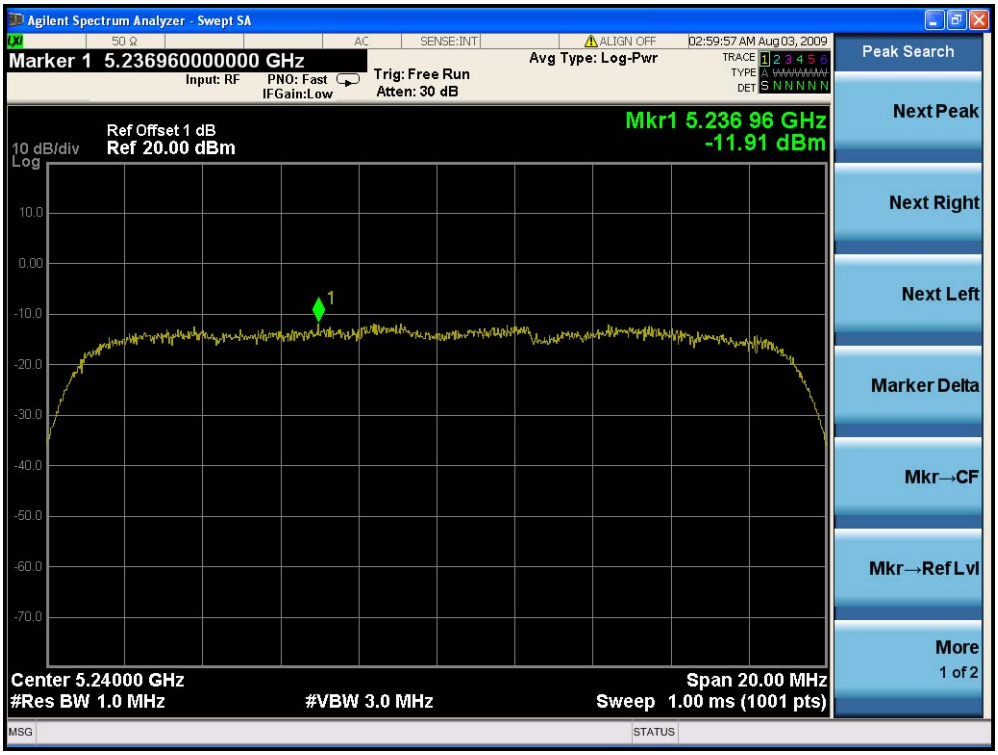
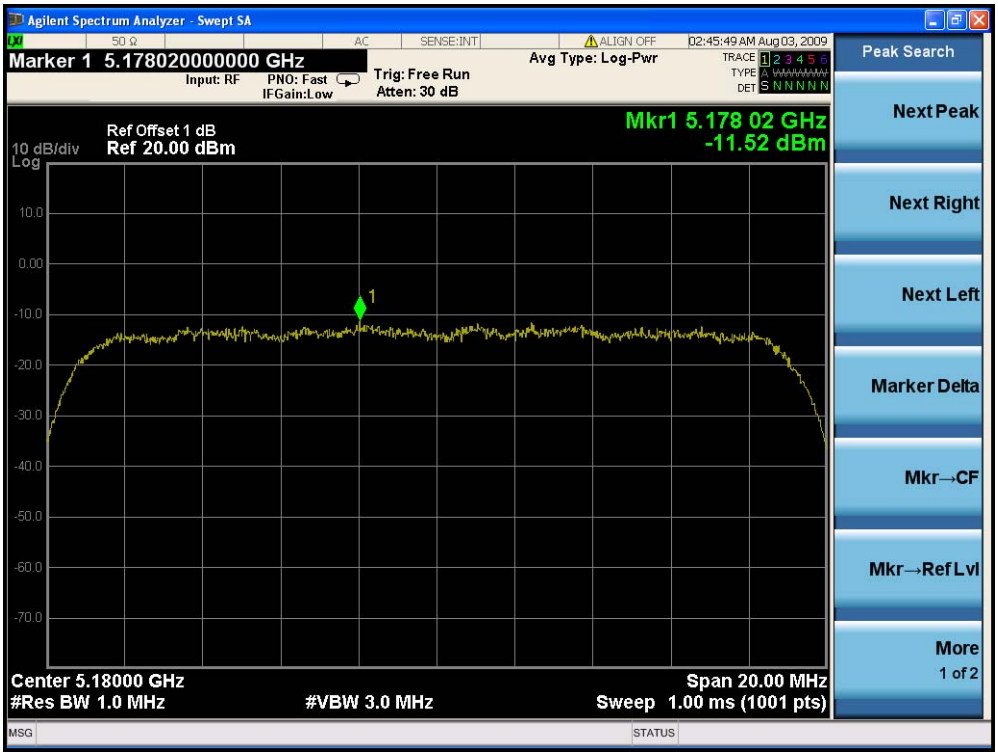
**Channel 48 (5240MHz) - Chain B**

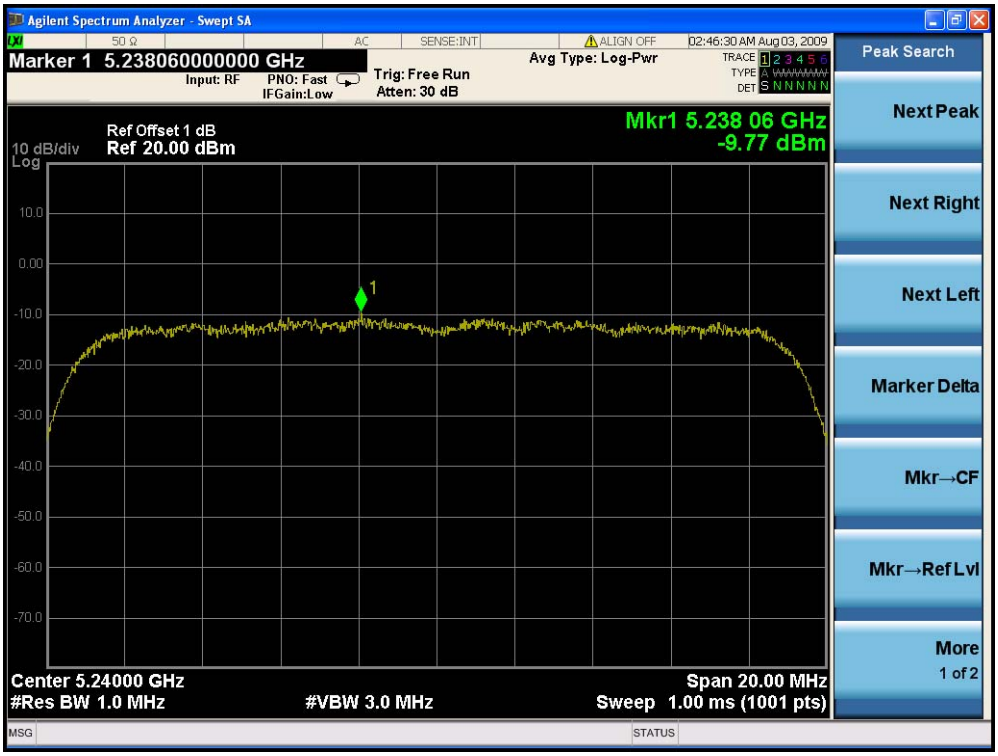



**Channel 36 (5180MHz) - Chain C**




**Channel 40 (5200MHz) - Chain C**

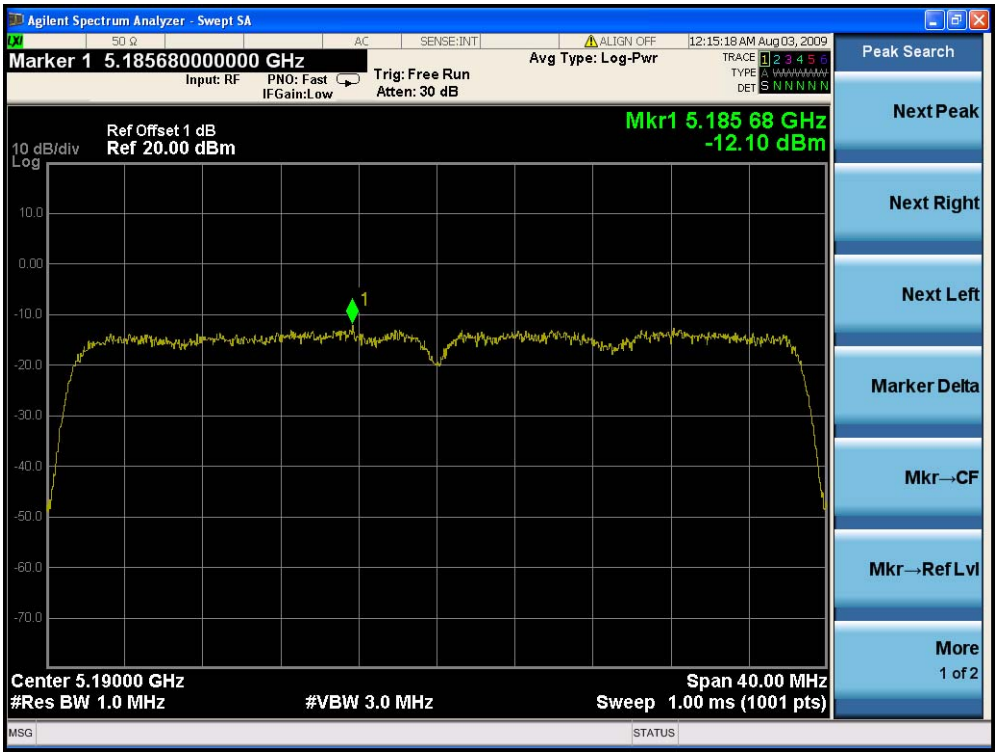

**Channel 48 (5240MHz) - Chain C**



| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Power Output |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 3: Transmit by 802.11n (40MHz Bandwidth) (Chain A) |

| Channel No. | Frequency (MHz) | Measurement PPSD (dBm/MHz) | | | Total PPSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|---|---|---|---|---|---|---|---|
| | | Chain A | Chain B | Chain C | | | |
| 38 | 5190 | -12.10 | N/A | N/A | -12.10 | 4 | Pass |
| 46 | 5230 | -11.83 | N/A | N/A | -11.83 | 4 | Pass |

**Channel 38 (5190MHz)**

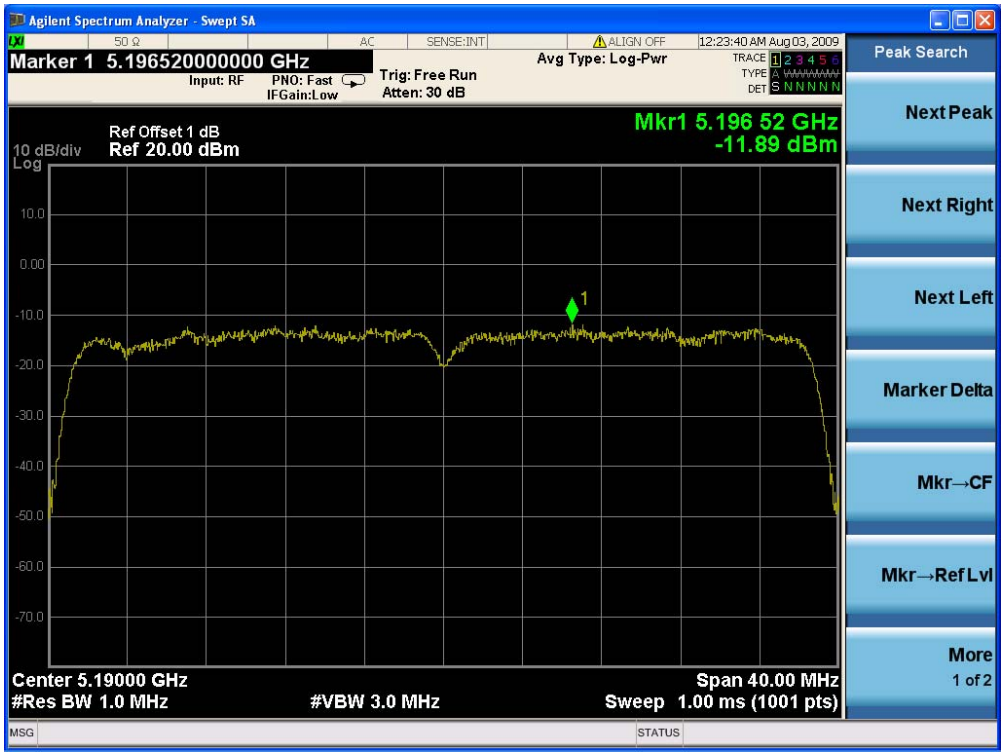


**Channel 46 (5230MHz)**

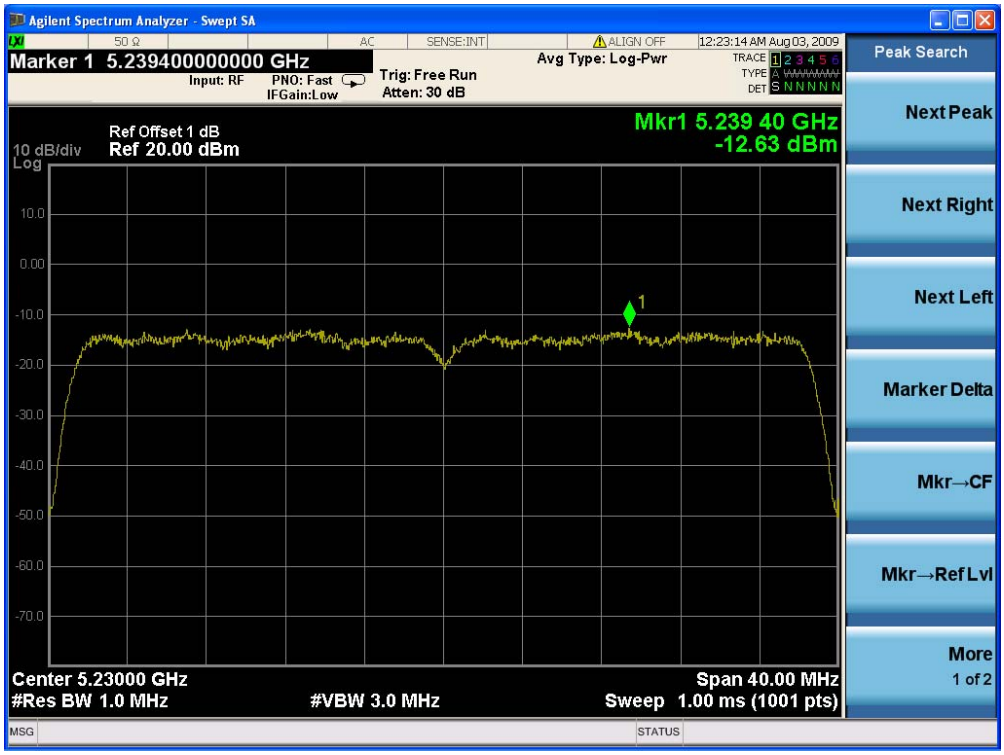
| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Power Output |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 3: Transmit by 802.11n (40MHz Bandwidth) (Chain B) |

| Channel No. | Frequency (MHz) | Measurement PPSD (dBm/MHz) | | | Total PPSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|---|---|---|---|---|---|---|---|
| | | Chain A | Chain B | Chain C | | | |
| 38 | 5190 | N/A | -11.89 | N/A | -11.89 | 4 | Pass |
| 46 | 5230 | N/A | -12.63 | N/A | -12.63 | 4 | Pass |

**Channel 38 (5190MHz)**



**Channel 46 (5230MHz)**

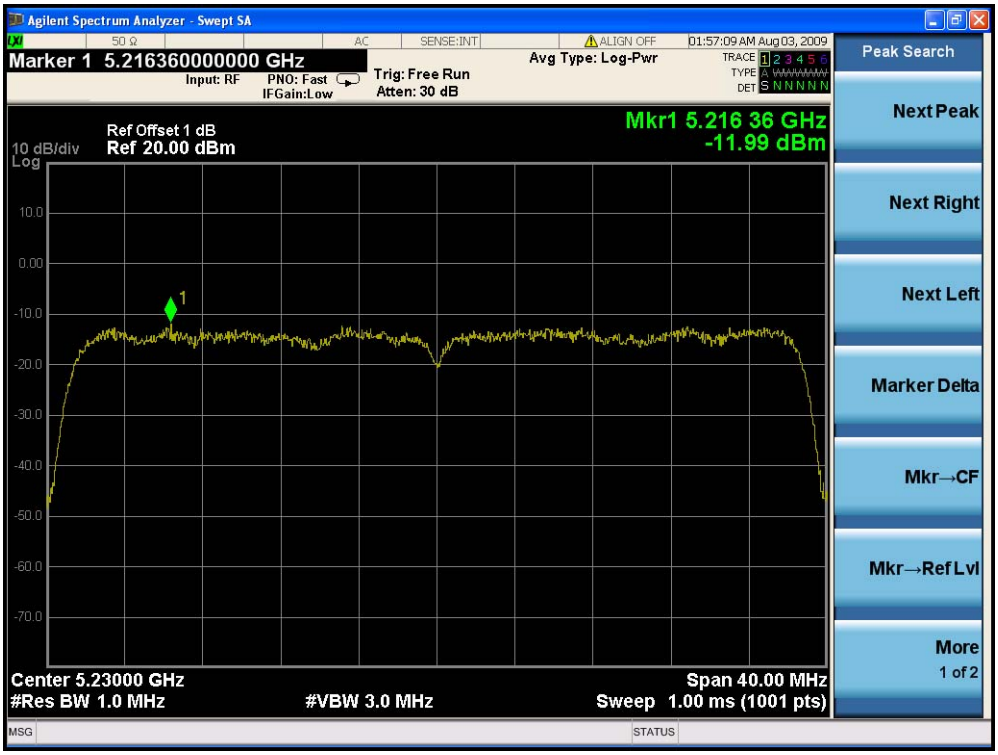


| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Power Output |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 3: Transmit by 802.11n (40MHz Bandwidth) (Chain C) |

| Channel No. | Frequency (MHz) | Measurement PPSD (dBm/MHz) | | | Total PPSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|---|---|---|---|---|---|---|---|
| | | Chain A | Chain B | Chain C | | | |
| 38 | 5190 | N/A | N/A | -11.98 | -11.98 | 4 | Pass |
| 46 | 5230 | N/A | N/A | -11.99 | -11.99 | 4 | Pass |

**Channel 38 (5190MHz)**

**Channel 46 (5230MHz)**

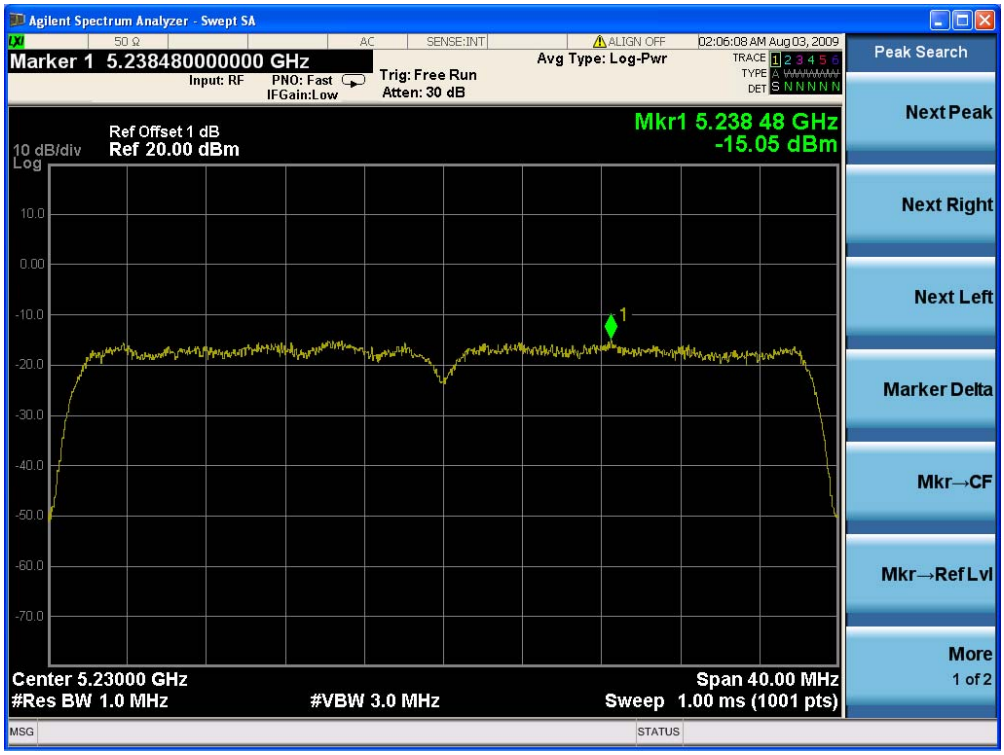


| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Power Output |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 3: Transmit by 802.11n (40MHz Bandwidth) (Chain A+B) |

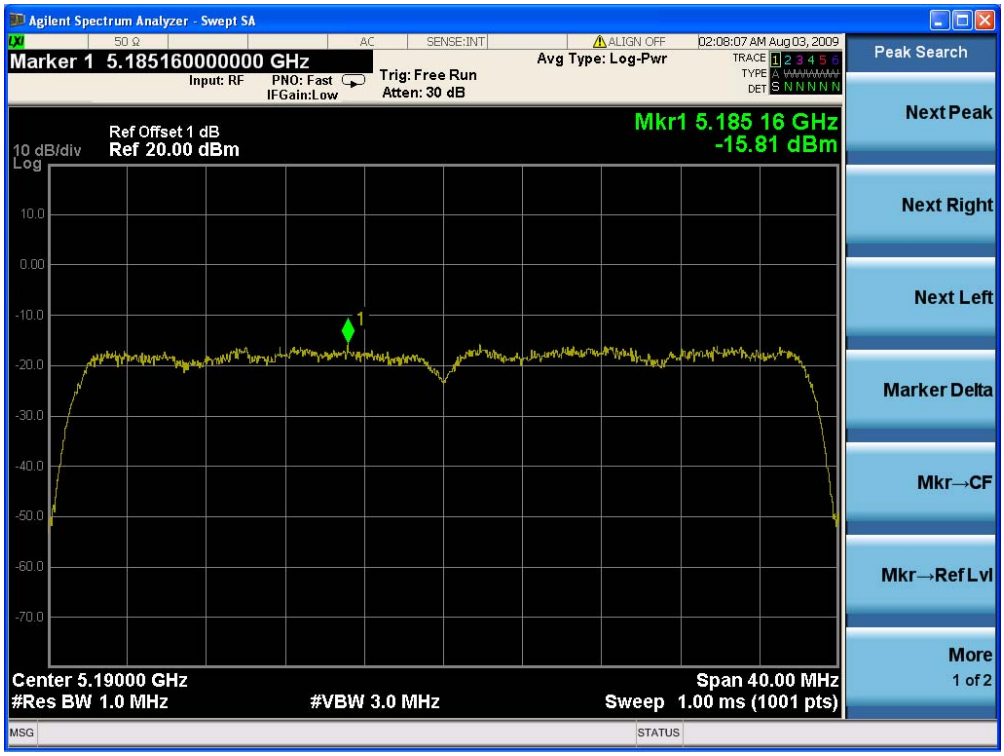
| Channel No. | Frequency (MHz) | Measurement PPSD (dBm/MHz) | | | Total PPSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|---|---|---|---|---|---|---|---|
| | | Chain A | Chain B | Chain C | | | |
| 38 | 5190 | -14.65 | -15.81 | N/A | -12.18 | 4 | Pass |
| 46 | 5230 | -15.05 | -16.64 | N/A | -12.76 | 4 | Pass |

