-02-22 |
| WTXE1010A1005 | Horn Antenna | ETS | 3117 | 00086197 | 2025-02-23 | 2026-02-22 |

| | | | | | | |
|---|---|---|---|---|---|---|
| WTXE1010A 1010 | DRG Horn Antenna | A.H. SYSTEMS | SAS-574 | 571 | 2024-03-17 | 2026-03-16 |
| WTXE1003A 1001 | Pre-amplifier | Schwarzbeck | BBV 9721 | 9721-031 | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1033-1 | Coaxial Cable | / | C16-07-07 | / | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1033-2 | Coaxial Cable | / | C16-07-07 | / | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1033-3 | Coaxial Cable | / | C16-07-07 | / | 2025-02-23 | 2026-02-22 |
| ☐ Chamber B:Below 1GHz | | | | | | |
| WTXE1010A 1006 | Trilog Broadband Antenna | Schwarz beck | VULB9163(B) | 9163-635 | 2024-03-17 | 2027-03-16 |
| WTXE1038A 1001 | Amplifier | Agilent | 8447D | 2944A10457 | 2025-02-23 | 2026-02-22 |
| WTXE1001A 1002 | EMI Test Receiver | Rohde & Schwarz | ESPI | 101391 | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1031-1 | Coaxial Cable | / | 1.5MRFC-LWB3 | / | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1031-2 | Coaxial Cable | / | RG 316 | / | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1031-3 | Coaxial Cable | / | RG 316 | / | 2025-02-23 | 2026-02-22 |
| ☒ Chamber C:Below 1GHz | | | | | | |
| WTXE1093A 1001 | EMI Test Receiver | Rohde & Schwarz | ESIB 26 | 100401 | 2025-02-23 | 2026-02-22 |
| WTXE1010A 1013-1 | Trilog Broadband Antenna | Schwarz beck | VULB 9168 | 1194 | 2024-04-18 | 2027-04-17 |
| WTXE1010A 1007 | Loop Antenna | Schwarz beck | FMZB 1516 | 9773 | 2024-02-26 | 2026-02-25 |
| WTXE1007A 1002 | Amplifier | HP | 8447F | 2944A03869 | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1034-1 | Coaxial Cable | / | RC_6G-N-M | / | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1034-2 | Coaxial Cable | / | RC_6G-N-M | / | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1034-3 | Coaxial Cable | / | RC_6G-N-M | / | 2025-02-23 | 2026-02-22 |
| ☒ Chamber C: Above 1GHz | | | | | | |
| WTXE1093A | EMI Test | Rohde & | ESIB 26 | 100401 | 2025-02-23 | 2026-02-22 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1001 | Receiver | Schwarz | | | | |
| WTXE1103A 1005 | Horn Antenna | POAM | RTF-118A | 1820 | 2023-03-10 | 2026-03-09 |
| WTXE1103A 1006 | Amplifier | Tonscend | TAP01018050 | AP22E806 235 | 2025-02-23 | 2026-02-22 |
| WTXE1010A 1010 | DRG Horn Antenna | A.H. SYSTEMS | SAS-574 | 571 | 2024-03-17 | 2026-03-16 |
| WTXE1003A 1001 | Pre-amplifier | Schwarzbeck | BBV 9721 | 9721-031 | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1035-1 | Coaxial Cable | / | RC-18G-N-M | / | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1035-2 | Coaxial Cable | / | RC-18G-N-M | / | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1035-3 | Coaxial Cable | / | RC-18G-N-M | / | 2025-02-23 | 2026-02-22 |
| ☐ Conducted Room 1# | | | | | | |
| WTXE1104A 1029 | EMI Test Receiver | Rohde & Schwarz | ESCI | 100525 | 2024-12-08 | 2025-12-07 |
| WTXE1002A 1001 | Pulse Limiter | Rohde & Schwarz | ESH3-Z2 | 100911 | 2025-02-23 | 2026-02-22 |
| WTXE1003A 1001 | AC LISN | Schwarz beck | NSLK8126 | 8126-279 | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1036 | Coaxial Cable | / | RG 316 | / | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1038 | Coaxial Cable | / | 6MRFC-DP | / | 2025-02-23 | 2026-02-22 |
| ☐ Conducted Room 2# | | | | | | |
| WTXE1001A 1004 | EMI Test Receiver | Rohde & Schwarz | ESPI | 101259 | 2025-02-23 | 2026-02-22 |
| WTXE1003A 1003 | LISN | Rohde & Schwarz | ENV 216 | 100097 | 2025-02-23 | 2026-02-22 |
| WTXE1104A 1037 | Coaxial Cable | / | RG 316 | / | 2025-02-23 | 2026-02-22 |

| Software List | | | |
|---|---|---|---|
| **Description** | **Manufacturer** | **Model** | **Version** |
| EMI Test Software (Radiated Emission A) | Farad | EZ-EMC | RA-03A1 (1.1.4.2) |
| EMI Test Software (Radiated Emission B) | Farad | EZ-EMC | RA-03A1 (1.1.4.2) |
| EMI Test Software (Radiated Emission C) | Farad | EZ-EMC | RA-03A1-2 (1.1.4.2) |
| EMI Test Software (Conducted Emission Room 1#) | Farad | EZ-EMC | 3A1*CE-RE 1.1.4.3 |
| EMI Test Software (Conducted Emission Room 2#) | Farad | EZ-EMC | 3A1*CE-RE 1.1.4.3 |

*Remark: indicates software version used in the compliance certification testing.

# 2. SUMMARY OF TEST RESULTS

| FCC Rules | Description of Test Item | Result |
|---|---|---|
| §15.203; §15.405 | Antenna Requirement | Compliant |
| 15.407 (c) | Automatically Discontinue Transmission | Compliant |
| §15.207; §15.407(b)(6) | Conducted Emission | N/A |
| §15.407(a)(1),(2) | Power Spectral Density | N/A |
| §15.407(e) | Emission Bandwidth and Occupied Bandwidth | N/A |
| §15.407(a)(1),(2) | Maximum Conducted Output Power | N/A |
| §15.407(b)(1),(2),(3),(4) | Undesirable emission | N/A |
| §15.205; §15.407(b)(1),(2),(3) | Radiated Emission | Compliant |
| §15.407(g) | Frequency Stability | N/A |
| §15.407(h) | Dynamic Frequency Selection (DFS) | N/A |

Class II Permissive Change: The device is added with a laser radar function. No change in radio parameters has occurred.

Note: Report is for Class II Permissive Change only. Updated test data include Antenna Requirement, Conducted Emission and Radiated Emission. The test data refer to Original equipment (FCC ID: 2BPE2-LF02), the original FCC ID issue date: 05/25/2025.

# 3. Antenna Requirement

## 3.1 Standard Applicable

According to FCC Part 15.203, 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.

## 3.2 Evaluation Information

This product has a Glue stick antenna, fulfill the requirement of this section.

# 4. Automatically Discontinue Transmission

## 4.1 Standard Applicable

According to FCC Part 15.407(c), the device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

## 4.2 Summary of Test Results

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

# 5. Radiated Spurious Emissions

## 5.1 Standard Applicable

According to §15.407(b), undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25GHz band: All emissions outside of the 5.15-5.35GHz band shall not exceed an e.i.r.p. of −27dBm/MHz.

(2) For transmitters operating in the 5.25-5.35GHz band: All emissions outside of the 5.15-5.35GHz band shall not exceed an e.i.r.p. of −27dBm/MHz.

(3) For transmitters operating in the 5.47-5.725GHz band: All emissions outside of the 5.47-5.725GHz band shall not exceed an e.i.r.p. of −27dBm/MHz.

(4) For transmitters operating in the 5.725-5.85GHz band:

(i) All emissions shall be limited to a level of −27dBm/MHz at 75MHz or more above or below the band edge increasing linearly to 10dBm/MHz at 25MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6dBm/MHz at 5MHz above or below the band edge, and from 5MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

According to §15.407(b)(6), Unwanted emissions below 1GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

According to §15.407(b)(7), The provisions of §15.205 apply to intentional radiators operating under this section.

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If radiated measurements are performed, field strength is then converted to EIRP as follows:

EIRP = ((E*d)^2) / 30

where:

• E is the field strength in V/m;

• d is the measurement distance in meters;

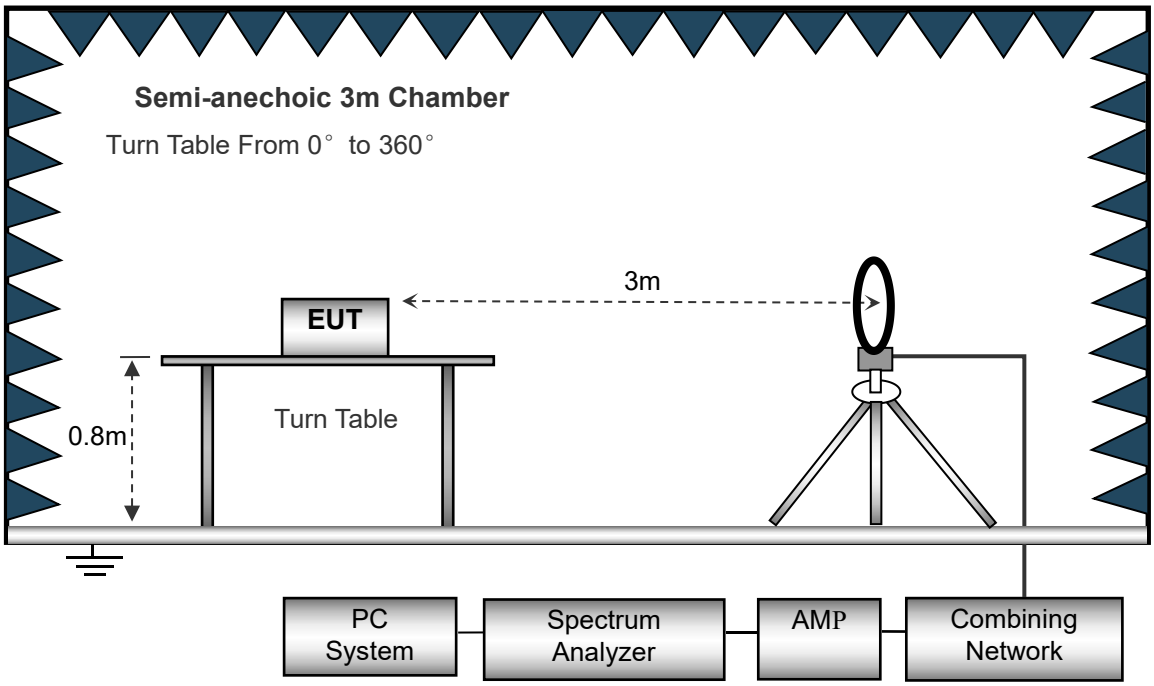
• EIRP is the equivalent isotropically radiated power in watts.

