# Partial FCC RF Test Report

| | | |
|---|---|---|
| **APPLICANT** | : | **DT Research Inc.** |
| **EQUIPMENT** | : | **WLAN Module** |
| **BRAND NAME** | : | **DT Research Inc.** |
| **MODEL NAME** | : | **600B** |
| **FCC ID** | : | **YE3600B** |
| **STANDARD** | : | **FCC Part 15 Subpart E §15.407** |
| **CLASSIFICATION** | : | **(NII) Unlicensed National Information Infrastructure** |

**This is a partial report which is included the Radiated Emission test item. The product was received on Dec. 15, 2012 and completely tested on Dec. 28, 2012. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures and shown the compliance with the applicable technical standards.**

**The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.**

**Reviewed by:**

Jones Tsai

**Jones Tsai / Manager**

Testing Laboratory
1190

***SPORTON INTERNATIONAL INC.***
***No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.***

# TABLE OF CONTENTS

# REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|---|---|---|---|
| FR2D0508-01D | Rev. 01 | Initial issue of report | Jan. 17, 2013 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

# SUMMARY OF TEST RESULT

| Report Section | FCC Rule | IC Rule | Description | Limit | Result | Remark |
|---|---|---|---|---|---|---|
| 3.1 | 15.407(a) | RSS-210 A9.2 | Maximum Conducted Output Power | ≤ 17, 24, 30 dBm (depend on band) | Pass | - |
| 3.2 | 15.407(b) | RSS-210 A9.3 | Unwanted Emissions | ≤ -17, -27 dBm (depend on band)&15.209(a) | Pass | Under limit 0.35 dB at 5470.000 MHz |
| 3.3 | 15.407(c) | RSS-210 A9.5 | Automatically Discontinue Transmission | Discontinue Transmission | Pass | - |
| 3.4 | 15.203 & 15.407(a) | RSS-210 A9.2 | Antenna Requirement | N/A | Pass | - |

# 1 General Description

## 1.1 Applicant

**DT Research Inc.**
6F, NO. 1, NingPo E. St., Taipei, 100 Taiwan, R.O.C.

## 1.2 Manufacturer

**DT Research Inc.**
6F, NO. 1, NingPo E. St., Taipei, 100 Taiwan, R.O.C.

## 1.3 Feature of Equipment Under Test

| Product Feature | |
|---|---|
| **Equipment** | WLAN Module |
| **Brand Name** | DT Research Inc. |
| **Model Name** | 600B |
| **FCC ID** | YE3600B |
| **Installed into Mobile POS Tablet** | Brand Name: DT Research Inc.<br>Model Name: DT395<br>FCC ID: YE3800A |
| **EUT supports Radios application** | CDMA<br>WLAN 11abgn / Bluetooth 2.1/3.0/4.0 |
| **EUT Stage** | Production Unit |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

## 1.4 Product Specification of Equipment Under Test

| Product Specification subjective to this standard | |
|---|---|
| **Tx/Rx Channel Frequency Range** | 5180 MHz ~ 5240 MHz<br>5260 MHz ~ 5320 MHz<br>5500 MHz ~ 5700 MHz |
| **Maximum Output Power** | **<5180 MHz ~ 5240 MHz>**<br>802.11a : 16.15 dBm / 0.0412 W <for Ant 1><br>802.11a : 15.88 dBm / 0.0387 W <for Ant 2><br>802.11n HT20 : 16.48 dBm / 0.0445 W <for Ant 1><br>802.11n HT20 : 15.98 dBm / 0.0396 W <for Ant 2><br>802.11n HT20 : 16.26 dBm / 0.0423 W <for Ant 1+2><br>802.11n HT40 : 16.32 dBm / 0.0429 W <for Ant 1><br>802.11n HT40 : 15.68 dBm / 0.0370 W <for Ant 2><br>802.11n HT40 : 16.33 dBm / 0.0430 W<for Ant 1+2><br>**<5260 MHz ~ 5320 MHz>**<br>802.11a : 16.30 dBm / 0.0427 W <for Ant 1><br>802.11a : 15.90 dBm / 0.0389 W <for Ant 2><br>802.11n HT20 : 16.57 dBm / 0.0454 W <for Ant 1><br>802.11n HT20 : 15.65 dBm / 0.0367 W <for Ant 2><br>802.11n HT20 : 15.97 dBm / 0.0395 W <for Ant 1+2><br>802.11n HT40 : 16.02 dBm / 0.0400 W <for Ant 1><br>802.11n HT40 : 15.16 dBm / 0.0328 W <for Ant 2><br>802.11n HT40 : 15.51 dBm / 0.0356 W <for Ant 1+2><br>**<5500 MHz ~ 5700 MHz >**<br>802.11a : 16.46 dBm / 0.0443 W <for Ant 1><br>802.11a : 15.67 dBm / 0.0369 W <for Ant 2><br>802.11n HT20 : 16.50 dBm / 0.0447 W <for Ant 1><br>802.11n HT20 : 15.69 dBm / 0.0371 W <for Ant 2><br>802.11n HT20 : 15.92 dBm / 0.0391 W <for Ant 1+2><br>802.11n HT40 : 16.47 dBm / 0.0444 W <for Ant 1><br>802.11n HT40 : 15.78 dBm / 0.0378 W <for Ant 2><br>802.11n HT40 : 16.19 dBm / 0.0416 W <for Ant 1+2> |
| **Antenna Type** | **<5180 MHz ~ 5240 MHz>**<br>**Main Antenna :** PIFA_L Antenna with gain 5.08 dBi<br>**Aux. Antenna :** PIFA_R Antenna with gain 2.04 dBi<br>**<5260 MHz ~ 5320 MHz>**<br>**Main Antenna :** PIFA_L Antenna with gain 2.24 dBi<br>**Aux. Antenna :** PIFA_R Antenna with gain 0.86 dBi<br>**<5500 MHz ~ 5700 MHz >**<br>**Main Antenna :** PIFA_L Antenna with gain 2.15 dBi<br>**Aux. Antenna :** PIFA_R Antenna with gain -0.34 dBi |
| **Type of Modulation** | OFDM (BPSK / QPSK / 16QAM / 64QAM) |

<table>
<tr><th colspan="2">Product Specification subjective to this standard</th></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><td></td><td>Ant 1.</td><td>Ant 2.</td></tr>
<tr><td>802.11 a</td><td>V</td><td>V</td></tr>
<tr><td>802.11 n SISO</td><td>V</td><td>V</td></tr>
<tr><td>802.11 n MIMO</td><td>V</td><td>V</td></tr>
</table>
Note: MIMO mode is completely uncorrelated.<br>Ant 1 and Ant 2 could not transmit simultaneously under 802.11 a/n SISO mode
</td></tr>
</table>

## 1.5 Testing Site

<table>
<tr><td>Test Site</td><td colspan="3">SPORTON INTERNATIONAL INC.</td></tr>
<tr><td>Test Site Location</td><td colspan="3">No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park,<br>Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.<br>TEL: +886-3-3273456 / FAX: +886-3-3284978</td></tr>
<tr><td rowspan="2">Test Site No.</td><td colspan="2">Sporton Site No.</td><td>FCC/IC Registration No.</td></tr>
<tr><td>TH02-HY</td><td>03CH07-HY</td><td>722060/4086B-1</td></tr>
</table>

## 1.6 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 789033 D01 General UNII Test Procedures v01r02
- ANSI C63.4-2003 and ANSI C63.10-2009
- NOTICE 2012-DRS0126

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. Per the section 2.2.3 of Notice of 2012-DRS0126, “Receivers Excluded from Industry Canada Requirements”, only radio communication receivers operating in stand-alone mode within the band 30-960 MHz and scanner receivers are subject to Industry Canada requirements.

# 2 Test Configuration of Equipment Under Test

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conducted emission (150 KHz to 30 MHz) and radiated emission (9 KHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane) were recorded in this report.

The final configuration from all the combinations and the worst-case data rates were investigated by measuring the maximum power across all the data rates and modulation modes under section 2.2.

Based on the worst configuration found above, the RF power setting is set individually to meet FCC compliance limit for the final conducted and radiated tests shown in section 2.3.

## 2.1 Carrier Frequency and Channel

| Frequency Band | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|---|---|---|---|---|
| 5150-5250 MHz Band 1 | 36 | 5180 | 44 | 5220 |
| | **38** | **5190** | **46** | **5230** |
| | 40 | 5200 | 48 | 5240 |

| Frequency Band | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|---|---|---|---|---|
| 5250-5350 MHz Band 2 | 52 | 5260 | 60 | 5300 |
| | **54** | **5270** | **62** | **5310** |
| | 56 | 5280 | 64 | 5320 |

| Frequency Band | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|---|---|---|---|---|
| 5470-5725 MHz Band 3 | 100 | 5500 | 116 | 5580 |
| | **102** | **5510** | 132 | 5660 |
| | 104 | 5520 | **134** | **5670** |
| | 108 | 5540 | 136 | 5680 |
| | **110** | **5550** | 140 | 5700 |
| | 112 | 5560 | | |

**Note:** The above Frequency and Channel in boldface were 802.11n HT40.

## 2.2 Pre-Scanned RF Power

Preliminary tests were performed in different data rate and antenna configurations as following table and the highest power data rates were chosen for full test in the following tables. Final Output Power equals to Measured Output Power adds the duty factor.

**<Ant 1>**

| 5GHz 802.11a mode | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Data Rate (MHz) | 6M bps | 9M bps | 12M bps | 18M bps | 24M bps | 36M bps | 48M bps | 54M bps |
| Power (dBm) <5180-5240 MHz> | **16.15** | 16.12 | 16.09 | 16.07 | 16.02 | 16.00 | 16.02 | 15.99 |
| Power (dBm) <5260-5320 MHz> | **16.30** | 16.26 | 16.18 | 16.16 | 16.18 | 16.17 | 16.18 | 16.17 |
| Power (dBm) <5500-5700 MHz> | **16.46** | 16.43 | 16.41 | 16.38 | 16.36 | 16.34 | 16.35 | 16.31 |

| 5GHz 802.11a/n HT20 mode | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Data Rate (MHz) | MCS0 | MCS1 | MCS2 | MCS3 | MCS4 | MCS5 | MCS6 | MCS7 |
| Power (dBm) <5180-5240 MHz> | **16.48** | 16.39 | 16.35 | 16.44 | 16.45 | 16.45 | 16.45 | 16.40 |
| Power (dBm) <5260-5320 MHz> | **16.57** | 16.56 | 16.51 | 16.50 | 16.49 | 16.50 | 16.48 | 16.46 |
| Power (dBm) <5500-5700 MHz> | **16.50** | 16.49 | 16.49 | 16.43 | 16.44 | 16.38 | 16.35 | 16.33 |

| 5GHz 802.11a/n HT40 mode | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Data Rate (MHz) | MCS0 | MCS1 | MCS2 | MCS3 | MCS4 | MCS5 | MCS6 | MCS7 |
| Power (dBm) <5180-5240 MHz> | **16.32** | 16.28 | 16.25 | 16.18 | 16.29 | 16.21 | 16.20 | 16.17 |
| Power (dBm) <5260-5320 MHz> | **16.02** | 16.00 | 15.97 | 15.98 | 15.98 | 15.97 | 15.97 | 15.90 |
| Power (dBm) <5500-5700 MHz> | **16.47** | 16.46 | 15.44 | 16.37 | 16.32 | 16.27 | 16.24 | 16.21 |

**<Ant 2>**

| 5GHz 802.11a mode | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Data Rate (MHz) | 6M bps | 9M bps | 12M bps | 18M bps | 24M bps | 36M bps | 48M bps | 54M bps |
| Power (dBm) <5180-5240 MHz> | **15.88** | 15.83 | 15.84 | 15.84 | 15.80 | 15.75 | 15.79 | 15.71 |
| Power (dBm) <5260-5320 MHz> | **15.90** | 15.88 | 15.85 | 15.81 | 15.80 | 15.84 | 15.83 | 15.82 |
| Power (dBm) <5500-5700 MHz> | **15.67** | 15.59 | 15.52 | 15.48 | 15.44 | 15.61 | 15.61 | 15.56 |

| 5GHz 802.11a/n HT20 mode | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Data Rate (MHz) | MCS0 | MCS1 | MCS2 | MCS3 | MCS4 | MCS5 | MCS6 | MCS7 |
| Power (dBm) <5180-5240 MHz> | **15.98** | 15.94 | 15.93 | 15.92 | 15.89 | 15.93 | 15.89 | 15.88 |
| Power (dBm) <5260-5320 MHz> | **15.65** | 15.63 | 15.61 | 15.59 | 15.58 | 15.56 | 15.52 | 15.52 |
| Power (dBm) <5500-5700 MHz> | **15.69** | 15.67 | 15.65 | 15.63 | 15.62 | 15.60 | 15.57 | 15.57 |

| 5GHz 802.11a/n HT40 mode | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Data Rate (MHz) | MCS0 | MCS1 | MCS2 | MCS3 | MCS4 | MCS5 | MCS6 | MCS7 |
| Power (dBm) <5180-5240 MHz> | **15.68** | 15.66 | 15.60 | 15.58 | 15.56 | 15.53 | 15.50 | 15.48 |
| Power (dBm) <5260-5320 MHz> | **15.16** | 15.14 | 15.10 | 15.08 | 15.05 | 15.03 | 15.01 | 14.96 |
| Power (dBm) <5500-5700 MHz> | **15.78** | 15.77 | 15.75 | 15.72 | 15.70 | 15.68 | 15.67 | 15.62 |

**<MIMO Ant 1 + 2>**

| 5GHz 802.11n HT20 mode <5180-5240 MHz> | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Data Rate (MHz) | MCS8 | MCS9 | MCS10 | MCS11 | MCS12 | MCS13 | MCS14 | MCS15 |
| Power (dBm) MIMO – Ant 1 | 13.26 | 13.20 | 13.17 | 13.13 | 13.14 | 13.17 | 13.13 | 13.11 |
| Power (dBm) MIMO – Ant 2 | 13.24 | 13.20 | 13.18 | 13.16 | 13.14 | 13.16 | 13.02 | 12.97 |
| MIMO Ant 1+2 (Measure and Sum) | 16.26 | 16.21 | 16.18 | 16.15 | 16.15 | 16.17 | 16.09 | 16.05 |

| 5GHz 802.11n HT20 mode <5260-5320 MHz> | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Data Rate (MHz) | MCS8 | MCS9 | MCS10 | MCS11 | MCS12 | MCS13 | MCS14 | MCS15 |
| Power (dBm) MIMO – Ant 1 | 12.86 | 12.83 | 12.82 | 12.75 | 12.79 | 12.86 | 12.78 | 12.71 |
| Power (dBm) MIMO – Ant 2 | 13.05 | 13.04 | 13.02 | 12.98 | 12.95 | 12.94 | 12.88 | 12.92 |
| MIMO Ant 1+2 (Measure and Sum) | 15.97 | 15.94 | 15.93 | 15.88 | 15.88 | 15.91 | 15.84 | 15.83 |

| 5GHz 802.11n HT20 mode <5500-5700 MHz> | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Data Rate (MHz) | MCS8 | MCS9 | MCS10 | MCS11 | MCS12 | MCS13 | MCS14 | MCS15 |
| Power (dBm) MIMO – Ant 1 | 12.66 | 12.64 | 12.61 | 12.57 | 12.56 | 12.60 | 12.57 | 12.59 |
| Power (dBm) MIMO – Ant 2 | 13.14 | 13.10 | 13.06 | 13.03 | 12.97 | 12.89 | 12.86 | 12.88 |
| MIMO Ant 1+2 (Measure and Sum) | 15.92 | 15.88 | 15.85 | 15.82 | 15.78 | 15.75 | 15.73 | 15.75 |

| 5GHz 802.11n HT40 mode <5180-5240 MHz> | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Data Rate (MHz) | MCS8 | MCS9 | MCS10 | MCS11 | MCS12 | MCS13 | MCS14 | MCS15 |
| Power (dBm) MIMO – Ant 1 | 13.39 | 13.38 | 13.36 | 13.34 | 13.33 | 13.31 | 13.30 | 13.26 |
| Power (dBm) MIMO – Ant 2 | 13.25 | 13.21 | 13.18 | 13.15 | 13.14 | 13.10 | 13.06 | 13.05 |
| MIMO Ant 1+2 (Measure and Sum) | 16.33 | 16.31 | 16.28 | 16.26 | 16.25 | 16.21 | 16.19 | 16.17 |

| 5GHz 802.11n HT40 mode <5260-5320 MHz> | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Data Rate (MHz) | MCS8 | MCS9 | MCS10 | MCS11 | MCS12 | MCS13 | MCS14 | MCS15 |
| Power (dBm) MIMO – Ant 1 | 12.56 | 12.54 | 12.50 | 12.49 | 12.48 | 12.46 | 12.51 | 12.49 |
| Power (dBm) MIMO – Ant 2 | 12.43 | 12.40 | 12.37 | 12.29 | 12.28 | 12.24 | 12.21 | 12.19 |
| MIMO Ant 1+2 (Measure and Sum) | 15.51 | 15.48 | 15.45 | 15.41 | 15.39 | 15.36 | 15.37 | 15.36 |

| 5GHz 802.11n HT40 mode <5500-5700 MHz> | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Data Rate (MHz) | MCS8 | MCS9 | MCS10 | MCS11 | MCS12 | MCS13 | MCS14 | MCS15 |
| Power (dBm) MIMO – Ant 1 | 13.18 | 13.16 | 13.15 | 13.13 | 13.13 | 13.09 | 13.04 | 12.98 |
| Power (dBm) MIMO – Ant 2 | 13.18 | 13.16 | 13.17 | 13.09 | 13.04 | 13.04 | 13.03 | 13.00 |
| MIMO Ant 1+2 (Measure and Sum) | 16.19 | 16.17 | 16.17 | 16.12 | 16.09 | 16.07 | 16.04 | 16.00 |

**Note:** MIMO Ant 1+2 is a calculated result from sum of the power MIMO Ant 1 and MIMO Ant 2

## 2.3 Test Mode

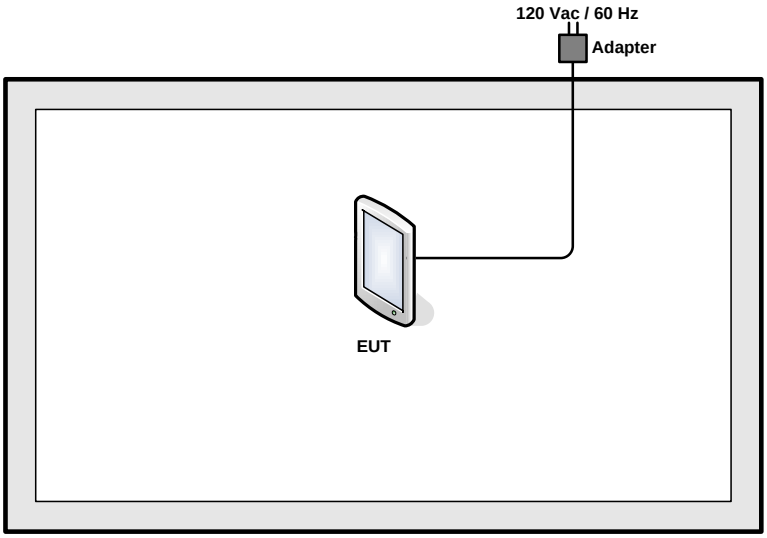
**Final results of test modes, data rates and test channels are shown as following table.**

| Test Cases | | | | |
|---|---|---|---|---|
| | Test Items | Mode | Data rate | Test Channel |
| Conducted TCs | Output Power | 802.11a | 6 Mbps | L/M/H |
| | | 802.11n HT20 | 6.5 Mbps | L/M/H |
| | | 802.11n HT40 | 13.5 Mbps | L/M/H |
| Radiated TCs | Radiated Band Edge | 802.11a | 6 Mbps | L/H |
| | | 802.11n HT20 | 6.5 Mbps | L/H |
| | | 802.11n HT40 | 13.5 Mbps | L/H |
| | Radiated Spurious Emission | 802.11a | 6 Mbps | L/M/H |
| | | 802.11n HT20 | 6.5 Mbps | L/M/H |
| | | 802.11n HT40 | 13.5 Mbps | L/M/H |

| Ch. # | | Band I：5150-5250 MHz | Band II：5250-5350 MHz | Band III：5470-5725 MHz |
|---|---|---|---|---|
| | | 802.11a / 802.11n HT20 | 802.11a / 802.11n HT20 | 802.11a / 802.11n HT20 |
| L | Low | 36 | 52 | 100 |
| M | Middle | 44 | 60 | 116 |
| H | High | 48 | 64 | 140 |

| Ch. # | | Band I：5150-5250 MHz | Band II：5250-5350 MHz | Band III：5470-5725 MHz |
|---|---|---|---|---|
| | | 802.11n HT40 | 802.11n HT40 | 802.11n HT40 |
| L | Low | 38 | 54 | 102 |
| M | Middle | - | - | 110 |
| H | High | 46 | 62 | 134 |

## 2.4 Connection Diagram of Test System




## 2.5 Description of RF Function Operation Test Setup

For WLAN function, execute “Tool” to make the EUT contact with WLAN AP for continuous transmitting and receiving signals.

# 3 Test Result

## 3.1 Maximum Conducted Output Power Measurement

### 3.1.1 Limit of Maximum Conducted Output Power

For the band 5.15~5.25 GHz, the maximum conducted output power shall not exceed the lesser of 50 mW (17dBm) or 4 dBm + 10log B, where B is the 26 dB emissions bandwidth in 1-MHz. If transmitting antenna directional gain is greater than 6 dBi, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log B, where B is the 26 dB emissions bandwidth in 1-MHz. If transmitting antenna directional gain is greater than 6 dBi, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

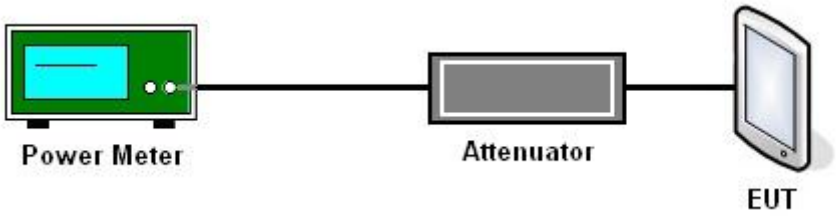
### 3.1.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D01 General UNII Test Procedures v01r02.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is the duty cycle.

### 3.1.4 Test Setup



### 3.1.5 Test Result of Maximum Conducted Output Power

| Test Mode : | 802.11a | Temperature : | 24~26℃ |
|---|---|---|---|
| Test Engineer : | Rover Lee | Relative Humidity : | 45~49% |
| Duty Cycle | 98.11% for Ant 1<br>98.58% for Ant 2 | Duty Factor | 0.08dB for Ant 1<br>0.06dB for Ant 2 |

| Band | Channel | Frequency (MHz) | 802.11a Output Power (dBm) | | | | Max. Limits (dBm) | Pass /Fail |
|---|---|---|---|---|---|---|---|---|
| | | | Measured | | Final | | | |
| | | | Ant 1 | Ant 2 | Ant 1 | Ant 2 | | |
| NII Band 1 | 36 | 5180 | 16.07 | 15.82 | 16.15 | 15.88 | 17 | Pass |
| | 44 | 5220 | 16.03 | 15.70 | 16.11 | 15.76 | 17 | Pass |
| | 48 | 5240 | 15.74 | 15.59 | 15.82 | 15.65 | 17 | Pass |
| NII Band 2 | 52 | 5260 | 15.69 | 15.22 | 15.77 | 15.28 | 24 | Pass |
| | 60 | 5300 | 16.19 | 15.27 | 16.27 | 15.33 | 24 | Pass |
| | 64 | 5320 | 16.22 | 15.84 | 16.30 | 15.90 | 24 | Pass |
| NII Band 3 | 100 | 5500 | 16.24 | 15.46 | 16.32 | 15.52 | 24 | Pass |
| | 116 | 5580 | 16.38 | 15.61 | 16.46 | 15.67 | 24 | Pass |
| | 140 | 5700 | 16.33 | 15.38 | 16.41 | 15.44 | 24 | Pass |

**Note:**

1. Final Output Power equals to Measured Output Power adds the duty factor.
2. For the band 5.15~5.25 GHz, the maximum conducted output power shall not exceed the lesser of 50 mW (17dBm) or 4 dBm + 10log (26dB BW)
3. For the band 5.25-5.35 GHz and 5.47-5.725 GHz, the maximum conducted output power shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log (26dB BW)

| Test Mode : | 802.11n HT20 | Temperature : | 24~26℃ |
|---|---|---|---|
| Test Engineer : | Rover Lee | Relative Humidity : | 45~49% |
| Duty Cycle | 98.47% for SISO Ant 1<br>98.48% for SISO Ant 2<br>97.06% for MIMO Ant 1+2(1)<br>97.65% for MIMO Ant 1+2(2) | Duty Factor | 0.07dB for SISO Ant 1<br>0.07dB for SISO Ant 2<br>0.13dB for MIMO Ant 1+2(1)<br>0.10dB for MIMO Ant 1+2(2) |

| Band | Ch. | Frequency (MHz) | 802.11n HT20 Output Power (dBm) | | | | | | | | | Max. Limits (dBm) | Pass /Fail |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Measured | | | | Final | | | | | | |
| | | | SISO Ant 1 | SISO Ant 2 | MIMO Ant 1+2(1) | MIMO Ant 1+2(2) | SISO Ant 1 | SISO Ant 2 | MIMO Ant 1+2(1) | MIMO Ant 1+2(2) | MIMO Ant 1+2 | | |
| NII Band 1 | 36 | 5180 | 15.80 | 15.91 | 13.13 | 13.14 | 15.87 | 15.98 | 13.26 | 13.24 | 16.26 | 17 | Pass |
| | 44 | 5220 | 16.41 | 15.89 | 13.05 | 13.05 | 16.48 | 15.96 | 13.18 | 13.15 | 16.18 | 17 | Pass |
| | 48 | 5240 | 16.28 | 15.83 | 12.88 | 12.78 | 16.35 | 15.90 | 13.01 | 12.88 | 15.96 | 17 | Pass |
| NII Band 2 | 52 | 5260 | 15.96 | 15.31 | 12.55 | 12.38 | 16.03 | 15.38 | 12.68 | 12.48 | 15.59 | 24 | Pass |
| | 60 | 5300 | 16.46 | 15.17 | 13.04 | 12.46 | 16.53 | 15.24 | 13.17 | 12.56 | 15.89 | 24 | Pass |
| | 64 | 5320 | 16.50 | 15.58 | 12.73 | 12.95 | 16.57 | 15.65 | 12.86 | 13.05 | 15.97 | 24 | Pass |
| NII Band 3 | 100 | 5500 | 16.43 | 15.51 | 12.51 | 12.97 | 16.50 | 15.58 | 12.64 | 13.07 | 15.87 | 24 | Pass |
| | 116 | 5580 | 16.32 | 15.62 | 12.53 | 13.04 | 16.39 | 15.69 | 12.66 | 13.14 | 15.92 | 24 | Pass |
| | 140 | 5700 | 15.08 | 15.36 | 12.21 | 12.26 | 15.15 | 15.43 | 12.34 | 12.36 | 15.36 | 24 | Pass |

**Note:**

1. Final Output Power equals to Measured Output Power adds the duty factor.
2. MIMO Ant 1+2 is a calculated result from sum of the power MIMO Ant 1 and MIMO Ant 2.
3. For the band 5.15~5.25 GHz, the maximum conducted output power shall not exceed the lesser of 50 mW (17dBm) or 4 dBm + 10log (26dB BW)
4. For the band 5.25-5.35 GHz and 5.47-5.725 GHz, the maximum conducted output power shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log (26dB BW)

| Test Mode : | 802.11n HT40 | Temperature : | 24~26℃ |
|---|---|---|---|
| Test Engineer : | Rover Lee | Relative Humidity : | 45~49% |
| Duty Cycle | 95.88% for SISO Ant 1<br>96.94% for SISO Ant 2<br>94.70% for MIMO Ant 1+2(1)<br>95.42% for MIMO Ant 1+2(2) | Duty Factor | 0.18dB for SISO Ant 1<br>0.13dB for SISO Ant 2<br>0.24dB for MIMO Ant 1+2(1)<br>0.20dB for MIMO Ant 1+2(2) |

| Band | Ch. | Frequency (MHz) | 802.11n HT40 Output Power (dBm) | | | | | | | | | Max. Limits (dBm) | Pass /Fail |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Measured | | | | Final | | | | | | |
| | | | SISO Ant 1 | SISO Ant 2 | MIMO Ant 1+2(1) | MIMO Ant 1+2(2) | SISO Ant 1 | SISO Ant 2 | MIMO Ant 1+2(1) | MIMO Ant 1+2(2) | MIMO Ant 1+2 | | |
| NII Band 1 | 38 | 5190 | 12.59 | 12.56 | 9.78 | 10.53 | 12.77 | 12.69 | 10.02 | 10.73 | 13.40 | 17 | Pass |
| | 46 | 5230 | 16.14 | 15.55 | 13.15 | 13.05 | 16.32 | 15.68 | 13.39 | 13.25 | 16.33 | 17 | Pass |
| NII Band 2 | 54 | 5270 | 15.84 | 15.03 | 12.32 | 12.23 | 16.02 | 15.16 | 12.56 | 12.43 | 15.51 | 24 | Pass |
| | 62 | 5310 | 11.28 | 12.23 | 12.13 | 12.06 | 11.46 | 12.36 | 12.37 | 12.26 | 15.33 | 24 | Pass |
| NII Band 3 | 102 | 5510 | 14.28 | 14.63 | 11.97 | 11.92 | 14.46 | 14.76 | 12.21 | 12.12 | 15.18 | 24 | Pass |
| | 110 | 5550 | 16.29 | 15.65 | 12.94 | 12.98 | 16.47 | 15.78 | 13.18 | 13.18 | 16.19 | 24 | Pass |
| | 134 | 5670 | 16.22 | 15.44 | 12.35 | 12.54 | 16.40 | 15.57 | 12.59 | 12.74 | 15.68 | 24 | Pass |

**Note:**

1. Final Output Power equals to Measured Output Power adds the duty factor.
2. MIMO Ant 1+2 is a calculated result from sum of the power MIMO Ant 1 and MIMO Ant 2.
3. For the band 5.15~5.25 GHz, the maximum conducted output power shall not exceed the lesser of 50 mW (17dBm) or 4 dBm + 10log (26dB BW)
4. For the band 5.25-5.35 GHz and 5.47-5.725 GHz, the maximum conducted output power shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log (26dB BW)

## 3.2 Unwanted Emissions Measurement

This section as specified in FCC Part 15.407(b) is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement. The unwanted emissions shall comply with 15.407(b)(1) to (6), and restricted bands per FCC Part15.205.