**Channel 38 (5190MHz) - Chain A**

## Channel 46 (5230MHz) - Chain A




## Channel 38 (5190MHz) - Chain B

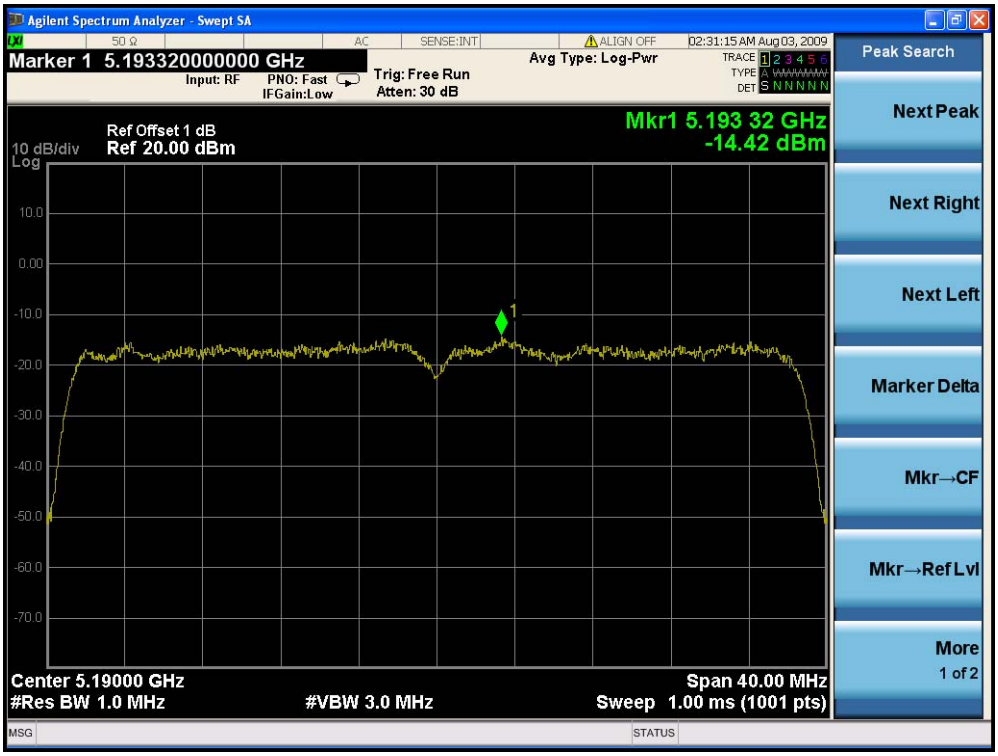


## Channel 46 (5230MHz) - Chain B

| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Power Output |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 3: Transmit by 802.11n (40MHz Bandwidth) (Chain A+C) |

| Channel No. | Frequency (MHz) | Measurement PPSD (dBm/MHz) | | | Total PPSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|---|---|---|---|---|---|---|---|
| | | Chain A | Chain B | Chain C | | | |
| 38 | 5190 | -14.42 | N/A | -15.94 | -12.10 | 4 | Pass |
| 46 | 5230 | -14.37 | N/A | -15.36 | -11.83 | 4 | Pass |

**Channel 38 (5190MHz) - Chain A**



## Channel 46 (5230MHz) - Chain A


## Channel 38 (5190MHz) - Chain C

## Channel 46 (5230MHz) - Chain C

| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Power Output |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 3: Transmit by 802.11n (40MHz Bandwidth) (Chain B+C) |

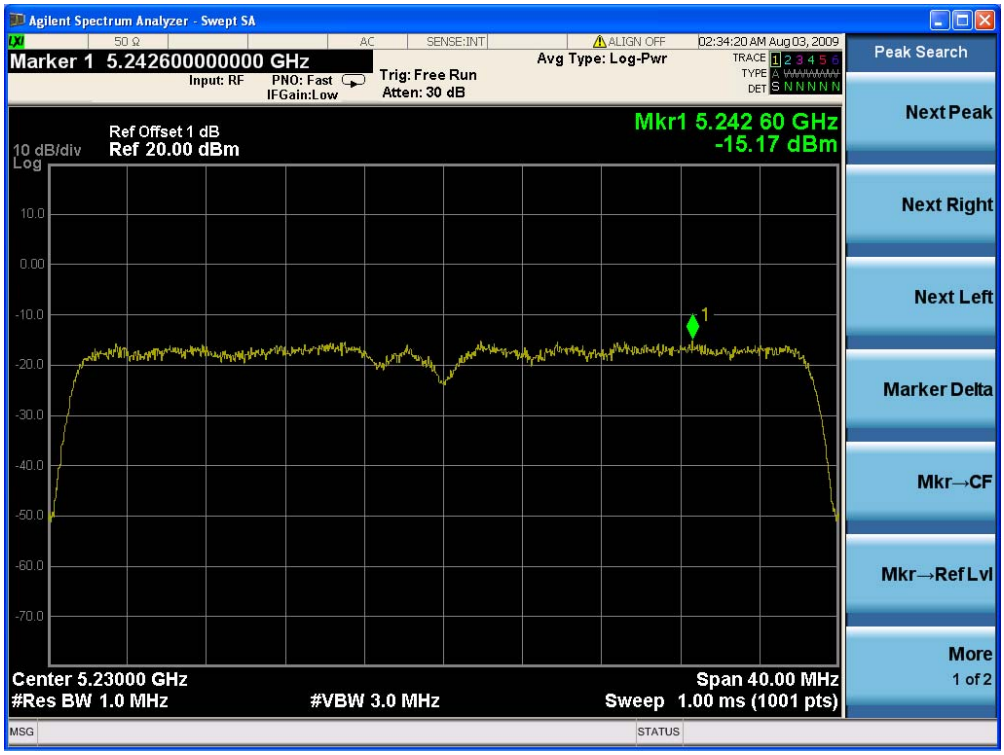
| Channel No. | Frequency (MHz) | Measurement PPSD (dBm/MHz) | | | Total PPSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|---|---|---|---|---|---|---|---|
| | | Chain A | Chain B | Chain C | | | |
| 38 | 5190 | N/A | -15.07 | -15.78 | -12.40 | 4 | Pass |
| 46 | 5230 | N/A | -14.78 | -15.17 | -11.96 | 4 | Pass |

**Channel 38 (5190MHz) - Chain B**

## Channel 46 (5230MHz) - Chain B


## Channel 38 (5190MHz) - Chain C

## Channel 46 (5230MHz) - Chain C

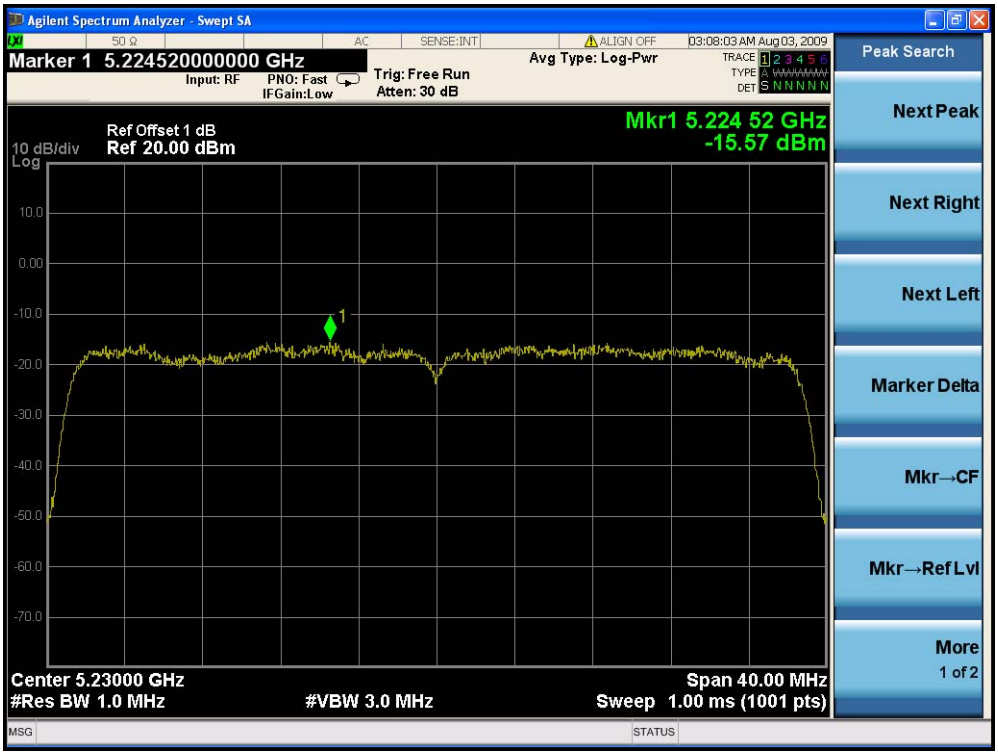


| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Power Output |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 3: Transmit by 802.11n (40MHz Bandwidth) (Chain A+B+C) |

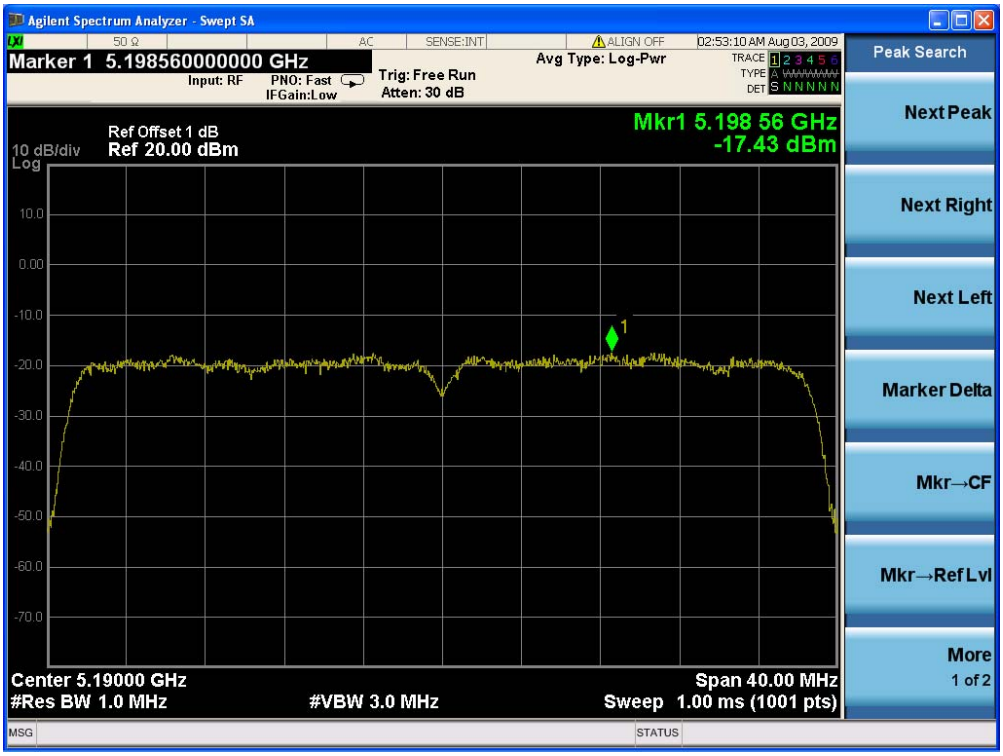
| Channel No. | Frequency (MHz) | Measurement PPSD (dBm/MHz) | | | Total PPSD (dBm/MHz) | Limit (dBm/MHz) | Result |
|---|---|---|---|---|---|---|---|
| | | Chain A | Chain B | Chain C | | | |
| 38 | 5190 | -16.04 | -17.43 | -16.87 | -11.97 | 4 | Pass |
| 46 | 5230 | -15.57 | -17.62 | -15.78 | -11.46 | 4 | Pass |

**Channel 38 (5190MHz) - Chain A**

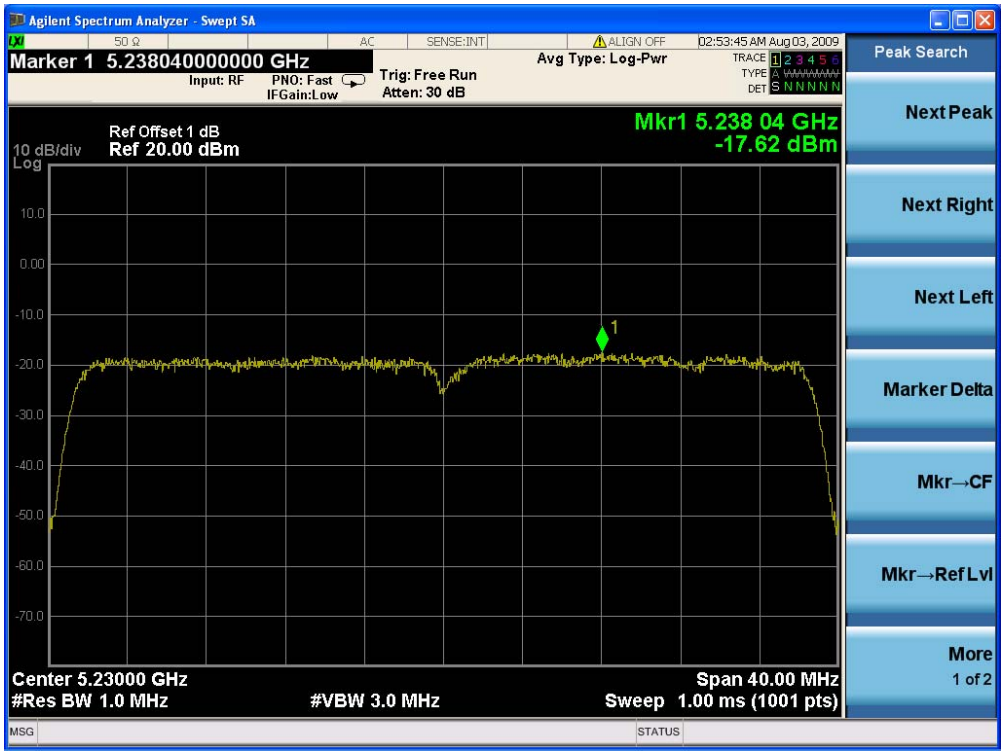
## Channel 46 (5230MHz) - Chain A



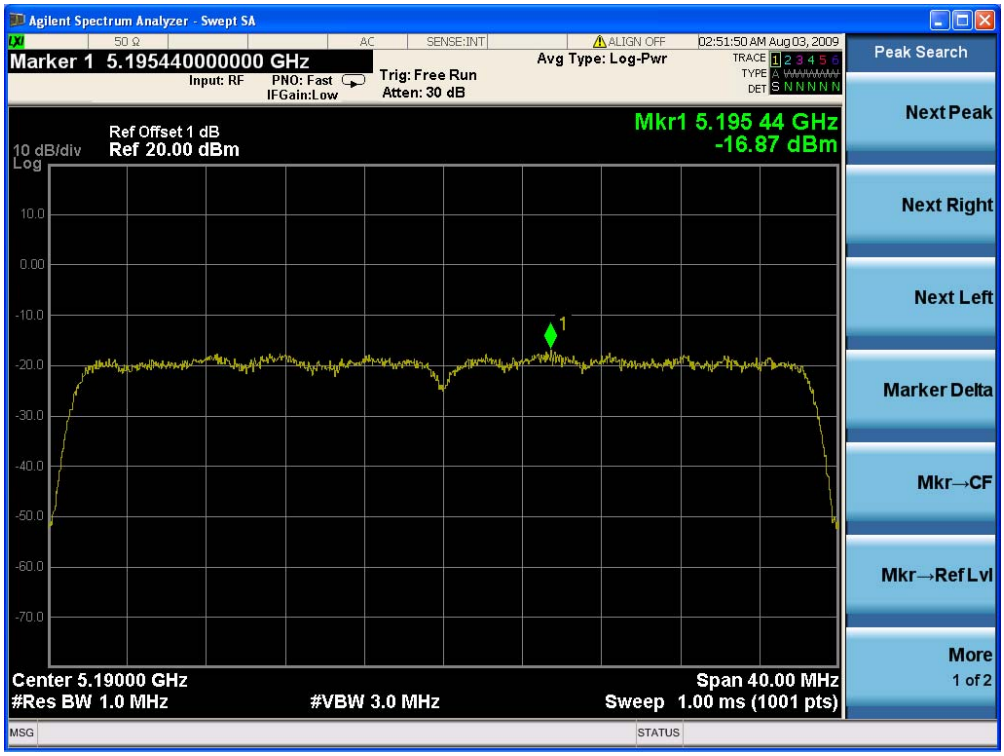

## Channel 38 (5190MHz) - Chain B



## Channel 46 (5230MHz) - Chain B




## Channel 38 (5190MHz) - Chain C



## Channel 46 (5230MHz) - Chain C

# 9. Peak Excursion

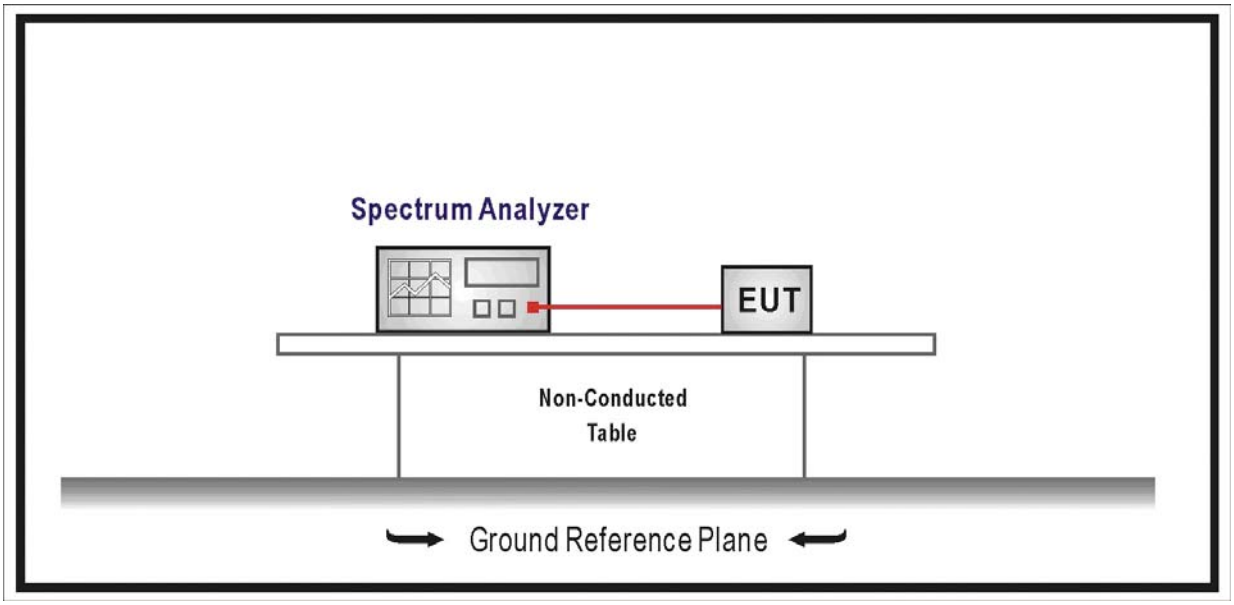
## 9.1. Test Equipment

Peak Excursion / AC-6

| Instrument | Manufacturer | Type No. | Serial No. | Cal. Date |
|---|---|---|---|---|
| Spectrum Analyzer | Agilent | E4446A | MY45300103 | 2009/06/11 |
| Coaxial Cable | Huber+Suhner | AC4-RF | 09 | 2008/11/25 |
| Temperature/Humidity Meter | zhicheng | ZC1-2 | QT-TH007 | 2009/03/30 |

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

## 9.2. Test Setup




## 9.3. Limit

The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the maximum conducted output power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

## 9.4. Test Procedure

The EUT was tested according to FCC Public Notice DA 02-2138, August 30, 2002 for compliance to FCC 47CFR 15.407 requirements.
Set the spectrum analyzer span to view the entire emission bandwidth. The largest difference between the following two traces must be ≤ 13 dB for all frequencies across the emission bandwidth.

- 1st Trace: Set RBW = 1 MHz, VBW ≥ 3 MHz with peak detector and maxhold settings.
- 2nd Trace: Set RBW = 1 MHz, VBW = 30 kHz with peak detector and maxhold settings.