## 5.2 Test Procedure

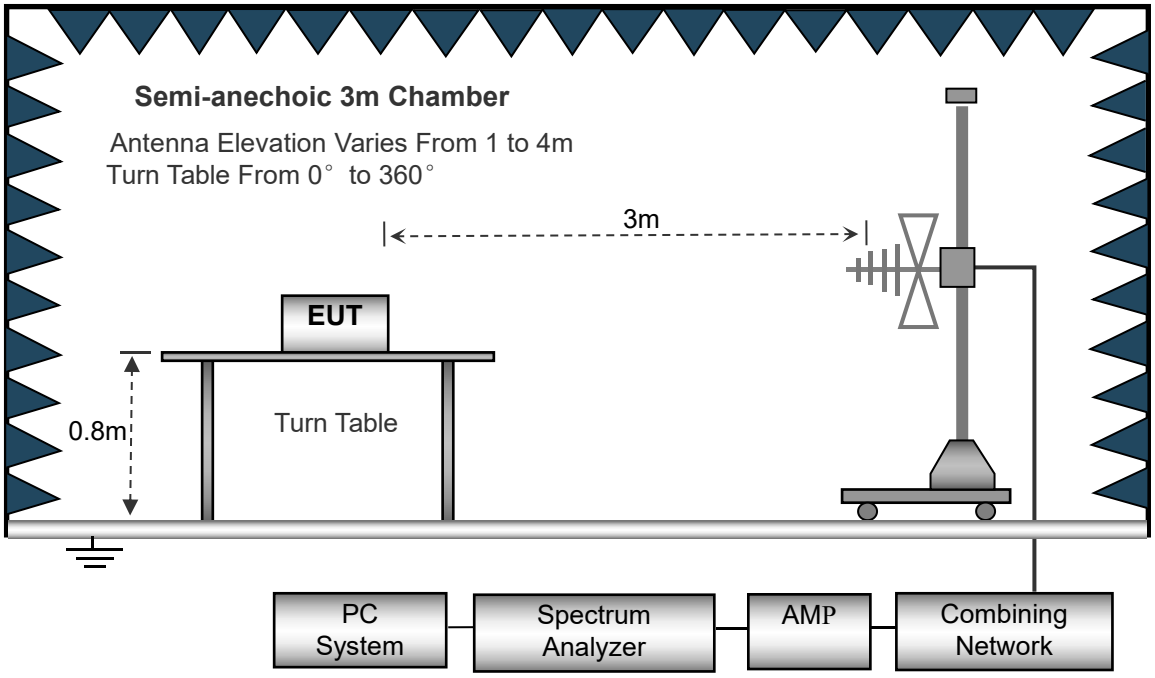
The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.205 15.407(b)(6) and FCC Part 15.209 Limit..

The external I/O cables were draped along the test table and formed a bundle 30 to 40cm long in the middle. The spacing between the peripherals was 10cm.

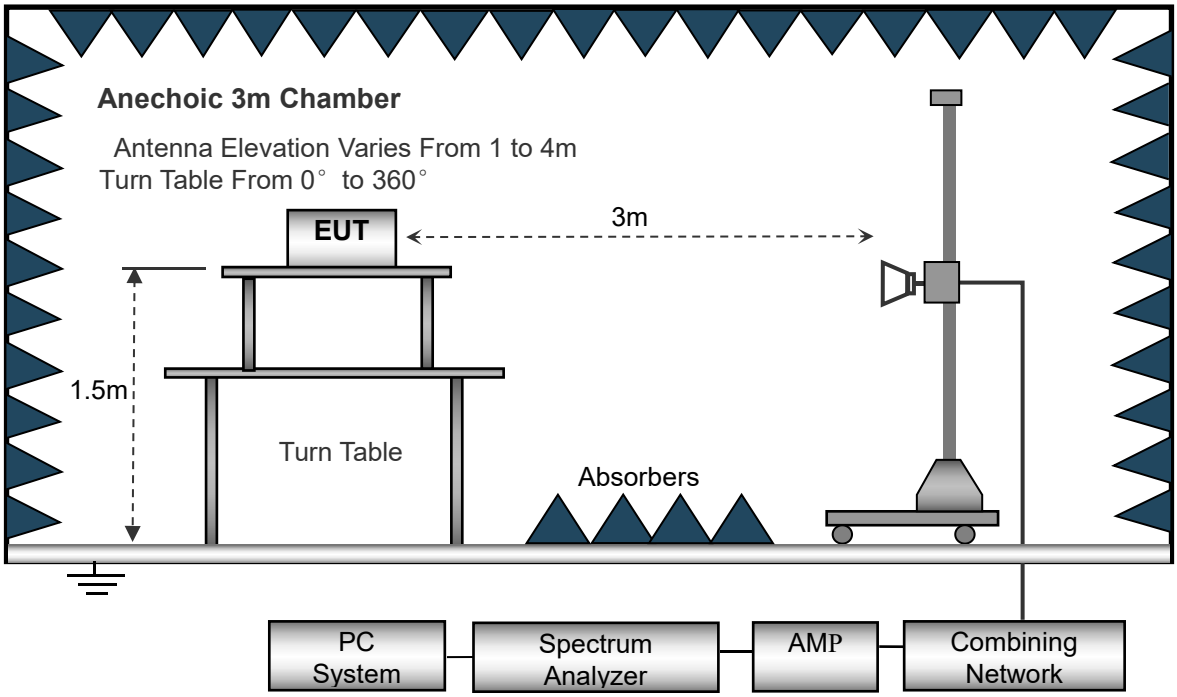
The test setup for emission measurement below 30MHz.




The test setup for emission measurement from 30MHz to 1GHz.



The test setup for emission measurement above 1GHz.




## 5.3 Test Receiver Setup

During the radiated emission test for above 1GHz, the test receiver was set with the following configurations:

For peak detector:
RBW = 1000kHz, VBW = 3000kHz, Sweep Time = Auto

For average detector:
RBW = 1000kHz, VBW = 10Hz, Sweep Time = Auto

## 5.4 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Ant. Factor + Cable Loss – Ampl. Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dBμV means the emission is 6dBμV below the maximum limit for Class B. The equation for margin calculation is as follows:

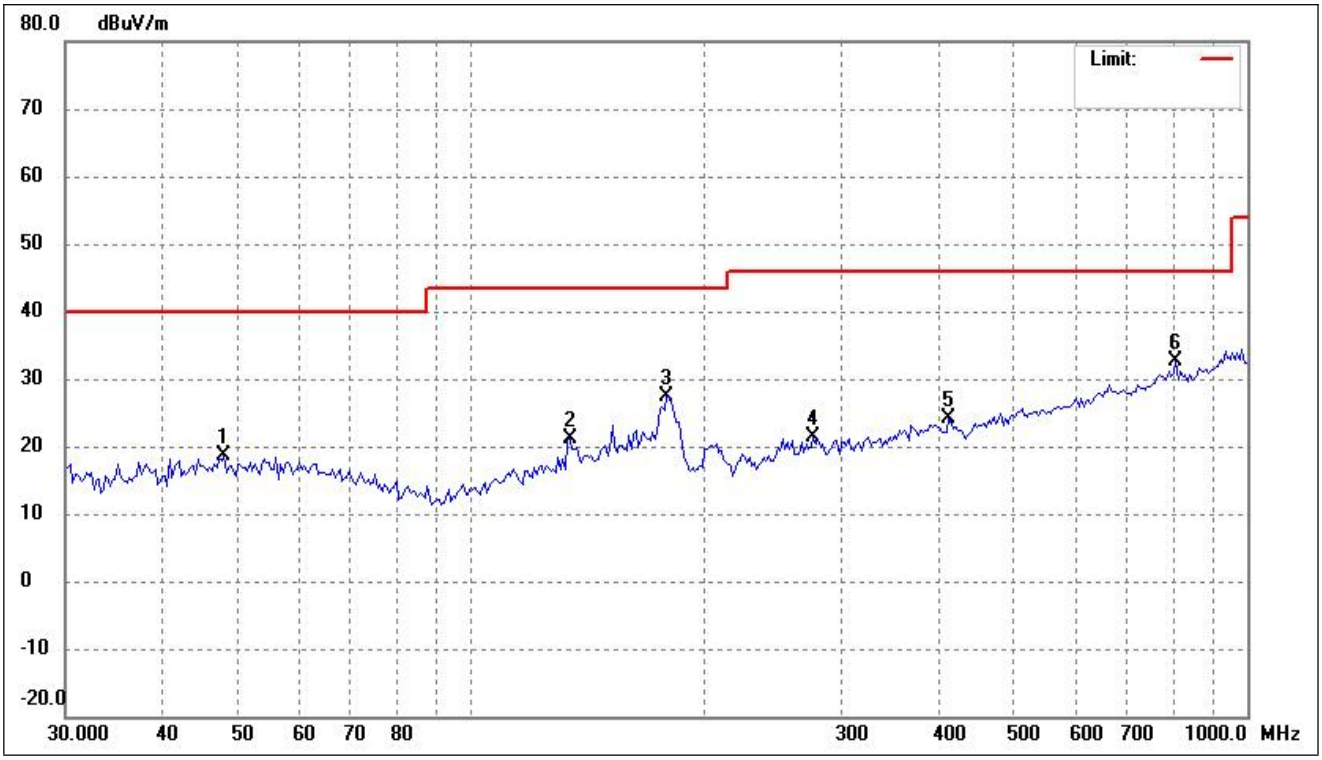
Margin = Corr. Ampl. – FCC Part 15 Limit