### 3.2.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.

For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.

(2) Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table,

| Frequency (MHz) | Field Strength (microvolts/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 |

**Note:** The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

| EIRP (dBm) | Field Strength at 3m (dBuV/m) |
|---|---|
| -17 | 78.3 |
| - 27 | 68.3 |

(3) KDB789033 v01r02 G)2)c)(i) As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17

dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.

### 3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

### 3.2.3 Test Procedures

1. The testing follows the guidelines in fulfills ANSI C63.4-2003 and the guidelines in ANSI C63.10-2009 test site requirement and FCC KDB 789033 D01 General UNII Test Procedures v01r02.

   Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

   - RBW = 120 KHz
   - VBW = 300 KHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - The setting follows the G) 5) of FCC KDB 789033.
   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

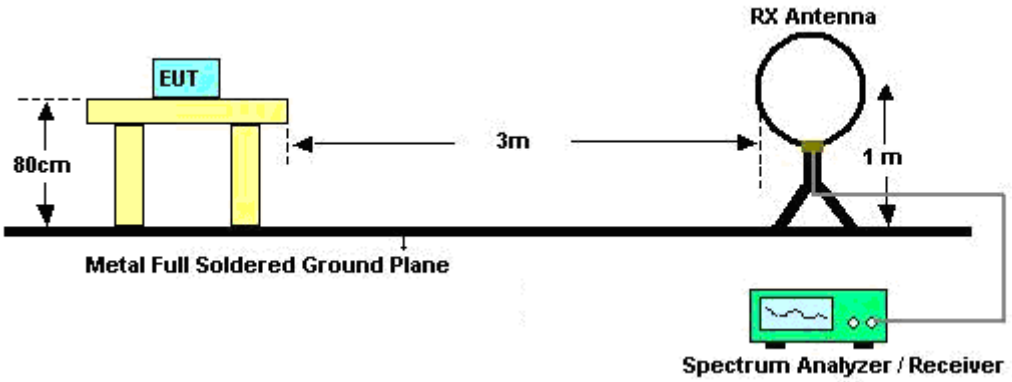
   - The setting follows G) 6) of FCC KDB 789033.
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

| Antenna | Band | Duty Cycle(%) | T(us) | 1/T(KHz) | VBW Setting |
|---|---|---|---|---|---|
| 1 | 802.11a | 98.11 | - | - | 10Hz |
| 2 | 802.11a | 98.58 | - | - | 10Hz |
| 1 | 802.11n HT20 | 98.47 | - | - | 10Hz |
| 2 | 802.11n HT20 | 98.48 | - | - | 10Hz |
| 1 | 802.11n HT40 | 95.88 | 930 | 1.075 | 3KHz |
| 2 | 802.11n HT40 | 96.94 | 950 | 1.053 | 3KHz |
| 1+2 | 802.11n HT20 for Ant1 | 97.06 | 990 | 1.010 | 3KHz |
| 1+2 | 802.11n HT20 for Ant2 | 97.65 | 996 | 1.004 | |
| 1+2 | 802.11n HT40 for Ant1 | 94.70 | 500 | 2.000 | 3KHz |
| 1+2 | 802.11n HT40 for Ant2 | 95.42 | 500 | 2.000 | |

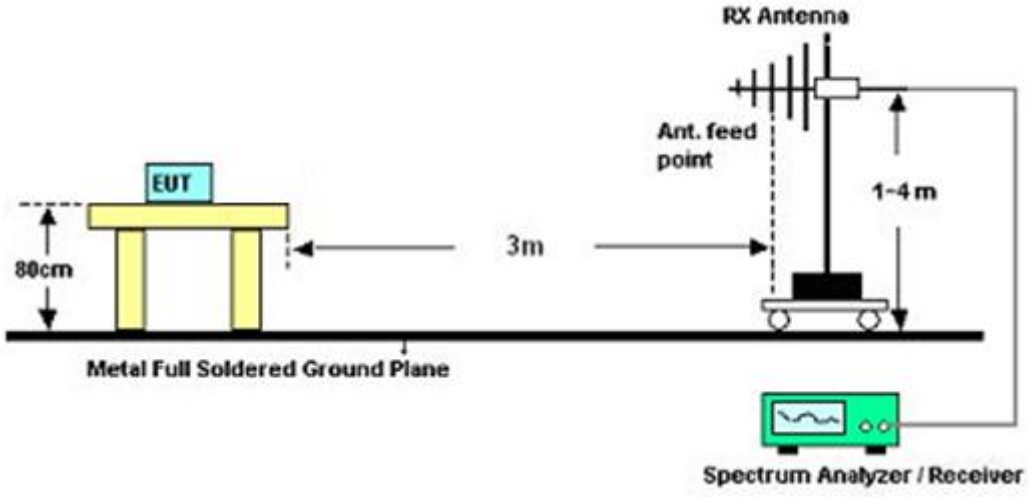
2. The EUT was placed on a rotatable table top 0.8 meter above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

### 3.2.4 Test Setup

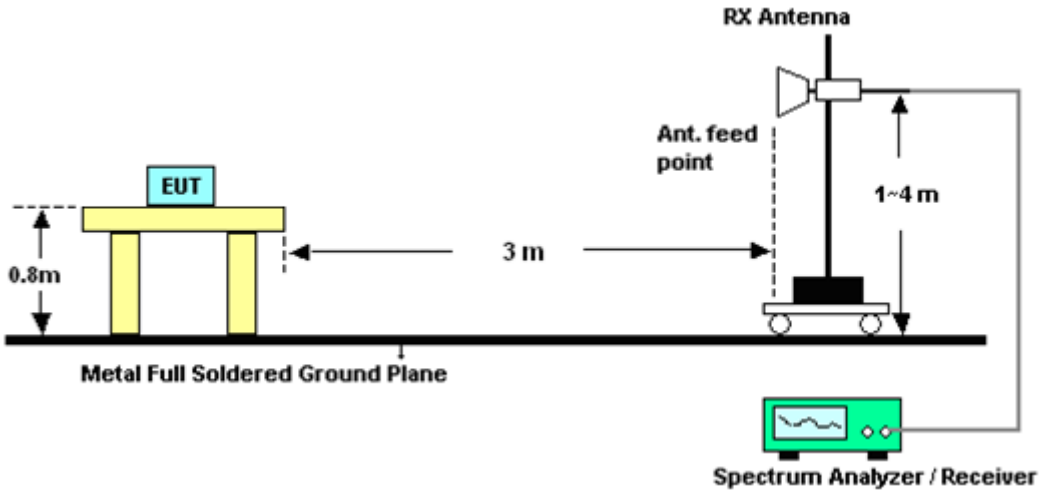
**For radiated emissions below 30MHz**



**For radiated emissions from 30MHz to 1GHz**




**For radiated emissions above 1GHz**




## 3.2.5 Test Results of Radiated Emissions (9 KHz ~ 30 MHz)

The low frequency, which started from 9 KHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

## 3.2.6 Test Result of Radiated Band Edges

**<Ant1>**

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11a | **Temperature :** | 22~23°C |
| **Test Channel :** | 36 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Frequency ( MHz )** | **Level ( dBµV/m )** | **Over Limit ( dB )** | **Limit Line ( dBµV/m )** | **Read Level (dBµV)** | **Antenna Factor ( dB )** | **Cable Loss ( dB )** | **Preamp Factor ( dB )** | **Ant Pos ( cm )** | **Table Pos ( deg )** | **Remark** |
| 5149.25 | 64.58 | -9.42 | 74 | 54.04 | 34.29 | 9.22 | 32.97 | 117 | 160 | Peak |
| 5150 | 46.54 | -7.46 | 54 | 36 | 34.29 | 9.22 | 32.97 | 117 | 160 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Frequency ( MHz )** | **Level ( dBµV/m )** | **Over Limit ( dB )** | **Limit Line ( dBµV/m )** | **Read Level (dBµV)** | **Antenna Factor ( dB )** | **Cable Loss ( dB )** | **Preamp Factor ( dB )** | **Ant Pos ( cm )** | **Table Pos ( deg )** | **Remark** |
| 5148.8 | 65.33 | -8.67 | 74 | 54.79 | 34.29 | 9.22 | 32.97 | 100 | 86 | Peak |
| 5150 | 47.08 | -6.92 | 54 | 36.54 | 34.29 | 9.22 | 32.97 | 100 | 86 | Average |

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11a | **Temperature :** | 22~23°C |
| **Test Channel :** | 48 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Frequency ( MHz )** | **Level ( dBµV/m )** | **Over Limit ( dB )** | **Limit Line ( dBµV/m )** | **Read Level (dBµV)** | **Antenna Factor ( dB )** | **Cable Loss ( dB )** | **Preamp Factor ( dB )** | **Ant Pos ( cm )** | **Table Pos ( deg )** | **Remark** |
| 5389.27 | 55.12 | -18.88 | 74 | 43.49 | 34.9 | 9.65 | 32.92 | 106 | 165 | Peak |
| 5359.13 | 41.89 | -12.11 | 54 | 30.4 | 34.81 | 9.61 | 32.93 | 106 | 165 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Frequency ( MHz )** | **Level ( dBµV/m )** | **Over Limit ( dB )** | **Limit Line ( dBµV/m )** | **Read Level (dBµV)** | **Antenna Factor ( dB )** | **Cable Loss ( dB )** | **Preamp Factor ( dB )** | **Ant Pos ( cm )** | **Table Pos ( deg )** | **Remark** |
| 5416.66 | 55.49 | -18.51 | 74 | 43.74 | 34.98 | 9.69 | 32.92 | 136 | 70 | Peak |
| 5352.86 | 42.02 | -11.98 | 54 | 30.58 | 34.81 | 9.56 | 32.93 | 136 | 70 | Average |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 52 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5025.35 | 54.87 | -19.13 | 74 | 44.87 | 33.99 | 9.01 | 33 | 148 | 183 | Peak |
| 5138.90 | 40.7 | -13.3 | 54 | 30.25 | 34.25 | 9.18 | 32.98 | 148 | 183 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5048.15 | 53.96 | -20.04 | 74 | 43.87 | 34.03 | 9.05 | 32.99 | 116 | 80 | Peak |
| 5150 | 40.84 | -13.16 | 54 | 30.3 | 34.29 | 9.22 | 32.97 | 116 | 80 | Average |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 64 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5352.53 | 62.8 | -11.2 | 74 | 51.36 | 34.81 | 9.56 | 32.93 | 144 | 169 | Peak |
| 5350 | 47.36 | -6.64 | 54 | 35.92 | 34.81 | 9.56 | 32.93 | 144 | 169 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5352.75 | 63.27 | -10.73 | 74 | 51.83 | 34.81 | 9.56 | 32.93 | 134 | 78 | Peak |
| 5350 | 47.82 | -6.18 | 54 | 36.38 | 34.81 | 9.56 | 32.93 | 134 | 78 | Average |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 100 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5469.52 | 67.72 | -6.28 | 74 | 55.74 | 35.11 | 9.78 | 32.91 | 111 | 172 | Peak |
| 5470 | 49.07 | -4.93 | 54 | 37.09 | 35.11 | 9.78 | 32.91 | 111 | 172 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5469.84 | 66.8 | -7.2 | 74 | 54.82 | 35.11 | 9.78 | 32.91 | 120 | 74 | Peak |
| 5470 | 48.83 | -5.17 | 54 | 36.85 | 35.11 | 9.78 | 32.91 | 120 | 74 | Average |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 140 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5725.08 | 69.78 | -4.22 | 74 | 57.67 | 35.33 | 10.04 | 33.26 | 116 | 171 | Peak |
| 5725 | 51.98 | -2.02 | 54 | 39.87 | 35.33 | 10.04 | 33.26 | 116 | 171 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5725 | 70.65 | -3.35 | 74 | 58.54 | 35.33 | 10.04 | 33.26 | 100 | 64 | Peak |
| 5725 | 52.58 | -1.42 | 54 | 40.47 | 35.33 | 10.04 | 33.26 | 100 | 64 | Average |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 36 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5145.35 | 66.47 | -7.53 | 74 | 55.93 | 34.29 | 9.22 | 32.97 | 108 | 159 | Peak |
| 5150 | 48.42 | -5.58 | 54 | 37.88 | 34.29 | 9.22 | 32.97 | 108 | 159 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5148.95 | 66.64 | -7.36 | 74 | 56.1 | 34.29 | 9.22 | 32.97 | 100 | 86 | Peak |
| 5150 | 48.63 | -5.37 | 54 | 38.09 | 34.29 | 9.22 | 32.97 | 100 | 86 | Average |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 48 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5372.55 | 55.28 | -18.72 | 74 | 43.75 | 34.85 | 9.61 | 32.93 | 106 | 164 | Peak |
| 5354.29 | 41.8 | -12.2 | 54 | 30.36 | 34.81 | 9.56 | 32.93 | 106 | 164 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5389.93 | 55.22 | -18.78 | 74 | 43.59 | 34.9 | 9.65 | 32.92 | 127 | 77 | Peak |
| 5354.18 | 41.95 | -12.05 | 54 | 30.51 | 34.81 | 9.56 | 32.93 | 127 | 77 | Average |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 52 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5137.55 | 53.79 | -20.21 | 74 | 43.34 | 34.25 | 9.18 | 32.98 | 106 | 186 | Peak |
| 5140.4 | 40.45 | -13.55 | 54 | 29.91 | 34.29 | 9.22 | 32.97 | 106 | 186 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5149.7 | 54.57 | -19.43 | 74 | 44.03 | 34.29 | 9.22 | 32.97 | 116 | 80 | Peak |
| 5150 | 40.71 | -13.29 | 54 | 30.17 | 34.29 | 9.22 | 32.97 | 116 | 80 | Average |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 64 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5354.18 | 63.44 | -10.56 | 74 | 52 | 34.81 | 9.56 | 32.93 | 104 | 189 | Peak |
| 5350 | 47.26 | -6.74 | 54 | 35.82 | 34.81 | 9.56 | 32.93 | 104 | 189 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5354.07 | 66.11 | -7.89 | 74 | 54.67 | 34.81 | 9.56 | 32.93 | 134 | 76 | Peak |
| 5350 | 48.71 | -5.29 | 54 | 37.27 | 34.81 | 9.56 | 32.93 | 134 | 76 | Average |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 100 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5466.16 | 67.99 | -6.01 | 74 | 56.01 | 35.11 | 9.78 | 32.91 | 150 | 162 | Peak |
| 5470 | 50.66 | -3.34 | 54 | 38.68 | 35.11 | 9.78 | 32.91 | 150 | 162 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5465.52 | 67.73 | -6.27 | 74 | 55.75 | 35.11 | 9.78 | 32.91 | 101 | 74 | Peak |
| 5470 | 50.61 | -3.39 | 54 | 38.63 | 35.11 | 9.78 | 32.91 | 101 | 74 | Average |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 140 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5725.08 | 70.18 | -3.82 | 74 | 58.07 | 35.33 | 10.04 | 33.26 | 108 | 179 | Peak |
| 5725 | 52.7 | -1.3 | 54 | 40.59 | 35.33 | 10.04 | 33.26 | 108 | 179 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5725.16 | 71.67 | -2.33 | 74 | 59.56 | 35.33 | 10.04 | 33.26 | 100 | 65 | Peak |
| 5725 | 53.21 | -0.79 | 54 | 41.1 | 35.33 | 10.04 | 33.26 | 100 | 65 | Average |

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11n HT40 | **Temperature :** | 22~23°C |
| **Test Channel :** | 38 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5150 | 65.5 | -8.5 | 74 | 54.96 | 34.29 | 9.22 | 32.97 | 118 | 187 | Peak |
| 5150 | 51.65 | -2.35 | 54 | 41.11 | 34.29 | 9.22 | 32.97 | 118 | 187 | Average |
| 5437.12 | 55.32 | -18.68 | 74 | 43.47 | 35.03 | 9.73 | 32.91 | 118 | 187 | Peak |
| 5360.45 | 43.08 | -10.92 | 54 | 31.59 | 34.81 | 9.61 | 32.93 | 118 | 187 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5148.8 | 67.76 | -6.24 | 74 | 57.22 | 34.29 | 9.22 | 32.97 | 100 | 85 | Peak |
| 5150 | 53.08 | -0.92 | 54 | 42.54 | 34.29 | 9.22 | 32.97 | 100 | 85 | Average |
| 5379.59 | 55.2 | -18.8 | 74 | 43.62 | 34.9 | 9.61 | 32.93 | 100 | 85 | Peak |
| 5352.75 | 43.37 | -10.63 | 54 | 31.93 | 34.81 | 9.56 | 32.93 | 100 | 85 | Average |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 46 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5144.15 | 56.07 | -17.93 | 74 | 45.53 | 34.29 | 9.22 | 32.97 | 108 | 188 | Peak |
| 5145.8 | 42.43 | -11.57 | 54 | 31.89 | 34.29 | 9.22 | 32.97 | 108 | 188 | Average |
| 5428.76 | 55.94 | -18.06 | 74 | 44.09 | 35.03 | 9.73 | 32.91 | 108 | 188 | Peak |
| 5362.54 | 43.12 | -10.88 | 54 | 31.59 | 34.85 | 9.61 | 32.93 | 108 | 188 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5149.1 | 55.24 | -18.76 | 74 | 44.7 | 34.29 | 9.22 | 32.97 | 127 | 71 | Peak |
| 5149.85 | 42.64 | -11.36 | 54 | 32.1 | 34.29 | 9.22 | 32.97 | 127 | 71 | Average |
| 5425.02 | 55.07 | -18.93 | 74 | 43.32 | 34.98 | 9.69 | 32.92 | 127 | 71 | Peak |
| 5427.33 | 43.07 | -10.93 | 54 | 31.32 | 34.98 | 9.69 | 32.92 | 127 | 71 | Average |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 54 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5132 | 53.99 | -20.01 | 74 | 43.54 | 34.25 | 9.18 | 32.98 | 116 | 186 | Peak |
| 5148.65 | 41.82 | -12.18 | 54 | 31.28 | 34.29 | 9.22 | 32.97 | 116 | 186 | Average |
| 5411.71 | 55.7 | -18.3 | 74 | 43.95 | 34.98 | 9.69 | 32.92 | 116 | 186 | Peak |
| 5352.75 | 43.51 | -10.49 | 54 | 32.07 | 34.81 | 9.56 | 32.93 | 116 | 186 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5095.55 | 53.27 | -20.73 | 74 | 42.95 | 34.16 | 9.14 | 32.98 | 116 | 81 | Peak |
| 5148.05 | 41.93 | -12.07 | 54 | 31.39 | 34.29 | 9.22 | 32.97 | 116 | 81 | Average |
| 5351.65 | 55.6 | -18.4 | 74 | 44.16 | 34.81 | 9.56 | 32.93 | 116 | 81 | Peak |
| 5350.55 | 43.69 | -10.31 | 54 | 32.25 | 34.81 | 9.56 | 32.93 | 116 | 81 | Average |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 62 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5143.25 | 53.67 | -20.33 | 74 | 43.13 | 34.29 | 9.22 | 32.97 | 105 | 186 | Peak |
| 5017.25 | 41.73 | -12.27 | 54 | 31.82 | 33.94 | 8.97 | 33 | 105 | 186 | Average |
| 5350.11 | 61.13 | -12.87 | 74 | 49.69 | 34.81 | 9.56 | 32.93 | 105 | 186 | Peak |
| 5350 | 48.22 | -5.78 | 54 | 36.78 | 34.81 | 9.56 | 32.93 | 105 | 186 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5148.8 | 53.51 | -20.49 | 74 | 42.97 | 34.29 | 9.22 | 32.97 | 114 | 80 | Peak |
| 5149.7 | 41.72 | -12.28 | 54 | 31.18 | 34.29 | 9.22 | 32.97 | 114 | 80 | Average |
| 5350.11 | 63.99 | -10.01 | 74 | 52.55 | 34.81 | 9.56 | 32.93 | 114 | 80 | Peak |
| 5350 | 50.09 | -3.91 | 54 | 38.65 | 34.81 | 9.56 | 32.93 | 114 | 80 | Average |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 102 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5470 | 67.17 | -6.83 | 74 | 55.19 | 35.11 | 9.78 | 32.91 | 129 | 172 | Peak |
| 5469.84 | 53.28 | -0.72 | 54 | 41.3 | 35.11 | 9.78 | 32.91 | 129 | 172 | Average |
| 5756.76 | 55.39 | -18.61 | 74 | 43.27 | 35.36 | 10.06 | 33.3 | 129 | 172 | Peak |
| 5762.36 | 43.29 | -10.71 | 54 | 31.17 | 35.36 | 10.06 | 33.3 | 129 | 172 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5469.84 | 66.66 | -7.34 | 74 | 54.68 | 35.11 | 9.78 | 32.91 | 121 | 73 | Peak |
| 5470 | 53.49 | -0.51 | 54 | 41.51 | 35.11 | 9.78 | 32.91 | 121 | 73 | Average |
| 5726.76 | 55.28 | -18.72 | 74 | 43.17 | 35.33 | 10.04 | 33.26 | 121 | 73 | Peak |
| 5744.36 | 43.34 | -10.66 | 54 | 31.24 | 35.34 | 10.06 | 33.3 | 121 | 73 | Average |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 134 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5392.24 | 54.86 | -19.14 | 74 | 43.23 | 34.9 | 9.65 | 32.92 | 107 | 172 | Peak |
| 5432.4 | 43.07 | -10.93 | 54 | 31.22 | 35.03 | 9.73 | 32.91 | 107 | 172 | Average |
| 5725.48 | 63.76 | -10.24 | 74 | 51.65 | 35.33 | 10.04 | 33.26 | 107 | 172 | Peak |
| 5725.4 | 48.62 | -5.38 | 54 | 36.51 | 35.33 | 10.04 | 33.26 | 107 | 172 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5388.08 | 54.84 | -19.16 | 74 | 43.21 | 34.9 | 9.65 | 32.92 | 100 | 66 | Peak |
| 5448.72 | 42.99 | -11.01 | 54 | 31.1 | 35.07 | 9.73 | 32.91 | 100 | 66 | Average |
| 5725.8 | 64.18 | -9.82 | 74 | 52.07 | 35.33 | 10.04 | 33.26 | 100 | 66 | Peak |
| 5725.88 | 49.1 | -4.9 | 54 | 36.99 | 35.33 | 10.04 | 33.26 | 100 | 66 | Average |

**<Ant 2>**

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11n HT40 | **Temperature :** | 22~23°C |
| **Test Channel :** | 102 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5469.68 | 67.98 | -6.02 | 74 | 56 | 35.11 | 9.78 | 32.91 | 122 | 296 | Peak |
| 5470 | 51.52 | -2.48 | 54 | 39.54 | 35.11 | 9.78 | 32.91 | 122 | 296 | Average |
| 5737 | 56.49 | -17.51 | 74 | 44.37 | 35.34 | 10.04 | 33.26 | 122 | 296 | Peak |
| 5759.64 | 43.14 | -10.86 | 54 | 31.02 | 35.36 | 10.06 | 33.3 | 122 | 296 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5469.36 | 66.49 | -7.51 | 74 | 54.51 | 35.11 | 9.78 | 32.91 | 118 | 60 | Peak |
| 5470 | 53.5 | -0.5 | 54 | 41.52 | 35.11 | 9.78 | 32.91 | 118 | 60 | Average |
| 5732.36 | 55.72 | -18.28 | 74 | 43.61 | 35.33 | 10.04 | 33.26 | 118 | 60 | Peak |
| 5728.44 | 43.23 | -10.77 | 54 | 31.12 | 35.33 | 10.04 | 33.26 | 118 | 60 | Average |

**<Ant1+2>**

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11n HT20 | **Temperature :** | 22~23°C |
| **Test Channel :** | 36 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5150 | 58.13 | -15.87 | 74 | 47.59 | 34.29 | 9.22 | 32.97 | 100 | 189 | Peak |
| 5149.85 | 45.5 | -8.5 | 54 | 34.96 | 34.29 | 9.22 | 32.97 | 100 | 189 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5149.85 | 59.38 | -14.62 | 74 | 48.84 | 34.29 | 9.22 | 32.97 | 129 | 86 | Peak |
| 5149.55 | 46.2 | -7.8 | 54 | 35.66 | 34.29 | 9.22 | 32.97 | 129 | 86 | Average |