## 9.5. Uncertainty

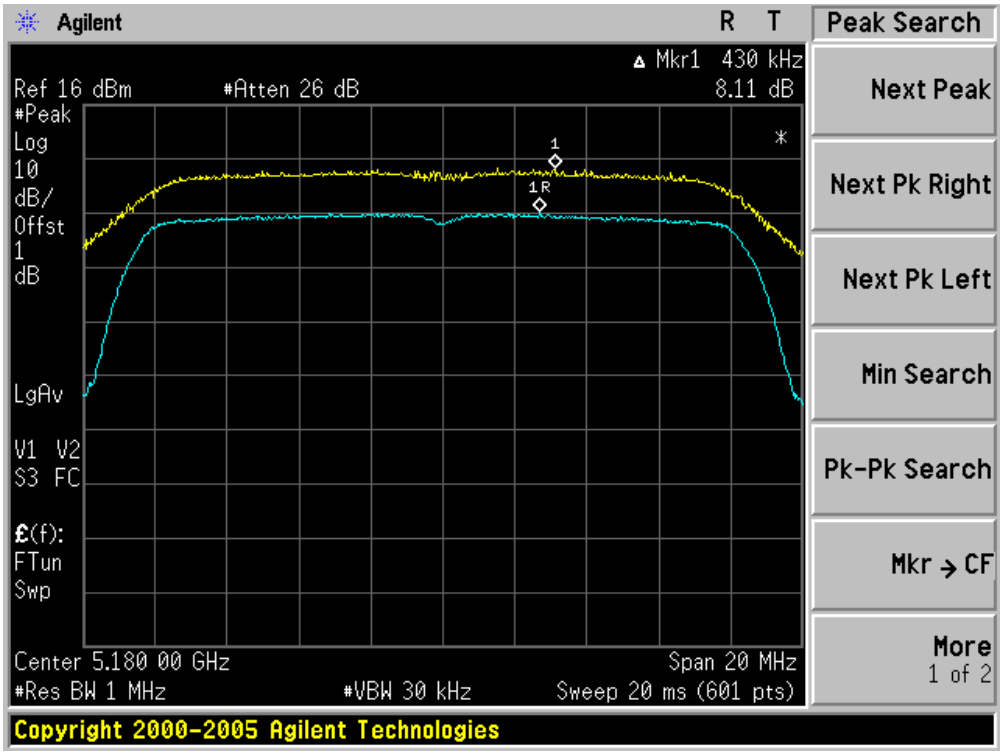
The measurement uncertainty is defined as ± 1.27 dB

## 9.6. Test Result

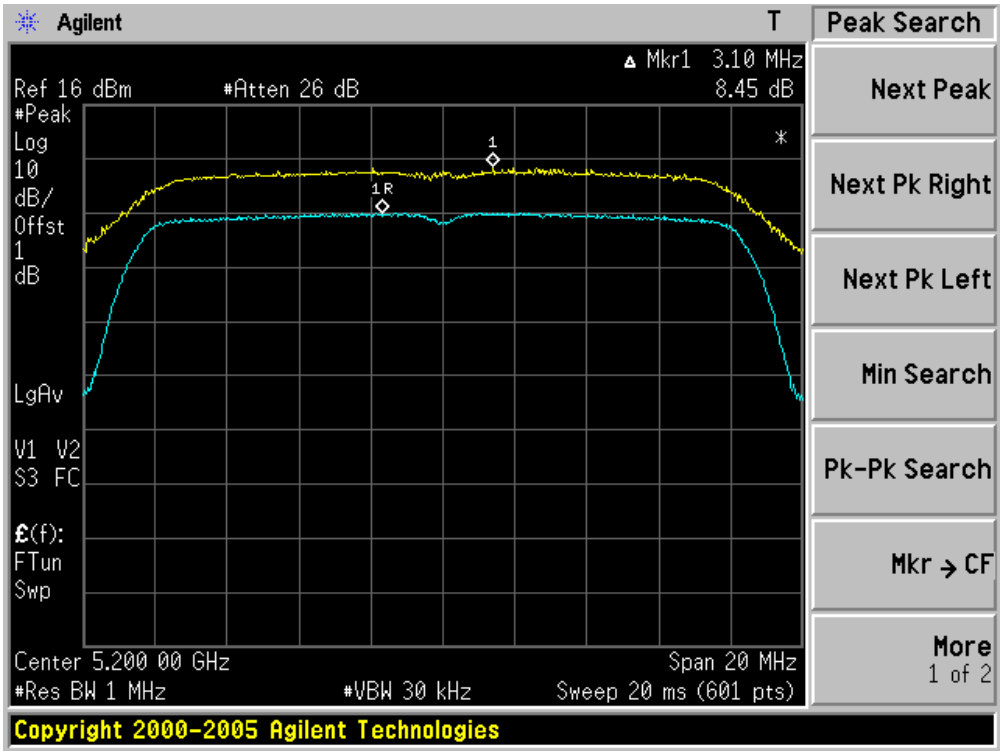
| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Peak Excursion |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 1: Transmit by 802.11a (Chain A) |

| Channel No. | Frequency (MHz) | Peak Excursion (dB) | Limit (dB) | Result |
|---|---|---|---|---|
| 36 | 5180 | 8.11 | 13 | Pass |
| 40 | 5200 | 8.45 | 13 | Pass |
| 48 | 5240 | 8.17 | 13 | Pass |

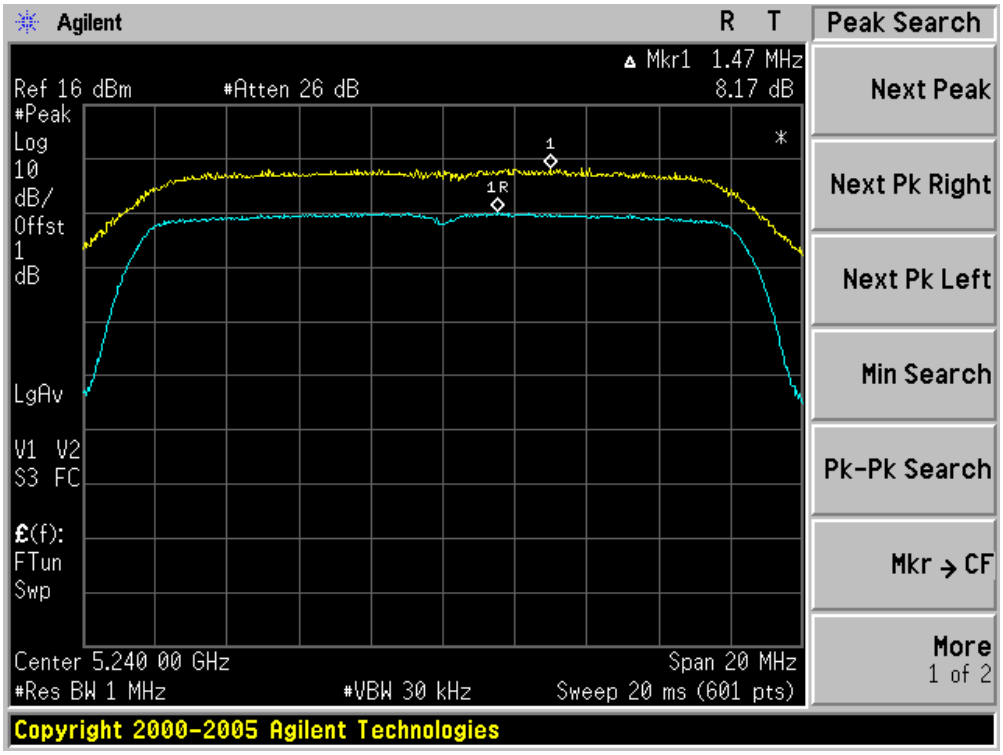
**Channel 36 (5180MHz)**



**Channel 40 (5200MHz)**



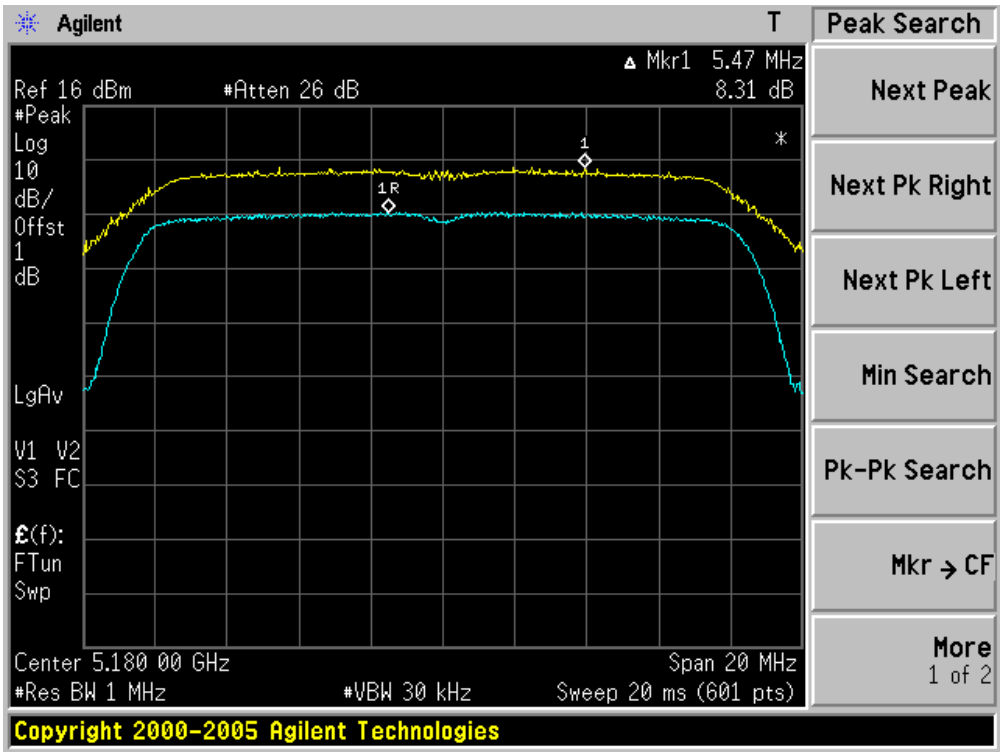

**Channel 48 (5240MHz)**



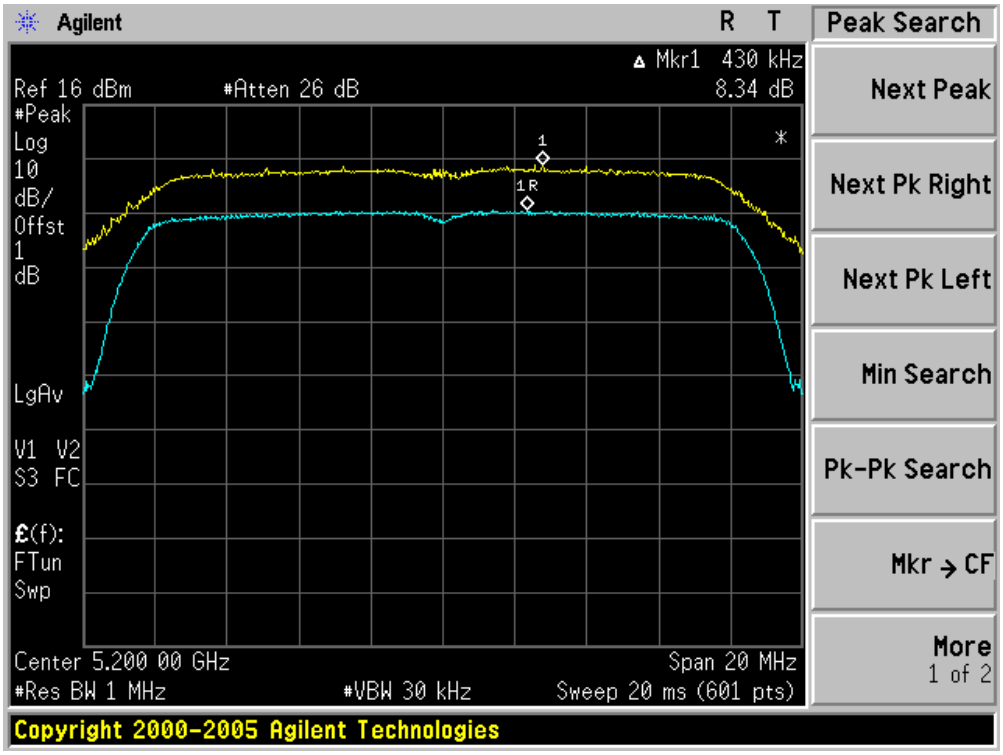
| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Peak Excursion |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 1: Transmit by 802.11a (Chain B) |

| Channel No. | Frequency (MHz) | Peak Excursion (dB) | Limit (dB) | Result |
|---|---|---|---|---|
| 36 | 5180 | 8.31 | 13 | Pass |
| 40 | 5200 | 8.34 | 13 | Pass |
| 48 | 5240 | 8.03 | 13 | Pass |

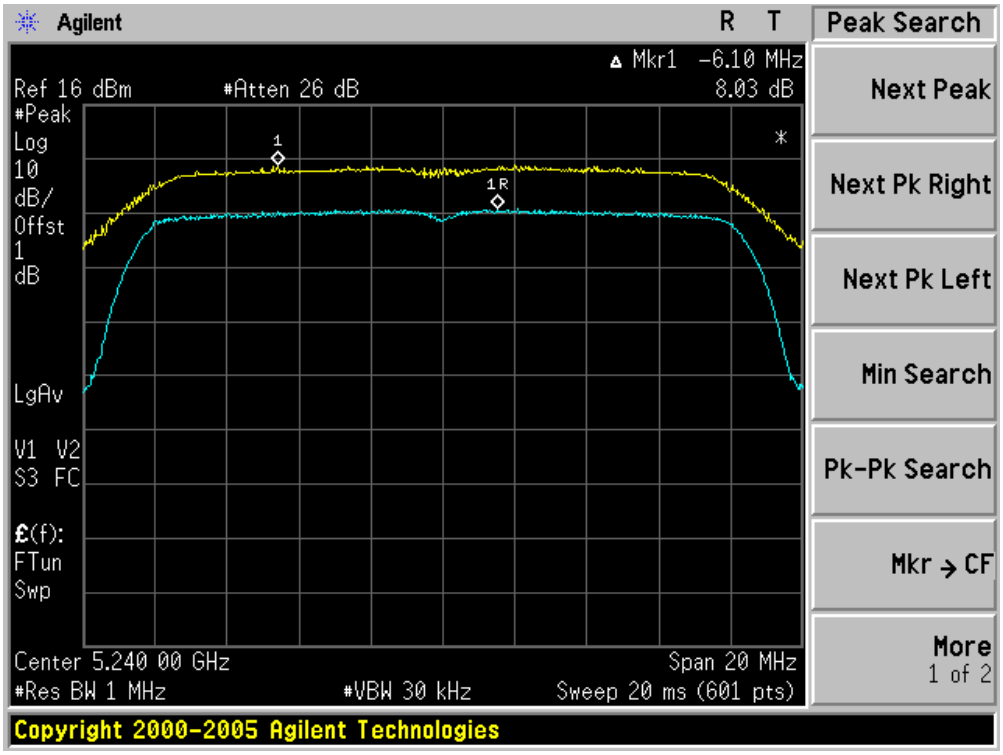
**Channel 36 (5180MHz)**



**Channel 40 (5200MHz)**



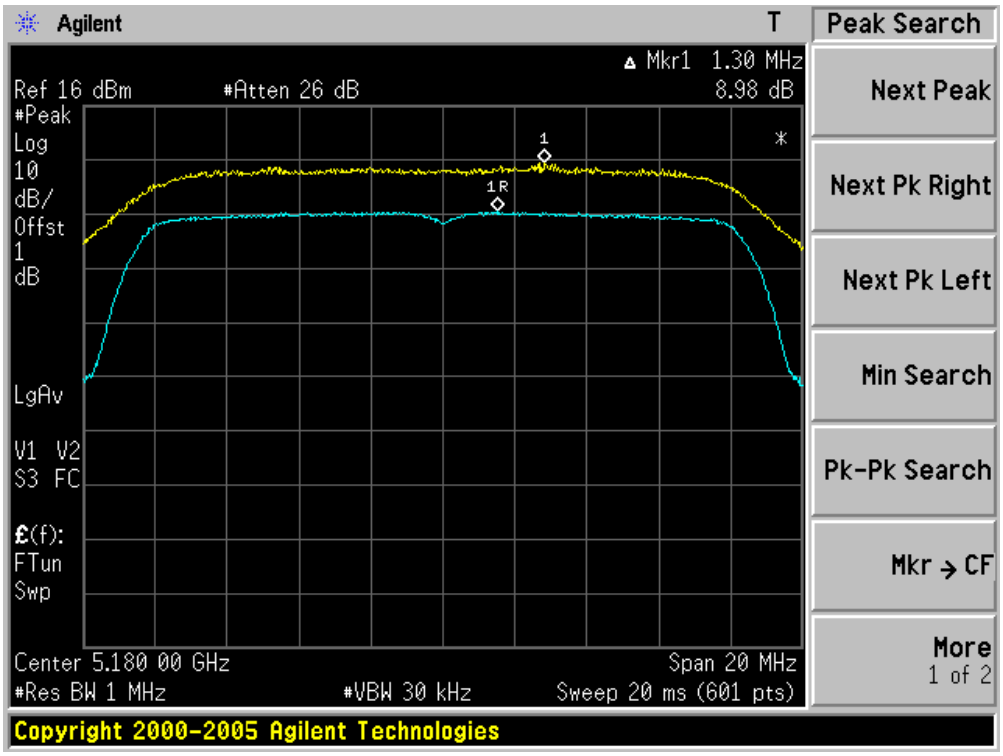

**Channel 48 (5240MHz)**



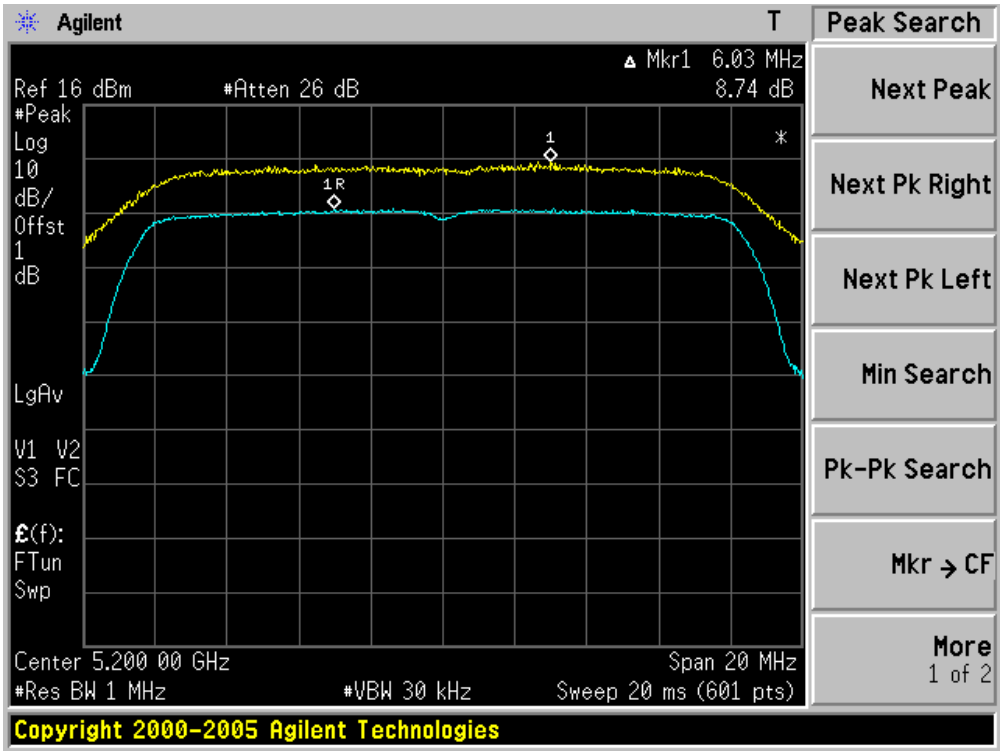
| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Peak Excursion |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 1: Transmit by 802.11a (Chain C) |

| Channel No. | Frequency (MHz) | Peak Excursion (dB) | Limit (dB) | Result |
|---|---|---|---|---|
| 36 | 5180 | 8.98 | 13 | Pass |
| 40 | 5200 | 8.74 | 13 | Pass |
| 48 | 5240 | 8.70 | 13 | Pass |