## 5.5 Summary of Test Results/Plots

***Note:*** *this EUT was tested in 3 orthogonal positions and the worst case position data was reported.*

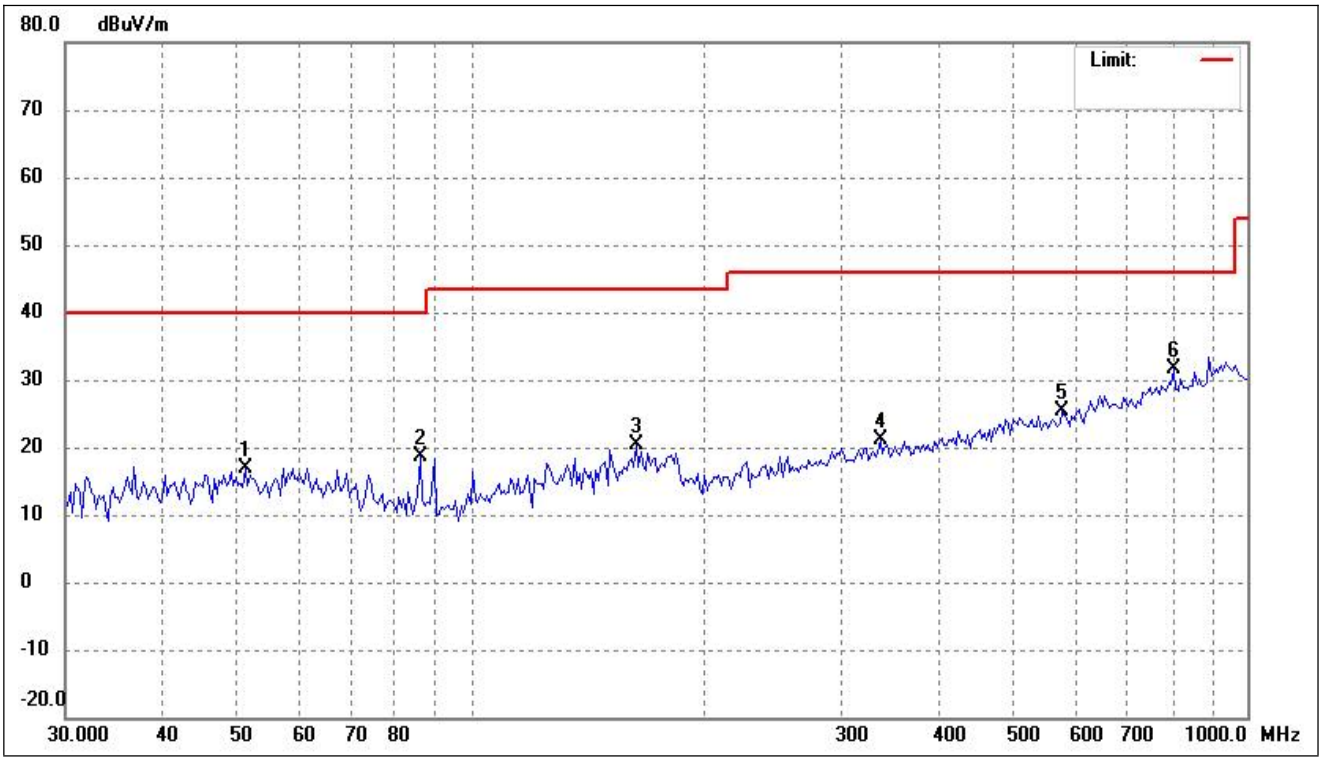
- Spurious Emission From 30MHz to 1GHz
- 5150-5250MHz

| 802.11a | | | |
|---|---|---|---|
| Test Channel | 5180MHz(Worst case) | Polarity: | Horizontal |



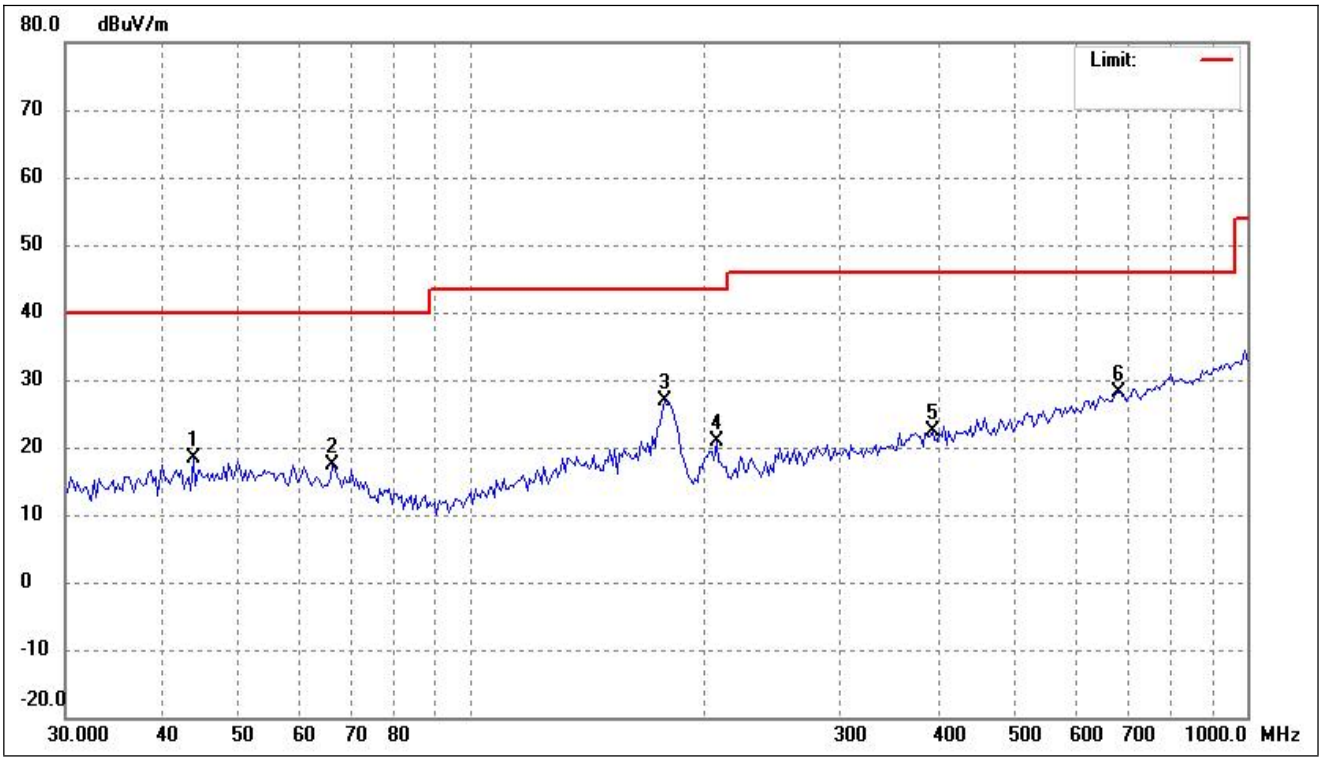

| No. | Frequency | Reading | Correct | Result | Limit | Margin | Degree | Height | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | ( ) | (cm) | |
| 1 | 48.0392 | 27.74 | -9.02 | 18.72 | 40.00 | -21.28 | - | - | peak |
| 2 | 134.0194 | 30.92 | -9.74 | 21.18 | 43.50 | -22.32 | - | - | peak |
| 3 | 178.7697 | 37.11 | -9.73 | 27.38 | 43.50 | -16.12 | - | - | peak |
| 4 | 276.3818 | 29.75 | -8.46 | 21.29 | 46.00 | -24.71 | - | - | peak |
| 5 | 412.5395 | 29.98 | -5.94 | 24.04 | 46.00 | -21.96 | - | - | peak |
| 6 | 809.9238 | 31.62 | 1.00 | 32.62 | 46.00 | -13.38 | - | - | peak |

| 802.11a | | | |
|---|---|---|---|
| Test Channel | 5180MHz(Worst case) | Polarity: | Vertical |



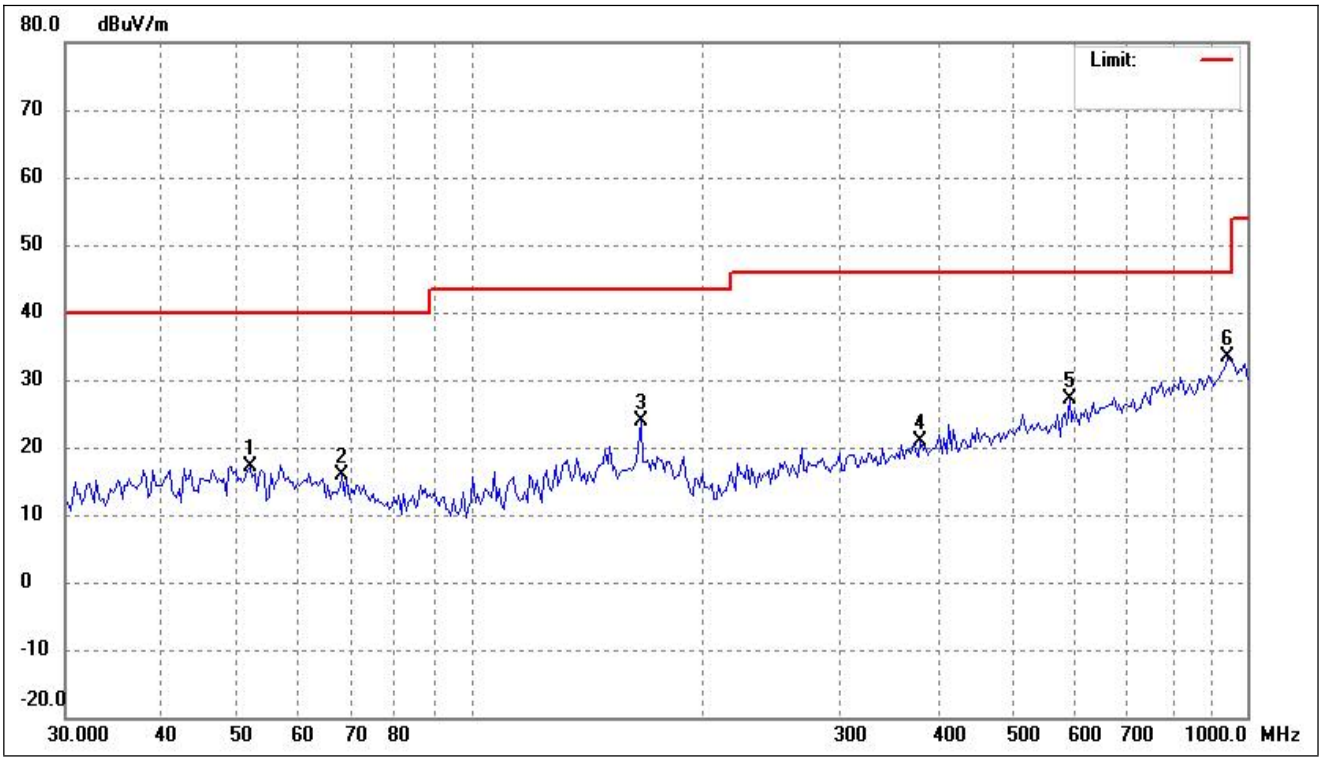

| No. | Frequency | Reading | Correct | Result | Limit | Margin | Degree | Height | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | ( ) | (cm) | |
| 1 | 51.1756 | 25.77 | -8.99 | 16.78 | 40.00 | -23.22 | - | - | peak |
| 2 | 86.0796 | 32.78 | -14.07 | 18.71 | 40.00 | -21.29 | - | - | peak |
| 3 | 163.1623 | 28.84 | -8.58 | 20.26 | 43.50 | -23.24 | - | - | peak |
| 4 | 336.4817 | 28.21 | -7.10 | 21.11 | 46.00 | -24.89 | - | - | peak |
| 5 | 578.0359 | 28.13 | -2.76 | 25.37 | 46.00 | -20.63 | - | - | peak |
| 6 | 804.2523 | 30.61 | 1.01 | 31.62 | 46.00 | -14.38 | - | - | peak |

| 802.11n-HT20 | | | |
|---|---|---|---|
| Test Channel | 5180MHz(worst case) | Polarity: | Horizontal |