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11n HT20 | **Temperature :** | 22~23°C |
| **Test Channel :** | 48 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5421.5 | 54.89 | -19.11 | 74 | 43.14 | 34.98 | 9.69 | 32.92 | 150 | 188 | Peak |
| 5410.28 | 43.39 | -10.61 | 54 | 31.68 | 34.94 | 9.69 | 32.92 | 150 | 188 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5406.65 | 56 | -18 | 74 | 44.29 | 34.94 | 9.69 | 32.92 | 118 | 87 | Peak |
| 5355.06 | 43.18 | -10.82 | 54 | 31.74 | 34.81 | 9.56 | 32.93 | 118 | 87 | Average |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 52 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5135.6 | 54.01 | -19.99 | 74 | 43.56 | 34.25 | 9.18 | 32.98 | 149 | 181 | Peak |
| 5133.95 | 41.79 | -12.21 | 54 | 31.34 | 34.25 | 9.18 | 32.98 | 149 | 181 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5125.55 | 53.97 | -20.03 | 74 | 43.52 | 34.25 | 9.18 | 32.98 | 116 | 85 | Peak |
| 5144.75 | 41.92 | -12.08 | 54 | 31.38 | 34.29 | 9.22 | 32.97 | 116 | 85 | Average |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 64 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5350 | 57.54 | -16.46 | 74 | 46.1 | 34.81 | 9.56 | 32.93 | 105 | 188 | Peak |
| 5350.33 | 44.61 | -9.39 | 54 | 33.17 | 34.81 | 9.56 | 32.93 | 105 | 188 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5351.54 | 58.38 | -15.62 | 74 | 46.94 | 34.81 | 9.56 | 32.93 | 144 | 79 | Peak |
| 5350.55 | 45.47 | -8.53 | 54 | 34.03 | 34.81 | 9.56 | 32.93 | 144 | 79 | Average |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 100 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5469.84 | 58.38 | -15.62 | 74 | 46.4 | 35.11 | 9.78 | 32.91 | 140 | 164 | Peak |
| 5468.88 | 45.29 | -8.71 | 54 | 33.31 | 35.11 | 9.78 | 32.91 | 140 | 164 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5469.2 | 60.06 | -13.94 | 74 | 48.08 | 35.11 | 9.78 | 32.91 | 149 | 82 | Peak |
| 5470 | 46.11 | -7.89 | 54 | 34.13 | 35.11 | 9.78 | 32.91 | 149 | 82 | Average |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 140 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5725.08 | 57.68 | -16.32 | 74 | 45.57 | 35.33 | 10.04 | 33.26 | 100 | 170 | Peak |
| 5725 | 45.23 | -8.77 | 54 | 33.12 | 35.33 | 10.04 | 33.26 | 100 | 170 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5725.32 | 58.73 | -15.27 | 74 | 46.62 | 35.33 | 10.04 | 33.26 | 134 | 74 | Peak |
| 5725 | 46.72 | -7.28 | 54 | 34.61 | 35.33 | 10.04 | 33.26 | 134 | 74 | Average |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 38 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5149.85 | 63.12 | -10.88 | 74 | 52.58 | 34.29 | 9.22 | 32.97 | 123 | 191 | Peak |
| 5150 | 49.95 | -4.05 | 54 | 39.41 | 34.29 | 9.22 | 32.97 | 123 | 191 | Average |
| 5425.24 | 55.65 | -18.35 | 74 | 43.9 | 34.98 | 9.69 | 32.92 | 123 | 191 | Peak |
| 5393.67 | 43.03 | -10.97 | 54 | 31.4 | 34.9 | 9.65 | 32.92 | 123 | 191 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5149.7 | 63.06 | -10.94 | 74 | 52.52 | 34.29 | 9.22 | 32.97 | 139 | 49 | Peak |
| 5150 | 50.33 | -3.67 | 54 | 39.79 | 34.29 | 9.22 | 32.97 | 139 | 49 | Average |
| 5354.84 | 55.02 | -18.98 | 74 | 43.58 | 34.81 | 9.56 | 32.93 | 139 | 49 | Peak |
| 5422.05 | 42.98 | -11.02 | 54 | 31.23 | 34.98 | 9.69 | 32.92 | 139 | 49 | Average |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 46 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5000.9 | 53.98 | -20.02 | 74 | 44.11 | 33.9 | 8.97 | 33 | 120 | 252 | Peak |
| 5134.4 | 41.63 | -12.37 | 54 | 31.18 | 34.25 | 9.18 | 32.98 | 120 | 252 | Average |
| 5424.91 | 55.45 | -18.55 | 74 | 43.7 | 34.98 | 9.69 | 32.92 | 120 | 252 | Peak |
| 5358.03 | 43.05 | -10.95 | 54 | 31.56 | 34.81 | 9.61 | 32.93 | 120 | 252 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5042.6 | 53.34 | -20.66 | 74 | 43.3 | 34.03 | 9.01 | 33 | 140 | 47 | Peak |
| 5149.4 | 42.34 | -11.66 | 54 | 31.8 | 34.29 | 9.22 | 32.97 | 140 | 47 | Average |
| 5360.78 | 55.38 | -18.62 | 74 | 43.85 | 34.85 | 9.61 | 32.93 | 140 | 47 | Peak |
| 5421.28 | 43.1 | -10.9 | 54 | 31.35 | 34.98 | 9.69 | 32.92 | 140 | 47 | Average |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 54 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5085.95 | 53.51 | -20.49 | 74 | 43.28 | 34.12 | 9.1 | 32.99 | 108 | 191 | Peak |
| 5135.3 | 41.77 | -12.23 | 54 | 31.32 | 34.25 | 9.18 | 32.98 | 108 | 191 | Average |
| 5418.2 | 55.09 | -18.91 | 74 | 43.34 | 34.98 | 9.69 | 32.92 | 108 | 191 | Peak |
| 5385.42 | 43.13 | -10.87 | 54 | 31.5 | 34.9 | 9.65 | 32.92 | 108 | 191 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5142.2 | 53.71 | -20.29 | 74 | 43.17 | 34.29 | 9.22 | 32.97 | 106 | 88 | Peak |
| 5136.2 | 41.66 | -12.34 | 54 | 31.21 | 34.25 | 9.18 | 32.98 | 106 | 88 | Average |
| 5398.95 | 55.55 | -18.45 | 74 | 43.88 | 34.94 | 9.65 | 32.92 | 106 | 88 | Peak |
| 5411.93 | 43.16 | -10.84 | 54 | 31.41 | 34.98 | 9.69 | 32.92 | 106 | 88 | Average |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 62 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5142.35 | 54 | -20 | 74 | 43.46 | 34.29 | 9.22 | 32.97 | 107 | 190 | Peak |
| 5056.85 | 41.74 | -12.26 | 54 | 31.61 | 34.07 | 9.05 | 32.99 | 107 | 190 | Average |
| 5351.54 | 58.98 | -15.02 | 74 | 47.54 | 34.81 | 9.56 | 32.93 | 107 | 190 | Peak |
| 5350.22 | 47.41 | -6.59 | 54 | 35.97 | 34.81 | 9.56 | 32.93 | 107 | 190 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5024.6 | 53.63 | -20.37 | 74 | 43.63 | 33.99 | 9.01 | 33 | 115 | 79 | Peak |
| 5140.55 | 41.59 | -12.41 | 54 | 31.05 | 34.29 | 9.22 | 32.97 | 115 | 79 | Average |
| 5350.77 | 61.42 | -12.58 | 74 | 49.98 | 34.81 | 9.56 | 32.93 | 115 | 79 | Peak |
| 5350 | 49.17 | -4.83 | 54 | 37.73 | 34.81 | 9.56 | 32.93 | 115 | 79 | Average |

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11n HT40 | **Temperature :** | 22~23°C |
| **Test Channel :** | 102 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | | |

| ANTENNA POLARITY : HORIZONTAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5469.52 | 66.08 | -7.92 | 74 | 54.1 | 35.11 | 9.78 | 32.91 | 102 | 170 | Peak |
| 5470 | 52.26 | -1.74 | 54 | 40.28 | 35.11 | 9.78 | 32.91 | 102 | 170 | Average |
| 5737.16 | 55.05 | -18.95 | 74 | 42.93 | 35.34 | 10.04 | 33.26 | 102 | 170 | Peak |
| 5750.44 | 42.96 | -11.04 | 54 | 30.86 | 35.34 | 10.06 | 33.3 | 102 | 170 | Average |

| ANTENNA POLARITY : VERTICAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
| 5469.68 | 69.05 | -4.95 | 74 | 57.07 | 35.11 | 9.78 | 32.91 | 102 | 73 | Peak |
| 5470 | 53.65 | -0.35 | 54 | 41.67 | 35.11 | 9.78 | 32.91 | 102 | 73 | Average |
| 5759.24 | 55.12 | -18.88 | 74 | 43 | 35.36 | 10.06 | 33.3 | 102 | 73 | Peak |
| 5740.6 | 43.04 | -10.96 | 54 | 30.94 | 35.34 | 10.06 | 33.3 | 102 | 73 | Average |

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11n HT40 | **Temperature :** | 22~23°C |
| **Test Channel :** | 134 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | | |

**ANTENNA POLARITY : HORIZONTAL**

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 5404.72 | 54.86 | -19.14 | 74 | 43.15 | 34.94 | 9.69 | 32.92 | 100 | 171 | Peak |
| 5452.88 | 42.89 | -11.11 | 54 | 30.95 | 35.07 | 9.78 | 32.91 | 100 | 171 | Average |
| 5727.72 | 56.19 | -17.81 | 74 | 44.08 | 35.33 | 10.04 | 33.26 | 100 | 171 | Peak |
| 5727.56 | 43.79 | -10.21 | 54 | 31.68 | 35.33 | 10.04 | 33.26 | 100 | 171 | Average |

**ANTENNA POLARITY : VERTICAL**

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 5465.84 | 55.19 | -18.81 | 74 | 43.21 | 35.11 | 9.78 | 32.91 | 108 | 70 | Peak |
| 5443.92 | 42.71 | -11.29 | 54 | 30.86 | 35.03 | 9.73 | 32.91 | 108 | 70 | Average |
| 5725.88 | 56.38 | -17.62 | 74 | 44.27 | 35.33 | 10.04 | 33.26 | 108 | 70 | Peak |
| 5727.8 | 44.25 | -9.75 | 54 | 32.14 | 35.33 | 10.04 | 33.26 | 108 | 70 | Average |

### 3.2.7 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

**<Ant 1>**

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11a | **Temperature :** | 22~23°C |
| **Test Channel :** | 36 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | **Polarization :** | Horizontal |
| **Remark :** | 1. 5180 MHz is fundamental signal which can be ignored.<br>2. 1992 MHz, 2096 MHz, 2194 MHz, 3494 MHz, 3596 MHz, 4490 MHz, and 10359 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1394 | 28.3 | -25.7 | 54 | 52.04 | 27.97 | 5.03 | 56.74 | 100 | 339 | Average |
| 1394 | 59.42 | -14.58 | 74 | 83.16 | 27.97 | 5.03 | 56.74 | 100 | 339 | Peak |
| 1992 | 29.6 | -24.4 | 54 | 48.19 | 31.76 | 6.27 | 56.62 | 100 | 33 | Average |
| 1992 | 58.3 | -15.7 | 74 | 76.89 | 31.76 | 6.27 | 56.62 | 100 | 33 | Peak |
| 2096 | 29.55 | -24.45 | 54 | 47.66 | 31.99 | 6.47 | 56.57 | 100 | 40 | Average |
| 2096 | 59 | -15 | 74 | 77.11 | 31.99 | 6.47 | 56.57 | 100 | 40 | Peak |
| 2194 | 31.86 | -22.14 | 54 | 49.66 | 32.09 | 6.62 | 56.51 | 100 | 65 | Average |
| 2194 | 61.06 | -12.94 | 74 | 78.86 | 32.09 | 6.62 | 56.51 | 100 | 65 | Peak |
| 2890 | 28.92 | -25.08 | 54 | 46.07 | 32.71 | 6.67 | 56.53 | 100 | 337 | Average |
| 2890 | 59.84 | -14.16 | 74 | 76.99 | 32.71 | 6.67 | 56.53 | 100 | 337 | Peak |
| 3494 | 31.13 | -22.87 | 54 | 48.25 | 32.7 | 7.3 | 57.12 | 100 | 0 | Average |
| 3494 | 53.12 | -20.88 | 74 | 70.24 | 32.7 | 7.3 | 57.12 | 100 | 0 | Peak |
| 3596 | 29.17 | -24.83 | 54 | 46.25 | 32.74 | 7.39 | 57.21 | 100 | 0 | Average |
| 3596 | 52.79 | -21.21 | 74 | 69.87 | 32.74 | 7.39 | 57.21 | 100 | 0 | Peak |
| 3696 | 36.21 | -17.79 | 54 | 53.26 | 32.78 | 7.48 | 57.31 | 100 | 263 | Average |
| 3696 | 51.12 | -22.88 | 74 | 68.17 | 32.78 | 7.48 | 57.31 | 100 | 263 | Peak |
| 4490 | 31.85 | -22.15 | 54 | 46.8 | 34.06 | 8.42 | 57.43 | 100 | 48 | Average |
| 4490 | 55.61 | -18.39 | 74 | 70.56 | 34.06 | 8.42 | 57.43 | 100 | 81 | Peak |
| 5180 | 96.66 | - | - | 85.98 | 34.38 | 9.27 | 32.97 | 117 | 160 | Average |
| 5180 | 107.89 | - | - | 97.21 | 34.38 | 9.27 | 32.97 | 117 | 160 | Peak |
| 10359 | 41.9 | -32.1 | 74 | 49.46 | 37.29 | 13.71 | 58.56 | 100 | 0 | Peak |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 36 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5180 MHz is fundamental signal which can be ignored.<br>2. 2000 MHz, 2094 MHz, 2190 MHz, 3484 MHz, 3592 MHz, and 10359 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1096 | 32.69 | -21.31 | 54 | 56.57 | 29.03 | 4.45 | 57.36 | 100 | 0 | Average |
| 1096 | 59.5 | -14.5 | 74 | 83.38 | 29.03 | 4.45 | 57.36 | 100 | 0 | Peak |
| 2000 | 30.16 | -23.84 | 54 | 48.56 | 31.9 | 6.32 | 56.62 | 100 | 25 | Average |
| 2000 | 59.44 | -14.56 | 74 | 77.84 | 31.9 | 6.32 | 56.62 | 100 | 25 | Peak |
| 2094 | 27.97 | -26.03 | 54 | 46.08 | 31.99 | 6.47 | 56.57 | 100 | 0 | Average |
| 2094 | 58.3 | -15.7 | 74 | 76.41 | 31.99 | 6.47 | 56.57 | 100 | 0 | Peak |
| 2190 | 27.48 | -26.52 | 54 | 45.28 | 32.09 | 6.62 | 56.51 | 100 | 0 | Average |
| 2190 | 63.54 | -10.46 | 74 | 81.34 | 32.09 | 6.62 | 56.51 | 100 | 0 | Peak |
| 3484 | 29.75 | -24.25 | 54 | 46.85 | 32.7 | 7.3 | 57.1 | 100 | 0 | Average |
| 3484 | 53.3 | -20.7 | 74 | 70.4 | 32.7 | 7.3 | 57.1 | 100 | 0 | Peak |
| 3592 | 29.04 | -24.96 | 54 | 46.12 | 32.73 | 7.39 | 57.2 | 100 | 0 | Average |
| 3592 | 56.37 | -17.63 | 74 | 73.45 | 32.73 | 7.39 | 57.2 | 100 | 0 | Peak |
| 3696 | 28.19 | -25.81 | 54 | 45.24 | 32.78 | 7.48 | 57.31 | 100 | 0 | Average |
| 3696 | 51.25 | -22.75 | 74 | 68.3 | 32.78 | 7.48 | 57.31 | 100 | 0 | Peak |
| 5180 | 97.35 | - | - | 86.67 | 34.38 | 9.27 | 32.97 | 100 | 86 | Average |
| 5180 | 108.74 | - | - | 98.06 | 34.38 | 9.27 | 32.97 | 100 | 86 | Peak |
| 10359 | 39.45 | -34.55 | 74 | 47.01 | 37.29 | 13.71 | 58.56 | 100 | 0 | Peak |

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11a | **Temperature :** | 22~23°C |
| **Test Channel :** | 44 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | **Polarization :** | Horizontal |
| **Remark :** | 1. 5222 MHz is fundamental signal which can be ignored.<br>2. 1998 MHz, 2094 MHz, 2190 MHz, 3486 MHz, 3588 MHz, 4484 MHz, and 10440 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1194 | 28.95 | -25.05 | 54 | 52.77 | 28.72 | 4.64 | 57.18 | 100 | 78 | Average |
| 1194 | 56.65 | -17.35 | 74 | 80.47 | 28.72 | 4.64 | 57.18 | 100 | 78 | Peak |
| 1998 | 30.38 | -23.62 | 54 | 48.78 | 31.9 | 6.32 | 56.62 | 100 | 50 | Average |
| 1998 | 56.47 | -17.53 | 74 | 74.87 | 31.9 | 6.32 | 56.62 | 100 | 50 | Peak |
| 2094 | 29.05 | -24.95 | 54 | 47.16 | 31.99 | 6.47 | 56.57 | 100 | 41 | Average |
| 2094 | 60.31 | -13.69 | 74 | 78.42 | 31.99 | 6.47 | 56.57 | 100 | 41 | Peak |
| 2190 | 29.05 | -24.95 | 54 | 46.85 | 32.09 | 6.62 | 56.51 | 100 | 67 | Average |
| 2190 | 63.95 | -10.05 | 74 | 81.75 | 32.09 | 6.62 | 56.51 | 100 | 67 | Peak |
| 2890 | 28.54 | -25.46 | 54 | 45.69 | 32.71 | 6.67 | 56.53 | 100 | 31 | Average |
| 2890 | 58.01 | -15.99 | 74 | 75.16 | 32.71 | 6.67 | 56.53 | 100 | 31 | Peak |
| 3486 | 34.68 | -19.32 | 54 | 51.78 | 32.7 | 7.3 | 57.1 | 100 | 70 | Average |
| 3486 | 55.23 | -18.77 | 74 | 72.33 | 32.7 | 7.3 | 57.1 | 100 | 70 | Peak |
| 3588 | 31.16 | -22.84 | 54 | 48.24 | 32.73 | 7.39 | 57.2 | 100 | 39 | Average |
| 3588 | 50.68 | -23.32 | 74 | 67.76 | 32.73 | 7.39 | 57.2 | 100 | 39 | Peak |
| 3694 | 28.36 | -25.64 | 54 | 45.39 | 32.78 | 7.48 | 57.29 | 100 | 31 | Average |
| 3694 | 50.56 | -23.44 | 74 | 67.59 | 32.78 | 7.48 | 57.29 | 100 | 31 | Peak |
| 4484 | 31.42 | -22.58 | 54 | 46.37 | 34.06 | 8.42 | 57.43 | 100 | 0 | Average |
| 4484 | 56.47 | -17.53 | 74 | 71.42 | 34.06 | 8.42 | 57.43 | 100 | 0 | Peak |
| 5222 | 96.72 | - | - | 85.87 | 34.46 | 9.35 | 32.96 | 106 | 156 | Average |
| 5222 | 108.26 | - | - | 97.41 | 34.46 | 9.35 | 32.96 | 106 | 156 | Peak |
| 10440 | 44.4 | -29.6 | 74 | 51.96 | 37.35 | 13.71 | 58.62 | 100 | 0 | Peak |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 44 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5222 MHz is fundamental signal which can be ignored.<br>2. 1994 MHz, 2092 MHz, 2192 MHz, 3486 MHz, 3586 MHz, and 10440 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1098 | 32.53 | -21.47 | 54 | 56.41 | 29.03 | 4.45 | 57.36 | 100 | 0 | Average |
| 1098 | 59.46 | -14.54 | 74 | 83.34 | 29.03 | 4.45 | 57.36 | 100 | 0 | Peak |
| 1994 | 27.56 | -26.44 | 54 | 46.15 | 31.76 | 6.27 | 56.62 | 100 | 37 | Average |
| 1994 | 58.72 | -15.28 | 74 | 77.31 | 31.76 | 6.27 | 56.62 | 100 | 37 | Peak |
| 2092 | 29.58 | -24.42 | 54 | 47.69 | 31.99 | 6.47 | 56.57 | 100 | 50 | Average |
| 2092 | 57.46 | -16.54 | 74 | 75.57 | 31.99 | 6.47 | 56.57 | 100 | 50 | Peak |
| 2192 | 30.39 | -23.61 | 54 | 48.19 | 32.09 | 6.62 | 56.51 | 100 | 60 | Average |
| 2192 | 62.94 | -11.06 | 74 | 80.74 | 32.09 | 6.62 | 56.51 | 100 | 60 | Peak |
| 3486 | 28.15 | -25.85 | 54 | 45.25 | 32.7 | 7.3 | 57.1 | 100 | 0 | Average |
| 3486 | 50.88 | -23.12 | 74 | 67.98 | 32.7 | 7.3 | 57.1 | 100 | 0 | Peak |
| 3586 | 29.69 | -24.31 | 54 | 46.77 | 32.73 | 7.39 | 57.2 | 100 | 58 | Average |
| 3586 | 55.45 | -18.55 | 74 | 72.53 | 32.73 | 7.39 | 57.2 | 100 | 58 | Peak |
| 5222 | 97.16 | - | - | 86.31 | 34.46 | 9.35 | 32.96 | 139 | 72 | Average |
| 5222 | 108.64 | - | - | 97.79 | 34.46 | 9.35 | 32.96 | 139 | 72 | Peak |
| 10440 | 44 | -30 | 74 | 51.56 | 37.35 | 13.71 | 58.62 | 100 | 0 | Peak |

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11a | **Temperature :** | 22~23°C |
| **Test Channel :** | 48 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | **Polarization :** | Horizontal |
| **Remark :** | 1. 5238 MHz is fundamental signal which can be ignored.<br>2. 1990 MHz, 2092 MHz, 2190 MHz, 3488 MHz, 3592 MHz, 4482 MHz, and 10479 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1990 | 29.32 | -24.68 | 54 | 47.91 | 31.76 | 6.27 | 56.62 | 100 | 25 | Average |
| 1990 | 59.63 | -14.37 | 74 | 78.22 | 31.76 | 6.27 | 56.62 | 100 | 25 | Peak |
| 2092 | 22.5 | -31.5 | 54 | 40.61 | 31.99 | 6.47 | 56.57 | 100 | 89 | Average |
| 2092 | 61.55 | -12.45 | 74 | 79.66 | 31.99 | 6.47 | 56.57 | 100 | 89 | Peak |
| 2190 | 30.39 | -23.61 | 54 | 48.19 | 32.09 | 6.62 | 56.51 | 100 | 126 | Average |
| 2190 | 60.1 | -13.9 | 74 | 77.9 | 32.09 | 6.62 | 56.51 | 100 | 126 | Peak |
| 2890 | 28.74 | -25.26 | 54 | 45.89 | 32.71 | 6.67 | 56.53 | 100 | 25 | Average |
| 2890 | 59.22 | -14.78 | 74 | 76.37 | 32.71 | 6.67 | 56.53 | 100 | 25 | Peak |
| 3488 | 31.27 | -22.73 | 54 | 48.37 | 32.7 | 7.3 | 57.1 | 100 | 98 | Average |
| 3488 | 56.11 | -17.89 | 74 | 73.21 | 32.7 | 7.3 | 57.1 | 100 | 98 | Peak |
| 3592 | 25.4 | -28.6 | 54 | 42.48 | 32.73 | 7.39 | 57.2 | 100 | 243 | Average |
| 3592 | 52.98 | -21.02 | 74 | 70.06 | 32.73 | 7.39 | 57.2 | 100 | 243 | Peak |
| 3692 | 28.68 | -25.32 | 54 | 45.71 | 32.78 | 7.48 | 57.29 | 100 | 271 | Average |
| 3692 | 52.8 | -21.2 | 74 | 69.83 | 32.78 | 7.48 | 57.29 | 100 | 271 | Peak |
| 4482 | 31.49 | -22.51 | 54 | 46.44 | 34.06 | 8.42 | 57.43 | 100 | 2 | Average |
| 4482 | 54.84 | -19.16 | 74 | 69.79 | 34.06 | 8.42 | 57.43 | 100 | 2 | Peak |
| 5238 | 96.15 | 42.15 | 54 | 85.2 | 34.51 | 9.39 | 32.95 | 106 | 165 | Average |
| 5238 | 107.38 | 33.38 | 74 | 96.43 | 34.51 | 9.39 | 32.95 | 106 | 165 | Peak |
| 10479 | 44.54 | -29.46 | 74 | 52.09 | 37.39 | 13.72 | 58.66 | 100 | 0 | Peak |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 48 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5240 MHz is fundamental signal which can be ignored.<br>2. 1992 MHz, 2096 MHz, 2196 MHz, 3490 MHz, 3594 MHz, and 10479 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1992 | 29.1 | -24.9 | 54 | 47.69 | 31.76 | 6.27 | 56.62 | 145 | 298 | Average |
| 1992 | 61.91 | -12.09 | 74 | 80.5 | 31.76 | 6.27 | 56.62 | 145 | 298 | Peak |
| 2096 | 30.87 | -23.13 | 54 | 48.98 | 31.99 | 6.47 | 56.57 | 108 | 254 | Average |
| 2096 | 59.72 | -14.28 | 74 | 77.83 | 31.99 | 6.47 | 56.57 | 108 | 254 | Peak |
| 2196 | 27.39 | -26.61 | 54 | 45.19 | 32.09 | 6.62 | 56.51 | 105 | 234 | Average |
| 2196 | 63.75 | -10.25 | 74 | 81.55 | 32.09 | 6.62 | 56.51 | 105 | 234 | Peak |
| 3490 | 30.37 | -23.63 | 54 | 47.47 | 32.7 | 7.3 | 57.1 | 100 | 88 | Average |
| 3490 | 53.12 | -20.88 | 74 | 70.22 | 32.7 | 7.3 | 57.1 | 100 | 88 | Peak |
| 3594 | 31.74 | -22.26 | 54 | 48.82 | 32.74 | 7.39 | 57.21 | 100 | 123 | Average |
| 3594 | 53.77 | -20.23 | 74 | 70.85 | 32.74 | 7.39 | 57.21 | 100 | 123 | Peak |
| 5240 | 96.93 | 42.93 | 54 | 85.98 | 34.51 | 9.39 | 32.95 | 136 | 70 | Average |
| 5240 | 107.84 | 33.84 | 74 | 96.89 | 34.51 | 9.39 | 32.95 | 136 | 70 | Peak |
| 10479 | 45.34 | -28.66 | 74 | 52.89 | 37.39 | 13.72 | 58.66 | 100 | 0 | Peak |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 52 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5262 MHz is fundamental signal which can be ignored.<br>2. 1996 MHz, 2092 MHz, 2192 MHz, 3496 MHz, 4482 MHz, and 10521 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | 31.6 | -22.4 | 54 | 50 | 31.9 | 6.32 | 56.62 | 100 | 41 | Average |
| 1996 | 58.06 | -15.94 | 74 | 76.46 | 31.9 | 6.32 | 56.62 | 100 | 41 | Peak |
| 2092 | 33.27 | -20.73 | 54 | 51.38 | 31.99 | 6.47 | 56.57 | 100 | 57 | Average |
| 2092 | 60.94 | -13.06 | 74 | 79.05 | 31.99 | 6.47 | 56.57 | 100 | 57 | Peak |
| 2192 | 33.89 | -20.11 | 54 | 51.69 | 32.09 | 6.62 | 56.51 | 100 | 64 | Average |
| 2192 | 60.96 | -13.04 | 74 | 78.76 | 32.09 | 6.62 | 56.51 | 100 | 64 | Peak |
| 3496 | 32.71 | -21.29 | 54 | 49.83 | 32.7 | 7.3 | 57.12 | 100 | 75 | Average |
| 3496 | 55.41 | -18.59 | 74 | 72.53 | 32.7 | 7.3 | 57.12 | 100 | 75 | Peak |
| 4482 | 35.08 | -18.92 | 54 | 50.03 | 34.06 | 8.42 | 57.43 | 100 | 29 | Average |
| 4482 | 57.05 | -16.95 | 74 | 72 | 34.06 | 8.42 | 57.43 | 100 | 29 | Peak |
| 5262 | 95.41 | - | - | 84.33 | 34.59 | 9.44 | 32.95 | 148 | 183 | Average |
| 5262 | 106.61 | - | - | 95.53 | 34.59 | 9.44 | 32.95 | 148 | 183 | Peak |
| 10521 | 44.75 | -29.25 | 74 | 52.28 | 37.42 | 13.72 | 58.67 | 100 | 0 | Peak |

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11a | **Temperature :** | 22~23°C |
| **Test Channel :** | 52 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | **Polarization :** | Vertical |
| **Remark :** | 1. 5260 MHz is fundamental signal which can be ignored.<br>2. 1998 MHz, 2094 MHz, 2196 MHz, 3490 MHz, 3586 MHz, and 10521 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1998 | 33.77 | -20.23 | 54 | 52.17 | 31.9 | 6.32 | 56.62 | 100 | 102 | Average |
| 1998 | 61.62 | -12.38 | 74 | 80.02 | 31.9 | 6.32 | 56.62 | 100 | 102 | Peak |
| 2094 | 33.33 | -20.67 | 54 | 51.44 | 31.99 | 6.47 | 56.57 | 100 | 44 | Average |
| 2094 | 60.67 | -13.33 | 74 | 78.78 | 31.99 | 6.47 | 56.57 | 100 | 44 | Peak |
| 2196 | 35.01 | -18.99 | 54 | 52.81 | 32.09 | 6.62 | 56.51 | 100 | 37 | Average |
| 2196 | 63.13 | -10.87 | 74 | 80.93 | 32.09 | 6.62 | 56.51 | 100 | 37 | Peak |
| 3490 | 32.18 | -21.82 | 54 | 49.28 | 32.7 | 7.3 | 57.1 | 100 | 37 | Average |
| 3490 | 53.73 | -20.27 | 74 | 70.83 | 32.7 | 7.3 | 57.1 | 100 | 37 | Peak |
| 3586 | 32.87 | -21.13 | 54 | 49.95 | 32.73 | 7.39 | 57.2 | 100 | 78 | Average |
| 3586 | 55.22 | -18.78 | 74 | 72.3 | 32.73 | 7.39 | 57.2 | 100 | 78 | Peak |
| 5260 | 97.11 | - | - | 86.03 | 34.59 | 9.44 | 32.95 | 116 | 80 | Average |
| 5260 | 108.51 | - | - | 97.43 | 34.59 | 9.44 | 32.95 | 116 | 80 | Peak |
| 10521 | 44.42 | -29.58 | 74 | 51.95 | 37.42 | 13.72 | 58.67 | 100 | 0 | Peak |

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11a | **Temperature :** | 22~23°C |
| **Test Channel :** | 60 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | **Polarization :** | Horizontal |
| **Remark :** | 1. 5302 MHz is fundamental signal which can be ignored.<br>2. 1994 MHz, 2098 MHz, 2192 MHz, 3486 MHz, 4490 MHz, and 10599 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1994 | 31.78 | -22.22 | 54 | 50.37 | 31.76 | 6.27 | 56.62 | 100 | 84 | Average |
| 1994 | 57.32 | -16.68 | 74 | 75.91 | 31.76 | 6.27 | 56.62 | 100 | 84 | Peak |
| 2098 | 33.02 | -20.98 | 54 | 51.11 | 32 | 6.47 | 56.56 | 100 | 98 | Average |
| 2098 | 60.25 | -13.75 | 74 | 78.34 | 32 | 6.47 | 56.56 | 100 | 98 | Peak |
| 2192 | 33.12 | -20.88 | 54 | 50.92 | 32.09 | 6.62 | 56.51 | 100 | 137 | Average |
| 2192 | 59.91 | -14.09 | 74 | 77.71 | 32.09 | 6.62 | 56.51 | 100 | 137 | Peak |
| 3486 | 32.78 | -21.22 | 54 | 49.88 | 32.7 | 7.3 | 57.1 | 100 | 25 | Average |
| 3486 | 56.44 | -17.56 | 74 | 73.54 | 32.7 | 7.3 | 57.1 | 100 | 25 | Peak |
| 4490 | 33.78 | -20.22 | 54 | 48.73 | 34.06 | 8.42 | 57.43 | 100 | 87 | Average |
| 4490 | 56.13 | -17.87 | 74 | 71.08 | 34.06 | 8.42 | 57.43 | 100 | 87 | Peak |
| 5302 | 97.51 | - | - | 86.29 | 34.68 | 9.48 | 32.94 | 157 | 175 | Average |
| 5302 | 108.78 | - | - | 97.56 | 34.68 | 9.48 | 32.94 | 157 | 175 | Peak |
| 10599 | 44.18 | -29.82 | 74 | 51.59 | 37.5 | 13.73 | 58.64 | 100 | 0 | Peak |