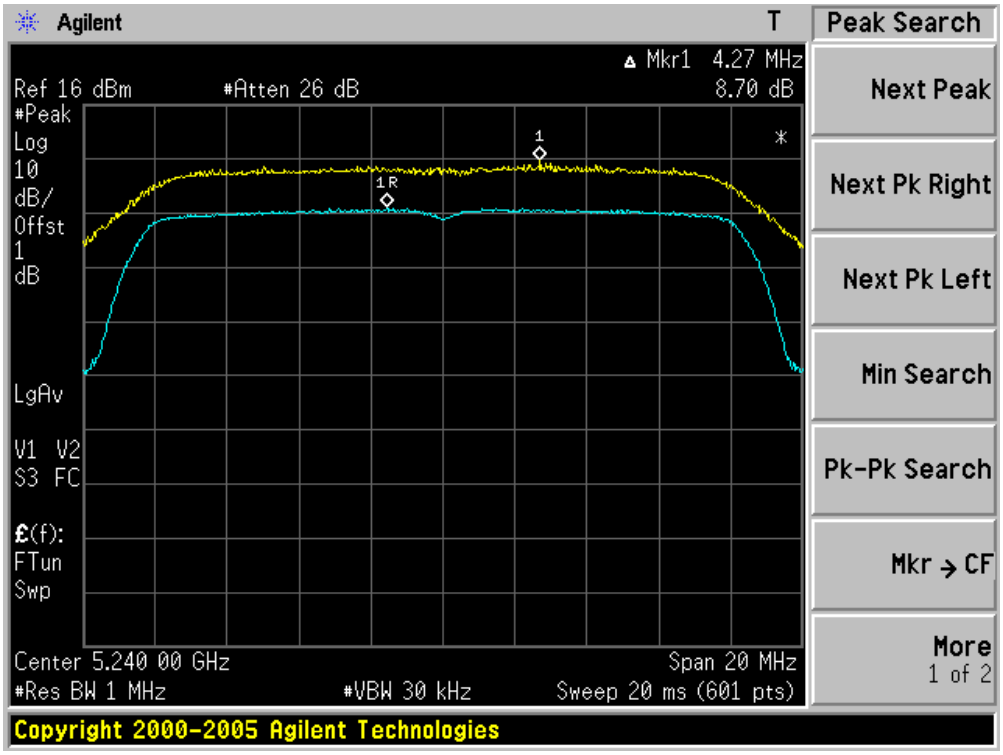
**Channel 36 (5180MHz)**



**Channel 40 (5200MHz)**



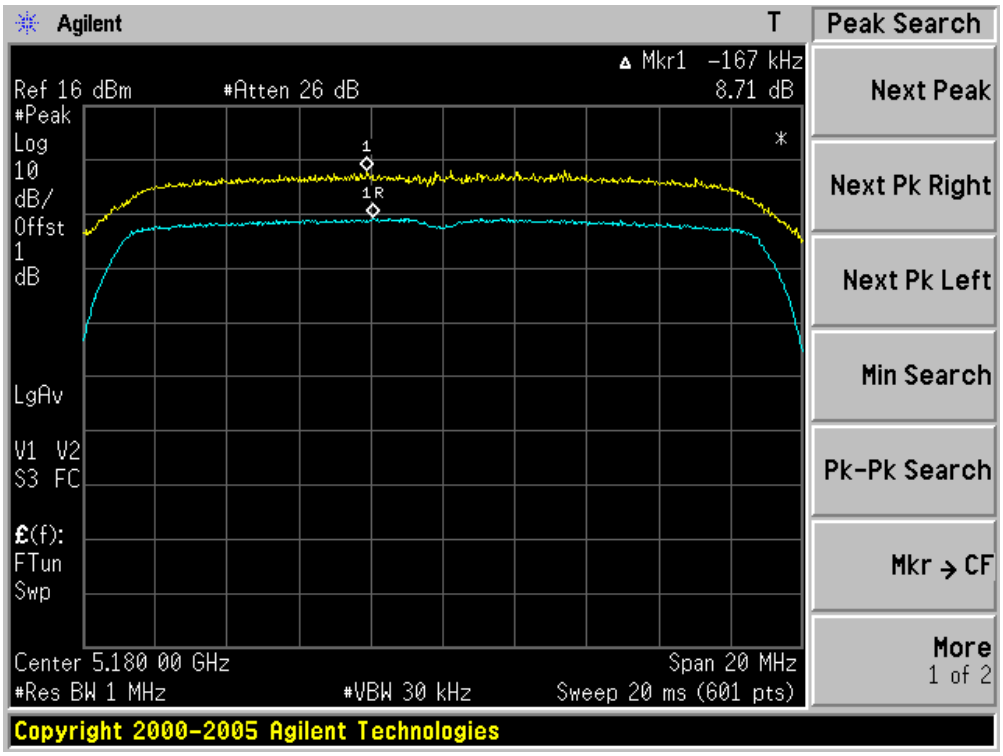

**Channel 48 (5240MHz)**



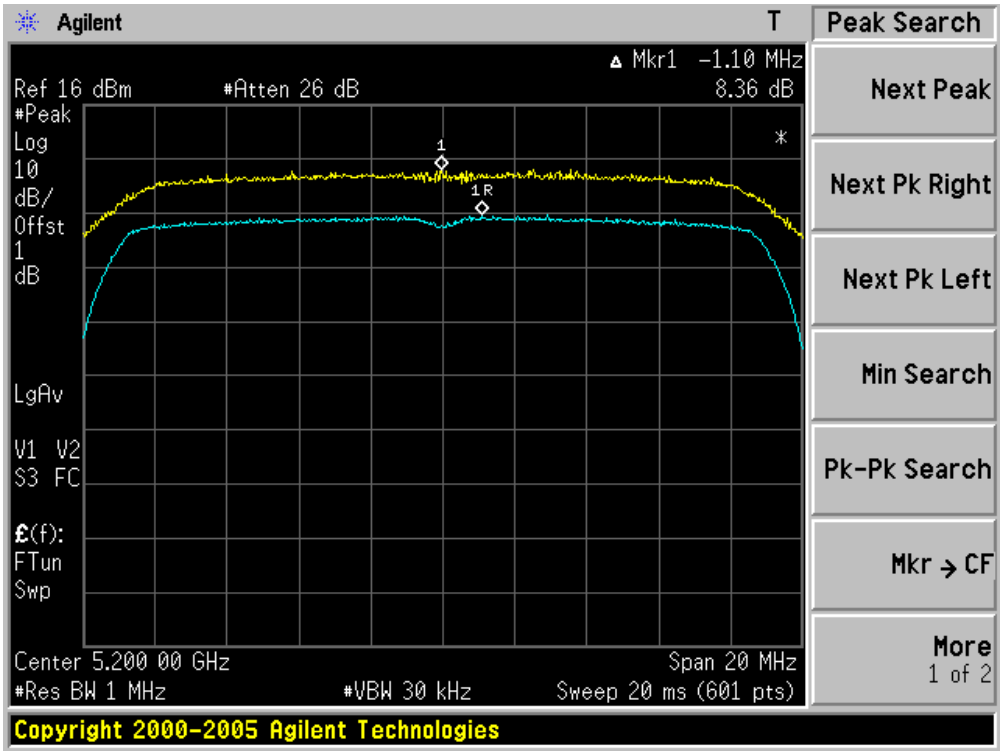
| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Peak Excursion |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 2: Transmit by 802.11n (20MHz Bandwidth) (Chain A) |

| Channel No. | Frequency (MHz) | Peak Excursion (dB) | Limit (dB) | Result |
|---|---|---|---|---|
| 36 | 5180 | 8.71 | 13 | Pass |
| 40 | 5200 | 8.36 | 13 | Pass |
| 48 | 5240 | 8.64 | 13 | Pass |

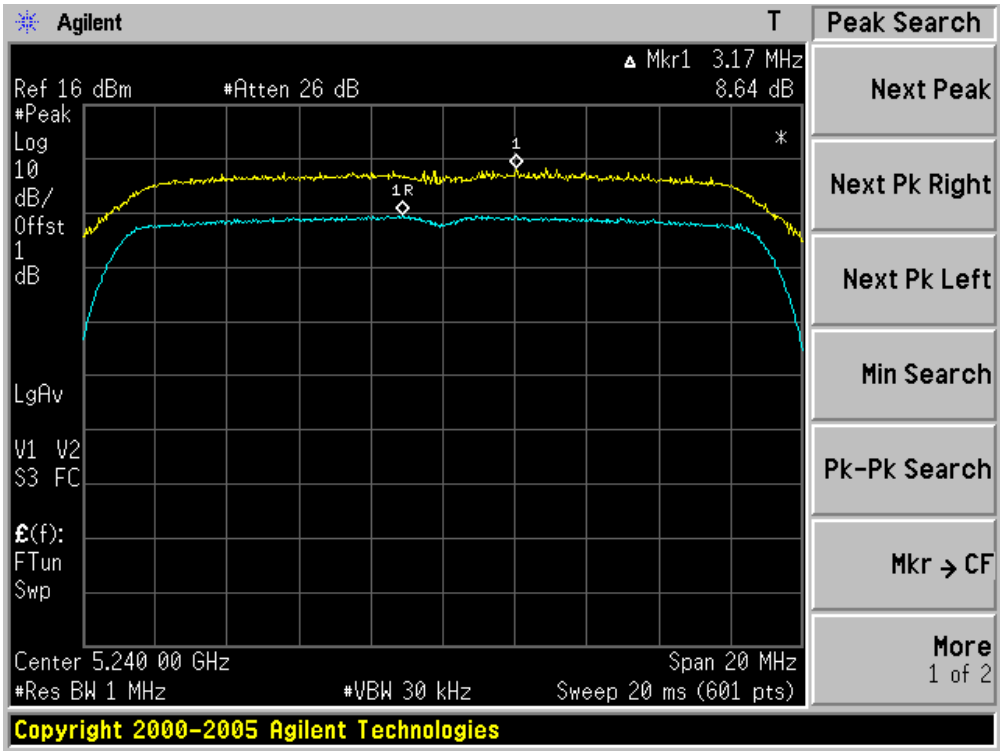
**Channel 36 (5180MHz)**



**Channel 40 (5200MHz)**



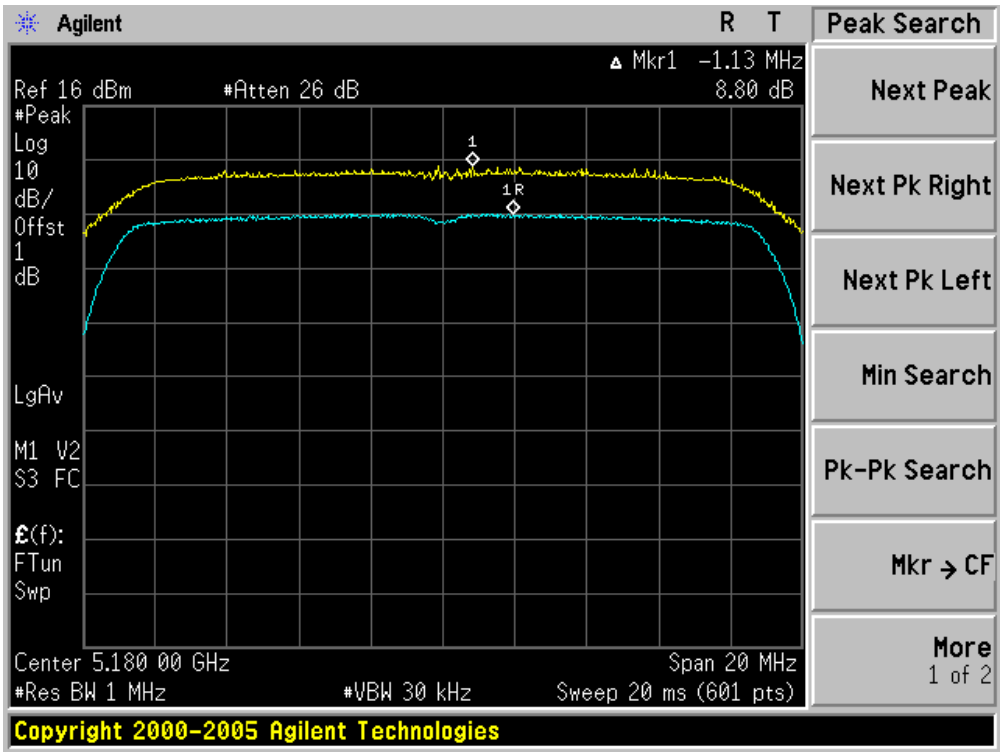

**Channel 48 (5240MHz)**



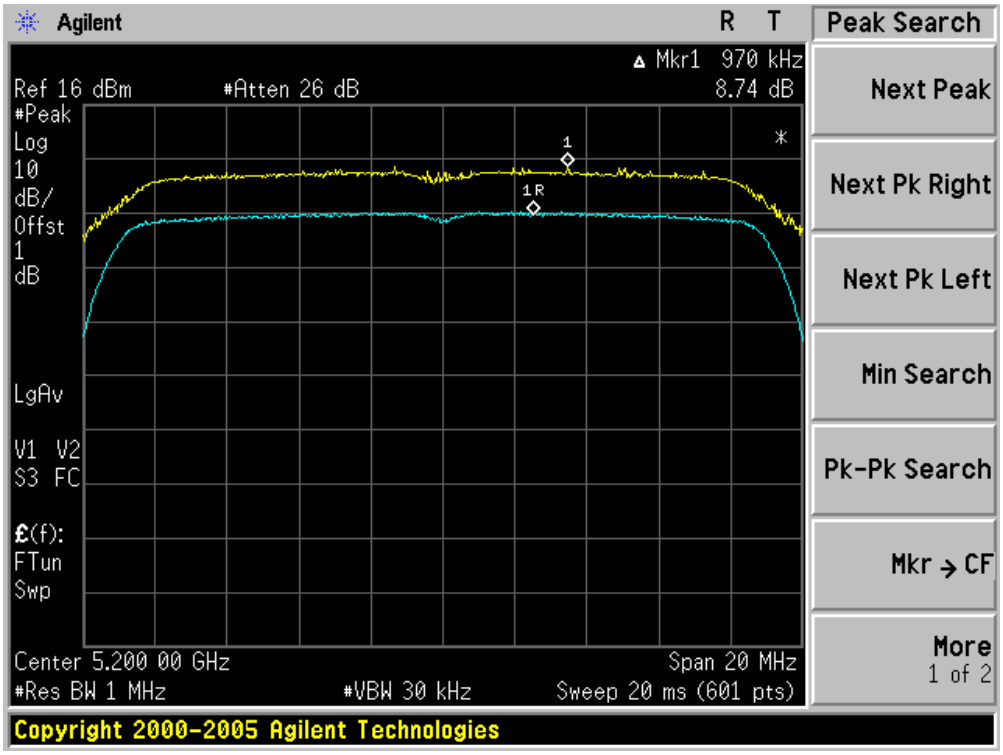
| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Peak Excursion |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 2: Transmit by 802.11n (20MHz Bandwidth) (Chain B) |

| Channel No. | Frequency (MHz) | Peak Excursion (dB) | Limit (dB) | Result |
|---|---|---|---|---|
| 36 | 5180 | 8.80 | 13 | Pass |
| 40 | 5200 | 8.74 | 13 | Pass |
| 48 | 5240 | 8.81 | 13 | Pass |

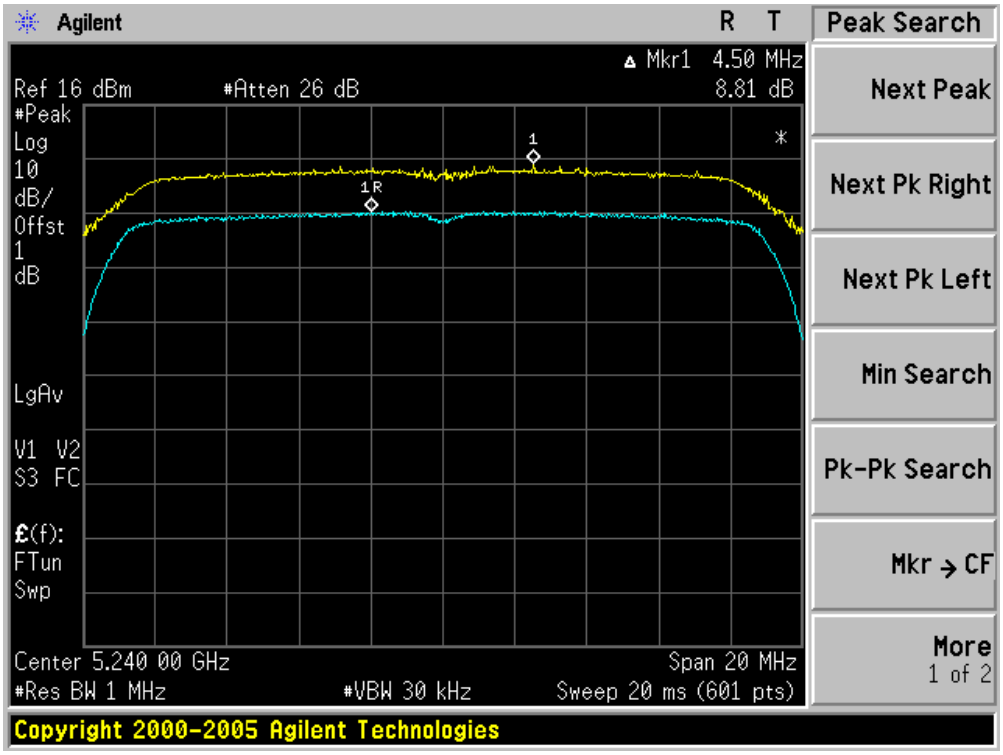
**Channel 36 (5180MHz)**



**Channel 40 (5200MHz)**



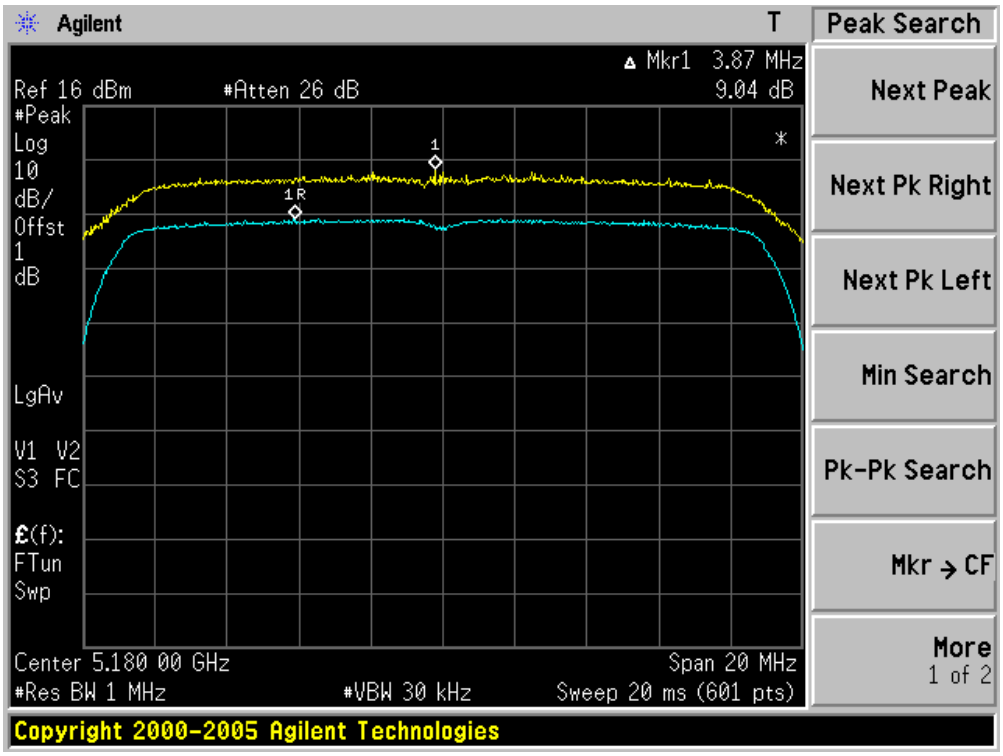

**Channel 48 (5240MHz)**



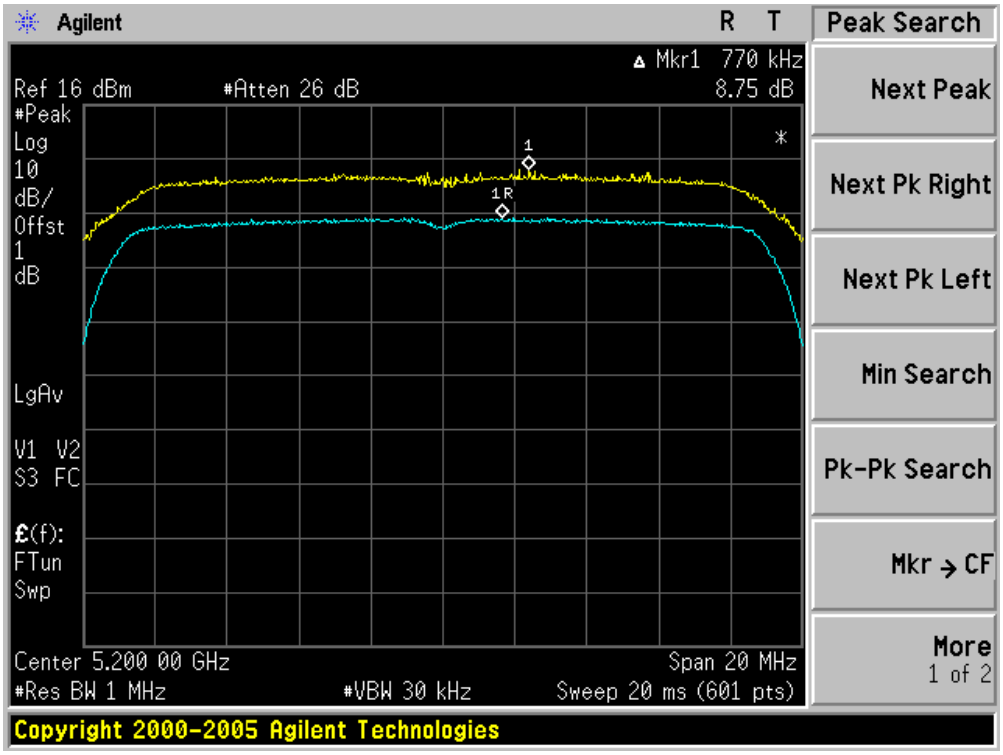
| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Peak Excursion |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 2: Transmit by 802.11n (20MHz Bandwidth) (Chain C) |

| Channel No. | Frequency (MHz) | Peak Excursion (dB) | Limit (dB) | Result |
|---|---|---|---|---|
| 36 | 5180 | 9.04 | 13 | Pass |
| 40 | 5200 | 8.75 | 13 | Pass |
| 48 | 5240 | 8.88 | 13 | Pass |