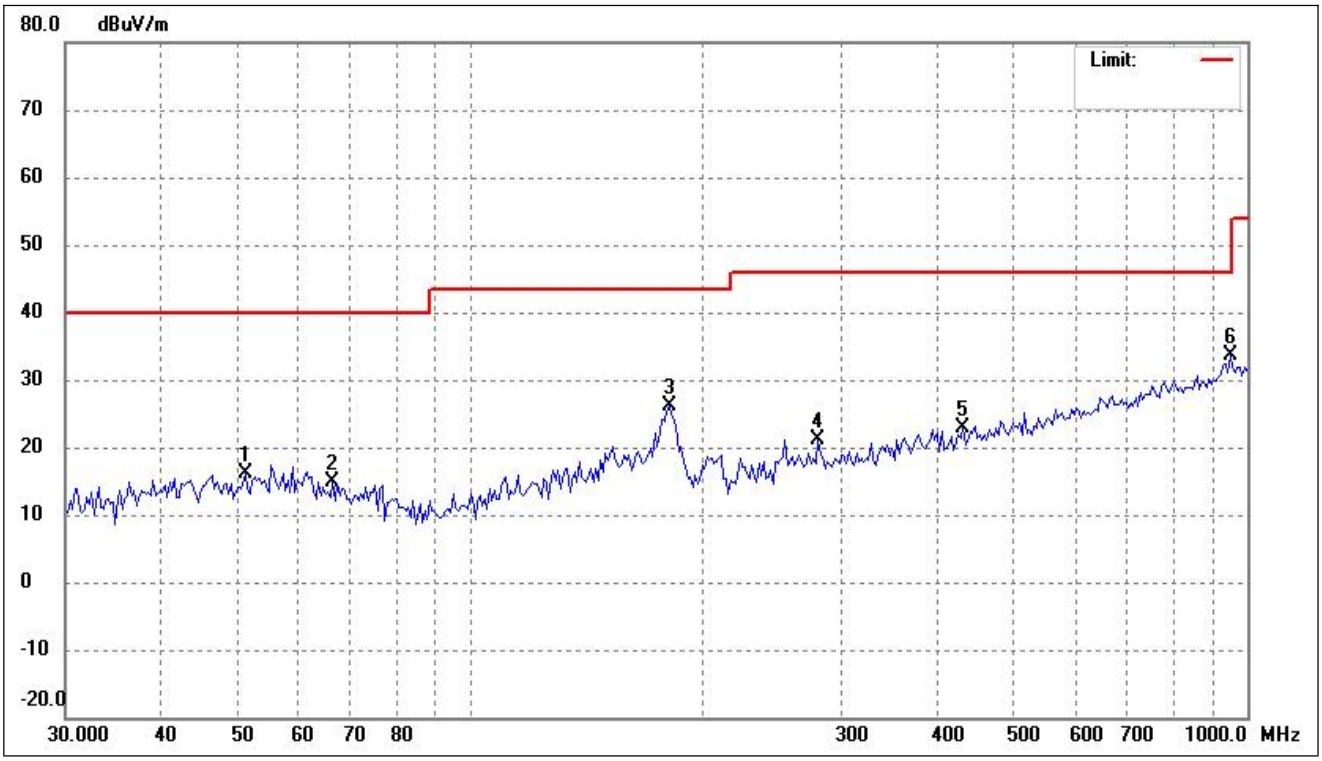

| No. | Frequency | Reading | Correct | Result | Limit | Margin | Degree | Height | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | ( ) | (cm) | |
| 1 | 43.8452 | 27.44 | -9.16 | 18.28 | 40.00 | -21.72 | - | - | peak |
| 2 | 66.3715 | 27.84 | -10.41 | 17.43 | 40.00 | -22.57 | - | - | peak |
| 3 | 177.5179 | 36.53 | -9.56 | 26.97 | 43.50 | -16.53 | - | - | peak |
| 4 | 207.1968 | 32.50 | -11.73 | 20.77 | 43.50 | -22.73 | - | - | peak |
| 5 | 392.7376 | 28.56 | -6.24 | 22.32 | 46.00 | -23.68 | - | - | peak |
| 6 | 684.2259 | 29.23 | -1.07 | 28.16 | 46.00 | -17.84 | - | - | peak |

| 802.11n-HT20 | | | |
|---|---|---|---|
| Test Channel | 5180MHz(worst case) | Polarity: | Vertical |



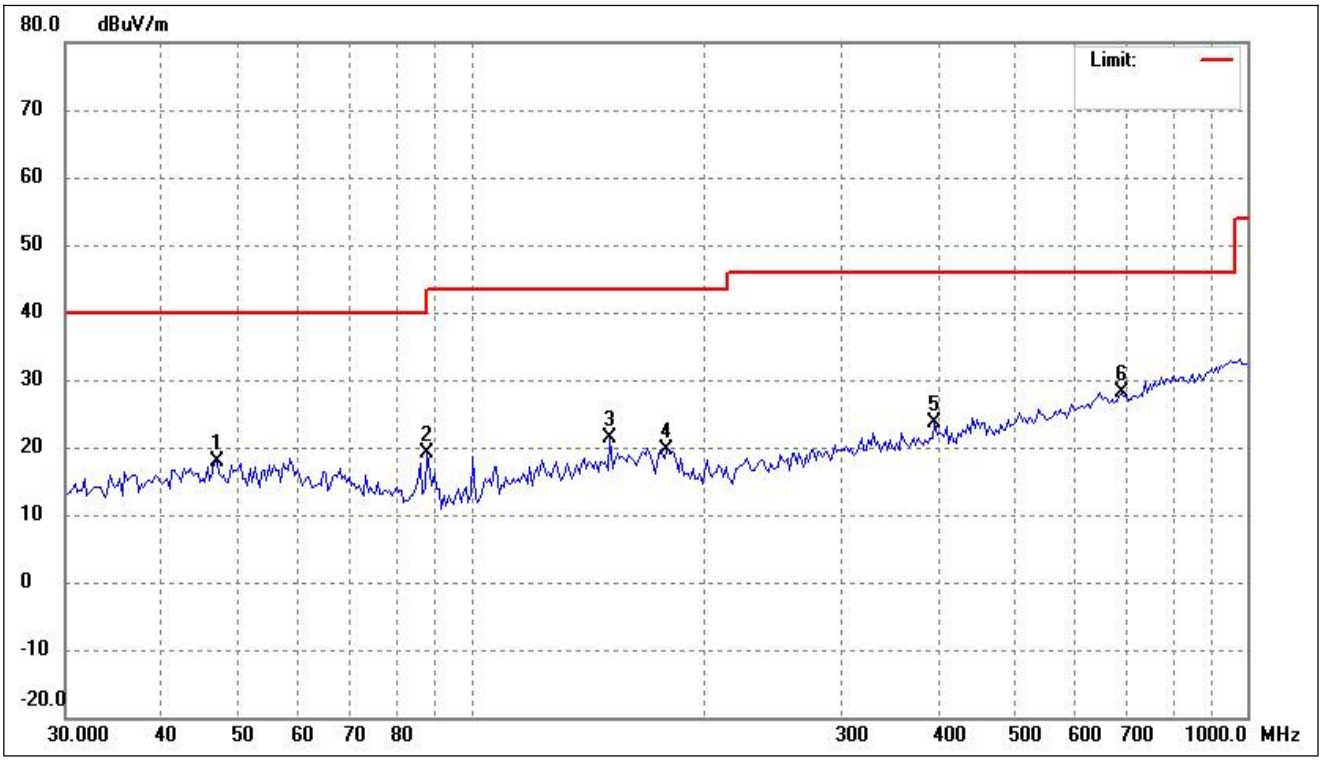

| No. | Frequency | Reading | Correct | Result | Limit | Margin | Degree | Height | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | ( ) | (cm) | |
| 1 | 51.8999 | 26.09 | -9.00 | 17.09 | 40.00 | -22.91 | - | - | peak |
| 2 | 68.2636 | 26.63 | -10.81 | 15.82 | 40.00 | -24.18 | - | - | peak |
| 3 | 165.4716 | 32.71 | -8.71 | 24.00 | 43.50 | -19.50 | - | - | peak |
| 4 | 379.1780 | 27.48 | -6.50 | 20.98 | 46.00 | -25.02 | - | - | peak |
| 5 | 590.3511 | 29.39 | -2.36 | 27.03 | 46.00 | -18.97 | - | - | peak |
| 6 | 945.3336 | 30.64 | 2.85 | 33.49 | 46.00 | -12.51 | - | - | peak |

| 802.11n-HT40 | | | |
|---|---|---|---|
| Test Channel | 5190MHz(worst case) | Polarity: | Horizontal |




| No. | Frequency | Reading | Correct | Result | Limit | Margin | Degree | Height | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | ( ) | (cm) | |
| 1 | 51.1756 | 25.22 | -8.99 | 16.23 | 40.00 | -23.77 | - | - | peak |
| 2 | 66.3715 | 25.23 | -10.41 | 14.82 | 40.00 | -25.18 | - | - | peak |
| 3 | 180.0304 | 35.89 | -9.87 | 26.02 | 43.50 | -17.48 | - | - | peak |
| 4 | 280.2936 | 29.37 | -8.29 | 21.08 | 46.00 | -24.92 | - | - | peak |
| 5 | 430.3053 | 28.53 | -5.61 | 22.92 | 46.00 | -23.08 | - | - | peak |
| 6 | 952.0001 | 30.60 | 2.95 | 33.55 | 46.00 | -12.45 | - | - | peak |