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11a | **Temperature :** | 22~23°C |
| **Test Channel :** | 60 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | **Polarization :** | Vertical |
| **Remark :** | 1. 5303 MHz is fundamental signal which can be ignored.<br>2. 1994 MHz, 2098 MHz, 2192 MHz, 3486 MHz, 3596 MHz, and 10599 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1994 | 32.96 | -21.04 | 54 | 51.55 | 31.76 | 6.27 | 56.62 | 100 | 115 | Average |
| 1994 | 60.85 | -13.15 | 74 | 79.44 | 31.76 | 6.27 | 56.62 | 100 | 115 | Peak |
| 2098 | 32.15 | -21.85 | 54 | 50.24 | 32 | 6.47 | 56.56 | 100 | 106 | Average |
| 2098 | 59.94 | -14.06 | 74 | 78.03 | 32 | 6.47 | 56.56 | 100 | 106 | Peak |
| 2192 | 35.66 | -18.34 | 54 | 53.46 | 32.09 | 6.62 | 56.51 | 100 | 62 | Average |
| 2192 | 64.38 | -9.62 | 74 | 82.18 | 32.09 | 6.62 | 56.51 | 100 | 62 | Peak |
| 3486 | 31.08 | -22.92 | 54 | 48.18 | 32.7 | 7.3 | 57.1 | 100 | 26 | Average |
| 3486 | 53.74 | -20.26 | 74 | 70.84 | 32.7 | 7.3 | 57.1 | 100 | 26 | Peak |
| 3596 | 30.24 | -23.76 | 54 | 47.32 | 32.74 | 7.39 | 57.21 | 100 | 75 | Average |
| 3596 | 53.85 | -20.15 | 74 | 70.93 | 32.74 | 7.39 | 57.21 | 100 | 75 | Peak |
| 5303 | 98.78 | - | - | 87.56 | 34.68 | 9.48 | 32.94 | 125 | 80 | Average |
| 5303 | 110.19 | - | - | 98.97 | 34.68 | 9.48 | 32.94 | 125 | 80 | Peak |
| 10599 | 44.17 | -29.83 | 74 | 51.58 | 37.5 | 13.73 | 58.64 | 100 | 0 | Peak |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 64 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5318 MHz is fundamental signal which can be ignored.<br>2. 1996 MHz, 2098 MHz, 2196 MHz, 3490 MHz, and 4486 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | 29.81 | -24.19 | 54 | 48.21 | 31.9 | 6.32 | 56.62 | 100 | 57 | Average |
| 1996 | 54.43 | -19.57 | 74 | 72.83 | 31.9 | 6.32 | 56.62 | 100 | 57 | Peak |
| 2098 | 33.31 | -20.69 | 54 | 51.4 | 32 | 6.47 | 56.56 | 100 | 34 | Average |
| 2098 | 60.76 | -13.24 | 74 | 78.85 | 32 | 6.47 | 56.56 | 100 | 34 | Peak |
| 2196 | 32.87 | -21.13 | 54 | 50.67 | 32.09 | 6.62 | 56.51 | 100 | 108 | Average |
| 2196 | 58.92 | -15.08 | 74 | 76.72 | 32.09 | 6.62 | 56.51 | 100 | 108 | Peak |
| 3490 | 32.96 | -21.04 | 54 | 50.06 | 32.7 | 7.3 | 57.1 | 100 | 44 | Average |
| 3490 | 55.56 | -18.44 | 74 | 72.66 | 32.7 | 7.3 | 57.1 | 100 | 44 | Peak |
| 4486 | 34.43 | -19.57 | 54 | 49.38 | 34.06 | 8.42 | 57.43 | 100 | 36 | Average |
| 4486 | 55.34 | -18.66 | 74 | 70.29 | 34.06 | 8.42 | 57.43 | 100 | 36 | Peak |
| 5318 | 98.63 | - | - | 87.33 | 34.72 | 9.52 | 32.94 | 144 | 169 | Average |
| 5318 | 110.03 | - | - | 98.73 | 34.72 | 9.52 | 32.94 | 144 | 169 | Peak |
| 10641 | 45.08 | -28.92 | 74 | 52.44 | 37.54 | 13.73 | 58.63 | 100 | 0 | Peak |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 64 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5322 MHz is fundamental signal which can be ignored.<br>2. 1992 MHz, 2092 MHz, 2192 MHz, 3490 MHz, and 3596 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1992 | 32.92 | -21.08 | 54 | 51.51 | 31.76 | 6.27 | 56.62 | 100 | 101 | Average |
| 1992 | 59.89 | -14.11 | 74 | 78.48 | 31.76 | 6.27 | 56.62 | 100 | 101 | Peak |
| 2092 | 32.27 | -21.73 | 54 | 50.38 | 31.99 | 6.47 | 56.57 | 100 | 52 | Average |
| 2092 | 58.78 | -15.22 | 74 | 76.89 | 31.99 | 6.47 | 56.57 | 100 | 52 | Peak |
| 2190 | 35.69 | -18.31 | 54 | 53.49 | 32.09 | 6.62 | 56.51 | 100 | 41 | Average |
| 2190 | 65.88 | -8.12 | 74 | 83.68 | 32.09 | 6.62 | 56.51 | 100 | 41 | Peak |
| 3490 | 29.31 | -24.69 | 54 | 46.41 | 32.7 | 7.3 | 57.1 | 100 | 81 | Average |
| 3490 | 51.17 | -22.83 | 74 | 68.27 | 32.7 | 7.3 | 57.1 | 100 | 81 | Peak |
| 3596 | 31.05 | -22.95 | 54 | 48.13 | 32.74 | 7.39 | 57.21 | 100 | 62 | Average |
| 3596 | 54.4 | -19.6 | 74 | 71.48 | 32.74 | 7.39 | 57.21 | 100 | 62 | Peak |
| 5322 | 99.57 | - | - | 88.27 | 34.72 | 9.52 | 32.94 | 134 | 78 | Average |
| 5322 | 111.02 | - | - | 99.72 | 34.72 | 9.52 | 32.94 | 134 | 78 | Peak |
| 10641 | 45.03 | -28.97 | 74 | 52.39 | 37.54 | 13.73 | 58.63 | 100 | 0 | Peak |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 100 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5496 MHz is fundamental signal which can be ignored.<br>2. 2090 MHz, 2194 MHz, 3486 MHz, and 4482 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1198 | 26.45 | -27.55 | 54 | 50.29 | 28.66 | 4.64 | 57.14 | 100 | 26 | Average |
| 1198 | 57.86 | -16.14 | 74 | 81.7 | 28.66 | 4.64 | 57.14 | 100 | 26 | Peak |
| 2090 | 32.85 | -21.15 | 54 | 51 | 31.99 | 6.43 | 56.57 | 100 | 35 | Average |
| 2090 | 61.35 | -12.65 | 74 | 79.5 | 31.99 | 6.43 | 56.57 | 100 | 35 | Peak |
| 2194 | 32.86 | -21.14 | 54 | 50.66 | 32.09 | 6.62 | 56.51 | 100 | 119 | Average |
| 2194 | 59.19 | -14.81 | 74 | 76.99 | 32.09 | 6.62 | 56.51 | 100 | 119 | Peak |
| 3486 | 33.95 | -20.05 | 54 | 51.05 | 32.7 | 7.3 | 57.1 | 100 | 131 | Average |
| 3486 | 56.7 | -17.3 | 74 | 73.8 | 32.7 | 7.3 | 57.1 | 100 | 131 | Peak |
| 4482 | 35.51 | -18.49 | 54 | 50.46 | 34.06 | 8.42 | 57.43 | 100 | 49 | Average |
| 4482 | 55.16 | -18.84 | 74 | 70.11 | 34.06 | 8.42 | 57.43 | 100 | 49 | Peak |
| 5496 | 98.34 | - | - | 86.26 | 35.16 | 9.82 | 32.9 | 111 | 172 | Average |
| 5496 | 109.27 | - | - | 97.19 | 35.16 | 9.82 | 32.9 | 111 | 172 | Peak |
| 11001 | 44.54 | -29.46 | 74 | 51.42 | 37.9 | 13.76 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 100 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5504 MHz is fundamental signal which can be ignored.<br>2. 1992 MHz, 2092 MHz, 2190 MHz, 3490 MHz, and 3588 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1992 | 32.49 | -21.51 | 54 | 51.08 | 31.76 | 6.27 | 56.62 | 100 | 137 | Average |
| 1992 | 59.63 | -14.37 | 74 | 78.22 | 31.76 | 6.27 | 56.62 | 100 | 137 | Peak |
| 2092 | 32.81 | -21.19 | 54 | 50.92 | 31.99 | 6.47 | 56.57 | 100 | 78 | Average |
| 2092 | 58.78 | -15.22 | 74 | 76.89 | 31.99 | 6.47 | 56.57 | 100 | 78 | Peak |
| 2190 | 35.63 | -18.37 | 54 | 53.43 | 32.09 | 6.62 | 56.51 | 100 | 127 | Average |
| 2190 | 63.73 | -10.27 | 74 | 81.53 | 32.09 | 6.62 | 56.51 | 100 | 127 | Peak |
| 3490 | 29.49 | -24.51 | 54 | 46.59 | 32.7 | 7.3 | 57.1 | 100 | 94 | Average |
| 3490 | 51.06 | -22.94 | 74 | 68.16 | 32.7 | 7.3 | 57.1 | 100 | 94 | Peak |
| 3588 | 31.4 | -22.6 | 54 | 48.48 | 32.73 | 7.39 | 57.2 | 100 | 109 | Average |
| 3588 | 55.09 | -18.91 | 74 | 72.17 | 32.73 | 7.39 | 57.2 | 100 | 109 | Peak |
| 5504 | 98.78 | - | - | 86.62 | 35.2 | 9.86 | 32.9 | 120 | 74 | Average |
| 5504 | 110.15 | - | - | 97.99 | 35.2 | 9.86 | 32.9 | 120 | 74 | Peak |
| 11001 | 45.43 | -28.57 | 74 | 52.31 | 37.9 | 13.76 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 116 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5576 MHz is fundamental signal which can be ignored.<br>2. 2092 MHz, 2198 MHz, 3498 MHz, and 4482 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1196 | 26.93 | -27.07 | 54 | 50.77 | 28.66 | 4.64 | 57.14 | 100 | 26 | Average |
| 1196 | 60.25 | -13.75 | 74 | 84.09 | 28.66 | 4.64 | 57.14 | 100 | 26 | Peak |
| 2092 | 33.19 | -20.81 | 54 | 51.3 | 31.99 | 6.47 | 56.57 | 100 | 75 | Average |
| 2092 | 61.85 | -12.15 | 74 | 79.96 | 31.99 | 6.47 | 56.57 | 100 | 75 | Peak |
| 2198 | 32.7 | -21.3 | 54 | 50.5 | 32.09 | 6.62 | 56.51 | 100 | 31 | Average |
| 2198 | 61.31 | -12.69 | 74 | 79.11 | 32.09 | 6.62 | 56.51 | 100 | 31 | Peak |
| 3498 | 32.79 | -21.21 | 54 | 49.91 | 32.7 | 7.3 | 57.12 | 100 | 35 | Average |
| 3498 | 56.35 | -17.65 | 74 | 73.47 | 32.7 | 7.3 | 57.12 | 100 | 35 | Peak |
| 4482 | 35.26 | -18.74 | 54 | 50.21 | 34.06 | 8.42 | 57.43 | 100 | 59 | Average |
| 4482 | 55.9 | -18.1 | 74 | 70.85 | 34.06 | 8.42 | 57.43 | 100 | 59 | Peak |
| 5576 | 99.46 | - | - | 87.32 | 35.24 | 9.92 | 33.02 | 128 | 170 | Average |
| 5576 | 110.58 | - | - | 98.44 | 35.24 | 9.92 | 33.02 | 128 | 170 | Peak |
| 11160 | 45.56 | -28.44 | 74 | 52.1 | 38.07 | 13.93 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 116 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5578 MHz is fundamental signal which can be ignored.<br>2. 1992 MHz, 2098 MHz, 2194 MHz, 3488 MHz, and 3594 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1992 | 31.83 | -22.17 | 54 | 50.42 | 31.76 | 6.27 | 56.62 | 100 | 116 | Average |
| 1992 | 59.16 | -14.84 | 74 | 77.75 | 31.76 | 6.27 | 56.62 | 100 | 116 | Peak |
| 2098 | 32.15 | -21.85 | 54 | 50.24 | 32 | 6.47 | 56.56 | 100 | 51 | Average |
| 2098 | 57.41 | -16.59 | 74 | 75.5 | 32 | 6.47 | 56.56 | 100 | 51 | Peak |
| 2194 | 34.91 | -19.09 | 54 | 52.71 | 32.09 | 6.62 | 56.51 | 100 | 28 | Average |
| 2194 | 64.12 | -9.88 | 74 | 81.92 | 32.09 | 6.62 | 56.51 | 100 | 28 | Peak |
| 3488 | 32.09 | -21.91 | 54 | 49.19 | 32.7 | 7.3 | 57.1 | 100 | 73 | Average |
| 3488 | 52.8 | -21.2 | 74 | 69.9 | 32.7 | 7.3 | 57.1 | 100 | 73 | Peak |
| 3594 | 32.79 | -21.21 | 54 | 49.87 | 32.74 | 7.39 | 57.21 | 100 | 48 | Average |
| 3594 | 54.81 | -19.19 | 74 | 71.89 | 32.74 | 7.39 | 57.21 | 100 | 48 | Peak |
| 5578 | 100.5 | - | - | 88.36 | 35.24 | 9.92 | 33.02 | 101 | 72 | Average |
| 5578 | 111.51 | - | - | 99.37 | 35.24 | 9.92 | 33.02 | 101 | 72 | Peak |
| 11160 | 45.24 | -28.76 | 74 | 51.78 | 38.07 | 13.93 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 140 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5702 MHz is fundamental signal which can be ignored.<br>2. 2092 MHz, 3488 MHz, and 4490 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1098 | 32.05 | -21.95 | 54 | 49.2 | 32.71 | 6.67 | 56.53 | 100 | 58 | Average |
| 1098 | 58.42 | -15.58 | 74 | 82.3 | 29.03 | 4.45 | 57.36 | 100 | 58 | Peak |
| 2092 | 32.5 | -21.5 | 54 | 50.61 | 31.99 | 6.47 | 56.57 | 100 | 219 | Average |
| 2092 | 60.81 | -13.19 | 74 | 78.92 | 31.99 | 6.47 | 56.57 | 100 | 219 | Peak |
| 2892 | 33.68 | -20.32 | 54 | 50.83 | 32.71 | 6.67 | 56.53 | 100 | 60 | Average |
| 2892 | 58.4 | -15.6 | 74 | 75.55 | 32.71 | 6.67 | 56.53 | 100 | 60 | Peak |
| 3488 | 33.05 | -20.95 | 54 | 50.15 | 32.7 | 7.3 | 57.1 | 100 | 167 | Average |
| 3488 | 57.58 | -16.42 | 74 | 74.68 | 32.7 | 7.3 | 57.1 | 100 | 167 | Peak |
| 4490 | 34.39 | -19.61 | 54 | 49.34 | 34.06 | 8.42 | 57.43 | 100 | 53 | Average |
| 4490 | 55.67 | -18.33 | 74 | 70.62 | 34.06 | 8.42 | 57.43 | 100 | 53 | Peak |
| 5702 | 99.63 | - | - | 87.51 | 35.32 | 10.02 | 33.22 | 116 | 171 | Average |
| 5702 | 110.43 | - | - | 98.31 | 35.32 | 10.02 | 33.22 | 116 | 171 | Peak |
| 11403 | 48.48 | -25.52 | 74 | 54.51 | 38.3 | 14.21 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11a | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 140 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5702 MHz is fundamental signal which can be ignored.<br>2. 1994 MHz, 2192 MHz, 3492 MHz, and 3596 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1098 | 25.88 | -28.12 | 54 | 49.76 | 29.03 | 4.45 | 57.36 | 100 | 30 | Average |
| 1098 | 60.24 | -13.76 | 74 | 84.12 | 29.03 | 4.45 | 57.36 | 100 | 30 | Peak |
| 1994 | 32.47 | -21.53 | 54 | 51.06 | 31.76 | 6.27 | 56.62 | 100 | 67 | Average |
| 1994 | 62.37 | -11.63 | 74 | 80.96 | 31.76 | 6.27 | 56.62 | 100 | 67 | Peak |
| 2192 | 34.2 | -19.8 | 54 | 52 | 32.09 | 6.62 | 56.51 | 100 | 126 | Average |
| 2192 | 63.26 | -10.74 | 74 | 81.06 | 32.09 | 6.62 | 56.51 | 100 | 126 | Peak |
| 3492 | 30.48 | -23.52 | 54 | 47.6 | 32.7 | 7.3 | 57.12 | 100 | 293 | Average |
| 3492 | 52.17 | -21.83 | 74 | 69.29 | 32.7 | 7.3 | 57.12 | 100 | 293 | Peak |
| 3596 | 31.01 | -22.99 | 54 | 48.09 | 32.74 | 7.39 | 57.21 | 100 | 89 | Average |
| 3596 | 54.2 | -19.8 | 74 | 71.28 | 32.74 | 7.39 | 57.21 | 100 | 89 | Peak |
| 5702 | 100.59 | - | - | 88.47 | 35.32 | 10.02 | 33.22 | 100 | 64 | Average |
| 5702 | 111.66 | - | - | 99.54 | 35.32 | 10.02 | 33.22 | 100 | 64 | Peak |
| 11400 | 47.69 | -26.31 | 74 | 53.72 | 38.3 | 14.21 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 36 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5176 MHz is fundamental signal which can be ignored.<br>2. 1992 MHz, 2094 MHz, 2198 MHz, 3484 MHz, 4488 MHz, and 10359 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1992 | 31.41 | -22.59 | 54 | 50 | 31.76 | 6.27 | 56.62 | 100 | 66 | Average |
| 1992 | 56.66 | -17.34 | 74 | 75.25 | 31.76 | 6.27 | 56.62 | 100 | 66 | Peak |
| 2094 | 33.05 | -20.95 | 54 | 51.16 | 31.99 | 6.47 | 56.57 | 100 | 120 | Average |
| 2094 | 61.2 | -12.8 | 74 | 79.31 | 31.99 | 6.47 | 56.57 | 100 | 120 | Peak |
| 2198 | 33.63 | -20.37 | 54 | 51.43 | 32.09 | 6.62 | 56.51 | 100 | 113 | Average |
| 2198 | 62.87 | -11.13 | 74 | 80.67 | 32.09 | 6.62 | 56.51 | 100 | 113 | Peak |
| 3484 | 32.42 | -21.58 | 54 | 49.52 | 32.7 | 7.3 | 57.1 | 100 | 34 | Average |
| 3484 | 55.66 | -18.34 | 74 | 72.76 | 32.7 | 7.3 | 57.1 | 100 | 34 | Peak |
| 4488 | 33.31 | -20.69 | 54 | 48.26 | 34.06 | 8.42 | 57.43 | 100 | 58 | Average |
| 4488 | 54.44 | -19.56 | 74 | 69.39 | 34.06 | 8.42 | 57.43 | 100 | 58 | Peak |
| 5176 | 96.89 | - | - | 86.21 | 34.38 | 9.27 | 32.97 | 108 | 159 | Average |
| 5176 | 108.02 | - | - | 97.34 | 34.38 | 9.27 | 32.97 | 108 | 159 | Peak |
| 10359 | 43.83 | -30.17 | 74 | 51.39 | 37.29 | 13.71 | 58.56 | 100 | 0 | Peak |

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11n HT20 | **Temperature :** | 22~23°C |
| **Test Channel :** | 36 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | **Polarization :** | Vertical |
| **Remark :** | 1. 5182 MHz is fundamental signal which can be ignored.<br>2. 2000 MHz, 2098 MHz, 2192 MHz, 3486 MHz, 3598 MHz, and 10359 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2000 | 33.05 | -20.95 | 54 | 51.45 | 31.9 | 6.32 | 56.62 | 100 | 194 | Average |
| 2000 | 59.06 | -14.94 | 74 | 77.46 | 31.9 | 6.32 | 56.62 | 100 | 194 | Peak |
| 2098 | 32.67 | -21.33 | 54 | 50.76 | 32 | 6.47 | 56.56 | 100 | 161 | Average |
| 2098 | 57.9 | -16.1 | 74 | 75.99 | 32 | 6.47 | 56.56 | 100 | 161 | Peak |
| 2192 | 35.14 | -18.86 | 54 | 52.94 | 32.09 | 6.62 | 56.51 | 100 | 69 | Average |
| 2192 | 63.69 | -10.31 | 74 | 81.49 | 32.09 | 6.62 | 56.51 | 100 | 69 | Peak |
| 3486 | 28.67 | -25.33 | 54 | 45.77 | 32.7 | 7.3 | 57.1 | 100 | 145 | Average |
| 3486 | 50.55 | -23.45 | 74 | 67.65 | 32.7 | 7.3 | 57.1 | 100 | 145 | Peak |
| 3598 | 30.53 | -23.47 | 54 | 47.61 | 32.74 | 7.39 | 57.21 | 100 | 95 | Average |
| 3598 | 54.5 | -19.5 | 74 | 71.58 | 32.74 | 7.39 | 57.21 | 100 | 95 | Peak |
| 5182 | 97.85 | - | - | 87.17 | 34.38 | 9.27 | 32.97 | 100 | 86 | Average |
| 5182 | 109.27 | - | - | 98.59 | 34.38 | 9.27 | 32.97 | 100 | 86 | Peak |
| 10359 | 44.83 | -29.17 | 74 | 52.39 | 37.29 | 13.71 | 58.56 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 44 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5224 MHz is fundamental signal which can be ignored.<br>2. 1998 MHz, 2092 MHz, 2194 MHz, 3486 MHz, 4486 MHz, and 10440 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1998 | 30.82 | -23.18 | 54 | 49.22 | 31.9 | 6.32 | 56.62 | 100 | 77 | Average |
| 1998 | 57.77 | -16.23 | 74 | 76.17 | 31.9 | 6.32 | 56.62 | 100 | 77 | Peak |
| 2092 | 34.03 | -19.97 | 54 | 52.14 | 31.99 | 6.47 | 56.57 | 100 | 33 | Average |
| 2092 | 63.72 | -10.28 | 74 | 81.83 | 31.99 | 6.47 | 56.57 | 100 | 33 | Peak |
| 2194 | 33.96 | -20.04 | 54 | 51.76 | 32.09 | 6.62 | 56.51 | 100 | 29 | Average |
| 2194 | 61.74 | -12.26 | 74 | 79.54 | 32.09 | 6.62 | 56.51 | 100 | 29 | Peak |
| 3486 | 33.03 | -20.97 | 54 | 50.13 | 32.7 | 7.3 | 57.1 | 100 | 55 | Average |
| 3486 | 58.15 | -15.85 | 74 | 75.25 | 32.7 | 7.3 | 57.1 | 100 | 55 | Peak |
| 4486 | 34.35 | -19.65 | 54 | 49.3 | 34.06 | 8.42 | 57.43 | 100 | 64 | Average |
| 4486 | 55.36 | -18.64 | 74 | 70.31 | 34.06 | 8.42 | 57.43 | 100 | 64 | Peak |
| 5224 | 96.68 | - | - | 85.83 | 34.46 | 9.35 | 32.96 | 107 | 158 | Average |
| 5224 | 108 | - | - | 97.15 | 34.46 | 9.35 | 32.96 | 107 | 158 | Peak |
| 10440 | 44.43 | -29.57 | 74 | 51.99 | 37.35 | 13.71 | 58.62 | 100 | 0 | Peak |