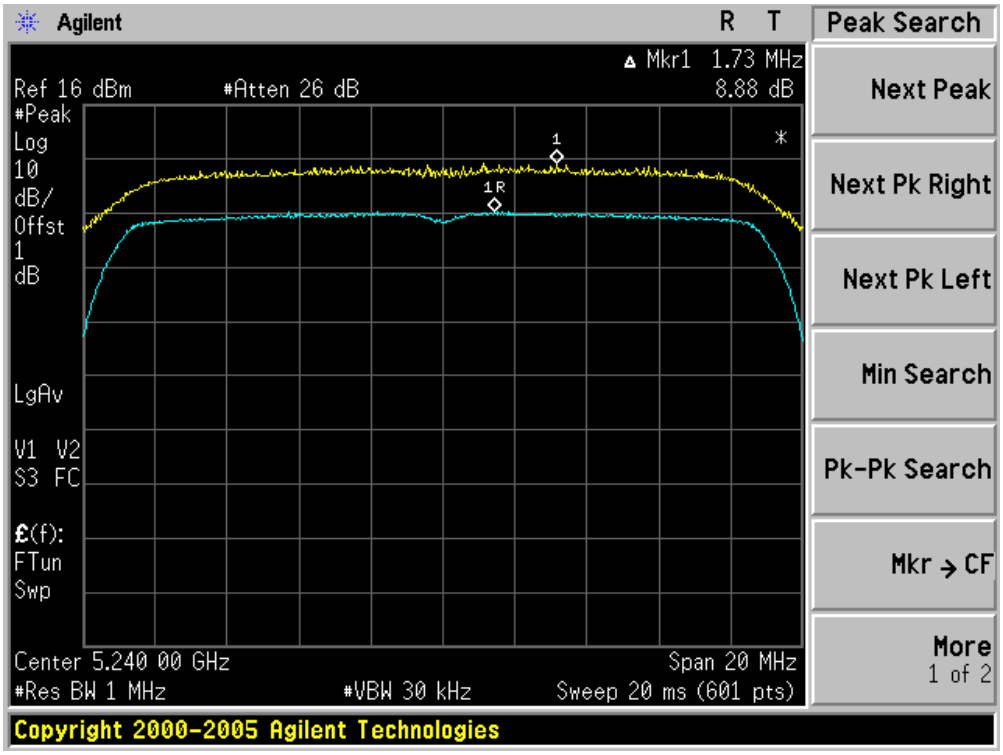
**Channel 36 (5180MHz)**



**Channel 40 (5200MHz)**



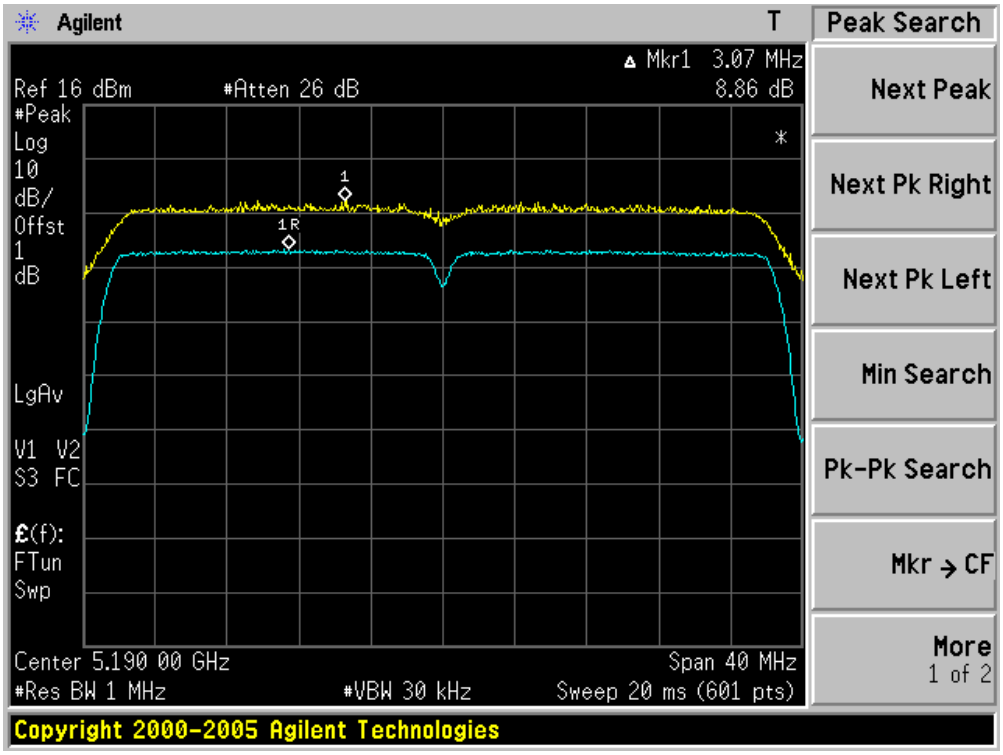

**Channel 48 (5240MHz)**



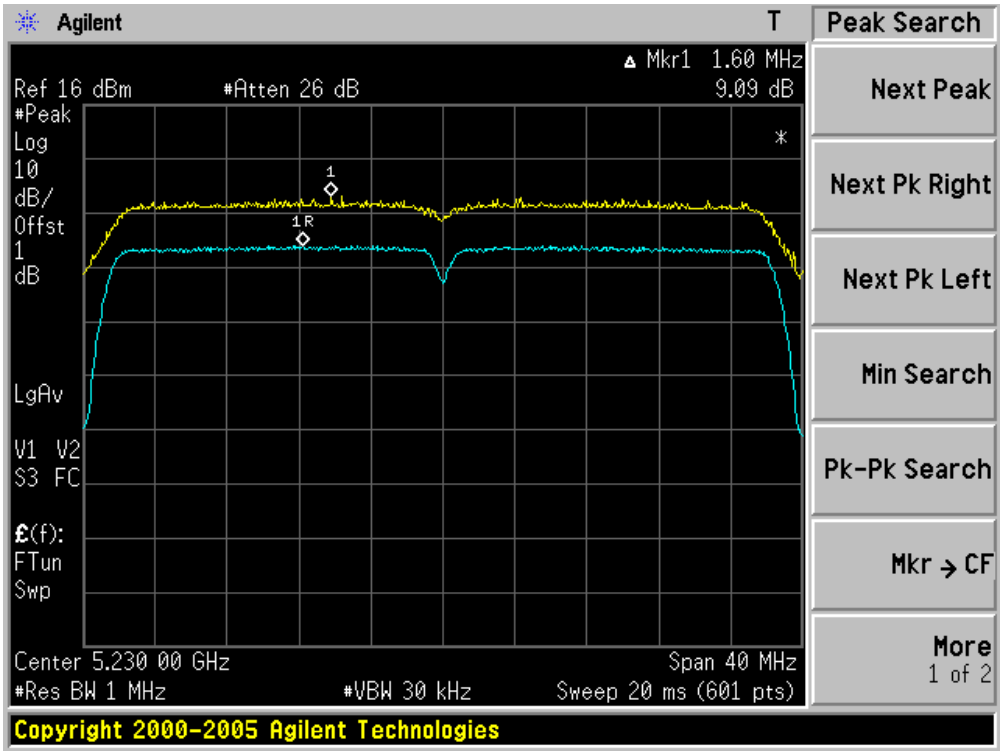
| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Peak Excursion |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 3: Transmit by 802.11n (40MHz Bandwidth) (Chain A) |

| Channel No. | Frequency (MHz) | Peak Excursion (dB) | Limit (dB) | Result |
|---|---|---|---|---|
| 38 | 5190 | 8.86 | 13 | Pass |
| 46 | 5230 | 9.09 | 13 | Pass |

**Channel 38 (5190MHz)**



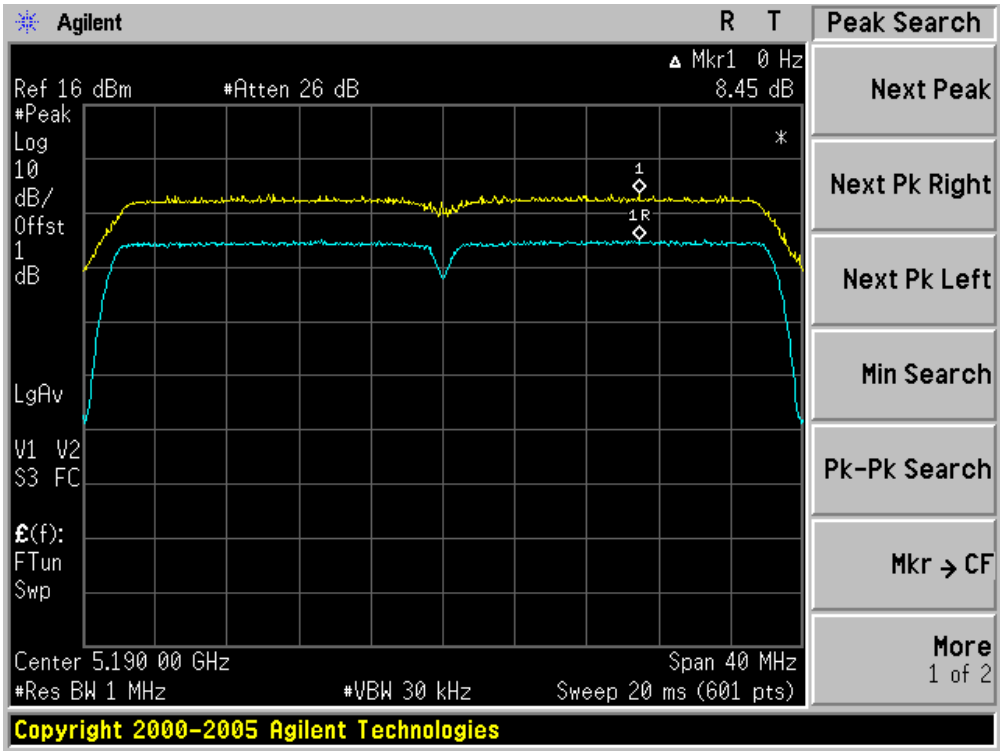
**Channel 46 (5230MHz)**



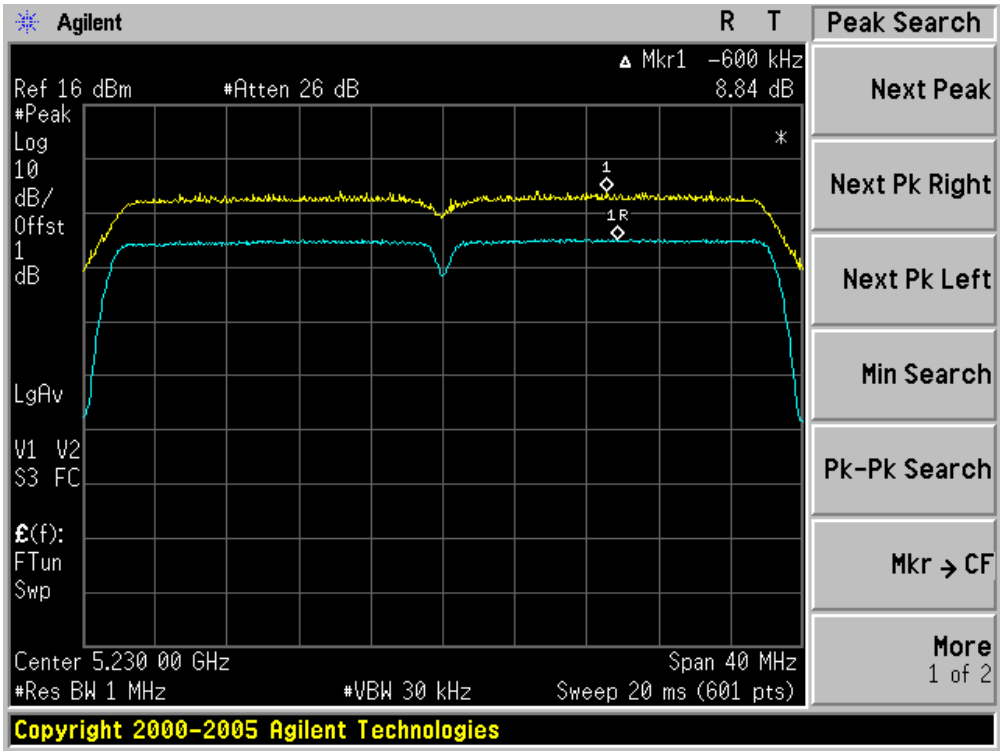
| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Peak Excursion |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 3: Transmit by 802.11n (40MHz Bandwidth) (Chain B) |

| Channel No. | Frequency (MHz) | Peak Excursion (dB) | Limit (dB) | Result |
|---|---|---|---|---|
| 38 | 5190 | 8.45 | 13 | Pass |
| 46 | 5230 | 8.84 | 13 | Pass |

**Channel 38 (5190MHz)**



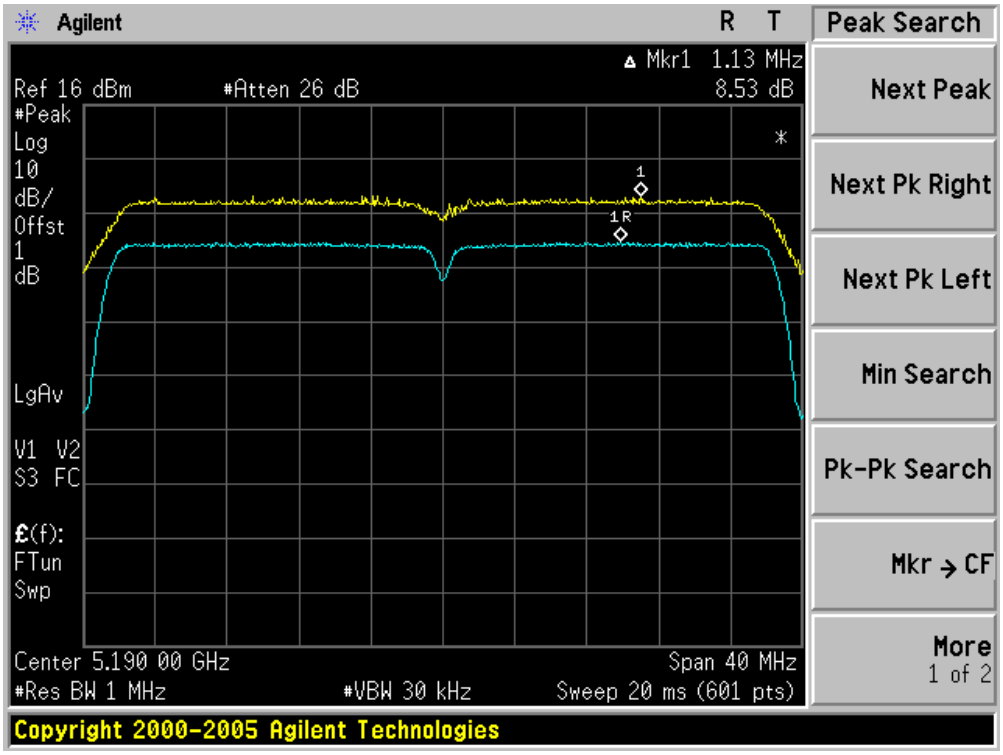
**Channel 46 (5230MHz)**



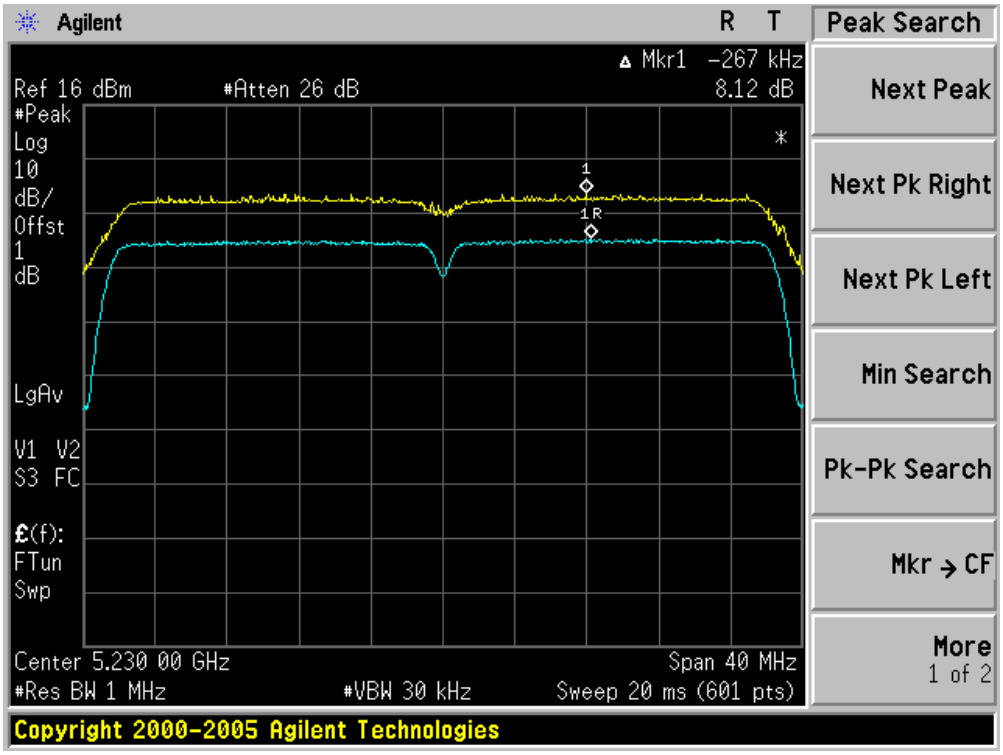
| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Peak Excursion |
| Test Site | : | AC-6 |
| Test Mode | : | Mode 3: Transmit by 802.11n (40MHz Bandwidth) (Chain C) |

| Channel No. | Frequency (MHz) | Peak Excursion (dB) | Limit (dB) | Result |
|---|---|---|---|---|
| 38 | 5190 | 8.53 | 13 | Pass |
| 46 | 5230 | 8.12 | 13 | Pass |

**Channel 38 (5190MHz)**



**Channel 46 (5230MHz)**



# 10. Radiated Emission Band Edge

## 10.1. Test Equipment

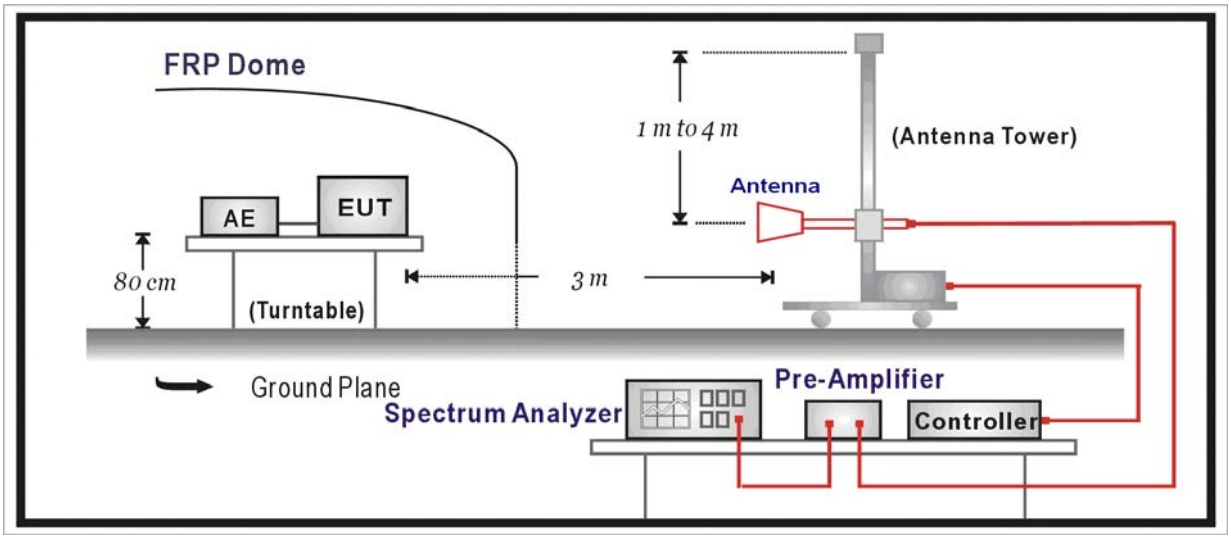
☒Radiated Emission / AC-2

| Instrument | Manufacturer | Type No. | Serial No. | Cal. Date |
|---|---|---|---|---|
| Spectrum Analyzer | Agilent | E4446A | MY45300103 | 2009/06/11 |
| Broad-Band Horn Antenna | Schwarzbeck | BBHA9120D | 496 | 2008/11/25 |
| Coaxial Cable | Huber+Suhner | AC2-C | 04 | 2008/11/25 |
| Temperature/Humidity Meter | zhicheng | ZC1-2 | QT-TH002 | 2009/03/31 |

Note 1: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Note 2: The test instruments marked with “X” are used to measure the final test results.

## 10.2. Test Setup



## 10.3. Limit

**For 15.205 requirement:**

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

| MHz | MHz | MHz | GHz |
|---|---|---|---|
| 0.090 - 0.110 | 16.42 - 16.423 | 399.9 - 410 | 4.5 - 5.15 |
| [1]0.495 - 0.505 | 16.69475 - 16.69525 | 608 - 614 | 5.35 - 5.46 |
| 2.1735 - 2.1905 | 16.80425 - 16.80475 | 960 - 1240 | 7.25 - 7.75 |
| 4.125 - 4.128 | 25.5 - 25.67 | 1300 - 1427 | 8.025 - 8.5 |
| 4.17725 - 4.17775 | 37.5 - 38.25 | 1435 - 1626.5 | 9.0 - 9.2 |
| 4.20725 - 4.20775 | 73 - 74.6 | 1645.5 - 1646.5 | 9.3 - 9.5 |
| 6.215 - 6.218 | 74.8 - 75.2 | 1660 - 1710 | 10.6 - 12.7 |
| 6.26775 - 6.26825 | 108 - 121.94 | 1718.8 - 1722.2 | 13.25 - 13.4 |
| 6.31175 - 6.31225 | 123 - 138 | 2200 - 2300 | 14.47 - 14.5 |
| 8.291 - 8.294 | 149.9 - 150.05 | 2310 - 2390 | 15.35 - 16.2 |
| 8.362 - 8.366 | 156.52475 - 156.52525 | 2483.5 - 2500 | 17.7 - 21.4 |
| 8.37625 - 8.38675 | 156.7 - 156.9 | 2690 - 2900 | 22.01 - 23.12 |
| 8.41425 - 8.41475 | 162.0125 - 167.17 | 3260 - 3267 | 23.6 - 24.0 |
| 12.29 - 12.293 | 167.72 - 173.2 | 3332 - 3339 | 31.2 - 31.8 |
| 12.51975 - 12.52025 | 240 - 285 | 3345.8 - 3358 | 36.43 - 36.5 |
| 12.57675 - 12.57725 | 322 - 335.4 | 3600 - 4400 | ([2]) |

**For 15.407(b) requirement:**

- 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 -27 dBm/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 -27dBm/MHz in the 5.15-5.25 GHz band.
- For transmitters operating in the 5.47-5.725 GHz band: all emission outside of the 5.47-5725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- For transmitters operating in the 5.725-5.825 GHz band: all emission within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27 dBm/MHz.

| Operating Frequency Band (MHz) | EIRP Limit (dBm/MHz) | Equivalent Field Strength at 3m (dBuV/m) |
|---|---|---|
| 5150 - 5250 | -27 | 68.3 |
| 5250 - 5350 | -27 | 68.3 |
| 5470 - 5725 | -27 | 68.3 |
| 5725 - 5825 | -27 [Note(1)] | 68.3 |
| | -17 [Note(2)] | 78.3 |
| Note(1): Outsitde the frequency range 5715 - 5835MHz.<br>Note(2): Within the frequency range from the band edge to 10MHz below or above the band edge, 5715 – 5725MHz and 5825 - 5835MHz. | | |

## 10.4. Test Procedure

The EUT was tested according to FCC Public Notice DA 02-2138, August 30, 2002 for compliance to FCC 47CFR 15.407 requirements.
The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2003 on radiated measurement.
Note: When doing emission measurement above 1GHz, the horn antenna will be bended down a little (as horn antenna has the narrow beamwidth) in order to keeping the antenna in the “cone of radiation” of EUT. The 3dB beamwidth is 60 degrees for H-plane and 90 degrees for E-plane.