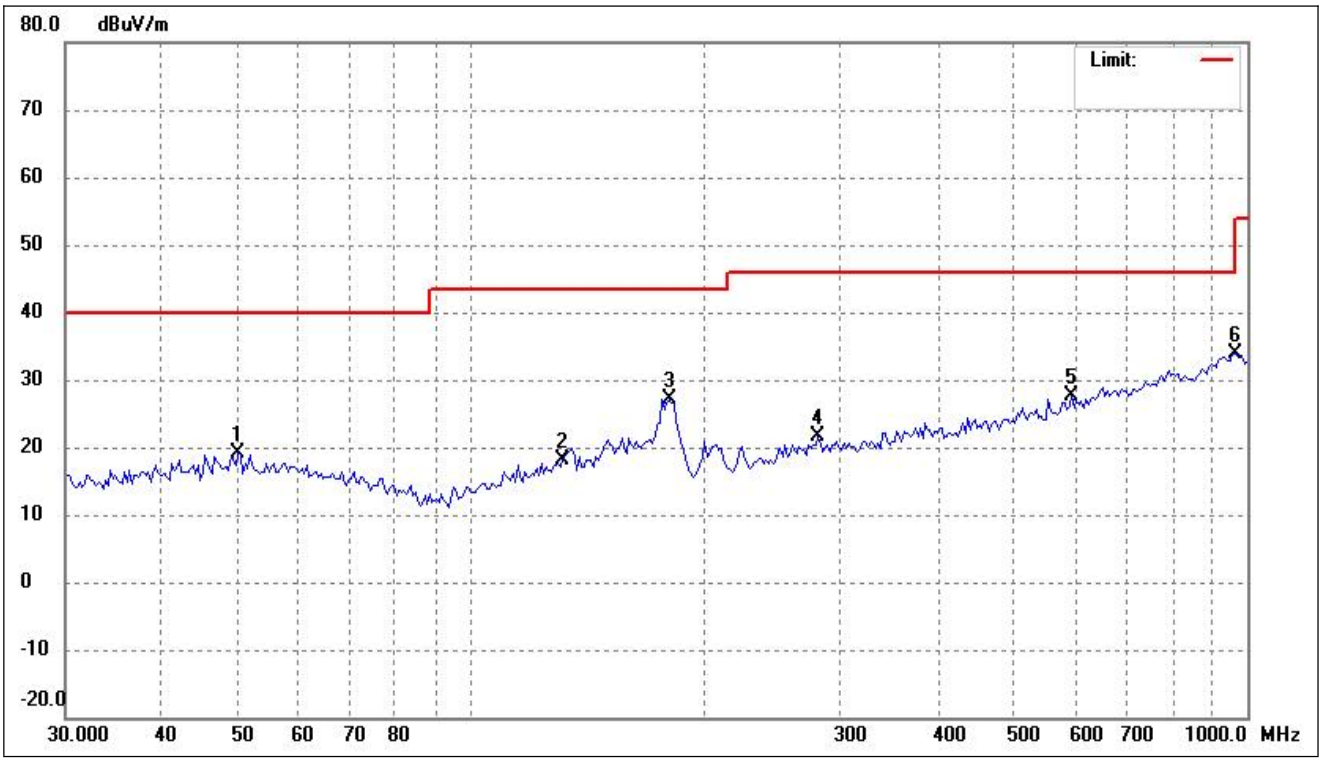
| 802.11n-HT40 | | | |
|---|---|---|---|
| Test Channel | 5190MHz(worst case) | Polarity: | Vertical |




| No. | Frequency | Reading | Correct | Result | Limit | Margin | Degree | Height | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | ( ) | (cm) | |
| 1 | 47.0371 | 26.87 | -9.01 | 17.86 | 40.00 | -22.14 | - | - | peak |
| 2 | 87.9136 | 33.51 | -14.28 | 19.23 | 40.00 | -20.77 | - | - | peak |
| 3 | 151.0252 | 30.22 | -8.90 | 21.32 | 43.50 | -22.18 | - | - | peak |
| 4 | 178.7697 | 29.48 | -9.73 | 19.75 | 43.50 | -23.75 | - | - | peak |
| 5 | 395.5071 | 29.92 | -6.18 | 23.74 | 46.00 | -22.26 | - | - | peak |
| 6 | 689.0510 | 29.15 | -1.05 | 28.10 | 46.00 | -17.90 | - | - | peak |

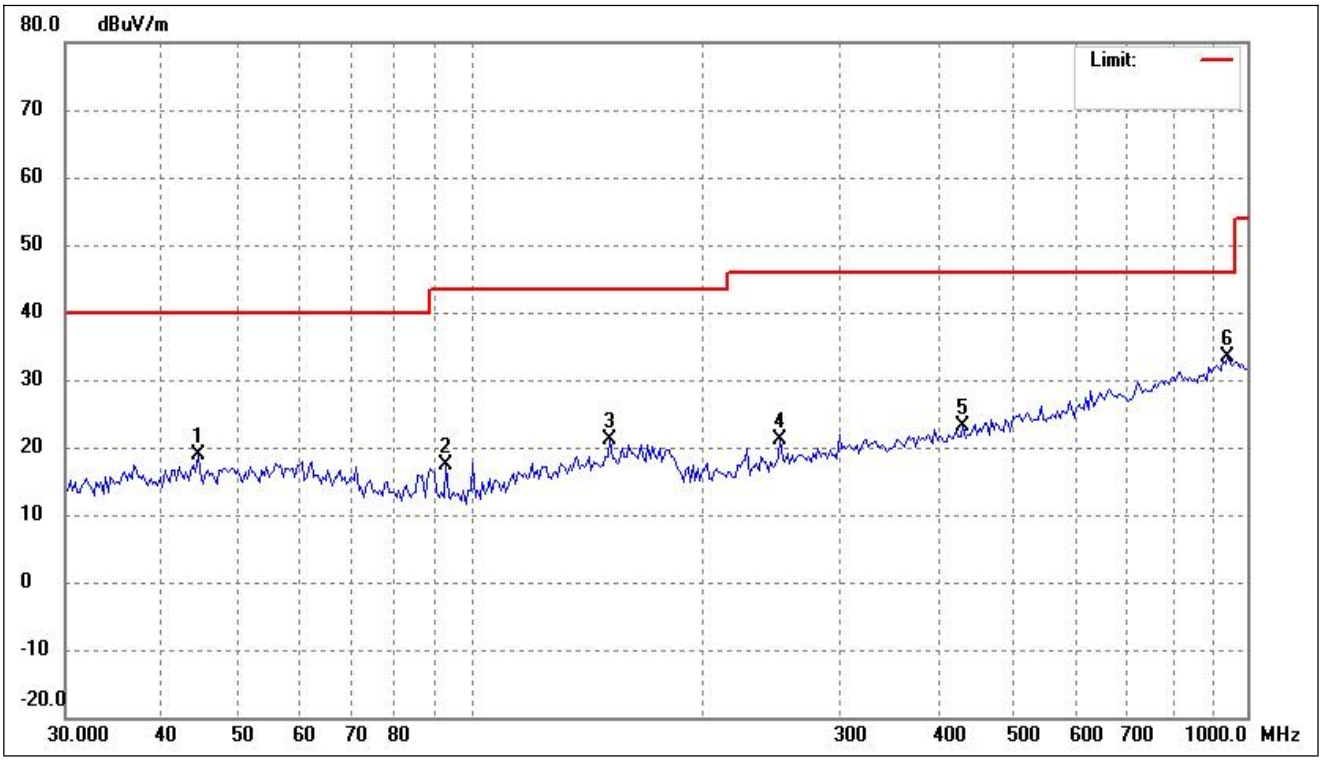
➢ 5725-5850MHz

| 802.11a | | | |
|---|---|---|---|
| Test Channel | 5745MHz(worst case) | Polarity: | Horizontal |



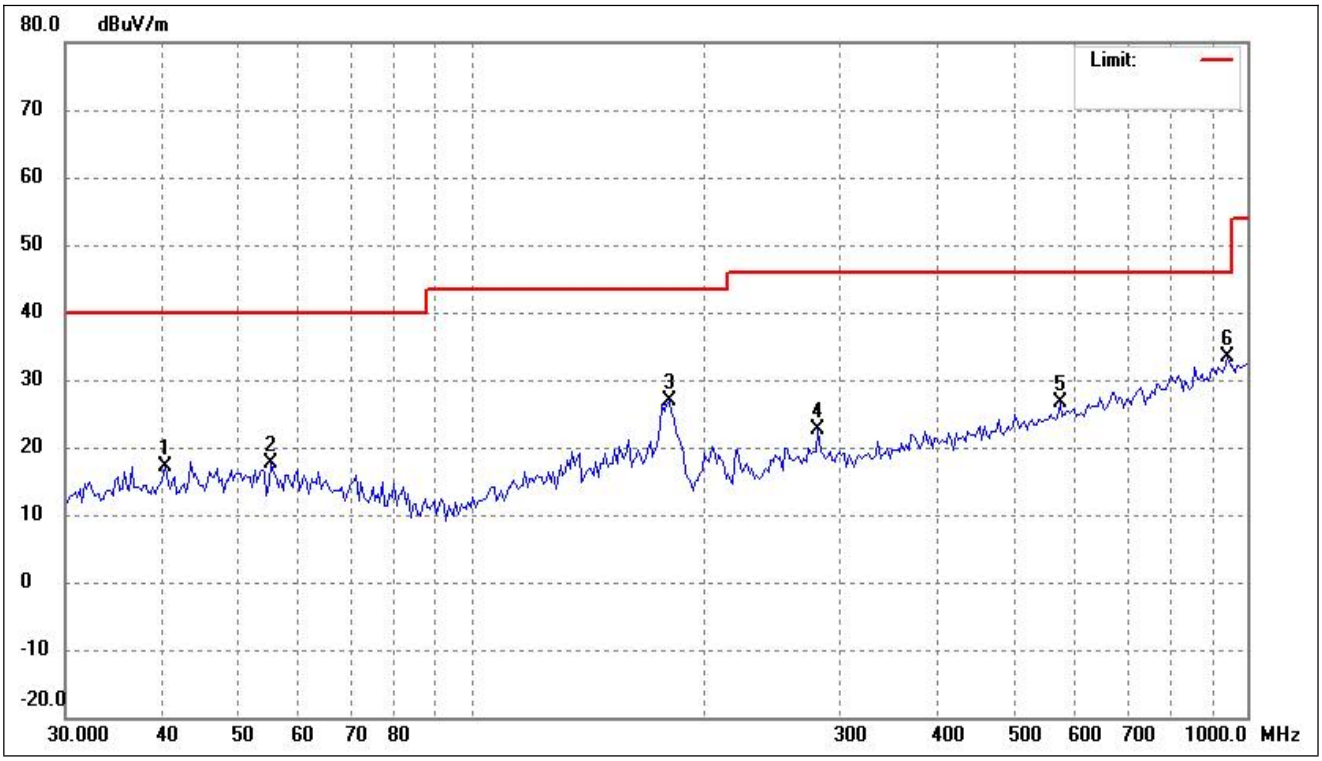

| No. | Frequency | Reading | Correct | Result | Limit | Margin | Degree | Height | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | ( ) | (cm) | |
| 1 | 50.1080 | 27.99 | -8.98 | 19.01 | 40.00 | -20.99 | - | - | peak |
| 2 | 131.2236 | 28.18 | -10.02 | 18.16 | 43.50 | -25.34 | - | - | peak |
| 3 | 180.0304 | 37.12 | -9.87 | 27.25 | 43.50 | -16.25 | - | - | peak |
| 4 | 280.2936 | 30.00 | -8.29 | 21.71 | 46.00 | -24.29 | - | - | peak |
| 5 | 594.5143 | 29.81 | -2.23 | 27.58 | 46.00 | -18.42 | - | - | peak |
| 6 | 965.4742 | 31.00 | 2.98 | 33.98 | 54.00 | -20.02 | - | - | peak |

| 802.11a | | | |
|---|---|---|---|
| Test Channel | 5745MHz(worst case) | Polarity: | Vertical |