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11n HT20 | **Temperature :** | 22~23°C |
| **Test Channel :** | 44 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | **Polarization :** | Vertical |
| **Remark :** | 1. 5224 MHz is fundamental signal which can be ignored.<br>2. 1996 MHz, 2090 MHz, 2192 MHz, 3486 MHz, 3584 MHz, and 10440 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | 32.71 | -21.29 | 54 | 51.11 | 31.9 | 6.32 | 56.62 | 100 | 176 | Average |
| 1996 | 60.79 | -13.21 | 74 | 79.19 | 31.9 | 6.32 | 56.62 | 100 | 176 | Peak |
| 2090 | 31.67 | -22.33 | 54 | 49.82 | 31.99 | 6.43 | 56.57 | 100 | 125 | Average |
| 2090 | 57.75 | -16.25 | 74 | 75.9 | 31.99 | 6.43 | 56.57 | 100 | 125 | Peak |
| 2192 | 33.92 | -20.08 | 54 | 51.72 | 32.09 | 6.62 | 56.51 | 100 | 93 | Average |
| 2192 | 64.27 | -9.73 | 74 | 82.07 | 32.09 | 6.62 | 56.51 | 100 | 93 | Peak |
| 3486 | 32.18 | -21.82 | 54 | 49.28 | 32.7 | 7.3 | 57.1 | 100 | 187 | Average |
| 3486 | 56.13 | -17.87 | 74 | 73.23 | 32.7 | 7.3 | 57.1 | 100 | 187 | Peak |
| 3584 | 33.09 | -20.91 | 54 | 50.17 | 32.73 | 7.39 | 57.2 | 100 | 46 | Average |
| 3584 | 56.35 | -17.65 | 74 | 73.43 | 32.73 | 7.39 | 57.2 | 100 | 46 | Peak |
| 5224 | 97.85 | - | - | 87 | 34.46 | 9.35 | 32.96 | 117 | 81 | Average |
| 5224 | 109.16 | - | - | 98.31 | 34.46 | 9.35 | 32.96 | 117 | 81 | Peak |
| 10440 | 45.59 | -28.41 | 74 | 53.15 | 37.35 | 13.71 | 58.62 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 48 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5238 MHz is fundamental signal which can be ignored.<br>2. 1998 MHz, 2090 MHz, 3490 MHz, 4482 MHz, and 10479 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1998 | 32.24 | -21.76 | 54 | 50.64 | 31.9 | 6.32 | 56.62 | 100 | 146 | Average |
| 1998 | 61.46 | -12.54 | 74 | 79.86 | 31.9 | 6.32 | 56.62 | 100 | 146 | Peak |
| 2090 | 32.97 | -21.03 | 54 | 51.12 | 31.99 | 6.43 | 56.57 | 100 | 39 | Average |
| 2090 | 60.31 | -13.69 | 74 | 78.46 | 31.99 | 6.43 | 56.57 | 100 | 39 | Peak |
| 2896 | 33.89 | -20.11 | 54 | 51.04 | 32.72 | 6.67 | 56.54 | 100 | 44 | Average |
| 2896 | 61.1 | -12.9 | 74 | 78.25 | 32.72 | 6.67 | 56.54 | 100 | 44 | Peak |
| 3490 | 32.07 | -21.93 | 54 | 49.17 | 32.7 | 7.3 | 57.1 | 100 | 111 | Average |
| 3490 | 54.89 | -19.11 | 74 | 71.99 | 32.7 | 7.3 | 57.1 | 100 | 111 | Peak |
| 4482 | 35.11 | -18.89 | 54 | 50.06 | 34.06 | 8.42 | 57.43 | 100 | 74 | Average |
| 4482 | 56.82 | -17.18 | 74 | 71.77 | 34.06 | 8.42 | 57.43 | 100 | 74 | Peak |
| 5238 | 96.35 | - | - | 85.4 | 34.51 | 9.39 | 32.95 | 106 | 164 | Average |
| 5238 | 107.49 | - | - | 96.54 | 34.51 | 9.39 | 32.95 | 106 | 164 | Peak |
| 10479 | 45.75 | -28.25 | 74 | 53.3 | 37.39 | 13.72 | 58.66 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 48 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5242 MHz is fundamental signal which can be ignored.<br>2. 1998 MHz, 2096 MHz, 2196 MHz, 3490 MHz, 3598 MHz, and 10479 MHz is not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1998 | 33.03 | -20.97 | 54 | 51.43 | 31.9 | 6.32 | 56.62 | 100 | 231 | Average |
| 1998 | 61.69 | -12.31 | 74 | 80.09 | 31.9 | 6.32 | 56.62 | 100 | 231 | Peak |
| 2096 | 32.55 | -21.45 | 54 | 50.66 | 31.99 | 6.47 | 56.57 | 100 | 129 | Average |
| 2096 | 58.25 | -15.75 | 74 | 76.36 | 31.99 | 6.47 | 56.57 | 100 | 129 | Peak |
| 2196 | 34.33 | -19.67 | 54 | 52.13 | 32.09 | 6.62 | 56.51 | 100 | 104 | Average |
| 2196 | 63.76 | -10.24 | 74 | 81.56 | 32.09 | 6.62 | 56.51 | 100 | 104 | Peak |
| 3490 | 32.56 | -21.44 | 54 | 49.66 | 32.7 | 7.3 | 57.1 | 100 | 108 | Average |
| 3490 | 55.92 | -18.08 | 74 | 73.02 | 32.7 | 7.3 | 57.1 | 100 | 108 | Peak |
| 3598 | 31.22 | -22.78 | 54 | 48.3 | 32.74 | 7.39 | 57.21 | 100 | 97 | Average |
| 3598 | 54.93 | -19.07 | 74 | 72.01 | 32.74 | 7.39 | 57.21 | 100 | 97 | Peak |
| 5242 | 97.81 | - | - | 86.82 | 34.55 | 9.39 | 32.95 | 127 | 77 | Average |
| 5242 | 108.91 | - | - | 97.92 | 34.55 | 9.39 | 32.95 | 127 | 77 | Peak |
| 10479 | 45.08 | -28.92 | 74 | 52.63 | 37.39 | 13.72 | 58.66 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 52 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5262 MHz is fundamental signal which can be ignored.<br>2. 1994 MHz, 2092 MHz, 2194 MHz, 3486 MHz, 3596 MHz, and 10521 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1994 | 33.07 | -20.93 | 54 | 51.66 | 31.76 | 6.27 | 56.62 | 100 | 240 | Average |
| 1994 | 58.98 | -15.02 | 74 | 77.57 | 31.76 | 6.27 | 56.62 | 100 | 240 | Peak |
| 2092 | 30.13 | -23.87 | 54 | 48.24 | 31.99 | 6.47 | 56.57 | 100 | 220 | Average |
| 2092 | 63.69 | -10.31 | 74 | 81.8 | 31.99 | 6.47 | 56.57 | 100 | 220 | Peak |
| 2194 | 31.91 | -22.09 | 54 | 49.71 | 32.09 | 6.62 | 56.51 | 100 | 185 | Average |
| 2194 | 61.41 | -12.59 | 74 | 79.21 | 32.09 | 6.62 | 56.51 | 100 | 185 | Peak |
| 3486 | 29.43 | -24.57 | 54 | 46.53 | 32.7 | 7.3 | 57.1 | 100 | 42 | Average |
| 3486 | 57.71 | -16.29 | 74 | 74.81 | 32.7 | 7.3 | 57.1 | 100 | 42 | Peak |
| 3596 | 30.76 | -23.24 | 54 | 47.84 | 32.74 | 7.39 | 57.21 | 100 | 81 | Average |
| 3596 | 55.49 | -18.51 | 74 | 72.57 | 32.74 | 7.39 | 57.21 | 100 | 81 | Peak |
| 5262 | 95.63 | - | - | 84.55 | 34.59 | 9.44 | 32.95 | 106 | 186 | Average |
| 5262 | 107.12 | - | - | 96.04 | 34.59 | 9.44 | 32.95 | 106 | 186 | Peak |
| 10521 | 45.35 | -28.65 | 74 | 52.88 | 37.42 | 13.72 | 58.67 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 52 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5262 MHz is fundamental signal which can be ignored.<br>2. 1998 MHz, 2100 MHz, 2196 MHz, 3484 MHz, 3586 MHz, and 10521 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1998 | 28.35 | -25.65 | 54 | 46.75 | 31.9 | 6.32 | 56.62 | 100 | 59 | Average |
| 1998 | 61.07 | -12.93 | 74 | 79.47 | 31.9 | 6.32 | 56.62 | 100 | 59 | Peak |
| 2100 | 29.44 | -24.56 | 54 | 47.53 | 32 | 6.47 | 56.56 | 100 | 75 | Average |
| 2100 | 59.86 | -14.14 | 74 | 77.95 | 32 | 6.47 | 56.56 | 100 | 75 | Peak |
| 2196 | 31.96 | -22.04 | 54 | 49.76 | 32.09 | 6.62 | 56.51 | 100 | 127 | Average |
| 2196 | 64.13 | -9.87 | 74 | 81.93 | 32.09 | 6.62 | 56.51 | 100 | 127 | Peak |
| 3484 | 30.76 | -23.24 | 54 | 47.86 | 32.7 | 7.3 | 57.1 | 100 | 55 | Average |
| 3484 | 52.81 | -21.19 | 74 | 69.91 | 32.7 | 7.3 | 57.1 | 100 | 55 | Peak |
| 3586 | 32.44 | -21.56 | 54 | 49.52 | 32.73 | 7.39 | 57.2 | 100 | 109 | Average |
| 3586 | 55.62 | -18.38 | 74 | 72.7 | 32.73 | 7.39 | 57.2 | 100 | 109 | Peak |
| 5262 | 97.19 | - | - | 86.11 | 34.59 | 9.44 | 32.95 | 116 | 80 | Average |
| 5262 | 108.75 | - | - | 97.67 | 34.59 | 9.44 | 32.95 | 116 | 80 | Peak |
| 10521 | 45.18 | -28.82 | 74 | 52.71 | 37.42 | 13.72 | 58.67 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 60 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5304 MHz is fundamental signal which can be ignored.<br>2. 1990 MHz, 2096 MHz, 3494 MHz, 4492 MHz, and 10599 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1990 | 30.66 | -23.34 | 54 | 49.25 | 31.76 | 6.27 | 56.62 | 100 | 190 | Average |
| 1990 | 57.42 | -16.58 | 74 | 76.01 | 31.76 | 6.27 | 56.62 | 100 | 190 | Peak |
| 2096 | 32.13 | -21.87 | 54 | 50.24 | 31.99 | 6.47 | 56.57 | 100 | 165 | Average |
| 2096 | 59.84 | -14.16 | 74 | 77.95 | 31.99 | 6.47 | 56.57 | 100 | 165 | Peak |
| 2200 | 31.86 | -22.14 | 54 | 49.63 | 32.11 | 6.62 | 56.5 | 100 | 195 | Average |
| 2200 | 59.06 | -14.94 | 74 | 76.83 | 32.11 | 6.62 | 56.5 | 100 | 195 | Peak |
| 3494 | 36.88 | -17.12 | 54 | 54 | 32.7 | 7.3 | 57.12 | 100 | 52 | Average |
| 3494 | 54.95 | -19.05 | 74 | 72.07 | 32.7 | 7.3 | 57.12 | 100 | 52 | Peak |
| 4492 | 35.55 | -18.45 | 54 | 50.47 | 34.06 | 8.45 | 57.43 | 100 | 69 | Average |
| 4492 | 56.31 | -17.69 | 74 | 71.23 | 34.06 | 8.45 | 57.43 | 100 | 69 | Peak |
| 5304 | 97.01 | - | - | 85.79 | 34.68 | 9.48 | 32.94 | 106 | 182 | Average |
| 5304 | 108.39 | - | - | 97.17 | 34.68 | 9.48 | 32.94 | 106 | 182 | Peak |
| 10599 | 43.77 | -30.23 | 74 | 51.18 | 37.5 | 13.73 | 58.64 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 60 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5298 MHz is fundamental signal which can be ignored.<br>2. 2094 MHz, 2196 MHz, 3490 MHz, 3594 MHz, and 10599 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1096 | 22.88 | -31.12 | 54 | 46.76 | 29.03 | 4.45 | 57.36 | 100 | 39 | Average |
| 1096 | 58.54 | -15.46 | 74 | 82.42 | 29.03 | 4.45 | 57.36 | 100 | 39 | Peak |
| 2094 | 31.01 | -22.99 | 54 | 49.12 | 31.99 | 6.47 | 56.57 | 100 | 210 | Average |
| 2094 | 58.17 | -15.83 | 74 | 76.28 | 31.99 | 6.47 | 56.57 | 100 | 210 | Peak |
| 2196 | 30.45 | -23.55 | 54 | 48.25 | 32.09 | 6.62 | 56.51 | 100 | 235 | Average |
| 2196 | 63.09 | -10.91 | 74 | 80.89 | 32.09 | 6.62 | 56.51 | 100 | 235 | Peak |
| 3490 | 29.22 | -24.78 | 54 | 46.32 | 32.7 | 7.3 | 57.1 | 100 | 65 | Average |
| 3490 | 51.54 | -22.46 | 74 | 68.64 | 32.7 | 7.3 | 57.1 | 100 | 65 | Peak |
| 3594 | 31.13 | -22.87 | 54 | 48.21 | 32.74 | 7.39 | 57.21 | 100 | 33 | Average |
| 3594 | 54.52 | -19.48 | 74 | 71.6 | 32.74 | 7.39 | 57.21 | 100 | 33 | Peak |
| 5298 | 98.75 | - | - | 87.53 | 34.68 | 9.48 | 32.94 | 127 | 76 | Average |
| 5298 | 110.02 | - | - | 98.8 | 34.68 | 9.48 | 32.94 | 127 | 76 | Peak |
| 10599 | 44.65 | -29.35 | 74 | 52.06 | 37.5 | 13.73 | 58.64 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 64 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5322 MHz is fundamental signal which can be ignored.<br>2. 2096 MHz, 3484 MHz, and 4490 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2096 | 35.67 | -18.33 | 54 | 53.78 | 31.99 | 6.47 | 56.57 | 100 | 215 | Average |
| 2096 | 60.63 | -13.37 | 74 | 78.74 | 31.99 | 6.47 | 56.57 | 100 | 215 | Peak |
| 2200 | 32.97 | -21.03 | 54 | 50.74 | 32.11 | 6.62 | 56.5 | 100 | 168 | Average |
| 2200 | 60.51 | -13.49 | 74 | 78.28 | 32.11 | 6.62 | 56.5 | 100 | 168 | Peak |
| 2890 | 34.42 | -19.58 | 54 | 51.57 | 32.71 | 6.67 | 56.53 | 100 | 220 | Average |
| 2890 | 60.47 | -13.53 | 74 | 77.62 | 32.71 | 6.67 | 56.53 | 100 | 220 | Peak |
| 3484 | 32.15 | -21.85 | 54 | 49.25 | 32.7 | 7.3 | 57.1 | 100 | 112 | Average |
| 3484 | 57.17 | -16.83 | 74 | 74.27 | 32.7 | 7.3 | 57.1 | 100 | 112 | Peak |
| 4490 | 33.78 | -20.22 | 54 | 48.73 | 34.06 | 8.42 | 57.43 | 100 | 88 | Average |
| 4490 | 54.93 | -19.07 | 74 | 69.88 | 34.06 | 8.42 | 57.43 | 100 | 88 | Peak |
| 5322 | 97.8 | - | - | 86.5 | 34.72 | 9.52 | 32.94 | 104 | 189 | Average |
| 5322 | 108.91 | - | - | 97.61 | 34.72 | 9.52 | 32.94 | 104 | 189 | Peak |
| 10641 | 43.86 | -30.14 | 74 | 51.22 | 37.54 | 13.73 | 58.63 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 64 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5321 MHz is fundamental signal which can be ignored.<br>2. 1992 MHz, 2094 MHz, 2196 MHz, 3486 MHz, and 3584 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1992 | 29.09 | -24.91 | 54 | 47.68 | 31.76 | 6.27 | 56.62 | 100 | 92 | Average |
| 1992 | 60.98 | -13.02 | 74 | 79.57 | 31.76 | 6.27 | 56.62 | 100 | 92 | Peak |
| 2094 | 35.63 | -18.37 | 54 | 53.74 | 31.99 | 6.47 | 56.57 | 100 | 116 | Average |
| 2094 | 61.99 | -12.01 | 74 | 80.1 | 31.99 | 6.47 | 56.57 | 100 | 116 | Peak |
| 2196 | 30.87 | -23.13 | 54 | 48.67 | 32.09 | 6.62 | 56.51 | 100 | 85 | Average |
| 2196 | 63.58 | -10.42 | 74 | 81.38 | 32.09 | 6.62 | 56.51 | 100 | 85 | Peak |
| 3486 | 31.14 | -22.86 | 54 | 48.24 | 32.7 | 7.3 | 57.1 | 100 | 48 | Average |
| 3486 | 50.78 | -23.22 | 74 | 67.88 | 32.7 | 7.3 | 57.1 | 100 | 48 | Peak |
| 3584 | 32.49 | -21.51 | 54 | 49.57 | 32.73 | 7.39 | 57.2 | 100 | 57 | Average |
| 3584 | 55.13 | -18.87 | 74 | 72.21 | 32.73 | 7.39 | 57.2 | 100 | 57 | Peak |
| 5321 | 99.53 | - | - | 88.23 | 34.72 | 9.52 | 32.94 | 134 | 76 | Average |
| 5321 | 110.71 | - | - | 99.41 | 34.72 | 9.52 | 32.94 | 134 | 76 | Peak |
| 10641 | 44.42 | -29.58 | 74 | 51.78 | 37.54 | 13.73 | 58.63 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 100 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5501 MHz is fundamental signal which can be ignored.<br>2. 1996 MHz, 2094 MHz, 2194 MHz, 3486 MHz, and 4482 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | 30.74 | -23.26 | 54 | 49.14 | 31.9 | 6.32 | 56.62 | 100 | 114 | Average |
| 1996 | 63.96 | -10.04 | 74 | 82.36 | 31.9 | 6.32 | 56.62 | 100 | 114 | Peak |
| 2094 | 29.54 | -24.46 | 54 | 47.65 | 31.99 | 6.47 | 56.57 | 100 | 125 | Average |
| 2094 | 60.57 | -13.43 | 74 | 78.68 | 31.99 | 6.47 | 56.57 | 100 | 125 | Peak |
| 2194 | 35.44 | -18.56 | 54 | 53.24 | 32.09 | 6.62 | 56.51 | 100 | 198 | Average |
| 2194 | 60.27 | -13.73 | 74 | 78.07 | 32.09 | 6.62 | 56.51 | 100 | 198 | Peak |
| 3486 | 35.58 | -18.42 | 54 | 52.68 | 32.7 | 7.3 | 57.1 | 100 | 68 | Average |
| 3486 | 56.68 | -17.32 | 74 | 73.78 | 32.7 | 7.3 | 57.1 | 100 | 68 | Peak |
| 4482 | 38.03 | -15.97 | 54 | 52.98 | 34.06 | 8.42 | 57.43 | 100 | 85 | Average |
| 4482 | 56.96 | -17.04 | 74 | 71.91 | 34.06 | 8.42 | 57.43 | 100 | 85 | Peak |
| 5501 | 98.04 | - | - | 85.88 | 35.2 | 9.86 | 32.9 | 150 | 162 | Average |
| 5501 | 109.04 | - | - | 96.88 | 35.2 | 9.86 | 32.9 | 150 | 162 | Peak |
| 11001 | 44.54 | -29.46 | 74 | 51.42 | 37.9 | 13.76 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 100 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5500 MHz is fundamental signal which can be ignored.<br>2. 1992 MHz, 2100 MHz, 2198 MHz, 3490 MHz, 3598 MHz, and 4496 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1992 | 36.26 | -17.74 | 54 | 54.85 | 31.76 | 6.27 | 56.62 | 100 | 221 | Average |
| 1992 | 60.94 | -13.06 | 74 | 79.53 | 31.76 | 6.27 | 56.62 | 100 | 221 | Peak |
| 2100 | 34.59 | -19.41 | 54 | 52.68 | 32 | 6.47 | 56.56 | 100 | 195 | Average |
| 2100 | 59.06 | -14.94 | 74 | 77.15 | 32 | 6.47 | 56.56 | 100 | 195 | Peak |
| 2198 | 36.07 | -17.93 | 54 | 53.87 | 32.09 | 6.62 | 56.51 | 100 | 203 | Average |
| 2198 | 63.75 | -10.25 | 74 | 81.55 | 32.09 | 6.62 | 56.51 | 100 | 203 | Peak |
| 3490 | 32.16 | -21.84 | 54 | 49.26 | 32.7 | 7.3 | 57.1 | 100 | 52 | Average |
| 3490 | 52 | -22 | 74 | 69.1 | 32.7 | 7.3 | 57.1 | 100 | 52 | Peak |
| 3598 | 33.37 | -20.63 | 54 | 50.45 | 32.74 | 7.39 | 57.21 | 100 | 78 | Average |
| 3598 | 54.49 | -19.51 | 74 | 71.57 | 32.74 | 7.39 | 57.21 | 100 | 78 | Peak |
| 4496 | 36.44 | -17.56 | 54 | 51.32 | 34.1 | 8.45 | 57.43 | 100 | 102 | Average |
| 4496 | 51.28 | -22.72 | 74 | 66.16 | 34.1 | 8.45 | 57.43 | 100 | 102 | Peak |
| 5500 | 98.72 | - | - | 86.56 | 35.2 | 9.86 | 32.9 | 101 | 74 | Average |
| 5500 | 110.23 | - | - | 98.07 | 35.2 | 9.86 | 32.9 | 101 | 74 | Peak |
| 11001 | 45.36 | -28.64 | 74 | 52.24 | 37.9 | 13.76 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 116 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5579 MHz is fundamental signal which can be ignored.<br>2. 2092 MHz, 2194 MHz, 3486 MHz, and 4486 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2092 | 33.36 | -20.64 | 54 | 51.47 | 31.99 | 6.47 | 56.57 | 100 | 185 | Average |
| 2092 | 60.37 | -13.63 | 74 | 78.48 | 31.99 | 6.47 | 56.57 | 100 | 185 | Peak |
| 2194 | 31.42 | -22.58 | 54 | 49.22 | 32.09 | 6.62 | 56.51 | 100 | 192 | Average |
| 2194 | 60.69 | -13.31 | 74 | 78.49 | 32.09 | 6.62 | 56.51 | 100 | 192 | Peak |
| 2890 | 29.9 | -24.1 | 54 | 47.05 | 32.71 | 6.67 | 56.53 | 100 | 224 | Average |
| 2890 | 58.43 | -15.57 | 74 | 75.58 | 32.71 | 6.67 | 56.53 | 100 | 224 | Peak |
| 3486 | 32.44 | -21.56 | 54 | 49.54 | 32.7 | 7.3 | 57.1 | 100 | 107 | Average |
| 3486 | 55.79 | -18.21 | 74 | 72.89 | 32.7 | 7.3 | 57.1 | 100 | 107 | Peak |
| 4486 | 35.78 | -18.22 | 54 | 50.73 | 34.06 | 8.42 | 57.43 | 100 | 156 | Average |
| 4486 | 56.71 | -17.29 | 74 | 71.66 | 34.06 | 8.42 | 57.43 | 100 | 156 | Peak |
| 5579 | 98.81 | - | - | 86.67 | 35.24 | 9.92 | 33.02 | 108 | 172 | Average |
| 5579 | 109.93 | - | - | 97.79 | 35.24 | 9.92 | 33.02 | 108 | 172 | Peak |
| 11163 | 46.31 | -27.69 | 74 | 52.85 | 38.07 | 13.93 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 116 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5581 MHz is fundamental signal which can be ignored.<br>2. 1992 MHz, 2090 MHz, 2194 MHz, 3484 MHz, and 3598 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1992 | 35.09 | -18.91 | 54 | 53.68 | 31.76 | 6.27 | 56.62 | 100 | 85 | Average |
| 1992 | 60.21 | -13.79 | 74 | 78.8 | 31.76 | 6.27 | 56.62 | 100 | 85 | Peak |
| 2090 | 34.59 | -19.41 | 54 | 52.74 | 31.99 | 6.43 | 56.57 | 100 | 106 | Average |
| 2090 | 56.94 | -17.06 | 74 | 75.09 | 31.99 | 6.43 | 56.57 | 100 | 106 | Peak |
| 2194 | 38.31 | -15.69 | 54 | 56.11 | 32.09 | 6.62 | 56.51 | 100 | 108 | Average |
| 2194 | 63.73 | -10.27 | 74 | 81.53 | 32.09 | 6.62 | 56.51 | 100 | 108 | Peak |
| 3484 | 32.55 | -21.45 | 54 | 49.65 | 32.7 | 7.3 | 57.1 | 100 | 55 | Average |
| 3484 | 52.19 | -21.81 | 74 | 69.29 | 32.7 | 7.3 | 57.1 | 100 | 55 | Peak |
| 3598 | 34.16 | -19.84 | 54 | 51.24 | 32.74 | 7.39 | 57.21 | 100 | 63 | Average |
| 3598 | 51.72 | -22.28 | 74 | 68.8 | 32.74 | 7.39 | 57.21 | 100 | 63 | Peak |
| 5581 | 100.57 | - | - | 88.43 | 35.24 | 9.92 | 33.02 | 101 | 73 | Average |
| 5581 | 111.92 | - | - | 99.78 | 35.24 | 9.92 | 33.02 | 101 | 73 | Peak |
| 11158 | 46.73 | -27.27 | 74 | 53.27 | 38.07 | 13.93 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 140 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5700 MHz is fundamental signal which can be ignored.<br>2. 1998 MHz, 2096 MHz, 2192 MHz, 3486 MHz, and 4498 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1998 | 32.96 | -21.04 | 54 | 51.36 | 31.9 | 6.32 | 56.62 | 100 | 142 | Average |
| 1998 | 58.22 | -15.78 | 74 | 76.62 | 31.9 | 6.32 | 56.62 | 100 | 142 | Peak |
| 2096 | 36.24 | -17.76 | 54 | 54.35 | 31.99 | 6.47 | 56.57 | 100 | 215 | Average |
| 2096 | 59.51 | -14.49 | 74 | 77.62 | 31.99 | 6.47 | 56.57 | 100 | 215 | Peak |
| 2192 | 35.97 | -18.03 | 54 | 53.77 | 32.09 | 6.62 | 56.51 | 100 | 219 | Average |
| 2192 | 62.21 | -11.79 | 74 | 80.01 | 32.09 | 6.62 | 56.51 | 100 | 219 | Peak |
| 3486 | 33.13 | -20.87 | 54 | 50.23 | 32.7 | 7.3 | 57.1 | 100 | 185 | Average |
| 3486 | 56.57 | -17.43 | 74 | 73.67 | 32.7 | 7.3 | 57.1 | 100 | 185 | Peak |
| 4498 | 36.98 | -17.02 | 54 | 51.86 | 34.1 | 8.45 | 57.43 | 100 | 193 | Average |
| 4498 | 55.25 | -18.75 | 74 | 70.13 | 34.1 | 8.45 | 57.43 | 100 | 193 | Peak |
| 5700 | 97.26 | - | - | 85.15 | 35.31 | 10.02 | 33.22 | 108 | 179 | Average |
| 5700 | 108.07 | - | - | 95.96 | 35.31 | 10.02 | 33.22 | 108 | 179 | Peak |
| 11400 | 45.49 | -28.51 | 74 | 51.52 | 38.3 | 14.21 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 140 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5699 MHz is fundamental signal which can be ignored.<br>2. 1994 MHz, 2092 MHz, 2198 MHz, 3492 MHz, and 3596 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1994 | 35.77 | -18.23 | 54 | 54.36 | 31.76 | 6.27 | 56.62 | 100 | 95 | Average |
| 1994 | 59.49 | -14.51 | 74 | 78.08 | 31.76 | 6.27 | 56.62 | 100 | 95 | Peak |
| 2092 | 33.36 | -20.64 | 54 | 51.47 | 31.99 | 6.47 | 56.57 | 100 | 106 | Average |
| 2092 | 58.41 | -15.59 | 74 | 76.52 | 31.99 | 6.47 | 56.57 | 100 | 106 | Peak |
| 2198 | 31.86 | -22.14 | 54 | 49.66 | 32.09 | 6.62 | 56.51 | 100 | 125 | Average |
| 2198 | 62.44 | -11.56 | 74 | 80.24 | 32.09 | 6.62 | 56.51 | 100 | 125 | Peak |
| 3492 | 34.35 | -19.65 | 54 | 51.47 | 32.7 | 7.3 | 57.12 | 100 | 52 | Average |
| 3492 | 51.92 | -22.08 | 74 | 69.04 | 32.7 | 7.3 | 57.12 | 100 | 52 | Peak |
| 3596 | 32.14 | -21.86 | 54 | 49.22 | 32.74 | 7.39 | 57.21 | 100 | 74 | Average |
| 3596 | 52.33 | -21.67 | 74 | 69.41 | 32.74 | 7.39 | 57.21 | 100 | 74 | Peak |
| 5699 | 98.8 | - | - | 86.69 | 35.31 | 10.02 | 33.22 | 100 | 65 | Average |
| 5699 | 109.9 | - | - | 97.79 | 35.31 | 10.02 | 33.22 | 100 | 65 | Peak |
| 11400 | 44.64 | -29.36 | 74 | 50.67 | 38.3 | 14.21 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 38 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5189 MHz is fundamental signal which can be ignored.<br>2. 2092 MHz, 2198 MHz, 3488 MHz, 4498 MHz, and 10380 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2092 | 39.36 | -14.64 | 54 | 57.47 | 31.99 | 6.47 | 56.57 | 101 | 214 | Average |
| 2092 | 62.8 | -11.2 | 74 | 80.91 | 31.99 | 6.47 | 56.57 | 101 | 214 | Peak |
| 2198 | 37.44 | -16.56 | 54 | 55.24 | 32.09 | 6.62 | 56.51 | 102 | 185 | Average |
| 2198 | 60.03 | -13.97 | 74 | 77.83 | 32.09 | 6.62 | 56.51 | 102 | 185 | Peak |
| 2792 | 39.79 | -14.21 | 54 | 56.87 | 32.63 | 6.76 | 56.47 | 100 | 240 | Average |
| 2792 | 58.63 | -15.37 | 74 | 75.71 | 32.63 | 6.76 | 56.47 | 100 | 240 | Peak |
| 3488 | 34.47 | -19.53 | 54 | 51.57 | 32.7 | 7.3 | 57.1 | 100 | 140 | Average |
| 3488 | 55.17 | -18.83 | 74 | 72.27 | 32.7 | 7.3 | 57.1 | 100 | 140 | Peak |
| 4498 | 34.36 | -19.64 | 54 | 49.24 | 34.1 | 8.45 | 57.43 | 100 | 214 | Average |
| 4498 | 56.04 | -17.96 | 74 | 70.92 | 34.1 | 8.45 | 57.43 | 100 | 214 | Peak |
| 5189 | 92.89 | - | - | 82.16 | 34.38 | 9.31 | 32.96 | 118 | 187 | Average |
| 5189 | 102.63 | - | - | 91.9 | 34.38 | 9.31 | 32.96 | 118 | 187 | Peak |
| 10380 | 43.9 | -30.1 | 74 | 51.45 | 37.31 | 13.71 | 58.57 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 38 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5191 MHz is fundamental signal which can be ignored.<br>2. 1994 MHz, 2096 MHz, 2198 MHz, 3486 MHz, 3594 MHz, and 10380 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1994 | 30.56 | -23.44 | 54 | 49.15 | 31.76 | 6.27 | 56.62 | 100 | 140 | Average |
| 1994 | 60.92 | -13.08 | 74 | 79.51 | 31.76 | 6.27 | 56.62 | 100 | 140 | Peak |
| 2096 | 32.27 | -21.73 | 54 | 50.38 | 31.99 | 6.47 | 56.57 | 102 | 74 | Average |
| 2096 | 59.25 | -14.75 | 74 | 77.36 | 31.99 | 6.47 | 56.57 | 102 | 74 | Peak |
| 2198 | 29.31 | -24.69 | 54 | 47.11 | 32.09 | 6.62 | 56.51 | 100 | 110 | Average |
| 2198 | 62.37 | -11.63 | 74 | 80.17 | 32.09 | 6.62 | 56.51 | 100 | 110 | Peak |
| 3486 | 32.43 | -21.57 | 54 | 49.53 | 32.7 | 7.3 | 57.1 | 101 | 58 | Average |
| 3486 | 51.92 | -22.08 | 74 | 69.02 | 32.7 | 7.3 | 57.1 | 101 | 58 | Peak |
| 3594 | 31.28 | -22.72 | 54 | 48.36 | 32.74 | 7.39 | 57.21 | 101 | 62 | Average |
| 3594 | 54.2 | -19.8 | 74 | 71.28 | 32.74 | 7.39 | 57.21 | 101 | 62 | Peak |
| 5191 | 93.29 | - | - | 82.52 | 34.42 | 9.31 | 32.96 | 100 | 85 | Average |
| 5191 | 103.14 | - | - | 92.37 | 34.42 | 9.31 | 32.96 | 100 | 85 | Peak |
| 10380 | 44.76 | -29.24 | 74 | 52.31 | 37.31 | 13.71 | 58.57 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 46 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5232 MHz is fundamental signal which can be ignored.<br>2. 2096 MHz, 2194 MHz, 3498 MHz, 4496 MHz, and 10461 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1196 | 30.03 | -23.97 | 54 | 53.87 | 28.66 | 4.64 | 57.14 | 105 | 157 | Average |
| 1196 | 58.55 | -15.45 | 74 | 82.39 | 28.66 | 4.64 | 57.14 | 105 | 157 | Peak |
| 2096 | 38.03 | -15.97 | 54 | 56.14 | 31.99 | 6.47 | 56.57 | 100 | 114 | Average |
| 2096 | 60.2 | -13.8 | 74 | 78.31 | 31.99 | 6.47 | 56.57 | 100 | 114 | Peak |
| 2194 | 36.65 | -17.35 | 54 | 54.45 | 32.09 | 6.62 | 56.51 | 101 | 116 | Average |
| 2194 | 60.15 | -13.85 | 74 | 77.95 | 32.09 | 6.62 | 56.51 | 101 | 116 | Peak |
| 3498 | 39 | -15 | 54 | 56.12 | 32.7 | 7.3 | 57.12 | 103 | 100 | Average |
| 3498 | 54.6 | -19.4 | 74 | 71.72 | 32.7 | 7.3 | 57.12 | 103 | 100 | Peak |
| 4496 | 42.57 | -11.43 | 54 | 57.45 | 34.1 | 8.45 | 57.43 | 100 | 150 | Average |
| 4496 | 54.95 | -19.05 | 74 | 69.83 | 34.1 | 8.45 | 57.43 | 100 | 150 | Peak |
| 5232 | 95.38 | - | - | 84.48 | 34.51 | 9.35 | 32.96 | 108 | 188 | Average |
| 5232 | 104.81 | - | - | 93.91 | 34.51 | 9.35 | 32.96 | 108 | 188 | Peak |
| 10461 | 45.61 | -28.39 | 74 | 53.16 | 37.37 | 13.72 | 58.64 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 46 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5231 MHz is fundamental signal which can be ignored.<br>2. 1998 MHz, 2098 MHz, 2198 MHz, 3490 MHz, 3584 MHz, and 10461 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1998 | 38.34 | -15.66 | 54 | 56.74 | 31.9 | 6.32 | 56.62 | 105 | 78 | Average |
| 1998 | 59.35 | -14.65 | 74 | 77.75 | 31.9 | 6.32 | 56.62 | 105 | 78 | Peak |
| 2098 | 40.12 | -13.88 | 54 | 58.21 | 32 | 6.47 | 56.56 | 100 | 98 | Average |
| 2098 | 58.67 | -15.33 | 74 | 76.76 | 32 | 6.47 | 56.56 | 100 | 98 | Peak |
| 2198 | 37.46 | -16.54 | 54 | 55.26 | 32.09 | 6.62 | 56.51 | 103 | 119 | Average |
| 2198 | 64.83 | -9.17 | 74 | 82.63 | 32.09 | 6.62 | 56.51 | 103 | 119 | Peak |
| 3490 | 36.37 | -17.63 | 54 | 53.47 | 32.7 | 7.3 | 57.1 | 102 | 105 | Average |
| 3490 | 52.28 | -21.72 | 74 | 69.38 | 32.7 | 7.3 | 57.1 | 102 | 105 | Peak |
| 3584 | 37.7 | -16.3 | 54 | 54.78 | 32.73 | 7.39 | 57.2 | 100 | 63 | Average |
| 3584 | 55.41 | -18.59 | 74 | 72.49 | 32.73 | 7.39 | 57.2 | 100 | 63 | Peak |
| 5231 | 96.68 | - | - | 85.78 | 34.51 | 9.35 | 32.96 | 127 | 71 | Average |
| 5231 | 106.39 | - | - | 95.49 | 34.51 | 9.35 | 32.96 | 127 | 71 | Peak |
| 10461 | 45.07 | -28.93 | 74 | 52.62 | 37.37 | 13.72 | 58.64 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 54 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5271 MHz is fundamental signal which can be ignored.<br>2. 1994 MHz, 2094 MHz, 2194 MHz, 3488 MHz, 4482 MHz, and 10539 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1994 | 34.19 | -19.81 | 54 | 52.78 | 31.76 | 6.27 | 56.62 | 104 | 208 | Average |
| 1994 | 57.57 | -16.43 | 74 | 76.16 | 31.76 | 6.27 | 56.62 | 104 | 208 | Peak |
| 2094 | 35.16 | -18.84 | 54 | 53.27 | 31.99 | 6.47 | 56.57 | 100 | 154 | Average |
| 2094 | 60.38 | -13.62 | 74 | 78.49 | 31.99 | 6.47 | 56.57 | 100 | 154 | Peak |
| 2194 | 35.94 | -18.06 | 54 | 53.74 | 32.09 | 6.62 | 56.51 | 102 | 213 | Average |
| 2194 | 59.81 | -14.19 | 74 | 77.61 | 32.09 | 6.62 | 56.51 | 102 | 213 | Peak |
| 3488 | 34.17 | -19.83 | 54 | 51.27 | 32.7 | 7.3 | 57.1 | 101 | 163 | Average |
| 3488 | 55 | -19 | 74 | 72.1 | 32.7 | 7.3 | 57.1 | 101 | 163 | Peak |
| 4482 | 37.51 | -16.49 | 54 | 52.46 | 34.06 | 8.42 | 57.43 | 100 | 112 | Average |
| 4482 | 55.09 | -18.91 | 74 | 70.04 | 34.06 | 8.42 | 57.43 | 100 | 112 | Peak |
| 5271 | 95.18 | - | - | 84.1 | 34.59 | 9.44 | 32.95 | 116 | 186 | Average |
| 5271 | 104.62 | - | - | 93.54 | 34.59 | 9.44 | 32.95 | 116 | 186 | Peak |
| 10539 | 44.24 | -29.76 | 74 | 51.75 | 37.43 | 13.72 | 58.66 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 54 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5269 MHz is fundamental signal which can be ignored.<br>2. 1996 MHz, 2092 MHz, 2198 MHz, 3588 MHz, and 10539 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | 32.38 | -21.62 | 54 | 50.78 | 31.9 | 6.32 | 56.62 | 100 | 84 | Average |
| 1996 | 61.39 | -12.61 | 74 | 79.79 | 31.9 | 6.32 | 56.62 | 100 | 84 | Peak |
| 2092 | 34.36 | -19.64 | 54 | 52.47 | 31.99 | 6.47 | 56.57 | 102 | 57 | Average |
| 2092 | 58.72 | -15.28 | 74 | 76.83 | 31.99 | 6.47 | 56.57 | 102 | 57 | Peak |
| 2198 | 32.61 | -21.39 | 54 | 50.41 | 32.09 | 6.62 | 56.51 | 100 | 67 | Average |
| 2198 | 63.39 | -10.61 | 74 | 81.19 | 32.09 | 6.62 | 56.51 | 100 | 67 | Peak |
| 3588 | 40.18 | -13.82 | 54 | 57.26 | 32.73 | 7.39 | 57.2 | 102 | 95 | Average |
| 3588 | 55.85 | -18.15 | 74 | 72.93 | 32.73 | 7.39 | 57.2 | 105 | 95 | Peak |
| 3692 | 33.17 | -20.83 | 54 | 50.2 | 32.78 | 7.48 | 57.29 | 101 | 113 | Average |
| 3692 | 51.67 | -22.33 | 74 | 68.7 | 32.78 | 7.48 | 57.29 | 101 | 113 | Peak |
| 5269 | 96.44 | - | - | 85.36 | 34.59 | 9.44 | 32.95 | 116 | 81 | Average |
| 5269 | 106.37 | - | - | 95.29 | 34.59 | 9.44 | 32.95 | 116 | 81 | Peak |
| 10539 | 43.96 | -30.04 | 74 | 51.47 | 37.43 | 13.72 | 58.66 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 62 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5312 MHz is fundamental signal which can be ignored.<br>2. 1992 MHz, 2092 MHz, 2192 MHz, 3486 MHz, and 4484 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1992 | 33.04 | -20.96 | 54 | 51.63 | 31.76 | 6.27 | 56.62 | 102 | 117 | Average |
| 1992 | 58.4 | -15.6 | 74 | 76.99 | 31.76 | 6.27 | 56.62 | 102 | 117 | Peak |
| 2092 | 35.36 | -18.64 | 54 | 53.47 | 31.99 | 6.47 | 56.57 | 103 | 152 | Average |
| 2092 | 61.47 | -12.53 | 74 | 79.58 | 31.99 | 6.47 | 56.57 | 103 | 152 | Peak |
| 2192 | 38.94 | -15.06 | 54 | 56.74 | 32.09 | 6.62 | 56.51 | 101 | 168 | Average |
| 2192 | 58.83 | -15.17 | 74 | 76.63 | 32.09 | 6.62 | 56.51 | 101 | 168 | Peak |
| 3486 | 35.37 | -18.63 | 54 | 52.47 | 32.7 | 7.3 | 57.1 | 100 | 152 | Average |
| 3486 | 54.9 | -19.1 | 74 | 72 | 32.7 | 7.3 | 57.1 | 100 | 152 | Peak |
| 4484 | 38.82 | -15.18 | 54 | 53.77 | 34.06 | 8.42 | 57.43 | 102 | 176 | Average |
| 4484 | 54.15 | -19.85 | 74 | 69.1 | 34.06 | 8.42 | 57.43 | 102 | 176 | Peak |
| 5312 | 91.38 | - | - | 80.08 | 34.72 | 9.52 | 32.94 | 105 | 186 | Average |
| 5312 | 101.12 | - | - | 89.82 | 34.72 | 9.52 | 32.94 | 105 | 186 | Peak |
| 10620 | 44.04 | -29.96 | 74 | 51.43 | 37.52 | 13.73 | 58.64 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 62 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5310 MHz is fundamental signal which can be ignored.<br>2. 2000 MHz, 2092 MHz, 2192 MHz, 3486 MHz, and 3598 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2000 | 28.85 | -25.15 | 54 | 47.25 | 31.9 | 6.32 | 56.62 | 101 | 61 | Average |
| 2000 | 60.87 | -13.13 | 74 | 79.27 | 31.9 | 6.32 | 56.62 | 101 | 61 | Peak |
| 2092 | 30.04 | -23.96 | 54 | 48.15 | 31.99 | 6.47 | 56.57 | 103 | 75 | Average |
| 2092 | 57.96 | -16.04 | 74 | 76.07 | 31.99 | 6.47 | 56.57 | 103 | 75 | Peak |
| 2192 | 33.07 | -20.93 | 54 | 50.87 | 32.09 | 6.62 | 56.51 | 100 | 106 | Average |
| 2192 | 64.33 | -9.67 | 74 | 82.13 | 32.09 | 6.62 | 56.51 | 100 | 106 | Peak |
| 3486 | 31.16 | -22.84 | 54 | 48.26 | 32.7 | 7.3 | 57.1 | 104 | 50 | Average |
| 3486 | 52.61 | -21.39 | 74 | 69.71 | 32.7 | 7.3 | 57.1 | 104 | 50 | Peak |
| 3598 | 32.54 | -21.46 | 54 | 49.62 | 32.74 | 7.39 | 57.21 | 102 | 48 | Average |
| 3598 | 53.59 | -20.41 | 74 | 70.67 | 32.74 | 7.39 | 57.21 | 102 | 48 | Peak |
| 5310 | 92.98 | - | - | 81.68 | 34.72 | 9.52 | 32.94 | 114 | 80 | Average |
| 5310 | 102.57 | - | - | 91.27 | 34.72 | 9.52 | 32.94 | 114 | 80 | Peak |
| 10620 | 44.33 | -29.67 | 74 | 51.72 | 37.52 | 13.73 | 58.64 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 102 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5510 MHz is fundamental signal which can be ignored.<br>2. 1990 MHz, 2098 MHz, 2198 MHz, 3488 MHz, and 4498 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 35.67 | 34.77 | -5.23 | 40 | 50.22 | 15.82 | 0.59 | 31.86 | - | - | Peak |
| 41.88 | 35.18 | -4.82 | 40 | 54.01 | 12.3 | 0.63 | 31.76 | - | - | Peak |
| 51.06 | 36.54 | -3.46 | 40 | 59.56 | 7.9 | 0.71 | 31.63 | 102 | 119 | Peak |
| 398.7 | 35.26 | -10.74 | 46 | 48.66 | 15.97 | 2.14 | 31.51 | - | - | Peak |
| 498.1 | 39.25 | -6.75 | 46 | 49.65 | 18.06 | 2.44 | 30.9 | - | - | Peak |
| 597.5 | 31.48 | -14.52 | 46 | 39.63 | 19.75 | 2.68 | 30.58 | - | - | Peak |
| 1990 | 37.95 | -16.05 | 54 | 56.54 | 31.76 | 6.27 | 56.62 | 102 | 178 | Average |
| 1990 | 55.19 | -18.81 | 74 | 73.78 | 31.76 | 6.27 | 56.62 | 102 | 178 | Peak |
| 2098 | 34.38 | -19.62 | 54 | 52.47 | 32 | 6.47 | 56.56 | 101 | 217 | Average |
| 2098 | 60.12 | -13.88 | 74 | 78.21 | 32 | 6.47 | 56.56 | 101 | 217 | Peak |
| 2198 | 35.69 | -18.31 | 54 | 53.49 | 32.09 | 6.62 | 56.51 | 104 | 135 | Average |
| 2198 | 60.11 | -13.89 | 74 | 77.91 | 32.09 | 6.62 | 56.51 | 104 | 135 | Peak |
| 3488 | 42.77 | -11.23 | 54 | 59.87 | 32.7 | 7.3 | 57.1 | 102 | 194 | Average |
| 3488 | 56.96 | -17.04 | 74 | 74.06 | 32.7 | 7.3 | 57.1 | 102 | 194 | Peak |
| 4498 | 34.7 | -19.3 | 54 | 49.58 | 34.1 | 8.45 | 57.43 | 101 | 154 | Average |
| 4498 | 55.79 | -18.21 | 74 | 70.67 | 34.1 | 8.45 | 57.43 | 101 | 154 | Peak |
| 5510 | 93.52 | - | - | 81.36 | 35.2 | 9.86 | 32.9 | 129 | 172 | Average |
| 5510 | 102.79 | - | - | 90.63 | 35.2 | 9.86 | 32.9 | 129 | 172 | Peak |
| 11019 | 44.33 | -29.67 | 74 | 51.19 | 37.92 | 13.76 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 102 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5508 MHz is fundamental signal which can be ignored.<br>2. 1990 MHz, 2096 MHz, 2198 MHz, 3490 MHz, and 3594 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 42.96 | 43.72 | 3.72 | 40 | 63.13 | 11.7 | 0.64 | 31.75 | 100 | 221 | Peak |
| 42.96 | 38.11 | -1.89 | 40 | 57.52 | 11.7 | 0.64 | 31.75 | 100 | 221 | QP |
| 170.67 | 25.77 | -17.73 | 43.5 | 46.34 | 9.47 | 1.23 | 31.27 | - | - | Peak |
| 215.22 | 30.6 | -12.9 | 43.5 | 50.35 | 10.18 | 1.39 | 31.32 | - | - | Peak |
| 398 | 29.1 | -16.9 | 46 | 42.51 | 15.95 | 2.14 | 31.5 | - | - | Peak |
| 497.4 | 33.76 | -12.24 | 46 | 44.18 | 18.04 | 2.44 | 30.9 | - | - | Peak |
| 598.2 | 30.89 | -15.11 | 46 | 39.01 | 19.77 | 2.68 | 30.57 | - | - | Peak |
| 1990 | 32.88 | -21.12 | 54 | 51.47 | 31.76 | 6.27 | 56.62 | 100 | 105 | Average |
| 1990 | 57.91 | -16.09 | 74 | 76.5 | 31.76 | 6.27 | 56.62 | 100 | 105 | Peak |
| 2096 | 40.46 | -13.54 | 54 | 58.57 | 31.99 | 6.47 | 56.57 | 106 | 95 | Average |
| 2096 | 59 | -15 | 74 | 77.11 | 31.99 | 6.47 | 56.57 | 106 | 95 | Peak |
| 2198 | 34.87 | -19.13 | 54 | 52.67 | 32.09 | 6.62 | 56.51 | 101 | 107 | Average |
| 2198 | 63.77 | -10.23 | 74 | 81.57 | 32.09 | 6.62 | 56.51 | 101 | 107 | Peak |
| 3490 | 33.14 | -20.86 | 54 | 50.24 | 32.7 | 7.3 | 57.1 | 100 | 69 | Average |
| 3490 | 52.86 | -21.14 | 74 | 69.96 | 32.7 | 7.3 | 57.1 | 100 | 69 | Peak |
| 3594 | 31.48 | -22.52 | 54 | 48.56 | 32.74 | 7.39 | 57.21 | 102 | 82 | Average |
| 3594 | 55.51 | -18.49 | 74 | 72.59 | 32.74 | 7.39 | 57.21 | 102 | 82 | Peak |
| 5508 | 94.33 | - | - | 82.17 | 35.2 | 9.86 | 32.9 | 121 | 73 | Average |
| 5508 | 104.5 | - | - | 92.34 | 35.2 | 9.86 | 32.9 | 121 | 73 | Peak |
| 11022 | 45.73 | -28.27 | 74 | 52.55 | 37.93 | 13.79 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 110 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5549 MHz is fundamental signal which can be ignored.<br>2. 2096 MHz, 2194 MHz, 3490 MHz, and 4492 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2096 | 37.63 | -16.37 | 54 | 55.74 | 31.99 | 6.47 | 56.57 | 107 | 152 | Average |
| 2096 | 60.4 | -13.6 | 74 | 78.51 | 31.99 | 6.47 | 56.57 | 107 | 152 | Peak |
| 2194 | 34.94 | -19.06 | 54 | 52.74 | 32.09 | 6.62 | 56.51 | 102 | 116 | Average |
| 2194 | 62.89 | -11.11 | 74 | 80.69 | 32.09 | 6.62 | 56.51 | 102 | 116 | Peak |
| 3490 | 34.37 | -19.63 | 54 | 51.47 | 32.7 | 7.3 | 57.1 | 100 | 98 | Average |
| 3490 | 54.24 | -19.76 | 74 | 71.34 | 32.7 | 7.3 | 57.1 | 100 | 98 | Peak |
| 4492 | 33.23 | -20.77 | 54 | 48.15 | 34.06 | 8.45 | 57.43 | 102 | 66 | Average |
| 4492 | 55.38 | -18.62 | 74 | 70.3 | 34.06 | 8.45 | 57.43 | 102 | 66 | Peak |
| 5549 | 97.03 | - | - | 84.88 | 35.23 | 9.9 | 32.98 | 118 | 173 | Average |
| 5549 | 106.42 | - | - | 94.27 | 35.23 | 9.9 | 32.98 | 118 | 173 | Peak |
| 11100 | 43.21 | -30.79 | 74 | 49.88 | 38 | 13.87 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 110 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5549 MHz is fundamental signal which can be ignored.<br>2. 1996 MHz, 2198 MHz, 3490 MHz, and 3598 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | 39.75 | -14.25 | 54 | 58.15 | 31.9 | 6.32 | 56.62 | 100 | 52 | Average |
| 1996 | 61.64 | -12.36 | 74 | 80.04 | 31.9 | 6.32 | 56.62 | 100 | 52 | Peak |
| 2198 | 31.76 | -22.24 | 54 | 49.56 | 32.09 | 6.62 | 56.51 | 102 | 77 | Average |
| 2198 | 63.41 | -10.59 | 74 | 81.21 | 32.09 | 6.62 | 56.51 | 102 | 77 | Peak |
| 3490 | 39.16 | -14.84 | 54 | 56.26 | 32.7 | 7.3 | 57.1 | 103 | 99 | Average |
| 3490 | 51.3 | -22.7 | 74 | 68.4 | 32.7 | 7.3 | 57.1 | 103 | 99 | Peak |
| 3598 | 35.66 | -18.34 | 54 | 52.74 | 32.74 | 7.39 | 57.21 | 100 | 106 | Average |
| 3598 | 54.31 | -19.69 | 74 | 71.39 | 32.74 | 7.39 | 57.21 | 100 | 106 | Peak |
| 5549 | 97.56 | - | - | 85.41 | 35.23 | 9.9 | 32.98 | 101 | 76 | Average |
| 5549 | 107.14 | - | - | 94.99 | 35.23 | 9.9 | 32.98 | 101 | 76 | Peak |
| 11100 | 44.18 | -29.82 | 74 | 50.85 | 38 | 13.87 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 134 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5669 MHz is fundamental signal which can be ignored.<br>2. 1996 MHz, 2094 MHz, 3486 MHz, and 4484 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | 34.07 | -19.93 | 54 | 52.47 | 31.9 | 6.32 | 56.62 | 101 | 57 | Average |
| 1996 | 60.68 | -13.32 | 74 | 79.08 | 31.9 | 6.32 | 56.62 | 101 | 57 | Peak |
| 2094 | 31.75 | -22.25 | 54 | 49.86 | 31.99 | 6.47 | 56.57 | 102 | 115 | Average |
| 2094 | 61.59 | -12.41 | 74 | 79.7 | 31.99 | 6.47 | 56.57 | 102 | 115 | Peak |
| 3486 | 34.37 | -19.63 | 54 | 51.47 | 32.7 | 7.3 | 57.1 | 103 | 114 | Average |
| 3486 | 56.07 | -17.93 | 74 | 73.17 | 32.7 | 7.3 | 57.1 | 103 | 114 | Peak |
| 4484 | 41.28 | -12.72 | 54 | 56.23 | 34.06 | 8.42 | 57.43 | 104 | 85 | Average |
| 4484 | 55.47 | -18.53 | 74 | 70.42 | 34.06 | 8.42 | 57.43 | 104 | 85 | Peak |
| 5669 | 98.23 | - | - | 86.11 | 35.3 | 10 | 33.18 | 107 | 172 | Average |
| 5669 | 108.67 | - | - | 96.55 | 35.3 | 10 | 33.18 | 107 | 172 | Peak |
| 11340 | 44.42 | -29.58 | 74 | 50.57 | 38.23 | 14.16 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 134 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5671 MHz is fundamental signal which can be ignored.<br>2. 1998 MHz, 2192 MHz, 3484 MHz, and 3586 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1998 | 34.07 | -19.93 | 54 | 52.47 | 31.9 | 6.32 | 56.62 | 104 | 152 | Average |
| 1998 | 62.19 | -11.81 | 74 | 80.59 | 31.9 | 6.32 | 56.62 | 104 | 152 | Peak |
| 2192 | 35.88 | -18.12 | 54 | 53.68 | 32.09 | 6.62 | 56.51 | 100 | 165 | Average |
| 2192 | 64.59 | -9.41 | 74 | 82.39 | 32.09 | 6.62 | 56.51 | 100 | 165 | Peak |
| 3484 | 42.74 | -11.26 | 54 | 59.84 | 32.7 | 7.3 | 57.1 | 102 | 62 | Average |
| 3484 | 51.6 | -22.4 | 74 | 68.7 | 32.7 | 7.3 | 57.1 | 102 | 62 | Peak |
| 3586 | 34.39 | -19.61 | 54 | 51.47 | 32.73 | 7.39 | 57.2 | 100 | 84 | Average |
| 3586 | 55.65 | -18.35 | 74 | 72.73 | 32.73 | 7.39 | 57.2 | 100 | 84 | Peak |
| 5671 | 99.33 | - | - | 87.21 | 35.3 | 10 | 33.18 | 100 | 66 | Average |
| 5671 | 108.79 | - | - | 96.67 | 35.3 | 10 | 33.18 | 100 | 66 | Peak |
| 11340 | 45.01 | -28.99 | 74 | 51.16 | 38.23 | 14.16 | 58.54 | 100 | 0 | Peak |