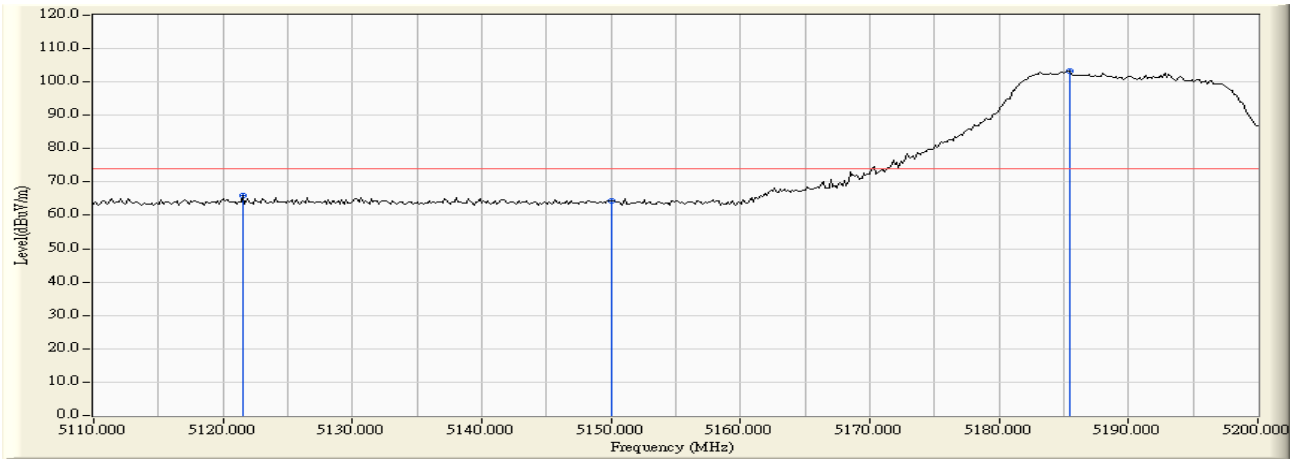
## 10.5. Uncertainty

The measurement uncertainty above 1GHz is defined as ± 3.9 dB

## 10.6. Test Result

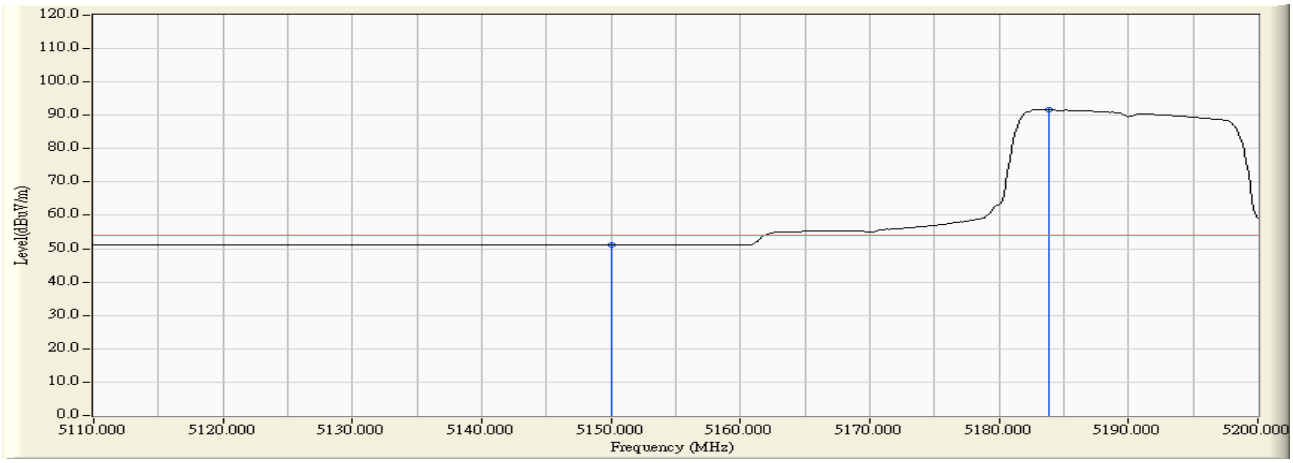
Peak detector: RBW = 1MHz, VBW = 3MHz, sweep time = 200ms;
Average detector: RBW = 1MHz, VBW = 10Hz, sweep time = auto.

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 19:34** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 1: Transmit at channel 5180MHz By 802.11a Chain A** |



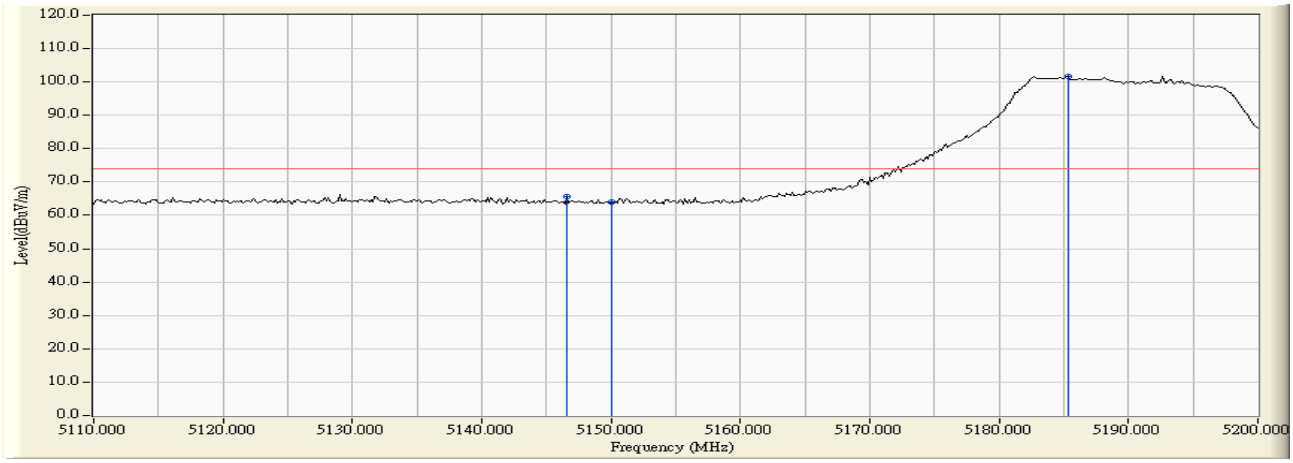

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5121.550 | 1.035 | 64.961 | 65.995 | -7.975 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 63.226 | 64.319 | -9.651 | 73.970 | PEAK |
| 3 | * | 5185.450 | 1.142 | 102.112 | 103.255 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 19:35** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 1: Transmit at channel 5180MHz By 802.11a Chain A** |



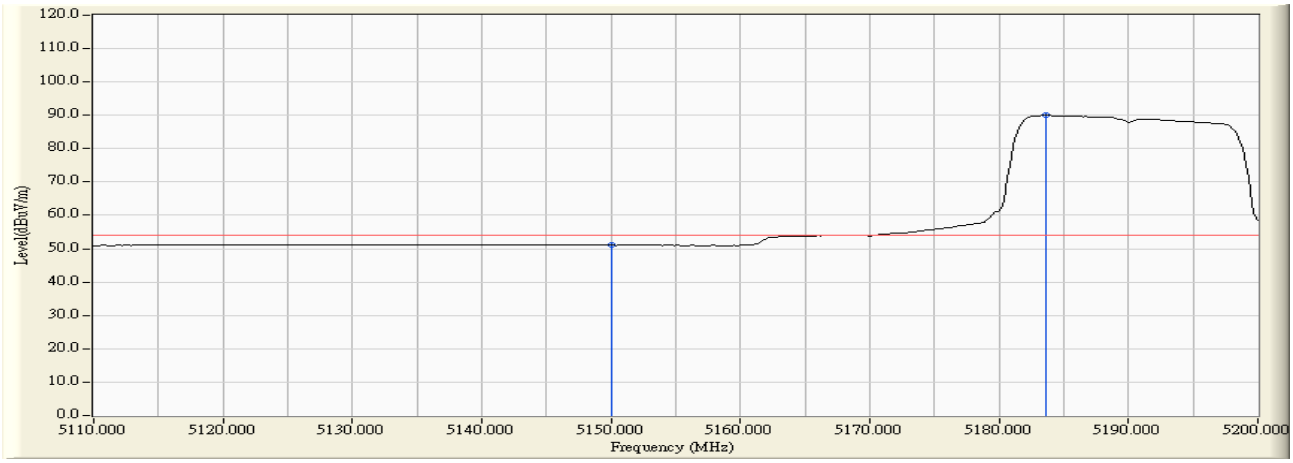

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 50.008 | 51.101 | -2.869 | 53.970 | AVERAGE |
| 2 | * | 5183.800 | 1.141 | 90.554 | 91.695 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 19:36** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 1: Transmit at channel 5180MHz By 802.11a Chain A** |



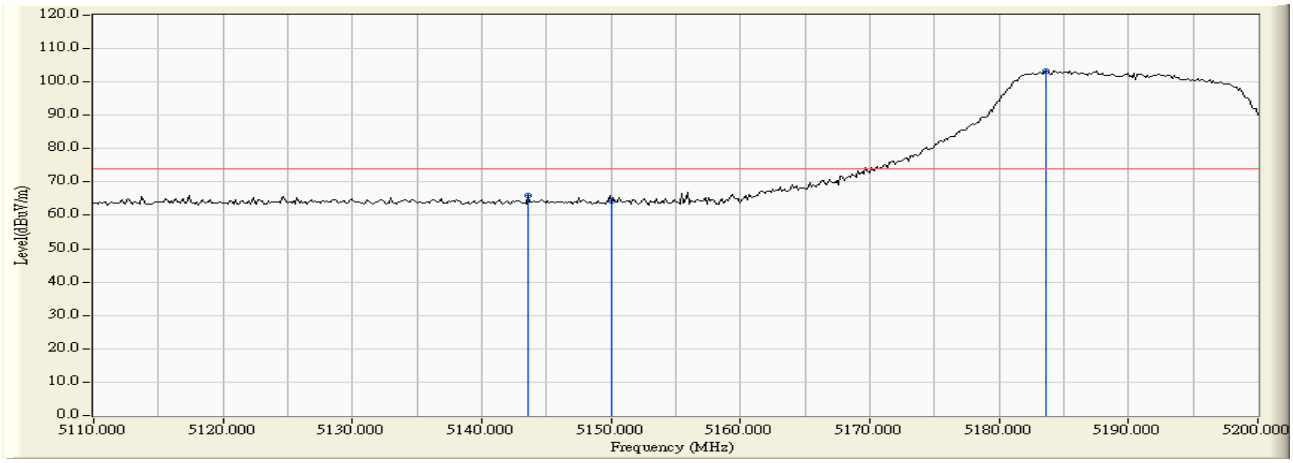

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5146.600 | 1.088 | 64.700 | 65.788 | -8.182 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 62.804 | 63.897 | -10.073 | 73.970 | PEAK |
| 3 | * | 5185.300 | 1.143 | 100.537 | 101.679 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 19:36** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 1: Transmit at channel 5180MHz By 802.11a Chain A** |



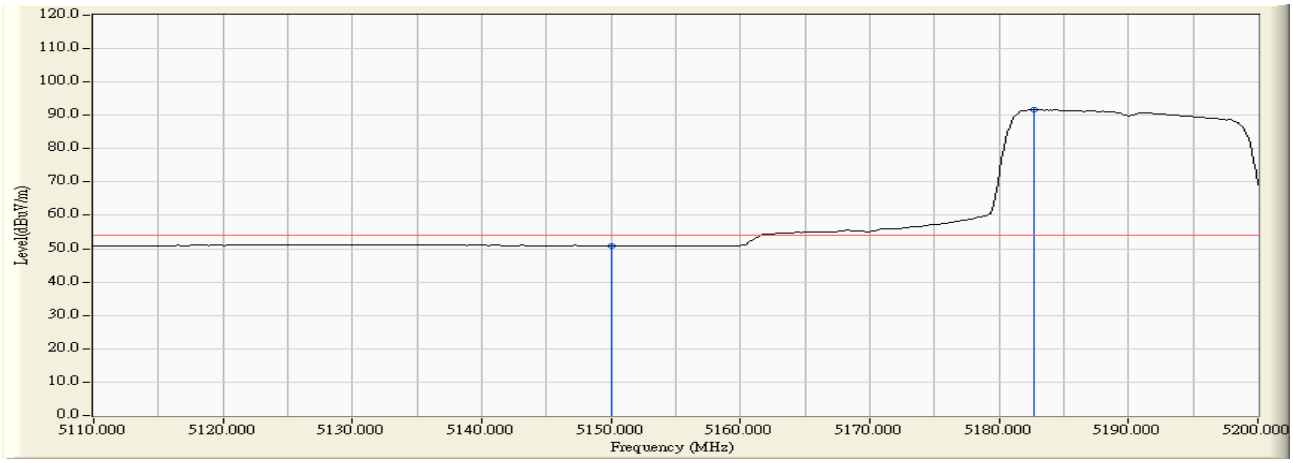

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.945 | 51.038 | -2.932 | 53.970 | AVERAGE |
| 2 | * | 5183.650 | 1.141 | 88.953 | 90.094 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 19:45** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A** |



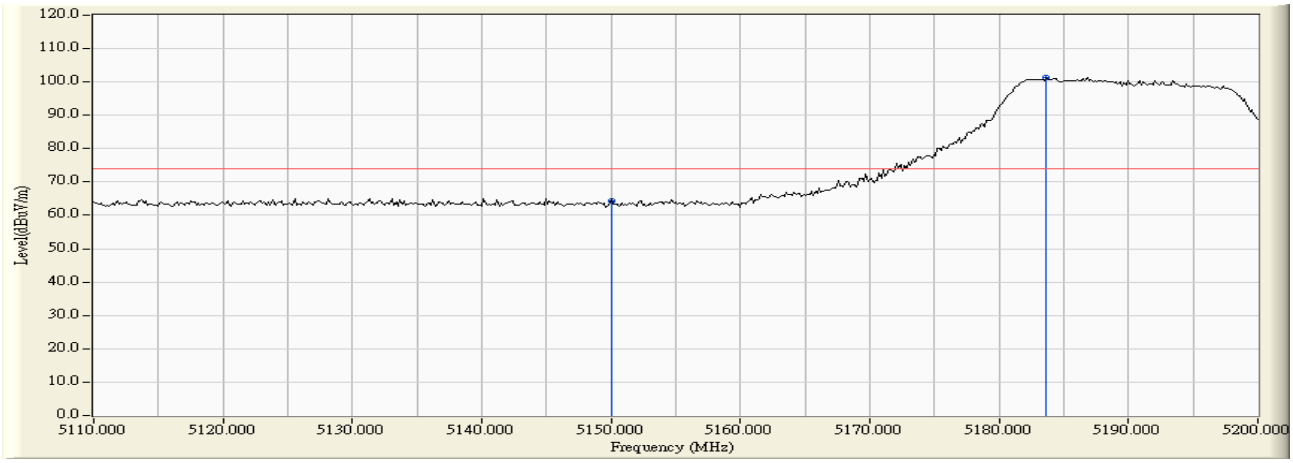

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5143.600 | 1.082 | 64.940 | 66.022 | -7.948 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 63.356 | 64.449 | -9.521 | 73.970 | PEAK |
| 3 | * | 5183.650 | 1.141 | 102.205 | 103.346 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 19:46** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A** |



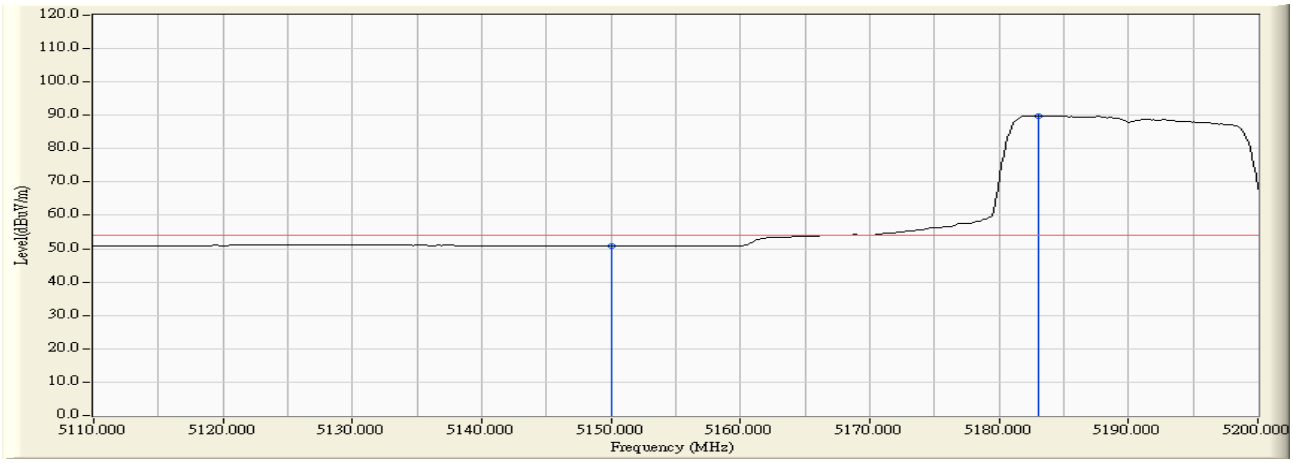

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.836 | 50.929 | -3.041 | 53.970 | AVERAGE |
| 2 | * | 5182.750 | 1.140 | 90.531 | 91.671 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 19:46** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A** |



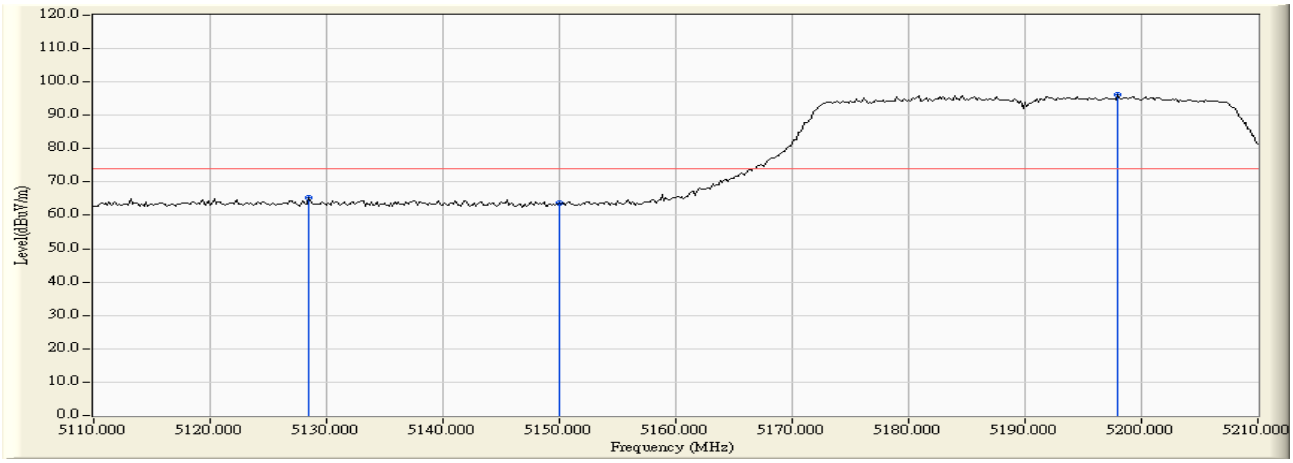

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 63.365 | 64.458 | -9.512 | 73.970 | PEAK |
| 2 | * | 5183.650 | 1.141 | 100.113 | 101.254 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 19:47** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A** |



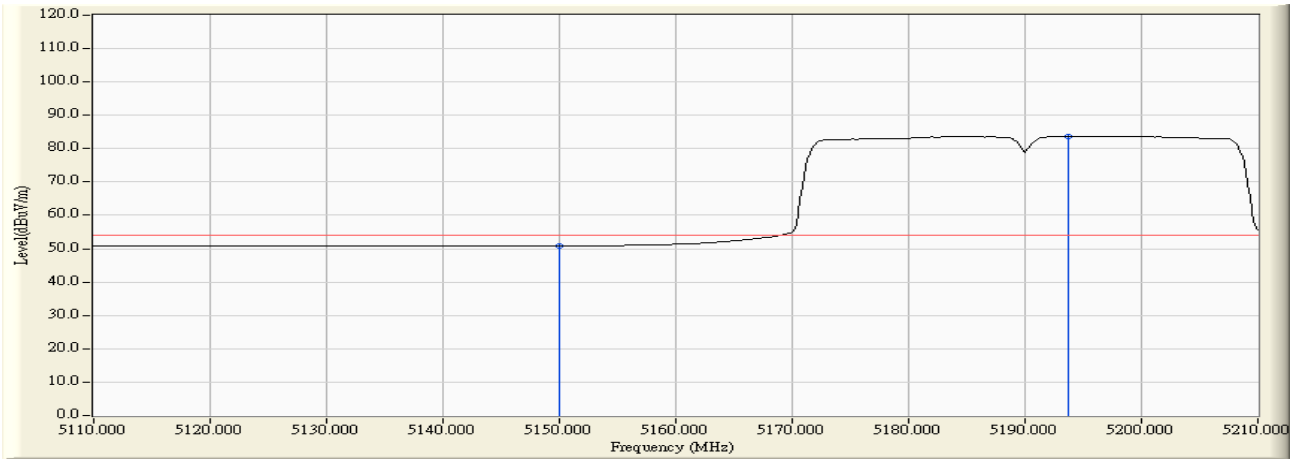

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.755 | 50.848 | -3.122 | 53.970 | AVERAGE |
| 2 | * | 5183.050 | 1.140 | 88.741 | 89.881 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 19:59** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A** |



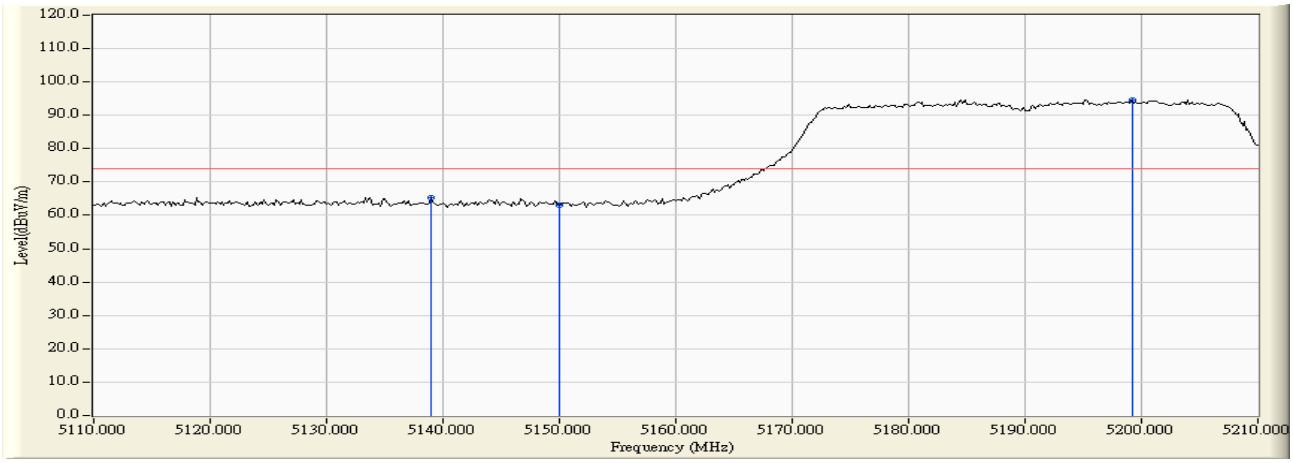

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5128.500 | 1.051 | 64.303 | 65.355 | -8.615 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 62.494 | 63.587 | -10.383 | 73.970 | PEAK |
| 3 | * | 5198.000 | 1.154 | 95.065 | 96.219 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:00** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A** |