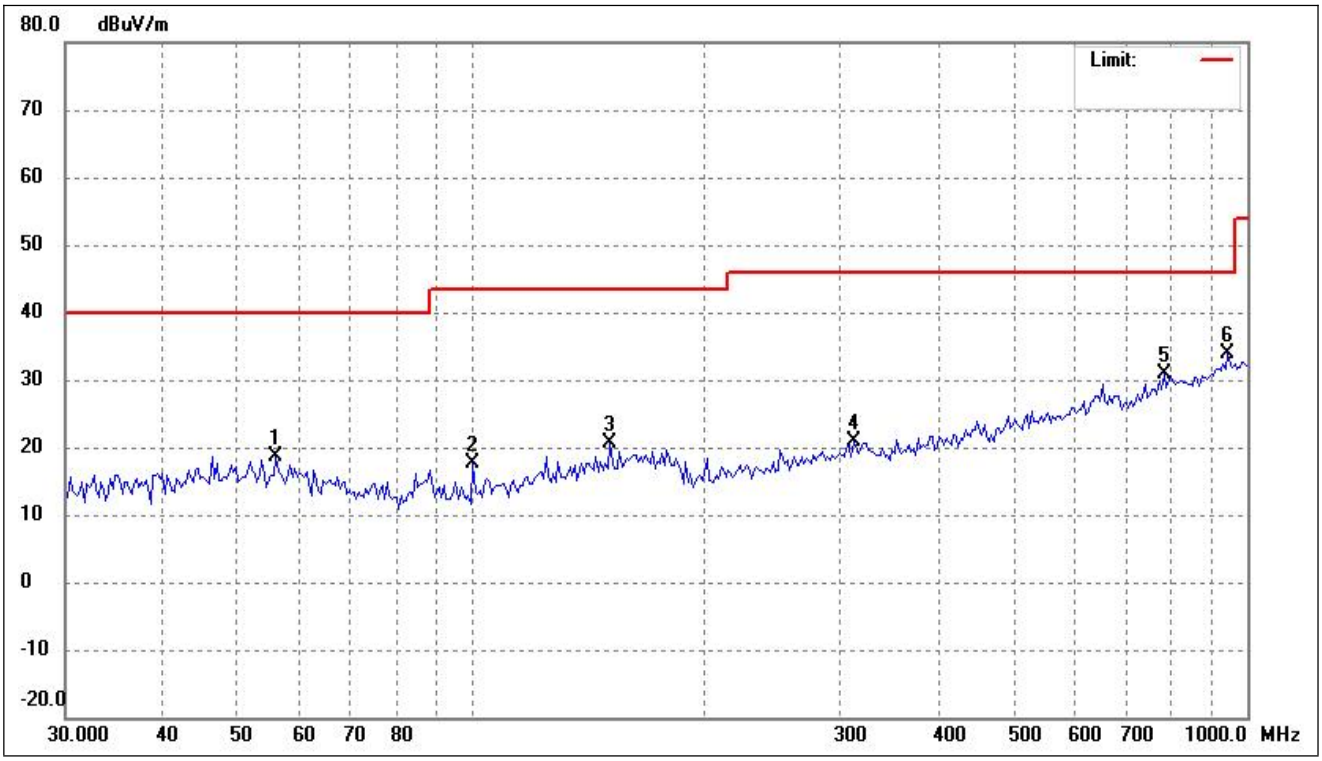

| No. | Frequency | Reading | Correct | Result | Limit | Margin | Degree | Height | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | ( ) | (cm) | |
| 1 | 44.4657 | 27.97 | -9.10 | 18.87 | 40.00 | -21.13 | - | - | peak |
| 2 | 92.9974 | 31.87 | -14.44 | 17.43 | 43.50 | -26.07 | - | - | peak |
| 3 | 151.0252 | 30.07 | -8.90 | 21.17 | 43.50 | -22.33 | - | - | peak |
| 4 | 250.4859 | 30.79 | -9.57 | 21.22 | 46.00 | -24.78 | - | - | peak |
| 5 | 430.3053 | 28.63 | -5.61 | 23.02 | 46.00 | -22.98 | - | - | peak |
| 6 | 945.3336 | 30.50 | 2.85 | 33.35 | 46.00 | -12.65 | - | - | peak |

| 802.11n-HT20 | | | |
|---|---|---|---|
| Test Channel | 5745MHz(worst case) | Polarity: | Horizontal |



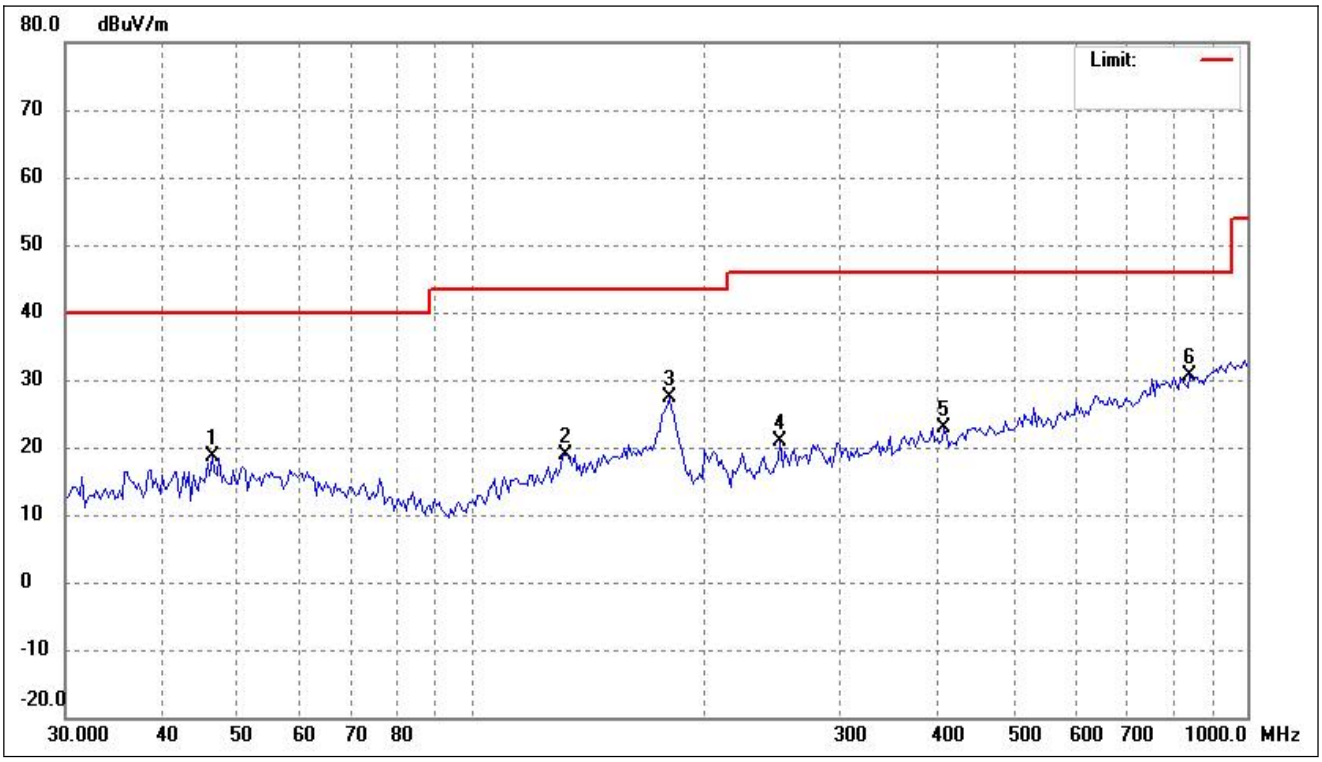

| No. | Frequency | Reading | Correct | Result | Limit | Margin | Degree | Height | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | ( ) | (cm) | |
| 1 | 40.2995 | 26.75 | -9.55 | 17.20 | 40.00 | -22.80 | - | - | peak |
| 2 | 55.2883 | 26.81 | -9.22 | 17.59 | 40.00 | -22.41 | - | - | peak |
| 3 | 180.0304 | 36.77 | -9.87 | 26.90 | 43.50 | -16.60 | - | - | peak |
| 4 | 280.2936 | 30.96 | -8.29 | 22.67 | 46.00 | -23.33 | - | - | peak |
| 5 | 573.9882 | 29.47 | -2.89 | 26.58 | 46.00 | -19.42 | - | - | peak |
| 6 | 945.3336 | 30.45 | 2.85 | 33.30 | 46.00 | -12.70 | - | - | peak |

| 802.11n-HT20 | | | |
|---|---|---|---|
| Test Channel | 5745MHz(worst case) | Polarity: | Vertical |