**<Ant 2>**

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11n HT40 | **Temperature :** | 22~23°C |
| **Test Channel :** | 102 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | **Polarization :** | Horizontal |
| **Remark :** | 1. 5508 MHz is fundamental signal which can be ignored.<br>2. 2098 MHz, 2196 MHz, 3484 MHz, and 4496 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 35.94 | 33.07 | -6.93 | 40 | 48.52 | 15.82 | 0.59 | 31.86 | - | - | Peak |
| 42.42 | 34.78 | -5.22 | 40 | 54.2 | 11.7 | 0.64 | 31.76 | - | - | Peak |
| 51.06 | 35.86 | -4.14 | 40 | 58.88 | 7.9 | 0.71 | 31.63 | 101 | 163 | Peak |
| 399.4 | 36.72 | -9.28 | 46 | 50.09 | 16 | 2.14 | 31.51 | - | - | Peak |
| 499.5 | 37.34 | -8.66 | 46 | 47.7 | 18.08 | 2.45 | 30.89 | - | - | Peak |
| 602.4 | 33.85 | -12.15 | 46 | 41.86 | 19.82 | 2.7 | 30.53 | - | - | Peak |
| 2098 | 37.38 | -16.62 | 54 | 55.47 | 32 | 6.47 | 56.56 | 105 | 147 | Average |
| 2098 | 61.81 | -12.19 | 74 | 79.9 | 32 | 6.47 | 56.56 | 105 | 147 | Peak |
| 2196 | 41.97 | -12.03 | 54 | 59.77 | 32.09 | 6.62 | 56.51 | 101 | 221 | Average |
| 2196 | 62.8 | -11.2 | 74 | 80.6 | 32.09 | 6.62 | 56.51 | 101 | 221 | Peak |
| 3486 | 35.67 | -18.33 | 54 | 52.77 | 32.7 | 7.3 | 57.1 | 100 | 214 | Average |
| 3486 | 56.95 | -17.05 | 74 | 74.05 | 32.7 | 7.3 | 57.1 | 100 | 214 | Peak |
| 4496 | 34.74 | -19.26 | 54 | 49.62 | 34.1 | 8.45 | 57.43 | 102 | 194 | Average |
| 4496 | 55.46 | -18.54 | 74 | 70.34 | 34.1 | 8.45 | 57.43 | 102 | 194 | Peak |
| 5508 | 91.99 | - | - | 79.83 | 35.2 | 9.86 | 32.9 | 122 | 296 | Average |
| 5508 | 102.25 | - | - | 90.09 | 35.2 | 9.86 | 32.9 | 122 | 296 | Peak |
| 11019 | 43.45 | -30.55 | 74 | 50.31 | 37.92 | 13.76 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 102 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5502 MHz is fundamental signal which can be ignored.<br>2. 2096 MHz, 2192 MHz, 3484 MHz, and 3592 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 36.6 | -3.4 | 40 | 47.94 | 20 | 0.53 | 31.87 | - | - | Peak |
| 43.5 | 43.06 | 3.06 | 40 | 63.07 | 11.1 | 0.64 | 31.75 | 100 | 200 | Peak |
| 43.5 | 37.06 | -2.94 | 40 | 57.07 | 11.1 | 0.64 | 31.75 | 100 | 200 | QP |
| 215.76 | 30.67 | -12.83 | 43.5 | 50.33 | 10.24 | 1.4 | 31.3 | - | - | Peak |
| 398 | 28.96 | -17.04 | 46 | 42.37 | 15.95 | 2.14 | 31.5 | - | - | Peak |
| 498.1 | 29.73 | -16.27 | 46 | 40.13 | 18.06 | 2.44 | 30.9 | - | - | Peak |
| 598.9 | 31.61 | -14.39 | 46 | 39.71 | 19.77 | 2.68 | 30.55 | - | - | Peak |
| 2096 | 30.55 | -23.45 | 54 | 48.66 | 31.99 | 6.47 | 56.57 | 104 | 127 | Average |
| 2096 | 59.85 | -14.15 | 74 | 77.96 | 31.99 | 6.47 | 56.57 | 104 | 127 | Peak |
| 2192 | 34.67 | -19.33 | 54 | 52.47 | 32.09 | 6.62 | 56.51 | 101 | 109 | Average |
| 2192 | 62.82 | -11.18 | 74 | 80.62 | 32.09 | 6.62 | 56.51 | 101 | 109 | Peak |
| 3484 | 32.75 | -21.25 | 54 | 49.85 | 32.7 | 7.3 | 57.1 | 103 | 71 | Average |
| 3484 | 53.16 | -20.84 | 74 | 70.26 | 32.7 | 7.3 | 57.1 | 103 | 71 | Peak |
| 3592 | 34.16 | -19.84 | 54 | 51.24 | 32.73 | 7.39 | 57.2 | 101 | 95 | Average |
| 3592 | 56.1 | -17.9 | 74 | 73.18 | 32.73 | 7.39 | 57.2 | 101 | 95 | Peak |
| 5502 | 93.94 | - | - | 81.78 | 35.2 | 9.86 | 32.9 | 118 | 60 | Average |
| 5502 | 103.94 | - | - | 91.78 | 35.2 | 9.86 | 32.9 | 118 | 60 | Peak |
| 11019 | 43.96 | -30.04 | 74 | 50.82 | 37.92 | 13.76 | 58.54 | 100 | 0 | Peak |