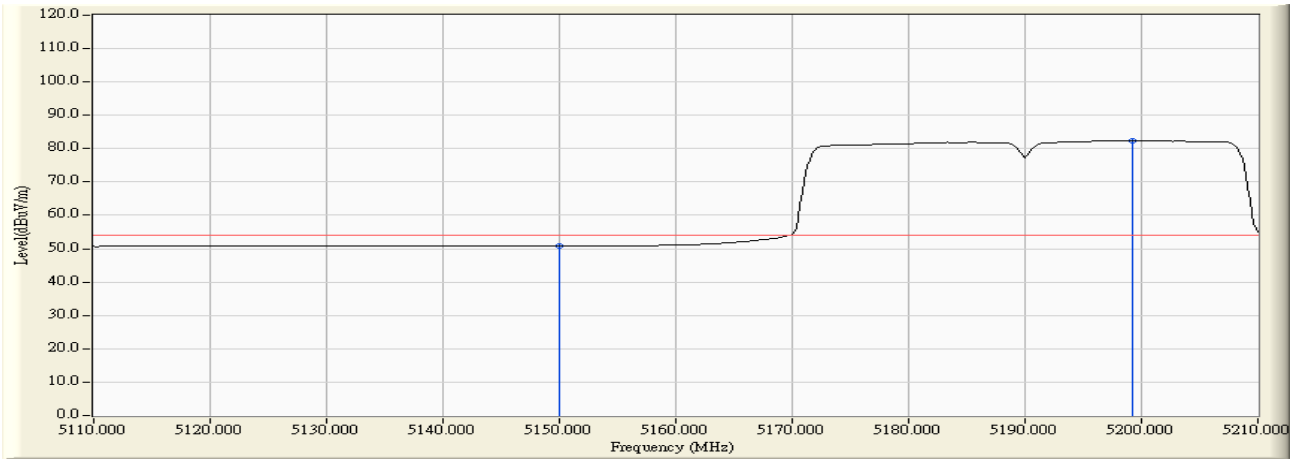

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.782 | 50.875 | -3.095 | 53.970 | AVERAGE |
| 2 | * | 5193.667 | 1.150 | 82.606 | 83.756 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:00** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A** |



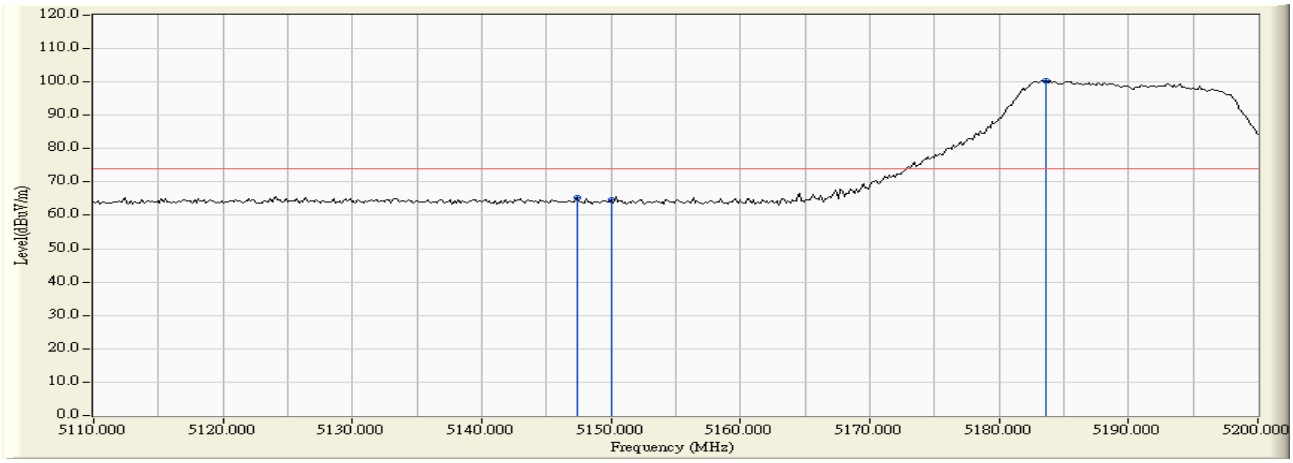

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5139.000 | 1.073 | 64.260 | 65.333 | -8.637 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 61.823 | 62.916 | -11.054 | 73.970 | PEAK |
| 3 | * | 5199.167 | 1.154 | 93.360 | 94.515 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:01** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A** |



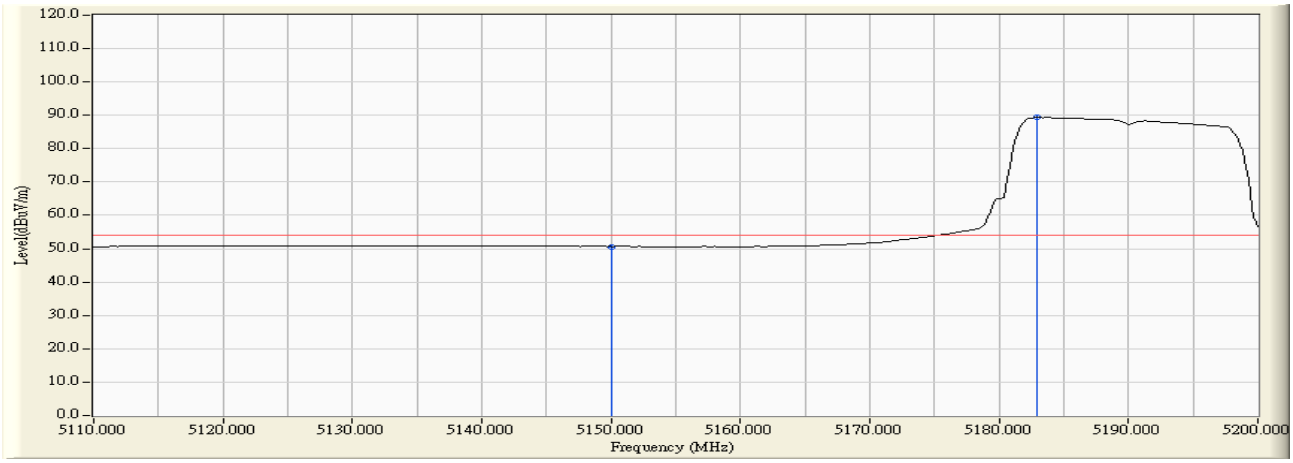

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.748 | 50.841 | -3.129 | 53.970 | AVERAGE |
| 2 | * | 5199.167 | 1.154 | 81.229 | 82.384 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:16** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 1: Transmit at channel 5180MHz By 802.11a Chain B** |



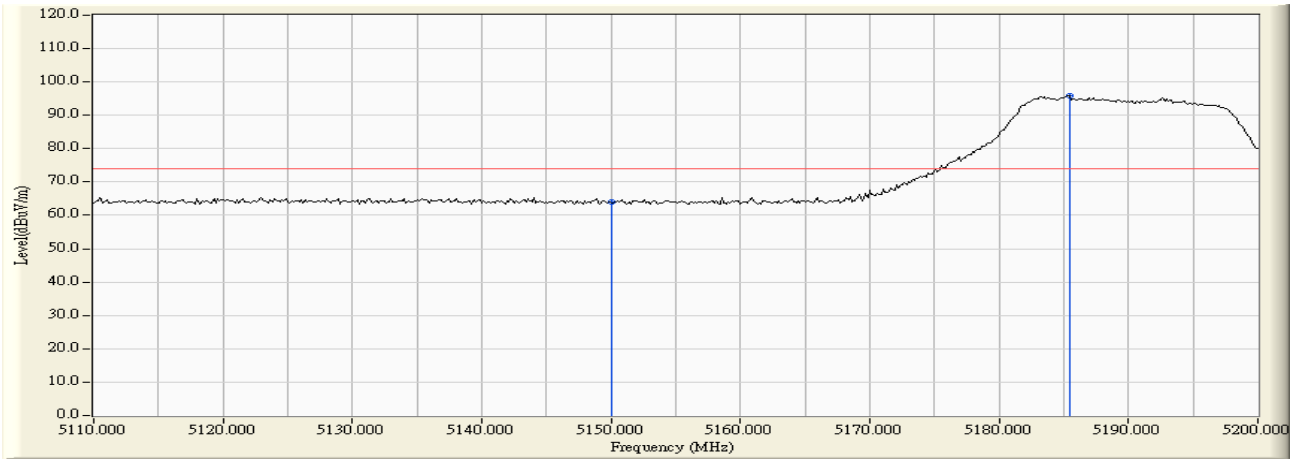

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5147.350 | 1.089 | 64.305 | 65.394 | -8.576 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 63.495 | 64.588 | -9.382 | 73.970 | PEAK |
| 3 | * | 5183.650 | 1.141 | 99.200 | 100.341 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:16** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 1: Transmit at channel 5180MHz By 802.11a Chain B** |



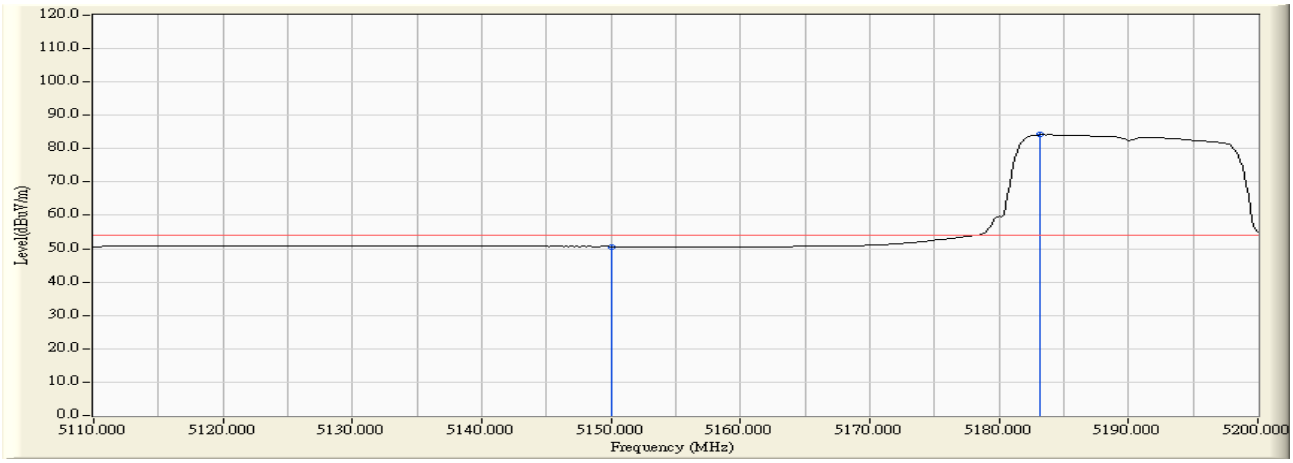

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.569 | 50.662 | -3.308 | 53.970 | AVERAGE |
| 2 | * | 5182.900 | 1.141 | 88.179 | 89.319 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:18** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 1: Transmit at channel 5180MHz By 802.11a Chain B** |



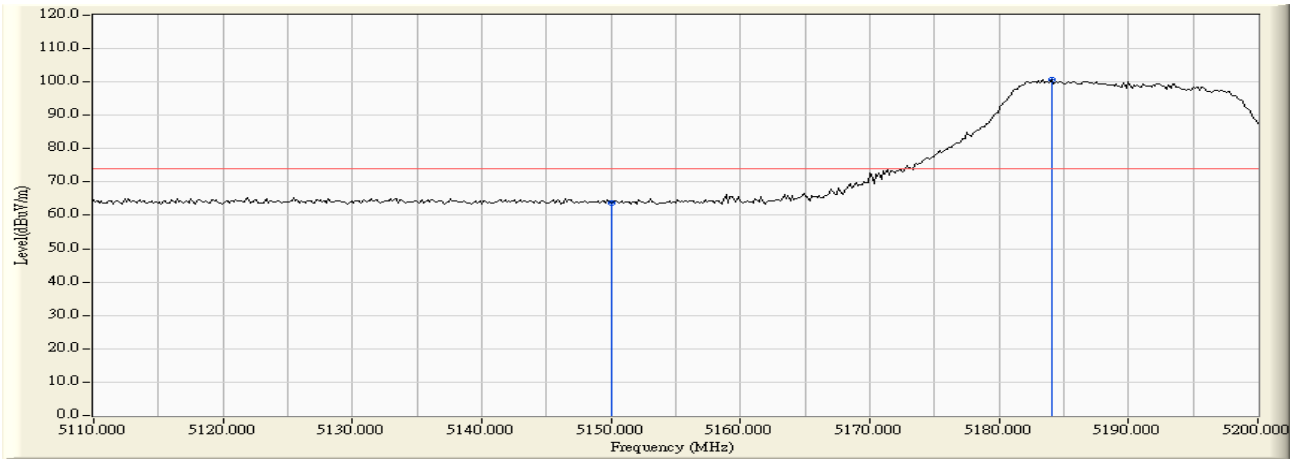

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 62.802 | 63.895 | -10.075 | 73.970 | PEAK |
| 2 | * | 5185.450 | 1.142 | 94.706 | 95.849 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:19** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 1: Transmit at channel 5180MHz By 802.11a Chain B** |



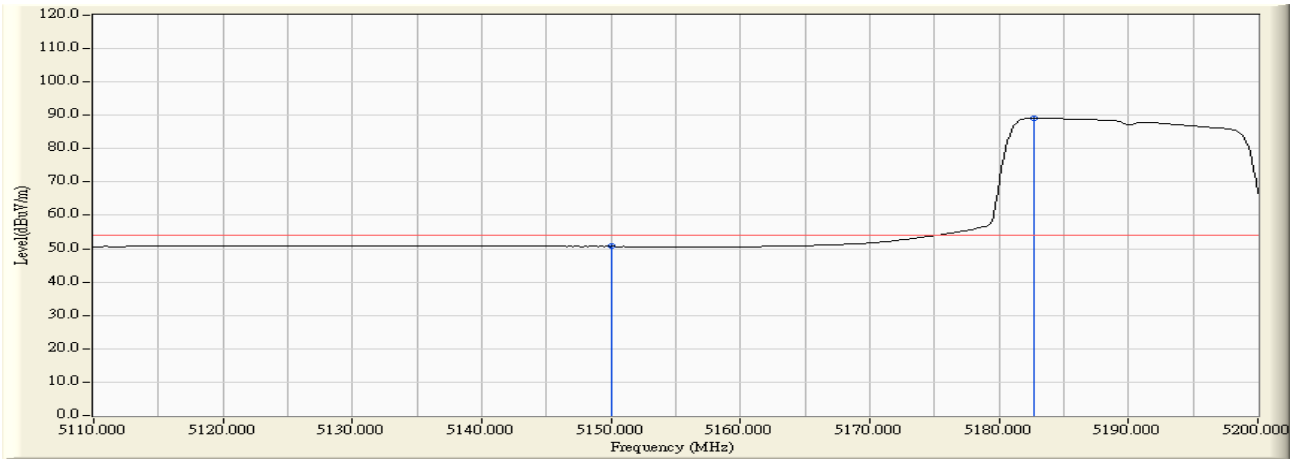

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.535 | 50.628 | -3.342 | 53.970 | AVERAGE |
| 2 | * | 5183.200 | 1.141 | 83.106 | 84.247 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:36** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain B** |



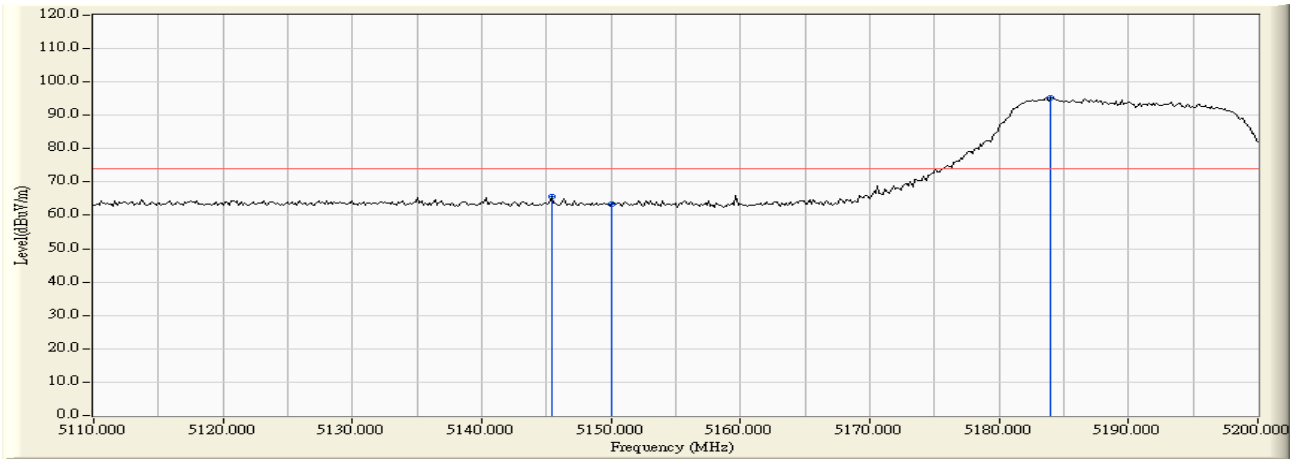

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 62.649 | 63.742 | -10.228 | 73.970 | PEAK |
| 2 | * | 5184.100 | 1.141 | 99.584 | 100.725 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:37** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain B** |



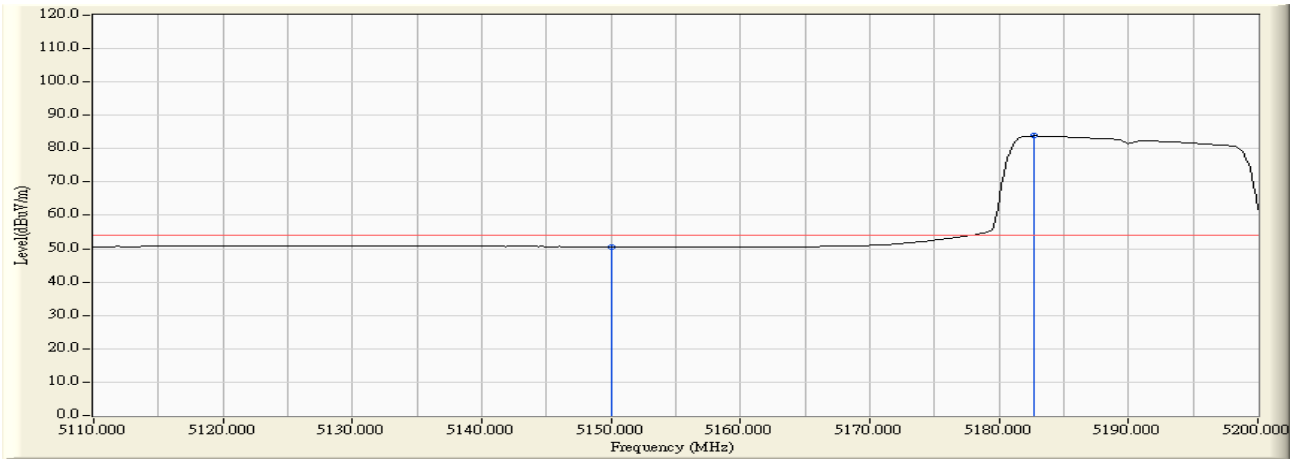

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.589 | 50.682 | -3.288 | 53.970 | AVERAGE |
| 2 | * | 5182.750 | 1.140 | 88.005 | 89.145 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:37** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain B** |



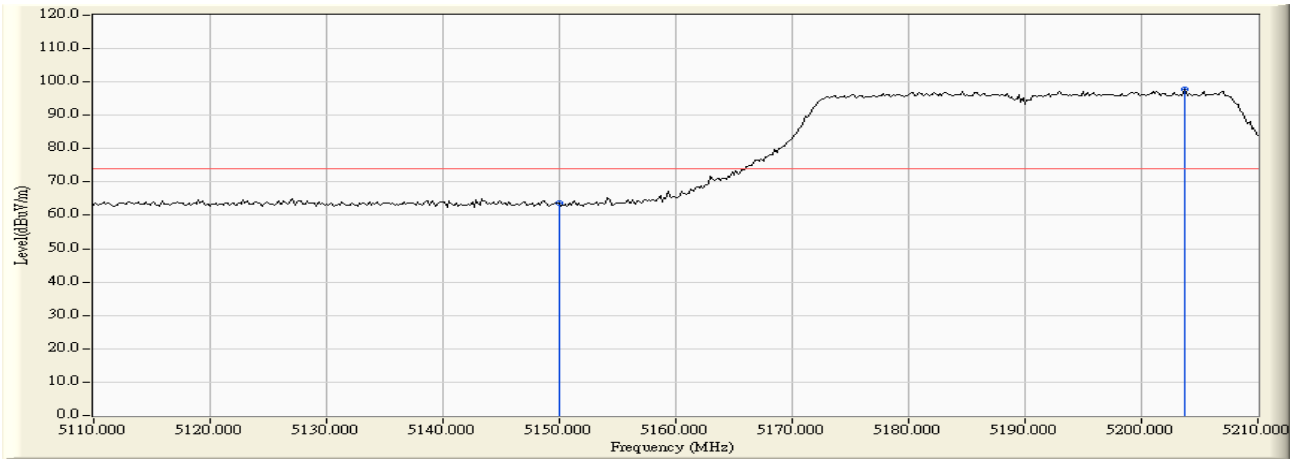

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5145.400 | 1.086 | 64.572 | 65.658 | -8.312 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 62.182 | 63.275 | -10.695 | 73.970 | PEAK |
| 3 | * | 5183.950 | 1.141 | 94.122 | 95.263 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:38** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain B** |



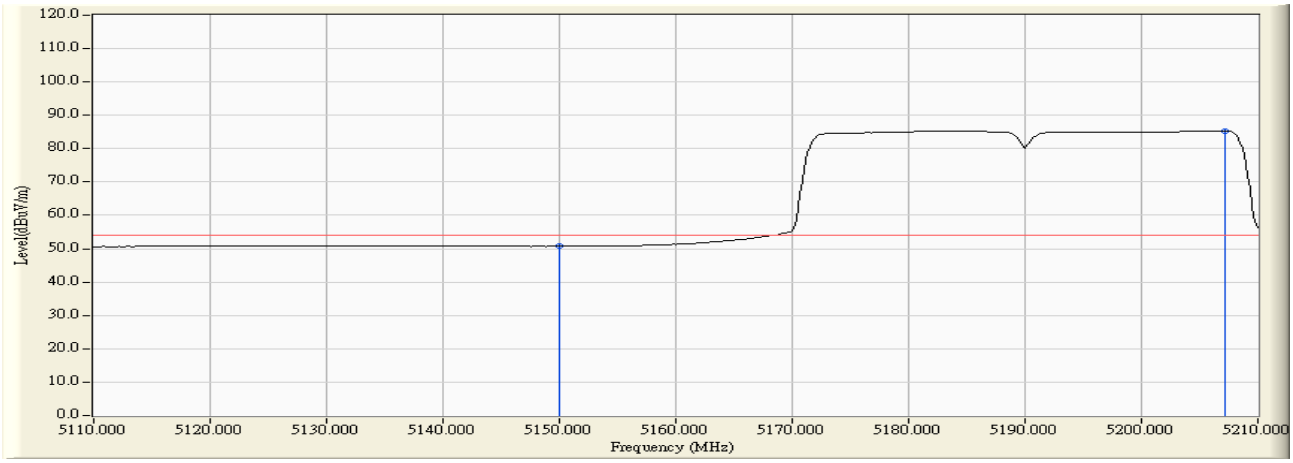

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.491 | 50.584 | -3.386 | 53.970 | AVERAGE |
| 2 | * | 5182.750 | 1.140 | 82.710 | 83.850 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:46** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain B** |