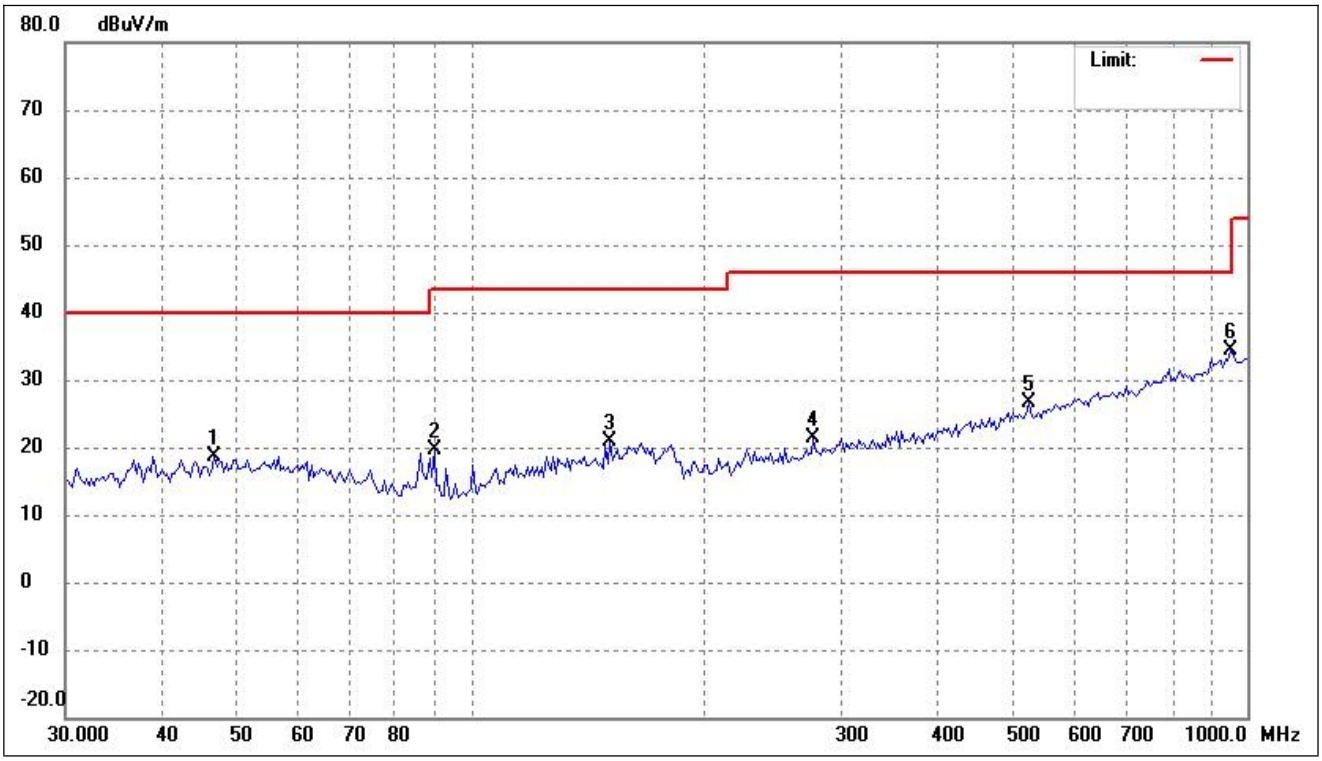

| No. | Frequency | Reading | Correct | Result | Limit | Margin | Degree | Height | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | ( ) | (cm) | |
| 1 | 56.0708 | 27.95 | -9.26 | 18.69 | 40.00 | -21.31 | - | - | peak |
| 2 | 100.4712 | 31.02 | -13.50 | 17.52 | 43.50 | -25.98 | - | - | peak |
| 3 | 151.0252 | 29.49 | -8.90 | 20.59 | 43.50 | -22.91 | - | - | peak |
| 4 | 311.4519 | 28.33 | -7.48 | 20.85 | 46.00 | -25.15 | - | - | peak |
| 5 | 781.9606 | 30.22 | 0.71 | 30.93 | 46.00 | -15.07 | - | - | peak |
| 6 | 945.3336 | 31.13 | 2.85 | 33.98 | 46.00 | -12.02 | - | - | peak |

| 802.11n-HT40 | | | |
|---|---|---|---|
| Test Channel | 5755MHz(worst case) | Polarity: | Horizontal |




| No. | Frequency | Reading | Correct | Result | Limit | Margin | Degree | Height | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | ( ) | (cm) | |
| 1 | 46.3806 | 27.62 | -9.02 | 18.60 | 40.00 | -21.40 | - | - | peak |
| 2 | 132.1490 | 28.82 | -9.95 | 18.87 | 43.50 | -24.63 | - | - | peak |
| 3 | 180.0304 | 37.13 | -9.87 | 27.26 | 43.50 | -16.24 | - | - | peak |
| 4 | 250.4859 | 30.50 | -9.57 | 20.93 | 46.00 | -25.07 | - | - | peak |
| 5 | 406.7820 | 28.92 | -6.01 | 22.91 | 46.00 | -23.09 | - | - | peak |
| 6 | 844.8028 | 29.56 | 0.96 | 30.52 | 46.00 | -15.48 | - | - | peak |

| 802.11n-HT40 | | | |
|---|---|---|---|
| Test Channel | 5755MHz(worst case) | Polarity: | Vertical |




| No. | Frequency | Reading | Correct | Result | Limit | Margin | Degree | Height | Remark |
|---|---|---|---|---|---|---|---|---|---|
| | (MHz) | (dBuV/m) | dB/m | (dBuV/m) | (dBuV/m) | (dB) | ( ) | (cm) | |
| 1 | 46.7077 | 27.67 | -9.01 | 18.66 | 40.00 | -21.34 | - | - | peak |
| 2 | 89.7866 | 33.97 | -14.38 | 19.59 | 43.50 | -23.91 | - | - | peak |
| 3 | 151.0252 | 29.82 | -8.90 | 20.92 | 43.50 | -22.58 | - | - | peak |
| 4 | 276.3818 | 29.81 | -8.46 | 21.35 | 46.00 | -24.65 | - | - | peak |
| 5 | 523.8763 | 30.44 | -3.86 | 26.58 | 46.00 | -19.42 | - | - | peak |
| 6 | 952.0001 | 31.54 | 2.95 | 34.49 | 46.00 | -11.51 | - | - | peak |

Remark: '-'Means' the test Degree and Height are not recorded by the test software and only show the worst case in the test report.

- Harmonics And Spurious Emissions
- For the frequency band 5.150-5.250GHz, 5.725-5.850GHz (802.11a)

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|---|---|---|---|---|---|---|---|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5180MHz) | | | | | | | |
| 10360 | 58.52 | -5.93 | 52.59 | 74 | -21.41 | H | PK |
| 10360 | 39 | -5.93 | 33.07 | 54 | -20.93 | H | AV |
| 15540 | 58.15 | -1.58 | 56.57 | 74 | -17.43 | H | PK |
| 15540 | 39.47 | -1.58 | 37.89 | 54 | -16.11 | H | AV |
| 10360 | 58.53 | -5.93 | 52.6 | 74 | -21.4 | V | PK |
| 10360 | 39.74 | -5.93 | 33.81 | 54 | -20.19 | V | AV |
| 15540 | 60.35 | -1.58 | 58.77 | 74 | -15.23 | V | PK |
| 15540 | 40.25 | -1.58 | 38.67 | 54 | -15.33 | V | AV |
| Middle Channel (5200MHz) | | | | | | | |
| 10400 | 58.94 | -5.93 | 53.01 | 74 | -20.99 | H | PK |
| 10400 | 38.93 | -5.93 | 33 | 54 | -21 | H | AV |
| 15600 | 59.58 | -1.58 | 58 | 74 | -16 | H | PK |
| 15600 | 39.51 | -1.58 | 37.93 | 54 | -16.07 | H | AV |
| 10400 | 60.22 | -5.93 | 54.29 | 74 | -19.71 | V | PK |
| 10400 | 38.27 | -5.93 | 32.34 | 54 | -21.66 | V | AV |
| 15600 | 61.39 | -1.58 | 59.81 | 74 | -14.19 | V | PK |
| 15600 | 40.89 | -1.58 | 39.31 | 54 | -14.69 | V | AV |
| High Channel (5240MHz) | | | | | | | |
| 10480 | 59.43 | -5.93 | 53.5 | 74 | -20.5 | H | PK |
| 10480 | 41.01 | -5.93 | 35.08 | 54 | -18.92 | H | AV |
| 15720 | 61.84 | -1.58 | 60.26 | 74 | -13.74 | H | PK |
| 15720 | 39.74 | -1.58 | 38.16 | 54 | -15.84 | H | AV |
| 10480 | 61.5 | -5.93 | 55.57 | 74 | -18.43 | V | PK |
| 10480 | 39.39 | -5.93 | 33.46 | 54 | -20.54 | V | AV |
| 15720 | 58.46 | -1.58 | 56.88 | 74 | -17.12 | V | PK |
| 15720 | 38.32 | -1.58 | 36.74 | 54 | -17.26 | V | AV |

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|---|---|---|---|---|---|---|---|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5745MHz) | | | | | | | |
| 11490 | 58.14 | -5.93 | 52.21 | 74 | -21.79 | H | PK |
| 11490 | 39.23 | -5.93 | 33.3 | 54 | -20.7 | H | AV |
| 17235 | 59.01 | -1.58 | 57.43 | 74 | -16.57 | H | PK |
| 17235 | 41.71 | -1.58 | 40.13 | 54 | -13.87 | H | AV |
| 11490 | 61.73 | -5.93 | 55.8 | 74 | -18.2 | V | PK |
| 11490 | 39.69 | -5.93 | 33.76 | 54 | -20.24 | V | AV |
| 17235 | 59.51 | -1.58 | 57.93 | 74 | -16.07 | V | PK |
| 17235 | 38.68 | -1.58 | 37.1 | 54 | -16.9 | V | AV |
| Middle Channel (5785MHz) | | | | | | | |
| 11570 | 59.15 | -5.93 | 53.22 | 74 | -20.78 | H | PK |
| 11570 | 38.45 | -5.93 | 32.52 | 54 | -21.48 | H | AV |
| 17355 | 58.32 | -1.58 | 56.74 | 74 | -17.26 | H | PK |
| 17355 | 40.32 | -1.58 | 38.74 | 54 | -15.26 | H | AV |
| 11570 | 59.19 | -5.93 | 53.26 | 74 | -20.74 | V | PK |
| 11570 | 39.49 | -5.93 | 33.56 | 54 | -20.44 | V | AV |
| 17355 | 58.41 | -1.58 | 56.83 | 74 | -17.17 | V | PK |
| 17355 | 39.11 | -1.58 | 37.53 | 54 | -16.47 | V | AV |
| High Channel (5825MHz) | | | | | | | |
| 11650 | 61.22 | -5.93 | 55.29 | 74 | -18.71 | H | PK |
| 11650 | 41.63 | -5.93 | 35.7 | 54 | -18.3 | H | AV |
| 17475 | 61.38 | -1.58 | 59.8 | 74 | -14.2 | H | PK |
| 17475 | 40.36 | -1.58 | 38.78 | 54 | -15.22 | H | AV |
| 11650 | 60.32 | -5.93 | 54.39 | 74 | -19.61 | V | PK |
| 11650 | 39.76 | -5.93 | 33.83 | 54 | -20.17 | V | AV |
| 17475 | 59.76 | -1.58 | 58.18 | 74 | -15.82 | V | PK |
| 17475 | 38.3 | -1.58 | 36.72 | 54 | -17.28 | V | AV |

- Out of Band edge for 5150-5250MHz

| Test CH. | Test Segment | Result | Limit |
|---|---|---|---|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5150 | -28.26 | -27 |
| Highest | Above 5350 | -34.34 | -27 |
| Note: the data just list the worst cases | | | |

- Out of Band edge for 5725-5850MHz

| Test CH. | Test Segment | Result | Limit |
|---|---|---|---|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5650 | -38.54 | -27 |
| | 5650 to 5700 | -25.12 | -27 to -17 |
| | 5700 to 5720 | -26.84 | -17 to 15.6 |
| | 5720 to 5725 | -33.24 | 15.6 to 27 |
| Highest | 5850 to 5855 | -39.68 | 27 to 15.6 |
| | 5855 to 5875 | -30.21 | 15.6 to -17 |
| | 5875 to 5925 | -27.74 | -17 to -27 |
| | Above 5925 | -34.65 | -27 |
| Note: the data just list the worst cases | | | |

- For the frequency band 5.150-5.250GHz, 5.725-5.850GHz (802.11n HT20)
- Harmonics And Spurious Emissions