**<Ant 1+2>**

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11n HT20 | **Temperature :** | 22~23°C |
| **Test Channel :** | 36 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | **Polarization :** | Horizontal |
| **Remark :** | 1. 5176 MHz is fundamental signal which can be ignored.<br>2. 1994 MHz, 2092 MHz, 3486 MHz, 4488 MHz, and 10359 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1994 | 36.3 | -17.7 | 54 | 54.89 | 31.76 | 6.27 | 56.62 | 105 | 192 | Average |
| 1994 | 61.78 | -12.22 | 74 | 80.37 | 31.76 | 6.27 | 56.62 | 105 | 192 | Peak |
| 2092 | 33.36 | -20.64 | 54 | 51.47 | 31.99 | 6.47 | 56.57 | 100 | 165 | Average |
| 2092 | 61.4 | -12.6 | 74 | 79.51 | 31.99 | 6.47 | 56.57 | 100 | 165 | Peak |
| 3486 | 34.14 | -19.86 | 54 | 51.24 | 32.7 | 7.3 | 57.1 | 104 | 142 | Average |
| 3486 | 56.82 | -17.18 | 74 | 73.92 | 32.7 | 7.3 | 57.1 | 104 | 142 | Peak |
| 4488 | 41.51 | -12.49 | 54 | 56.46 | 34.06 | 8.42 | 57.43 | 101 | 157 | Average |
| 4488 | 56.31 | -17.69 | 74 | 71.26 | 34.06 | 8.42 | 57.43 | 101 | 157 | Peak |
| 5176 | 95.11 | - | - | 84.43 | 34.38 | 9.27 | 32.97 | 100 | 189 | Average |
| 5176 | 105.86 | - | - | 95.18 | 34.38 | 9.27 | 32.97 | 100 | 189 | Peak |
| 10359 | 44.42 | -29.58 | 74 | 51.98 | 37.29 | 13.71 | 58.56 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 36 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5176 MHz is fundamental signal which can be ignored.<br>2. 1992 MHz, 2198 MHz, 3492 MHz, 3586 MHz, and 10359 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1992 | 35.03 | -18.97 | 54 | 53.62 | 31.76 | 6.27 | 56.62 | 101 | 99 | Average |
| 1992 | 60.16 | -13.84 | 74 | 78.75 | 31.76 | 6.27 | 56.62 | 101 | 99 | Peak |
| 2198 | 37.68 | -16.32 | 54 | 55.48 | 32.09 | 6.62 | 56.51 | 100 | 106 | Average |
| 2198 | 64.22 | -9.78 | 74 | 82.02 | 32.09 | 6.62 | 56.51 | 100 | 106 | Peak |
| 3492 | 36.56 | -17.44 | 54 | 53.68 | 32.7 | 7.3 | 57.12 | 101 | 107 | Average |
| 3492 | 52.44 | -21.56 | 74 | 69.56 | 32.7 | 7.3 | 57.12 | 101 | 107 | Peak |
| 3586 | 34.71 | -19.29 | 54 | 51.79 | 32.73 | 7.39 | 57.2 | 100 | 95 | Average |
| 3586 | 56.24 | -17.76 | 74 | 73.32 | 32.73 | 7.39 | 57.2 | 100 | 95 | Peak |
| 5176 | 96.47 | - | - | 85.79 | 34.38 | 9.27 | 32.97 | 129 | 86 | Average |
| 5176 | 106.65 | - | - | 95.97 | 34.38 | 9.27 | 32.97 | 129 | 86 | Peak |
| 10359 | 43.78 | -30.22 | 74 | 51.34 | 37.29 | 13.71 | 58.56 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 44 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5218 MHz is fundamental signal which can be ignored.<br>2. 1996 MHz, 2094 MHz, 3486 MHz, 4492 MHz, and 10401 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | 31.12 | -22.88 | 54 | 49.52 | 31.9 | 6.32 | 56.62 | 102 | 214 | Average |
| 1996 | 58.77 | -15.23 | 74 | 77.17 | 31.9 | 6.32 | 56.62 | 102 | 214 | Peak |
| 2094 | 38.46 | -15.54 | 54 | 56.57 | 31.99 | 6.47 | 56.57 | 101 | 195 | Average |
| 2094 | 61.79 | -12.21 | 74 | 79.9 | 31.99 | 6.47 | 56.57 | 101 | 195 | Peak |
| 3486 | 37.37 | -16.63 | 54 | 54.47 | 32.7 | 7.3 | 57.1 | 105 | 125 | Average |
| 3486 | 55.85 | -18.15 | 74 | 72.95 | 32.7 | 7.3 | 57.1 | 105 | 125 | Peak |
| 4492 | 34.65 | -19.35 | 54 | 49.57 | 34.06 | 8.45 | 57.43 | 103 | 210 | Average |
| 4492 | 55.39 | -18.61 | 74 | 70.31 | 34.06 | 8.45 | 57.43 | 103 | 210 | Peak |
| 5218 | 94.44 | - | - | 83.59 | 34.46 | 9.35 | 32.96 | 125 | 188 | Average |
| 5218 | 105.53 | - | - | 94.68 | 34.46 | 9.35 | 32.96 | 125 | 188 | Peak |
| 10401 | 44.12 | -29.88 | 74 | 51.68 | 37.32 | 13.71 | 58.59 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 44 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5222 MHz is fundamental signal which can be ignored.<br>2. 2000 MHz, 2194 MHz, 3484 MHz, 3584 MHz, and 10401 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2000 | 33.17 | -20.83 | 54 | 51.57 | 31.9 | 6.32 | 56.62 | 102 | 51 | Average |
| 2000 | 60.31 | -13.69 | 74 | 78.71 | 31.9 | 6.32 | 56.62 | 102 | 51 | Peak |
| 2194 | 35.67 | -18.33 | 54 | 53.47 | 32.09 | 6.62 | 56.51 | 101 | 99 | Average |
| 2194 | 62.67 | -11.33 | 74 | 80.47 | 32.09 | 6.62 | 56.51 | 101 | 99 | Peak |
| 3484 | 36.39 | -17.61 | 54 | 53.49 | 32.7 | 7.3 | 57.1 | 102 | 85 | Average |
| 3484 | 51.57 | -22.43 | 74 | 68.67 | 32.7 | 7.3 | 57.1 | 102 | 85 | Peak |
| 3584 | 36.66 | -17.34 | 54 | 53.74 | 32.73 | 7.39 | 57.2 | 100 | 53 | Average |
| 3584 | 54.51 | -19.49 | 74 | 71.59 | 32.73 | 7.39 | 57.2 | 100 | 53 | Peak |
| 5222 | 96.9 | - | - | 86.05 | 34.46 | 9.35 | 32.96 | 116 | 87 | Average |
| 5222 | 107.93 | - | - | 97.08 | 34.46 | 9.35 | 32.96 | 116 | 87 | Peak |
| 10401 | 43.54 | -30.46 | 74 | 51.1 | 37.32 | 13.71 | 58.59 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 48 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5236 MHz is fundamental signal which can be ignored.<br>2. 2092 MHz, 2192 MHz, 3488 MHz, 4486 MHz, and 10479 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2092 | 34.57 | -19.43 | 54 | 52.68 | 31.99 | 6.47 | 56.57 | 101 | 223 | Average |
| 2092 | 60.64 | -13.36 | 74 | 78.75 | 31.99 | 6.47 | 56.57 | 101 | 223 | Peak |
| 2192 | 36.77 | -17.23 | 54 | 54.57 | 32.09 | 6.62 | 56.51 | 106 | 207 | Average |
| 2192 | 59.02 | -14.98 | 74 | 76.82 | 32.09 | 6.62 | 56.51 | 106 | 207 | Peak |
| 3488 | 31.44 | -22.56 | 54 | 48.54 | 32.7 | 7.3 | 57.1 | 100 | 235 | Average |
| 3488 | 55.88 | -18.12 | 74 | 72.98 | 32.7 | 7.3 | 57.1 | 100 | 235 | Peak |
| 4486 | 36.46 | -17.54 | 54 | 51.41 | 34.06 | 8.42 | 57.43 | 101 | 192 | Average |
| 4486 | 56.27 | -17.73 | 74 | 71.22 | 34.06 | 8.42 | 57.43 | 101 | 192 | Peak |
| 5236 | 94.58 | - | - | 83.68 | 34.51 | 9.35 | 32.96 | 150 | 188 | Average |
| 5236 | 105 | - | - | 94.1 | 34.51 | 9.35 | 32.96 | 150 | 188 | Peak |
| 10479 | 45.1 | -28.9 | 74 | 52.65 | 37.39 | 13.72 | 58.66 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 48 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5244 MHz is fundamental signal which can be ignored.<br>2. 2000 MHz, 2196 MHz, 3494 MHz, 3586 MHz, and 10479 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2000 | 31.17 | -22.83 | 54 | 49.57 | 31.9 | 6.32 | 56.62 | 104 | 108 | Average |
| 2000 | 61.48 | -12.52 | 74 | 79.88 | 31.9 | 6.32 | 56.62 | 104 | 108 | Peak |
| 2196 | 36.48 | -17.52 | 54 | 54.28 | 32.09 | 6.62 | 56.51 | 101 | 93 | Average |
| 2196 | 62.06 | -11.94 | 74 | 79.86 | 32.09 | 6.62 | 56.51 | 101 | 93 | Peak |
| 3494 | 39.75 | -14.25 | 54 | 56.87 | 32.7 | 7.3 | 57.12 | 102 | 56 | Average |
| 3494 | 53.42 | -20.58 | 74 | 70.54 | 32.7 | 7.3 | 57.12 | 102 | 56 | Peak |
| 3586 | 32.8 | -21.2 | 54 | 49.88 | 32.73 | 7.39 | 57.2 | 100 | 68 | Average |
| 3586 | 54.53 | -19.47 | 74 | 71.61 | 32.73 | 7.39 | 57.2 | 100 | 68 | Peak |
| 5244 | 96.07 | - | - | 85.08 | 34.55 | 9.39 | 32.95 | 118 | 87 | Average |
| 5244 | 107.13 | - | - | 96.14 | 34.55 | 9.39 | 32.95 | 118 | 87 | Peak |
| 10479 | 44.94 | -29.06 | 74 | 52.49 | 37.39 | 13.72 | 58.66 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 52 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5258 MHz is fundamental signal which can be ignored.<br>2. 1992 MHz, 2094 MHz, 3484 MHz, 4484 MHz, and 10521 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1992 | 33.93 | -20.07 | 54 | 52.52 | 31.76 | 6.27 | 56.62 | 102 | 215 | Average |
| 1992 | 64.82 | -9.18 | 74 | 83.41 | 31.76 | 6.27 | 56.62 | 102 | 215 | Peak |
| 2094 | 33.36 | -20.64 | 54 | 51.47 | 31.99 | 6.47 | 56.57 | 103 | 198 | Average |
| 2094 | 62.01 | -11.99 | 74 | 80.12 | 31.99 | 6.47 | 56.57 | 103 | 198 | Peak |
| 3484 | 32.48 | -21.52 | 54 | 49.58 | 32.7 | 7.3 | 57.1 | 105 | 118 | Average |
| 3484 | 56.07 | -17.93 | 74 | 73.17 | 32.7 | 7.3 | 57.1 | 101 | 118 | Peak |
| 4484 | 36.3 | -17.7 | 54 | 51.25 | 34.06 | 8.42 | 57.43 | 101 | 125 | Average |
| 4484 | 55.19 | -18.81 | 74 | 70.14 | 34.06 | 8.42 | 57.43 | 101 | 125 | Peak |
| 5258 | 94.09 | - | - | 83.1 | 34.55 | 9.39 | 32.95 | 149 | 181 | Average |
| 5258 | 104.94 | - | - | 93.95 | 34.55 | 9.39 | 32.95 | 149 | 181 | Peak |
| 10521 | 45.76 | -28.24 | 74 | 53.29 | 37.42 | 13.72 | 58.67 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 52 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5264 MHz is fundamental signal which can be ignored.<br>2. 2098 MHz, 2194 MHz, 3492 MHz, 3590 MHz, and 10521 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2098 | 33.15 | -20.85 | 54 | 51.24 | 32 | 6.47 | 56.56 | 102 | 96 | Average |
| 2098 | 58.01 | -15.99 | 74 | 76.1 | 32 | 6.47 | 56.56 | 102 | 96 | Peak |
| 2194 | 35.88 | -18.12 | 54 | 53.68 | 32.09 | 6.62 | 56.51 | 101 | 65 | Average |
| 2194 | 64.43 | -9.57 | 74 | 82.23 | 32.09 | 6.62 | 56.51 | 101 | 65 | Peak |
| 3492 | 32.45 | -21.55 | 54 | 49.57 | 32.7 | 7.3 | 57.12 | 102 | 65 | Average |
| 3492 | 53.14 | -20.86 | 74 | 70.26 | 32.7 | 7.3 | 57.12 | 102 | 65 | Peak |
| 3590 | 35.39 | -18.61 | 54 | 52.47 | 32.73 | 7.39 | 57.2 | 101 | 58 | Average |
| 3590 | 53.9 | -20.1 | 74 | 70.98 | 32.73 | 7.39 | 57.2 | 101 | 58 | Peak |
| 5264 | 96.39 | - | - | 85.31 | 34.59 | 9.44 | 32.95 | 116 | 85 | Average |
| 5264 | 107.44 | - | - | 96.36 | 34.59 | 9.44 | 32.95 | 116 | 85 | Peak |
| 10521 | 44.22 | -29.78 | 74 | 51.75 | 37.42 | 13.72 | 58.67 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 60 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5298 MHz is fundamental signal which can be ignored.<br>2. 2000 MHz, 3486 MHz, 4498 MHz, and 10599 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2000 | 37.07 | -16.93 | 54 | 55.47 | 31.9 | 6.32 | 56.62 | 100 | 221 | Average |
| 2000 | 57.72 | -16.28 | 74 | 76.12 | 31.9 | 6.32 | 56.62 | 100 | 221 | Peak |
| 2200 | 35.81 | -18.19 | 54 | 53.58 | 32.11 | 6.62 | 56.5 | 101 | 185 | Average |
| 2200 | 61.16 | -12.84 | 74 | 78.93 | 32.11 | 6.62 | 56.5 | 101 | 185 | Peak |
| 3486 | 31.02 | -22.98 | 54 | 48.12 | 32.7 | 7.3 | 57.1 | 103 | 185 | Average |
| 3486 | 52.81 | -21.19 | 74 | 69.91 | 32.7 | 7.3 | 57.1 | 103 | 185 | Peak |
| 4498 | 36.01 | -17.99 | 54 | 50.89 | 34.1 | 8.45 | 57.43 | 103 | 198 | Average |
| 4498 | 55.64 | -18.36 | 74 | 70.52 | 34.1 | 8.45 | 57.43 | 103 | 198 | Peak |
| 5298 | 94.8 | - | - | 83.58 | 34.68 | 9.48 | 32.94 | 106 | 194 | Average |
| 5298 | 105.06 | - | - | 93.84 | 34.68 | 9.48 | 32.94 | 106 | 194 | Peak |
| 10599 | 44 | -30 | 74 | 51.41 | 37.5 | 13.73 | 58.64 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 60 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5302 MHz is fundamental signal which can be ignored.<br>2. 1994 MHz, 2198 MHz, 3488 MHz, 3590 MHz, and 10599 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1994 | 34.09 | -19.91 | 54 | 52.68 | 31.76 | 6.27 | 56.62 | 102 | 125 | Average |
| 1994 | 60.13 | -13.87 | 74 | 78.72 | 31.76 | 6.27 | 56.62 | 102 | 125 | Peak |
| 2198 | 31.76 | -22.24 | 54 | 49.56 | 32.09 | 6.62 | 56.51 | 101 | 175 | Average |
| 2198 | 63.15 | -10.85 | 74 | 80.95 | 32.09 | 6.62 | 56.51 | 101 | 175 | Peak |
| 3488 | 32.42 | -21.58 | 54 | 49.52 | 32.7 | 7.3 | 57.1 | 101 | 56 | Average |
| 3488 | 52.34 | -21.66 | 74 | 69.44 | 32.7 | 7.3 | 57.1 | 101 | 56 | Peak |
| 3590 | 32.5 | -21.5 | 54 | 49.58 | 32.73 | 7.39 | 57.2 | 101 | 95 | Average |
| 3590 | 54.5 | -19.5 | 74 | 71.58 | 32.73 | 7.39 | 57.2 | 101 | 95 | Peak |
| 5302 | 97.75 | - | - | 86.53 | 34.68 | 9.48 | 32.94 | 116 | 85 | Average |
| 5302 | 108.33 | - | - | 97.11 | 34.68 | 9.48 | 32.94 | 116 | 85 | Peak |
| 10599 | 42.94 | -31.06 | 74 | 50.35 | 37.5 | 13.73 | 58.64 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 64 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5322 MHz is fundamental signal which can be ignored.<br>2. 2094 MHz, 2194 MHz, 3486 MHz, and 4498 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2094 | 33.36 | -20.64 | 54 | 51.47 | 31.99 | 6.47 | 56.57 | 105 | 224 | Average |
| 2094 | 60.04 | -13.96 | 74 | 78.15 | 31.99 | 6.47 | 56.57 | 105 | 224 | Peak |
| 2194 | 35.78 | -18.22 | 54 | 53.58 | 32.09 | 6.62 | 56.51 | 102 | 147 | Average |
| 2194 | 60.18 | -13.82 | 74 | 77.98 | 32.09 | 6.62 | 56.51 | 102 | 147 | Peak |
| 3486 | 39.31 | -14.69 | 54 | 56.41 | 32.7 | 7.3 | 57.1 | 102 | 125 | Average |
| 3486 | 56.24 | -17.76 | 74 | 73.34 | 32.7 | 7.3 | 57.1 | 102 | 125 | Peak |
| 4498 | 42.7 | -11.3 | 54 | 57.58 | 34.1 | 8.45 | 57.43 | 101 | 162 | Average |
| 4498 | 55.05 | -18.95 | 74 | 69.93 | 34.1 | 8.45 | 57.43 | 101 | 162 | Peak |
| 5322 | 94.8 | - | - | 83.5 | 34.72 | 9.52 | 32.94 | 105 | 188 | Average |
| 5322 | 105.77 | - | - | 94.47 | 34.72 | 9.52 | 32.94 | 105 | 188 | Peak |
| 10641 | 43.94 | -30.06 | 74 | 51.3 | 37.54 | 13.73 | 58.63 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 64 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5324 MHz is fundamental signal which can be ignored.<br>2. 1994 MHz, 2192 MHz, 3488 MHz, and 3598 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1994 | 29.97 | -24.03 | 54 | 48.56 | 31.76 | 6.27 | 56.62 | 102 | 57 | Average |
| 1994 | 57.94 | -16.06 | 74 | 76.53 | 31.76 | 6.27 | 56.62 | 102 | 57 | Peak |
| 2192 | 36.07 | -17.93 | 54 | 53.87 | 32.09 | 6.62 | 56.51 | 104 | 67 | Average |
| 2192 | 64.27 | -9.73 | 74 | 82.07 | 32.09 | 6.62 | 56.51 | 104 | 67 | Peak |
| 3488 | 32.42 | -21.58 | 54 | 49.52 | 32.7 | 7.3 | 57.1 | 100 | 56 | Average |
| 3488 | 53.31 | -20.69 | 74 | 70.41 | 32.7 | 7.3 | 57.1 | 100 | 56 | Peak |
| 3598 | 33.39 | -20.61 | 54 | 50.47 | 32.74 | 7.39 | 57.21 | 100 | 106 | Average |
| 3598 | 55.1 | -18.9 | 74 | 72.18 | 32.74 | 7.39 | 57.21 | 100 | 106 | Peak |
| 5324 | 97.28 | - | - | 85.98 | 34.72 | 9.52 | 32.94 | 144 | 79 | Average |
| 5324 | 107.86 | - | - | 96.56 | 34.72 | 9.52 | 32.94 | 144 | 79 | Peak |
| 10641 | 43.26 | -30.74 | 74 | 50.62 | 37.54 | 13.73 | 58.63 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 100 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5504 MHz is fundamental signal which can be ignored.<br>2. 2092 MHz, 2190 MHz, 3484 MHz, and 4494 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2092 | 35.57 | -18.43 | 54 | 53.68 | 31.99 | 6.47 | 56.57 | 101 | 163 | Average |
| 2092 | 60.97 | -13.03 | 74 | 79.08 | 31.99 | 6.47 | 56.57 | 101 | 163 | Peak |
| 2190 | 31.77 | -22.23 | 54 | 49.57 | 32.09 | 6.62 | 56.51 | 100 | 185 | Average |
| 2190 | 59.61 | -14.39 | 74 | 77.41 | 32.09 | 6.62 | 56.51 | 100 | 185 | Peak |
| 3484 | 32.78 | -21.22 | 54 | 49.88 | 32.7 | 7.3 | 57.1 | 104 | 221 | Average |
| 3484 | 54.53 | -19.47 | 74 | 71.63 | 32.7 | 7.3 | 57.1 | 104 | 221 | Peak |
| 4494 | 38.7 | -15.3 | 54 | 53.58 | 34.1 | 8.45 | 57.43 | 106 | 163 | Average |
| 4494 | 55.96 | -18.04 | 74 | 70.84 | 34.1 | 8.45 | 57.43 | 106 | 163 | Peak |
| 5504 | 94.67 | - | - | 82.51 | 35.2 | 9.86 | 32.9 | 140 | 164 | Average |
| 5504 | 105.04 | - | - | 92.88 | 35.2 | 9.86 | 32.9 | 140 | 164 | Peak |
| 11001 | 44.47 | -29.53 | 74 | 51.35 | 37.9 | 13.76 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 100 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5500 MHz is fundamental signal which can be ignored.<br>2. 2094 MHz, 2198 MHz, 3484 MHz, and 3584 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2094 | 35.15 | -18.85 | 54 | 53.26 | 31.99 | 6.47 | 56.57 | 100 | 106 | Average |
| 2094 | 59.79 | -14.21 | 74 | 77.9 | 31.99 | 6.47 | 56.57 | 100 | 106 | Peak |
| 2198 | 33.69 | -20.31 | 54 | 51.49 | 32.09 | 6.62 | 56.51 | 103 | 96 | Average |
| 2198 | 64.92 | -9.08 | 74 | 82.72 | 32.09 | 6.62 | 56.51 | 103 | 96 | Peak |
| 3484 | 32.52 | -21.48 | 54 | 49.62 | 32.7 | 7.3 | 57.1 | 102 | 64 | Average |
| 3484 | 52.36 | -21.64 | 74 | 69.46 | 32.7 | 7.3 | 57.1 | 102 | 64 | Peak |
| 3584 | 33.61 | -20.39 | 54 | 50.69 | 32.73 | 7.39 | 57.2 | 101 | 98 | Average |
| 3584 | 54.64 | -19.36 | 74 | 71.72 | 32.73 | 7.39 | 57.2 | 101 | 98 | Peak |
| 5500 | 95.65 | - | - | 83.49 | 35.2 | 9.86 | 32.9 | 149 | 82 | Average |
| 5500 | 107.13 | - | - | 94.97 | 35.2 | 9.86 | 32.9 | 149 | 82 | Peak |
| 11001 | 43.72 | -30.28 | 74 | 50.6 | 37.9 | 13.76 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 116 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5576 MHz is fundamental signal which can be ignored.<br>2. 1894 MHz, 2090 MHz, 3484 MHz, and 4498 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1894 | 35.29 | -18.71 | 54 | 54.78 | 31.04 | 6.07 | 56.6 | 101 | 216 | Average |
| 1894 | 59.29 | -14.71 | 74 | 78.78 | 31.04 | 6.07 | 56.6 | 101 | 216 | Peak |
| 2090 | 40.11 | -13.89 | 54 | 58.26 | 31.99 | 6.43 | 56.57 | 102 | 206 | Average |
| 2090 | 63.41 | -10.59 | 74 | 81.56 | 31.99 | 6.43 | 56.57 | 102 | 206 | Peak |
| 3484 | 34.58 | -19.42 | 54 | 51.68 | 32.7 | 7.3 | 57.1 | 104 | 206 | Average |
| 3484 | 57.05 | -16.95 | 74 | 74.15 | 32.7 | 7.3 | 57.1 | 104 | 206 | Peak |
| 4498 | 39.11 | -14.89 | 54 | 53.99 | 34.1 | 8.45 | 57.43 | 102 | 224 | Average |
| 4498 | 55.47 | -18.53 | 74 | 70.35 | 34.1 | 8.45 | 57.43 | 102 | 224 | Peak |
| 5576 | 94.99 | - | - | 82.85 | 35.24 | 9.92 | 33.02 | 100 | 170 | Average |
| 5576 | 105.34 | - | - | 93.2 | 35.24 | 9.92 | 33.02 | 100 | 170 | Peak |
| 11160 | 43.93 | -30.07 | 74 | 50.47 | 38.07 | 13.93 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 116 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5574 MHz is fundamental signal which can be ignored.<br>2. 1996 MHz, 2196 MHz, 3484 MHz, and 3596 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | 31.23 | -22.77 | 54 | 49.63 | 31.9 | 6.32 | 56.62 | 105 | 117 | Average |
| 1996 | 58.59 | -15.41 | 74 | 76.99 | 31.9 | 6.32 | 56.62 | 105 | 117 | Peak |
| 2196 | 32.89 | -21.11 | 54 | 50.69 | 32.09 | 6.62 | 56.51 | 102 | 125 | Average |
| 2196 | 64.54 | -9.46 | 74 | 82.34 | 32.09 | 6.62 | 56.51 | 102 | 125 | Peak |
| 3484 | 34.39 | -19.61 | 54 | 51.49 | 32.7 | 7.3 | 57.1 | 106 | 65 | Average |
| 3484 | 55.05 | -18.95 | 74 | 72.15 | 32.7 | 7.3 | 57.1 | 106 | 65 | Peak |
| 3596 | 35.6 | -18.4 | 54 | 52.68 | 32.74 | 7.39 | 57.21 | 102 | 99 | Average |
| 3596 | 53.49 | -20.51 | 74 | 70.57 | 32.74 | 7.39 | 57.21 | 102 | 99 | Peak |
| 5574 | 96.52 | - | - | 84.38 | 35.24 | 9.92 | 33.02 | 100 | 78 | Average |
| 5574 | 107.23 | - | - | 95.09 | 35.24 | 9.92 | 33.02 | 100 | 78 | Peak |
| 11160 | 45.89 | -28.11 | 74 | 52.43 | 38.07 | 13.93 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 140 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5706 MHz is fundamental signal which can be ignored.<br>2. 2096 MHz, 3484 MHz, and 4482 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2096 | 38.76 | -15.24 | 54 | 56.87 | 31.99 | 6.47 | 56.57 | 106 | 227 | Average |
| 2096 | 62.17 | -11.83 | 74 | 80.28 | 31.99 | 6.47 | 56.57 | 106 | 227 | Peak |
| 2200 | 34.68 | -19.32 | 54 | 52.45 | 32.11 | 6.62 | 56.5 | 101 | 188 | Average |
| 2200 | 58.67 | -15.33 | 74 | 76.44 | 32.11 | 6.62 | 56.5 | 101 | 188 | Peak |
| 3484 | 32.11 | -21.89 | 54 | 49.21 | 32.7 | 7.3 | 57.1 | 100 | 226 | Average |
| 3484 | 55.28 | -18.72 | 74 | 72.38 | 32.7 | 7.3 | 57.1 | 100 | 226 | Peak |
| 4482 | 38.62 | -15.38 | 54 | 53.57 | 34.06 | 8.42 | 57.43 | 103 | 216 | Average |
| 4482 | 56.6 | -17.4 | 74 | 71.55 | 34.06 | 8.42 | 57.43 | 103 | 216 | Peak |
| 5706 | 94.87 | - | - | 82.75 | 35.32 | 10.02 | 33.22 | 100 | 170 | Average |
| 5706 | 105.72 | - | - | 93.6 | 35.32 | 10.02 | 33.22 | 100 | 170 | Peak |
| 11400 | 43.87 | -30.13 | 74 | 49.9 | 38.3 | 14.21 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT20 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 140 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5706 MHz is fundamental signal which can be ignored.<br>2. 1996 MHz, 2198 MHz, 3490 MHz, and 3586 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | 35.28 | -18.72 | 54 | 53.68 | 31.9 | 6.32 | 56.62 | 104 | 102 | Average |
| 1996 | 60.3 | -13.7 | 74 | 78.7 | 31.9 | 6.32 | 56.62 | 104 | 102 | Peak |
| 2198 | 40.09 | -13.91 | 54 | 57.89 | 32.09 | 6.62 | 56.51 | 105 | 117 | Average |
| 2198 | 62.49 | -11.51 | 74 | 80.29 | 32.09 | 6.62 | 56.51 | 105 | 117 | Peak |
| 3490 | 31.45 | -22.55 | 54 | 48.55 | 32.7 | 7.3 | 57.1 | 100 | 63 | Average |
| 3490 | 52.5 | -21.5 | 74 | 69.6 | 32.7 | 7.3 | 57.1 | 100 | 63 | Peak |
| 3586 | 33.6 | -20.4 | 54 | 50.68 | 32.73 | 7.39 | 57.2 | 102 | 98 | Average |
| 3586 | 57.28 | -16.72 | 74 | 74.36 | 32.73 | 7.39 | 57.2 | 102 | 98 | Peak |
| 5706 | 95.38 | - | - | 83.26 | 35.32 | 10.02 | 33.22 | 134 | 74 | Average |
| 5706 | 106.83 | - | - | 94.71 | 35.32 | 10.02 | 33.22 | 134 | 74 | Peak |
| 11400 | 44.22 | -29.78 | 74 | 50.25 | 38.3 | 14.21 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 38 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5190 MHz is fundamental signal which can be ignored.<br>2. 2096 MHz, 2192 MHz, 3498 MHz, 4492 MHz, and 10380 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2096 | 38.46 | -15.54 | 54 | 56.57 | 31.99 | 6.47 | 56.57 | 101 | 218 | Average |
| 2096 | 60.08 | -13.92 | 74 | 78.19 | 31.99 | 6.47 | 56.57 | 101 | 218 | Peak |
| 2192 | 33.77 | -20.23 | 54 | 51.57 | 32.09 | 6.62 | 56.51 | 100 | 199 | Average |
| 2192 | 58.93 | -15.07 | 74 | 76.73 | 32.09 | 6.62 | 56.51 | 100 | 199 | Peak |
| 3498 | 35.12 | -18.88 | 54 | 52.24 | 32.7 | 7.3 | 57.12 | 101 | 168 | Average |
| 3498 | 55.7 | -18.3 | 74 | 72.82 | 32.7 | 7.3 | 57.12 | 101 | 168 | Peak |
| 4492 | 41.36 | -12.64 | 54 | 56.28 | 34.06 | 8.45 | 57.43 | 106 | 218 | Average |
| 4492 | 56.5 | -17.5 | 74 | 71.42 | 34.06 | 8.45 | 57.43 | 106 | 218 | Peak |
| 5190 | 91.63 | - | - | 80.9 | 34.38 | 9.31 | 32.96 | 123 | 191 | Average |
| 5190 | 102 | - | - | 91.27 | 34.38 | 9.31 | 32.96 | 123 | 191 | Peak |
| 10380 | 43.12 | -30.88 | 74 | 50.67 | 37.31 | 13.71 | 58.57 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 38 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5191 MHz is fundamental signal which can be ignored.<br>2. 2090 MHz, 2194 MHz, 3594 MHz, 4090 MHz, and 10380 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2090 | 31.37 | -22.63 | 54 | 49.52 | 31.99 | 6.43 | 56.57 | 105 | 113 | Average |
| 2090 | 58.99 | -15.01 | 74 | 77.14 | 31.99 | 6.43 | 56.57 | 105 | 113 | Peak |
| 2194 | 35.67 | -18.33 | 54 | 53.47 | 32.09 | 6.62 | 56.51 | 101 | 126 | Average |
| 2194 | 63.41 | -10.59 | 74 | 81.21 | 32.09 | 6.62 | 56.51 | 101 | 126 | Peak |
| 3594 | 37.41 | -16.59 | 54 | 54.49 | 32.74 | 7.39 | 57.21 | 101 | 96 | Average |
| 3594 | 52.02 | -21.98 | 74 | 69.1 | 32.74 | 7.39 | 57.21 | 101 | 96 | Peak |
| 4090 | 37.17 | -16.83 | 54 | 53.68 | 33.14 | 7.89 | 57.54 | 100 | 106 | Average |
| 4090 | 51.19 | -22.81 | 74 | 67.7 | 33.14 | 7.89 | 57.54 | 100 | 106 | Peak |
| 5191 | 90.88 | - | - | 80.11 | 34.42 | 9.31 | 32.96 | 139 | 49 | Average |
| 5191 | 100.78 | - | - | 90.01 | 34.42 | 9.31 | 32.96 | 139 | 49 | Peak |
| 10380 | 43.79 | -30.21 | 74 | 51.34 | 37.31 | 13.71 | 58.57 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 46 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5231 MHz is fundamental signal which can be ignored.<br>2. 2094 MHz, 2192 MHz, 3492 MHz, 4498 MHz, and 10461 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2094 | 35.47 | -18.53 | 54 | 53.58 | 31.99 | 6.47 | 56.57 | 107 | 216 | Average |
| 2094 | 59.03 | -14.97 | 74 | 77.14 | 31.99 | 6.47 | 56.57 | 107 | 216 | Peak |
| 2192 | 38.42 | -15.58 | 54 | 56.22 | 32.09 | 6.62 | 56.51 | 102 | 119 | Average |
| 2192 | 62.12 | -11.88 | 74 | 79.92 | 32.09 | 6.62 | 56.51 | 102 | 119 | Peak |
| 3492 | 35.12 | -18.88 | 54 | 52.24 | 32.7 | 7.3 | 57.12 | 104 | 223 | Average |
| 3492 | 54.75 | -19.25 | 74 | 71.87 | 32.7 | 7.3 | 57.12 | 104 | 223 | Peak |
| 4498 | 41.61 | -12.39 | 54 | 56.49 | 34.1 | 8.45 | 57.43 | 100 | 197 | Average |
| 4498 | 55.17 | -18.83 | 74 | 70.05 | 34.1 | 8.45 | 57.43 | 100 | 197 | Peak |
| 5231 | 91.62 | - | - | 80.72 | 34.51 | 9.35 | 32.96 | 120 | 252 | Average |
| 5231 | 101.78 | - | - | 90.88 | 34.51 | 9.35 | 32.96 | 120 | 252 | Peak |
| 10461 | 43.92 | -30.08 | 74 | 51.47 | 37.37 | 13.72 | 58.64 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 46 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5231 MHz is fundamental signal which can be ignored.<br>2. 1996 MHz, 2198 MHz, 3496 MHz, 3588 MHz, and 10461 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | 37.85 | -16.15 | 54 | 56.25 | 31.9 | 6.32 | 56.62 | 105 | 140 | Average |
| 1996 | 59.05 | -14.95 | 74 | 77.45 | 31.9 | 6.32 | 56.62 | 105 | 140 | Peak |
| 2198 | 34.68 | -19.32 | 54 | 52.48 | 32.09 | 6.62 | 56.51 | 101 | 113 | Average |
| 2198 | 64.28 | -9.72 | 74 | 82.08 | 32.09 | 6.62 | 56.51 | 101 | 113 | Peak |
| 3496 | 32.44 | -21.56 | 54 | 49.56 | 32.7 | 7.3 | 57.12 | 104 | 75 | Average |
| 3496 | 51.59 | -22.41 | 74 | 68.71 | 32.7 | 7.3 | 57.12 | 104 | 75 | Peak |
| 3588 | 33.4 | -20.6 | 54 | 50.48 | 32.73 | 7.39 | 57.2 | 102 | 99 | Average |
| 3588 | 56.63 | -17.37 | 74 | 73.71 | 32.73 | 7.39 | 57.2 | 102 | 99 | Peak |
| 5231 | 92.62 | - | - | 81.72 | 34.51 | 9.35 | 32.96 | 140 | 47 | Average |
| 5231 | 101.91 | - | - | 91.01 | 34.51 | 9.35 | 32.96 | 140 | 47 | Peak |
| 10461 | 44.19 | -29.81 | 74 | 51.74 | 37.37 | 13.72 | 58.64 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 54 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5271 MHz is fundamental signal which can be ignored.<br>2. 1994 MHz, 2192 MHz, 3490 MHz, 4494 MHz, and 10539 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1994 | 35.09 | -18.91 | 54 | 53.68 | 31.76 | 6.27 | 56.62 | 101 | 216 | Average |
| 1994 | 61.06 | -12.94 | 74 | 79.65 | 31.76 | 6.27 | 56.62 | 101 | 216 | Peak |
| 2192 | 38.47 | -15.53 | 54 | 56.27 | 32.09 | 6.62 | 56.51 | 103 | 222 | Average |
| 2192 | 58.72 | -15.28 | 74 | 76.52 | 32.09 | 6.62 | 56.51 | 103 | 222 | Peak |
| 3490 | 34.14 | -19.86 | 54 | 51.24 | 32.7 | 7.3 | 57.1 | 102 | 195 | Average |
| 3490 | 56.86 | -17.14 | 74 | 73.96 | 32.7 | 7.3 | 57.1 | 102 | 195 | Peak |
| 4494 | 38.4 | -15.6 | 54 | 53.28 | 34.1 | 8.45 | 57.43 | 100 | 201 | Average |
| 4494 | 54.94 | -19.06 | 74 | 69.82 | 34.1 | 8.45 | 57.43 | 100 | 201 | Peak |
| 5271 | 91.48 | - | - | 80.4 | 34.59 | 9.44 | 32.95 | 108 | 191 | Average |
| 5271 | 102.41 | - | - | 91.33 | 34.59 | 9.44 | 32.95 | 108 | 191 | Peak |
| 10539 | 44.97 | -29.03 | 74 | 52.48 | 37.43 | 13.72 | 58.66 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 54 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5270 MHz is fundamental signal which can be ignored.<br>2. 1996 MHz, 2190 MHz, 3484 MHz, 3584 MHz, and 10539 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | 37.85 | -16.15 | 54 | 56.25 | 31.9 | 6.32 | 56.62 | 101 | 105 | Average |
| 1996 | 57.25 | -16.75 | 74 | 75.65 | 31.9 | 6.32 | 56.62 | 101 | 105 | Peak |
| 2190 | 40.72 | -13.28 | 54 | 58.52 | 32.09 | 6.62 | 56.51 | 100 | 95 | Average |
| 2190 | 63.32 | -10.68 | 74 | 81.12 | 32.09 | 6.62 | 56.51 | 100 | 95 | Peak |
| 3484 | 32.48 | -21.52 | 54 | 49.58 | 32.7 | 7.3 | 57.1 | 102 | 86 | Average |
| 3484 | 52.84 | -21.16 | 74 | 69.94 | 32.7 | 7.3 | 57.1 | 102 | 86 | Peak |
| 3584 | 33.18 | -20.82 | 54 | 50.26 | 32.73 | 7.39 | 57.2 | 101 | 99 | Average |
| 3584 | 55.65 | -18.35 | 74 | 72.73 | 32.73 | 7.39 | 57.2 | 101 | 99 | Peak |
| 5270 | 93.14 | - | - | 82.06 | 34.59 | 9.44 | 32.95 | 106 | 88 | Average |
| 5270 | 103.44 | - | - | 92.36 | 34.59 | 9.44 | 32.95 | 106 | 88 | Peak |
| 10539 | 46.54 | -27.46 | 74 | 54.05 | 37.43 | 13.72 | 58.66 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 62 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5309 MHz is fundamental signal which can be ignored.<br>2. 2092 MHz, 2198 MHz, 3498 MHz, and 4480 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2092 | 35.36 | -18.64 | 54 | 53.47 | 31.99 | 6.47 | 56.57 | 104 | 226 | Average |
| 2092 | 62.12 | -11.88 | 74 | 80.23 | 31.99 | 6.47 | 56.57 | 104 | 226 | Peak |
| 2198 | 40.61 | -13.39 | 54 | 58.41 | 32.09 | 6.62 | 56.51 | 102 | 201 | Average |
| 2198 | 59.39 | -14.61 | 74 | 77.19 | 32.09 | 6.62 | 56.51 | 102 | 201 | Peak |
| 3498 | 32.44 | -21.56 | 54 | 49.56 | 32.7 | 7.3 | 57.12 | 102 | 226 | Average |
| 3498 | 55.73 | -18.27 | 74 | 72.85 | 32.7 | 7.3 | 57.12 | 102 | 226 | Peak |
| 4480 | 38.72 | -15.28 | 54 | 53.67 | 34.06 | 8.42 | 57.43 | 106 | 165 | Average |
| 4480 | 55.24 | -18.76 | 74 | 70.19 | 34.06 | 8.42 | 57.43 | 106 | 165 | Peak |
| 5309 | 92.1 | - | - | 80.84 | 34.68 | 9.52 | 32.94 | 107 | 190 | Average |
| 5309 | 102.69 | - | - | 91.43 | 34.68 | 9.52 | 32.94 | 107 | 190 | Peak |
| 10620 | 44.8 | -29.2 | 74 | 52.19 | 37.52 | 13.73 | 58.64 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 62 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5311 MHz is fundamental signal which can be ignored.<br>2. 1994 MHz, 2192 MHz, 3486 MHz, and 3588 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1994 | 34.52 | -19.48 | 54 | 53.11 | 31.76 | 6.27 | 56.62 | 101 | 106 | Average |
| 1994 | 61.39 | -12.61 | 74 | 79.98 | 31.76 | 6.27 | 56.62 | 101 | 106 | Peak |
| 2192 | 37.97 | -16.03 | 54 | 55.77 | 32.09 | 6.62 | 56.51 | 106 | 222 | Average |
| 2192 | 64.43 | -9.57 | 74 | 82.23 | 32.09 | 6.62 | 56.51 | 106 | 222 | Peak |
| 3486 | 31.41 | -22.59 | 54 | 48.51 | 32.7 | 7.3 | 57.1 | 100 | 51 | Average |
| 3486 | 51.39 | -22.61 | 74 | 68.49 | 32.7 | 7.3 | 57.1 | 100 | 51 | Peak |
| 3588 | 33.16 | -20.84 | 54 | 50.24 | 32.73 | 7.39 | 57.2 | 102 | 96 | Average |
| 3588 | 54.41 | -19.59 | 74 | 71.49 | 32.73 | 7.39 | 57.2 | 102 | 96 | Peak |
| 5311 | 93.92 | - | - | 82.62 | 34.72 | 9.52 | 32.94 | 115 | 79 | Average |
| 5311 | 103.93 | - | - | 92.63 | 34.72 | 9.52 | 32.94 | 115 | 79 | Peak |
| 10620 | 44.28 | -29.72 | 74 | 51.67 | 37.52 | 13.73 | 58.64 | 100 | 0 | Peak |