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|---|---|---|---|---|---|---|---|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5180MHz) | | | | | | | |
| 10360 | 60.46 | -5.93 | 54.53 | 74 | -19.47 | H | PK |
| 10360 | 41.19 | -5.93 | 35.26 | 54 | -18.74 | H | AV |
| 15540 | 61.92 | -1.58 | 60.34 | 74 | -13.66 | H | PK |
| 15540 | 40.1 | -1.58 | 38.52 | 54 | -15.48 | H | AV |
| 10360 | 58.54 | -5.93 | 52.61 | 74 | -21.39 | V | PK |
| 10360 | 41.59 | -5.93 | 35.66 | 54 | -18.34 | V | AV |
| 15540 | 60.5 | -1.58 | 58.92 | 74 | -15.08 | V | PK |
| 15540 | 40.77 | -1.58 | 39.19 | 54 | -14.81 | V | AV |
| Middle Channel (5200MHz) | | | | | | | |
| 10400 | 60.47 | -5.93 | 54.54 | 74 | -19.46 | H | PK |
| 10400 | 41.42 | -5.93 | 35.49 | 54 | -18.51 | H | AV |
| 15600 | 58.32 | -1.58 | 56.74 | 74 | -17.26 | H | PK |
| 15600 | 41.35 | -1.58 | 39.77 | 54 | -14.23 | H | AV |
| 10400 | 61.14 | -5.93 | 55.21 | 74 | -18.79 | V | PK |
| 10400 | 40.67 | -5.93 | 34.74 | 54 | -19.26 | V | AV |
| 15600 | 61.06 | -1.58 | 59.48 | 74 | -14.52 | V | PK |
| 15600 | 40.96 | -1.58 | 39.38 | 54 | -14.62 | V | AV |
| High Channel (5240MHz) | | | | | | | |
| 10480 | 59.57 | -5.93 | 53.64 | 74 | -20.36 | H | PK |
| 10480 | 41.25 | -5.93 | 35.32 | 54 | -18.68 | H | AV |
| 15720 | 61.32 | -1.58 | 59.74 | 74 | -14.26 | H | PK |
| 15720 | 41.17 | -1.58 | 39.59 | 54 | -14.41 | H | AV |
| 10480 | 58.34 | -5.93 | 52.41 | 74 | -21.59 | V | PK |
| 10480 | 39.56 | -5.93 | 33.63 | 54 | -20.37 | V | AV |
| 15720 | 61.81 | -1.58 | 60.23 | 74 | -13.77 | V | PK |
| 15720 | 41.34 | -1.58 | 39.76 | 54 | -14.24 | V | AV |

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|---|---|---|---|---|---|---|---|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5745MHz) | | | | | | | |
| 11490 | 61.21 | -5.93 | 55.28 | 74 | -18.72 | H | PK |
| 11490 | 40.06 | -5.93 | 34.13 | 54 | -19.87 | H | AV |
| 17235 | 60.61 | -1.58 | 59.03 | 74 | -14.97 | H | PK |
| 17235 | 41.67 | -1.58 | 40.09 | 54 | -13.91 | H | AV |
| 11490 | 60.23 | -5.93 | 54.3 | 74 | -19.7 | V | PK |
| 11490 | 40.35 | -5.93 | 34.42 | 54 | -19.58 | V | AV |
| 17235 | 59.36 | -1.58 | 57.78 | 74 | -16.22 | V | PK |
| 17235 | 40.43 | -1.58 | 38.85 | 54 | -15.15 | V | AV |
| Middle Channel (5785MHz) | | | | | | | |
| 11570 | 61.48 | -5.93 | 55.55 | 74 | -18.45 | H | PK |
| 11570 | 41.37 | -5.93 | 35.44 | 54 | -18.56 | H | AV |
| 17355 | 59.65 | -1.58 | 58.07 | 74 | -15.93 | H | PK |
| 17355 | 40.78 | -1.58 | 39.2 | 54 | -14.8 | H | AV |
| 11570 | 60.24 | -5.93 | 54.31 | 74 | -19.69 | V | PK |
| 11570 | 41.21 | -5.93 | 35.28 | 54 | -18.72 | V | AV |
| 17355 | 60.02 | -1.58 | 58.44 | 74 | -15.56 | V | PK |
| 17355 | 38.2 | -1.58 | 36.62 | 54 | -17.38 | V | AV |
| High Channel (5825MHz) | | | | | | | |
| 11650 | 59.78 | -5.93 | 53.85 | 74 | -20.15 | H | PK |
| 11650 | 41.19 | -5.93 | 35.26 | 54 | -18.74 | H | AV |
| 17475 | 59.62 | -1.58 | 58.04 | 74 | -15.96 | H | PK |
| 17475 | 41.99 | -1.58 | 40.41 | 54 | -13.59 | H | AV |
| 11650 | 59.34 | -5.93 | 53.41 | 74 | -20.59 | V | PK |
| 11650 | 40.13 | -5.93 | 34.2 | 54 | -19.8 | V | AV |
| 17475 | 61.75 | -1.58 | 60.17 | 74 | -13.83 | V | PK |
| 17475 | 41.14 | -1.58 | 39.56 | 54 | -14.44 | V | AV |

- Out of Band edge 5150-5250MHz

| Test CH. | Test Segment | Result | Limit |
|---|---|---|---|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5150 | -27.54 | -27 |
| Highest | Above 5350 | -34.28 | -27 |
| Note: the data just list the worst cases | | | |

- Out of Band edge for 5725-5850MHz

| Test CH. | Test Segment | Result | Limit |
|---|---|---|---|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5650 | -39.68 | -27 |
| | 5650 to 5700 | -30.21 | -27 to -17 |
| | 5700 to 5720 | -27.74 | -17 to 15.6 |
| | 5720 to 5725 | -34.65 | 15.6 to 27 |
| Highest | 5850 to 5855 | -40.38 | 27 to 15.6 |
| | 5855 to 5875 | -27.91 | 15.6 to -17 |
| | 5875 to 5925 | -25.75 | -17 to -27 |
| | Above 5925 | -34.70 | -27 |
| Note: the data just list the worst cases | | | |

- For the frequency band 5.150-5.250GHz, 5.725-5.850GHz (802.11n HT40)
- Harmonics And Spurious Emissions

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|---|---|---|---|---|---|---|---|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5190MHz) | | | | | | | |
| 10380 | 61.49 | -5.93 | 55.56 | 74 | -18.44 | H | PK |
| 10380 | 40.66 | -5.93 | 34.73 | 54 | -19.27 | H | AV |
| 15570 | 59.64 | -1.58 | 58.06 | 74 | -15.94 | H | PK |
| 15570 | 41.7 | -1.58 | 40.12 | 54 | -13.88 | H | AV |
| 10380 | 61.24 | -5.93 | 55.31 | 74 | -18.69 | V | PK |
| 10380 | 38.67 | -5.93 | 32.74 | 54 | -21.26 | V | AV |
| 15570 | 58.97 | -1.58 | 57.39 | 74 | -16.61 | V | PK |
| 15570 | 38.69 | -1.58 | 37.11 | 54 | -16.89 | V | PK |
| High Channel (5230MHz) | | | | | | | |
| 10460 | 61.17 | -5.93 | 55.24 | 74 | -18.76 | H | PK |
| 10460 | 40 | -5.93 | 34.07 | 54 | -19.93 | H | AV |
| 15690 | 58.37 | -1.58 | 56.79 | 74 | -17.21 | H | PK |
| 15690 | 41.63 | -1.58 | 40.05 | 54 | -13.95 | H | AV |
| 10460 | 58.93 | -5.93 | 53 | 74 | -21 | V | PK |
| 10460 | 40 | -5.93 | 34.07 | 54 | -19.93 | V | AV |
| 15690 | 60.97 | -1.58 | 59.39 | 74 | -14.61 | V | PK |
| 15690 | 41.02 | -1.58 | 39.44 | 54 | -14.56 | V | PK |

| Frequency | Reading | Correct | Result | Limit | Margin | Polar | Detector |
|---|---|---|---|---|---|---|---|
| (MHz) | (dBuV/m) | dB | (dBuV/m) | (dBuV/m) | (dB) | H/V | |
| Low Channel (5755MHz) | | | | | | | |
| 11510 | 58.85 | -5.93 | 52.92 | 74 | -21.08 | H | PK |
| 11510 | 39.05 | -5.93 | 33.12 | 54 | -20.88 | H | AV |
| 17265 | 59.07 | -1.58 | 57.49 | 74 | -16.51 | H | PK |
| 17265 | 38.36 | -1.58 | 36.78 | 54 | -17.22 | H | AV |
| 11510 | 58.73 | -5.93 | 52.8 | 74 | -21.2 | V | PK |
| 11510 | 40.11 | -5.93 | 34.18 | 54 | -19.82 | V | AV |
| 17265 | 60.81 | -1.58 | 59.23 | 74 | -14.77 | V | PK |
| 17265 | 38.88 | -1.58 | 37.3 | 54 | -16.7 | V | AV |
| High Channel (5795MHz) | | | | | | | |
| 11590 | 58.96 | -5.93 | 53.03 | 74 | -20.97 | H | PK |
| 11590 | 40.85 | -5.93 | 34.92 | 54 | -19.08 | H | AV |
| 17385 | 59.71 | -1.58 | 58.13 | 74 | -15.87 | H | PK |
| 17385 | 40.85 | -1.58 | 39.27 | 54 | -14.73 | H | AV |
| 11590 | 59.07 | -5.93 | 53.14 | 74 | -20.86 | V | PK |
| 11590 | 41.01 | -5.93 | 35.08 | 54 | -18.92 | V | AV |
| 17385 | 60.69 | -1.58 | 59.11 | 74 | -14.89 | V | PK |
| 17385 | 41.5 | -1.58 | 39.92 | 54 | -14.08 | V | AV |

- Out of Band edge for 5150-5250MHz

| Test CH. | Test Segment | Result | Limit |
|---|---|---|---|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5150 | -30.12 | -27 |
| Highest | Above 5350 | -35.25 | -27 |
| Note: the data just list the worst cases | | | |

- Out of Band edge for 5725-5850MHz

| Test CH. | Test Segment | Result | Limit |
|---|---|---|---|
| | MHz | dBm/MHz | dBm/MHz |
| Lowest | Below 5650 | -38.14 | -27 |
| | 5650 to 5700 | -27.73 | -27 to -17 |
| | 5700 to 5720 | -28.08 | -17 to 15.6 |
| | 5720 to 5725 | -33.85 | 15.6 to 27 |
| Highest | 5850 to 5855 | -40.23 | 27 to 15.6 |
| | 5855 to 5875 | -28.94 | 15.6 to -17 |
| | 5875 to 5925 | -26.45 | -17 to -27 |
| | Above 5925 | -34.58 | -27 |
| Note: the data just list the worst cases | | | |

*Note: Testing is carried out with frequency rang 9kHz to 40Ghz, other than listed in the table above are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*

# APPENDIX PHOTOGRAPHS

**Please refer to “ANNEX”**

******* END OF REPORT *******