| | | | |
|---|---|---|---|
| **Test Mode :** | 802.11n HT40 | **Temperature :** | 22~23°C |
| **Test Channel :** | 102 | **Relative Humidity :** | 41~42% |
| **Test Engineer :** | Gavin Wu | **Polarization :** | Horizontal |
| **Remark :** | 1. 5510 MHz is fundamental signal which can be ignored.<br>2. 2092 MHz, 2192 MHz, 3486 MHz, and 4484 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 35.94 | 33.07 | -6.93 | 40 | 48.52 | 15.82 | 0.59 | 31.86 | - | - | Peak |
| 41.61 | 33.61 | -6.39 | 40 | 52.44 | 12.3 | 0.63 | 31.76 | - | - | Peak |
| 51.25 | 34.56 | -5.44 | 40 | 57.39 | 8.1 | 0.7 | 31.63 | 102 | 222 | Peak |
| 373.5 | 29.74 | -16.26 | 46 | 43.7 | 15.29 | 2.09 | 31.34 | - | - | Peak |
| 498.8 | 34.7 | -11.3 | 46 | 45.09 | 18.06 | 2.44 | 30.89 | - | - | Peak |
| 699.7 | 33.49 | -12.51 | 46 | 40.45 | 20.59 | 2.94 | 30.49 | - | - | Peak |
| 2092 | 36.36 | -17.64 | 54 | 54.47 | 31.99 | 6.47 | 56.57 | 106 | 214 | Average |
| 2092 | 62.75 | -11.25 | 74 | 80.86 | 31.99 | 6.47 | 56.57 | 106 | 214 | Peak |
| 2192 | 37.67 | -16.33 | 54 | 55.47 | 32.09 | 6.62 | 56.51 | 102 | 210 | Average |
| 2192 | 59.98 | -14.02 | 74 | 77.78 | 32.09 | 6.62 | 56.51 | 102 | 210 | Peak |
| 3486 | 32.42 | -21.58 | 54 | 49.52 | 32.7 | 7.3 | 57.1 | 100 | 195 | Average |
| 3486 | 55.45 | -18.55 | 74 | 72.55 | 32.7 | 7.3 | 57.1 | 100 | 195 | Peak |
| 4484 | 38.62 | -15.38 | 54 | 53.57 | 34.06 | 8.42 | 57.43 | 102 | 201 | Average |
| 4484 | 56.92 | -17.08 | 74 | 71.87 | 34.06 | 8.42 | 57.43 | 102 | 201 | Peak |
| 5510 | 91.95 | - | - | 79.79 | 35.2 | 9.86 | 32.9 | 102 | 170 | Average |
| 5510 | 102.39 | - | - | 90.23 | 35.2 | 9.86 | 32.9 | 102 | 170 | Peak |
| 11019 | 43.21 | -30.79 | 74 | 50.07 | 37.92 | 13.76 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 102 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5510 MHz is fundamental signal which can be ignored.<br>2. 1998 MHz, 2200 MHz, 3486 MHz, and 3590 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 36.53 | -3.47 | 40 | 47.87 | 20 | 0.53 | 31.87 | - | - | Peak |
| 44.31 | 41.51 | 1.51 | 40 | 62.09 | 10.5 | 0.65 | 31.73 | 100 | 203 | Peak |
| 44.31 | 36.66 | -3.34 | 40 | 57.24 | 10.5 | 0.65 | 31.73 | 100 | 203 | QP |
| 76.17 | 22.87 | -17.13 | 40 | 46.56 | 7.19 | 0.86 | 31.74 | - | - | Peak |
| 398 | 35.55 | -10.45 | 46 | 48.96 | 15.95 | 2.14 | 31.5 | - | - | Peak |
| 498.1 | 41.52 | -4.48 | 46 | 51.92 | 18.06 | 2.44 | 30.9 | - | - | Peak |
| 597.5 | 32.91 | -13.09 | 46 | 41.06 | 19.75 | 2.68 | 30.58 | - | - | Peak |
| 1998 | 32.84 | -21.16 | 54 | 51.24 | 31.9 | 6.32 | 56.62 | 101 | 85 | Average |
| 1998 | 61.64 | -12.36 | 74 | 80.04 | 31.9 | 6.32 | 56.62 | 101 | 85 | Peak |
| 2200 | 35.81 | -18.19 | 54 | 53.58 | 32.11 | 6.62 | 56.5 | 106 | 97 | Average |
| 2200 | 63.09 | -10.91 | 74 | 80.86 | 32.11 | 6.62 | 56.5 | 106 | 97 | Peak |
| 3486 | 36.48 | -17.52 | 54 | 53.58 | 32.7 | 7.3 | 57.1 | 103 | 86 | Average |
| 3486 | 51.66 | -22.34 | 74 | 68.76 | 32.7 | 7.3 | 57.1 | 103 | 86 | Peak |
| 3590 | 37.04 | -16.96 | 54 | 54.12 | 32.73 | 7.39 | 57.2 | 102 | 126 | Average |
| 3590 | 53.49 | -20.51 | 74 | 70.57 | 32.73 | 7.39 | 57.2 | 102 | 126 | Peak |
| 5510 | 92.94 | - | - | 80.78 | 35.2 | 9.86 | 32.9 | 102 | 73 | Average |
| 5510 | 103.1 | - | - | 90.94 | 35.2 | 9.86 | 32.9 | 102 | 73 | Peak |
| 11019 | 43.41 | -30.59 | 74 | 50.27 | 37.92 | 13.76 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 110 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5549 MHz is fundamental signal which can be ignored.<br>2. 2092 MHz, 2194 MHz, 3498 MHz, and 4498 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2092 | 39.4 | -14.6 | 54 | 57.51 | 31.99 | 6.47 | 56.57 | 102 | 225 | Average |
| 2092 | 60.93 | -13.07 | 74 | 79.04 | 31.99 | 6.47 | 56.57 | 102 | 225 | Peak |
| 2194 | 35.88 | -18.12 | 54 | 53.68 | 32.09 | 6.62 | 56.51 | 100 | 202 | Average |
| 2194 | 60.16 | -13.84 | 74 | 77.96 | 32.09 | 6.62 | 56.51 | 100 | 202 | Peak |
| 3498 | 36.12 | -17.88 | 54 | 53.24 | 32.7 | 7.3 | 57.12 | 104 | 221 | Average |
| 3498 | 55.36 | -18.64 | 74 | 72.48 | 32.7 | 7.3 | 57.12 | 104 | 221 | Peak |
| 4498 | 34.74 | -19.26 | 54 | 49.62 | 34.1 | 8.45 | 57.43 | 101 | 198 | Average |
| 4498 | 55.19 | -18.81 | 74 | 70.07 | 34.1 | 8.45 | 57.43 | 101 | 198 | Peak |
| 5549 | 92.64 | - | - | 80.49 | 35.23 | 9.9 | 32.98 | 100 | 174 | Average |
| 5549 | 103.01 | - | - | 90.86 | 35.23 | 9.9 | 32.98 | 100 | 174 | Peak |
| 11100 | 42.75 | -31.25 | 74 | 49.42 | 38 | 13.87 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 110 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5551 MHz is fundamental signal which can be ignored.<br>2. 1994 MHz, 2096 MHz, 3490 MHz, and 3588 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1994 | 33.94 | -20.06 | 54 | 52.53 | 31.76 | 6.27 | 56.62 | 105 | 77 | Average |
| 1994 | 58.8 | -15.2 | 74 | 77.39 | 31.76 | 6.27 | 56.62 | 105 | 77 | Peak |
| 2096 | 36.46 | -17.54 | 54 | 54.57 | 31.99 | 6.47 | 56.57 | 101 | 106 | Average |
| 2096 | 60.68 | -13.32 | 74 | 78.79 | 31.99 | 6.47 | 56.57 | 101 | 106 | Peak |
| 3490 | 37.05 | -16.95 | 54 | 54.15 | 32.7 | 7.3 | 57.1 | 102 | 53 | Average |
| 3490 | 52.15 | -21.85 | 74 | 69.25 | 32.7 | 7.3 | 57.1 | 102 | 53 | Peak |
| 3588 | 39.7 | -14.3 | 54 | 56.78 | 32.73 | 7.39 | 57.2 | 100 | 85 | Average |
| 3588 | 54.65 | -19.35 | 74 | 71.73 | 32.73 | 7.39 | 57.2 | 100 | 85 | Peak |
| 5551 | 94.2 | - | - | 82.05 | 35.23 | 9.9 | 32.98 | 101 | 74 | Average |
| 5551 | 103.92 | - | - | 91.77 | 35.23 | 9.9 | 32.98 | 101 | 74 | Peak |
| 11100 | 43.06 | -30.94 | 74 | 49.73 | 38 | 13.87 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 134 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Horizontal |
| Remark : | 1. 5669 MHz is fundamental signal which can be ignored.<br>2. 2096 MHz, 2196 MHz, 3498 MHz, and 4486 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2096 | 34.15 | -19.85 | 54 | 52.26 | 31.99 | 6.47 | 56.57 | 101 | 198 | Average |
| 2096 | 60.95 | -13.05 | 74 | 79.06 | 31.99 | 6.47 | 56.57 | 101 | 198 | Peak |
| 2196 | 32.46 | -21.54 | 54 | 50.26 | 32.09 | 6.62 | 56.51 | 105 | 222 | Average |
| 2196 | 59.69 | -14.31 | 74 | 77.49 | 32.09 | 6.62 | 56.51 | 105 | 222 | Peak |
| 3498 | 33.14 | -20.86 | 54 | 50.26 | 32.7 | 7.3 | 57.12 | 105 | 216 | Average |
| 3498 | 57.19 | -16.81 | 74 | 74.31 | 32.7 | 7.3 | 57.12 | 105 | 216 | Peak |
| 4486 | 37.3 | -16.7 | 54 | 52.25 | 34.06 | 8.42 | 57.43 | 101 | 205 | Average |
| 4486 | 55.58 | -18.42 | 74 | 70.53 | 34.06 | 8.42 | 57.43 | 101 | 205 | Peak |
| 5669 | 93.66 | - | - | 81.54 | 35.3 | 10 | 33.18 | 100 | 171 | Average |
| 5669 | 103.93 | - | - | 91.81 | 35.3 | 10 | 33.18 | 100 | 171 | Peak |
| 11340 | 43.6 | -30.4 | 74 | 49.75 | 38.23 | 14.16 | 58.54 | 100 | 0 | Peak |

| Test Mode : | 802.11n HT40 | Temperature : | 22~23°C |
|---|---|---|---|
| Test Channel : | 134 | Relative Humidity : | 41~42% |
| Test Engineer : | Gavin Wu | Polarization : | Vertical |
| Remark : | 1. 5672 MHz is fundamental signal which can be ignored.<br>2. 2096 MHz, 2190 MHz, 3492 MHz, and 3592 MHz are not within a restricted band and satisfies both the average and peak limits of 15.209.<br>3. Average measurement was not performed if peak level went lower than the average limit. | | |

| Frequency ( MHz ) | Level ( dBµV/m ) | Over Limit ( dB ) | Limit Line ( dBµV/m ) | Read Level (dBµV) | Antenna Factor ( dB ) | Cable Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 2096 | 41.47 | -12.53 | 54 | 59.58 | 31.99 | 6.47 | 56.57 | 102 | 105 | Average |
| 2096 | 57.91 | -16.09 | 74 | 76.02 | 31.99 | 6.47 | 56.57 | 102 | 105 | Peak |
| 2190 | 38.41 | -15.59 | 54 | 56.21 | 32.09 | 6.62 | 56.51 | 100 | 78 | Average |
| 2190 | 63.42 | -10.58 | 74 | 81.22 | 32.09 | 6.62 | 56.51 | 100 | 78 | Peak |
| 3492 | 31.43 | -22.57 | 54 | 48.55 | 32.7 | 7.3 | 57.12 | 101 | 65 | Average |
| 3492 | 50.65 | -23.35 | 74 | 67.77 | 32.7 | 7.3 | 57.12 | 101 | 65 | Peak |
| 3592 | 33.18 | -20.82 | 54 | 50.26 | 32.73 | 7.39 | 57.2 | 100 | 88 | Average |
| 3592 | 55.22 | -18.78 | 74 | 72.3 | 32.73 | 7.39 | 57.2 | 100 | 88 | Peak |
| 5672 | 95.21 | - | - | 83.09 | 35.3 | 10 | 33.18 | 108 | 70 | Average |
| 5672 | 105.3 | - | - | 93.18 | 35.3 | 10 | 33.18 | 108 | 70 | Peak |
| 11340 | 43.28 | -30.72 | 74 | 49.43 | 38.23 | 14.16 | 58.54 | 100 | 0 | Peak |

## 3.3 Automatically Discontinue Transmission

### 3.3.1 Limit of Automatically Discontinue Transmission

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.

### 3.3.2 Measuring Instruments

See list of measuring instruments of this test report.

### 3.3.3 Test Result of Automatically Discontinue Transmission

During no any information transmission, 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.

## 3.4 Antenna Requirements

### 3.4.1 Standard Applicable

According to FCC 47 CFR Section 15.407(a)(1)(2) ,if transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 3.4.2 Antenna Connected Construction

Non-standard connector used.

### 3.4.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit. The EUT supports MIMO mode. The composite antenna gain is as following table.

| | 5180 MHz ~ 5240 MHz | 5260 MHz ~ 5320 MHz | 5500 MHz ~ 5700 MHz |
|---|---|---|---|
| **Composite gain (dBi)** | 3.82 | 1.60 | 1.08 |

# 4 List of Measuring Equipments

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---|---|---|---|---|---|---|---|---|
| Spectrum Analyzer | R&S | FSP40 | 100055 | 9kHz~40GHz | Jun. 06, 2012 | Dec. 18, 2012 | Jun. 05, 2013 | Conducted (TH02-HY) |
| Power Meter | Anritsu | ML2495A | 1036004 | 300MHz~40GHz | Sep. 08, 2012 | Dec. 18, 2012 | Sep. 07, 2013 | Conducted (TH02-HY) |
| Power Sensor | Anritsu | MA2411B | 1027253 | 300MHz~40GHz | Sep. 08, 2012 | Dec. 18, 2012 | Sep. 07, 2013 | Conducted (TH02-HY) |
| Bilog Antenna | Schaffner | CBL6111C | 2726 | 30MHz ~ 1GHz | Oct. 06, 2012 | Dec. 20, 2012 ~ Dec. 28, 2012 | Oct. 05, 2013 | Radiation (03CH07-HY) |
| Spectrum Analyzer | Rohde & Schwarz | FSP30 | 101067 | 9KHz ~ 30GHz | Nov. 30, 2012 | Dec. 20, 2012 ~ Dec. 28, 2012 | Nov. 29, 2013 | Radiation (03CH07-HY) |
| Double Ridge Horn Antenna | ESCO | 3117 | 00075962 | 1GHz ~ 18GHz | Aug. 22, 2012 | Dec. 20, 2012 ~ Dec. 28, 2012 | Aug. 21, 2013 | Radiation (03CH07-HY) |
| Preamplifier | Agilent | 8449B | 3008A02362 | 1GHz~ 26.5GHz | Dec. 01, 2012 | Dec. 20, 2012 ~ Dec. 28, 2012 | Nov. 30, 2013 | Radiation (03CH07-HY) |
| Pre Amplifier | MITEQ | AMF-7D-0010 1800-30-10P | 159088 | 1GHz ~ 18GHz | Mar. 10, 2012 | Dec. 20, 2012 ~ Dec. 28, 2012 | Mar. 09, 2013 | Radiation (03CH07-HY) |
| Pre Amplifier | COM-POWER | PA-103A | 161241 | 10-1000MHz. 32dB.GAIN | Feb. 27, 2012 | Dec. 20, 2012 ~ Dec. 28, 2012 | Feb. 26, 2013 | Radiation (03CH07-HY) |
| EMI Test Receiver | Rohde & Schwarz | ESCI 7 | 100724 | 9kHz~7GHz | Sep. 03, 2012 | Dec. 20, 2012 ~ Dec. 28, 2012 | Sep. 02, 2013 | Radiation (03CH07-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK | BBHA 9170 | BBHA9170251 | 15GHz ~ 40GHz | Sep. 28, 2012 | Dec. 20, 2012 ~ Dec. 28, 2012 | Sep. 27, 2013 | Radiation (03CH07-HY) |
| Loop Antenna | R&S | HFH2-Z2 | 860004/001 | 9KHz ~ 30MHz | Jul. 03, 2012 | Dec. 20, 2012 ~ Dec. 28, 2012 | Jul. 02, 2013 | Radiation (03CH07-HY) |

# 5 Uncertainty of Evaluation

**Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **2.26** |

**Uncertainty of Radiated Emission Measurement (30MHz ~ 1000MHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **2.54** |

**Uncertainty of Radiated Emission Measurement (1GHz ~ 40GHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **4.72** |

# Appendix A. Photographs of EUT

Please refer to Sporton report number EP2D0508-01 as below.