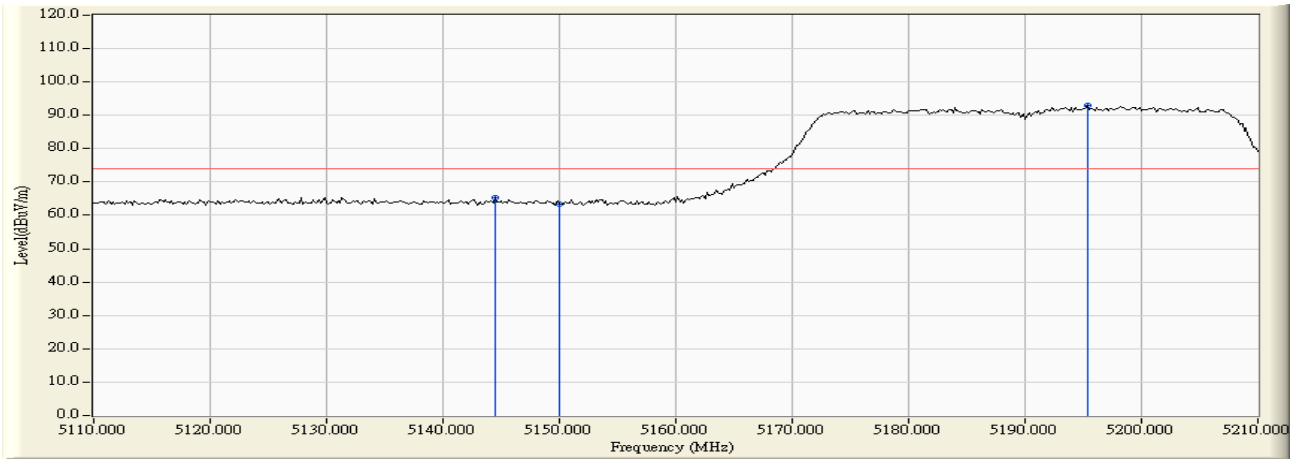

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 62.606 | 63.699 | -10.271 | 73.970 | PEAK |
| 2 | * | 5203.667 | 1.145 | 96.614 | 97.759 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:47** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain B** |



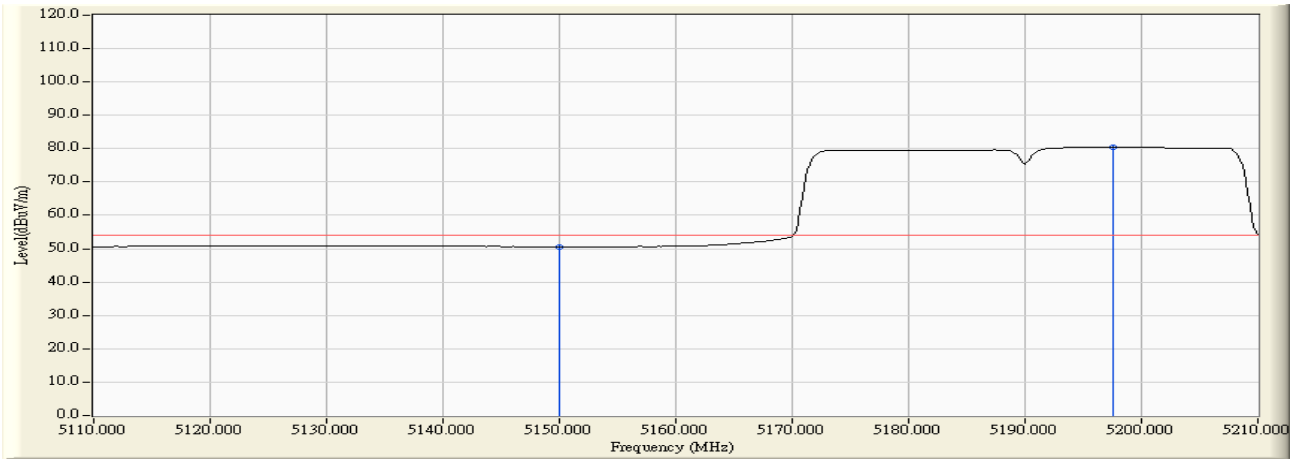

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.628 | 50.721 | -3.249 | 53.970 | AVERAGE |
| 2 | * | 5207.167 | 1.137 | 84.211 | 85.349 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:49** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain B** |



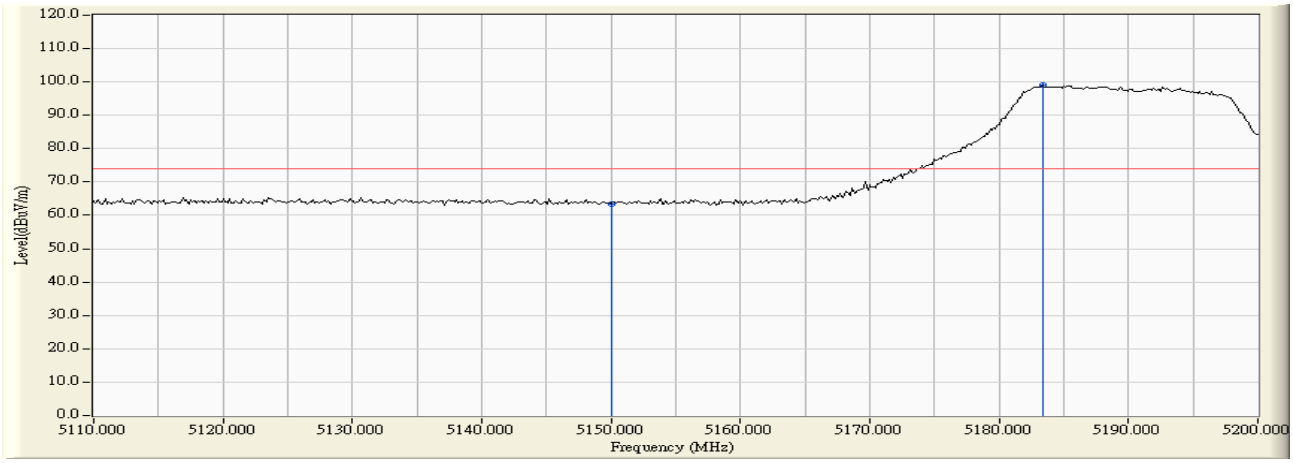

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5144.500 | 1.084 | 64.190 | 65.274 | -8.696 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 62.148 | 63.241 | -10.729 | 73.970 | PEAK |
| 3 | * | 5195.333 | 1.151 | 91.696 | 92.848 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 20:49** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain B** |



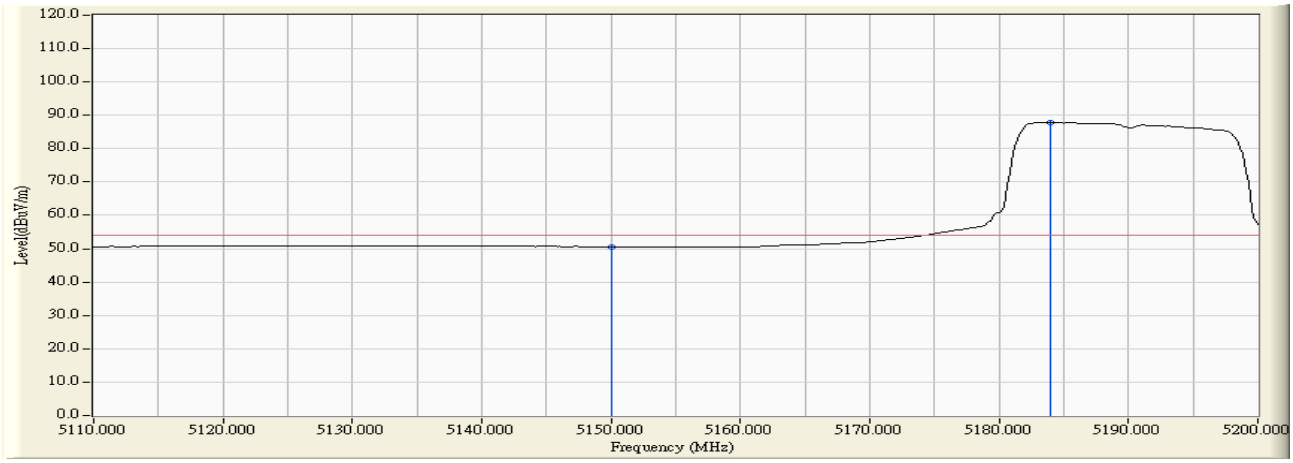

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.558 | 50.651 | -3.319 | 53.970 | AVERAGE |
| 2 | * | 5197.500 | 1.153 | 79.377 | 80.531 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:03** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 1: Transmit at channel 5180MHz By 802.11a Chain C** |



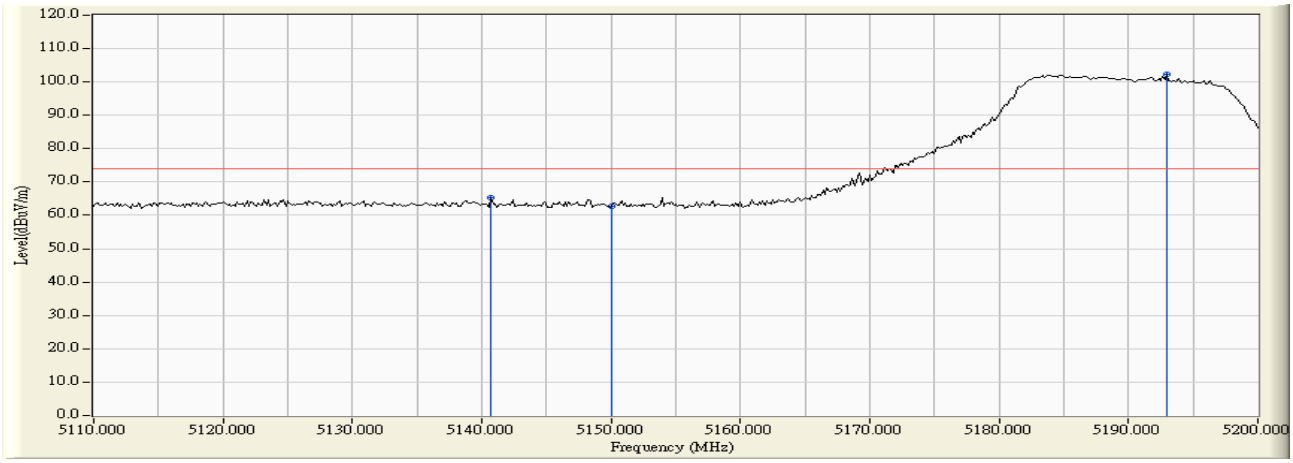

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 62.364 | 63.457 | -10.513 | 73.970 | PEAK |
| 2 | * | 5183.350 | 1.141 | 97.813 | 98.954 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:04** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 1: Transmit at channel 5180MHz By 802.11a Chain C** |



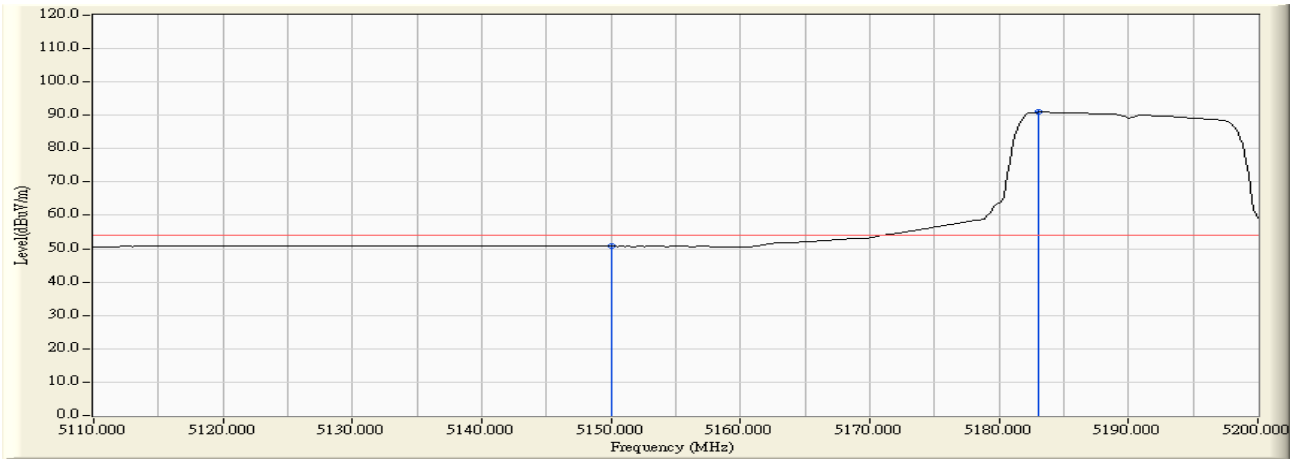

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.534 | 50.627 | -3.343 | 53.970 | AVERAGE |
| 2 | * | 5183.950 | 1.141 | 86.630 | 87.771 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:04** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 1: Transmit at channel 5180MHz By 802.11a Chain C** |



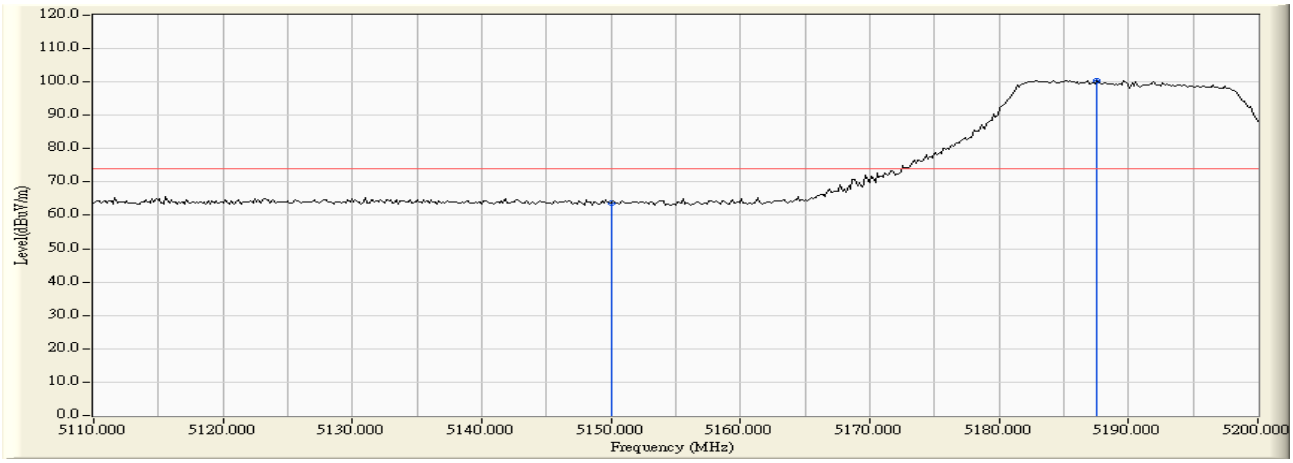

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5140.750 | 1.077 | 64.164 | 65.241 | -8.729 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 61.609 | 62.702 | -11.268 | 73.970 | PEAK |
| 3 | * | 5192.950 | 1.149 | 101.002 | 102.151 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:05** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 1: Transmit at channel 5180MHz By 802.11a Chain C** |



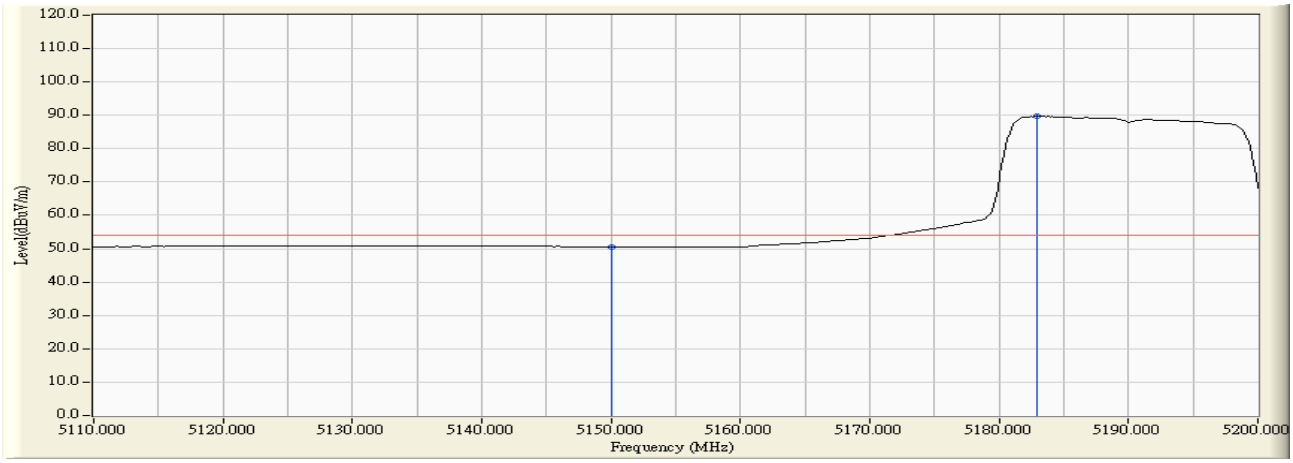

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.637 | 50.730 | -3.240 | 53.970 | AVERAGE |
| 2 | * | 5183.050 | 1.140 | 89.913 | 91.053 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:15** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain C** |



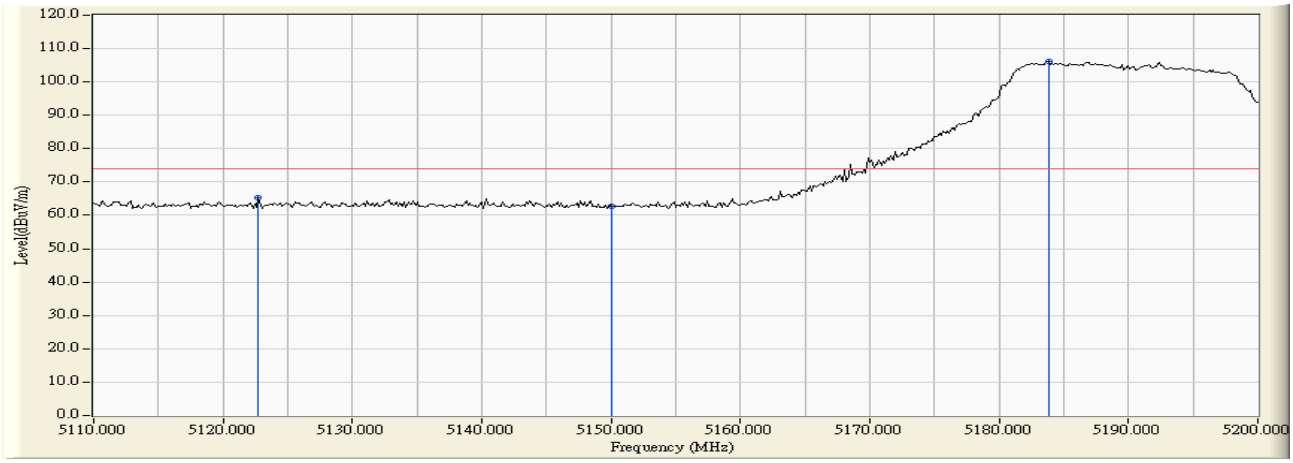

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 62.662 | 63.755 | -10.215 | 73.970 | PEAK |
| 2 | * | 5187.550 | 1.144 | 99.387 | 100.531 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:16** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain C** |



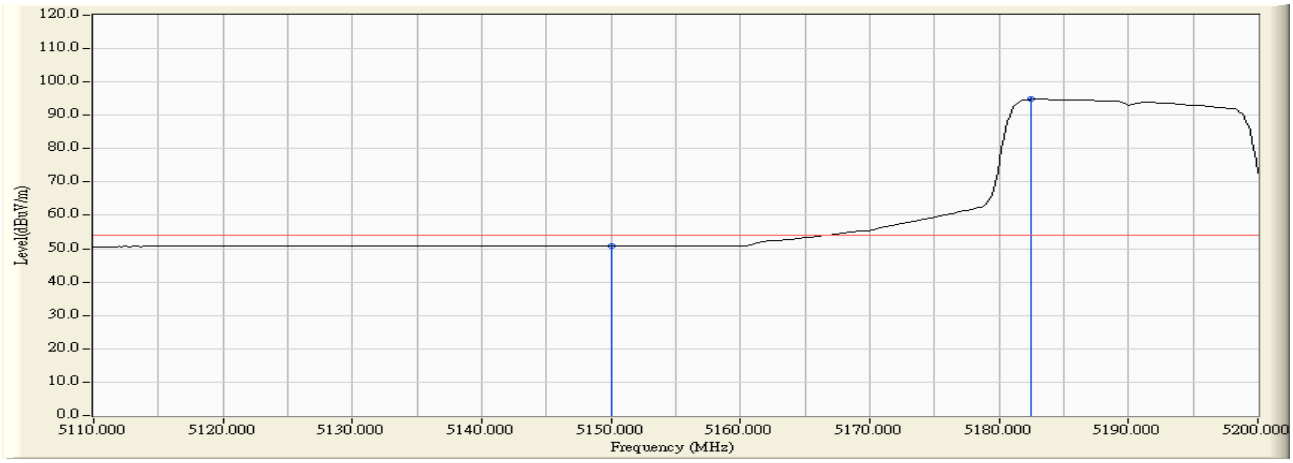

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.528 | 50.621 | -3.349 | 53.970 | AVERAGE |
| 2 | * | 5182.900 | 1.141 | 88.554 | 89.694 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:17** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain C** |



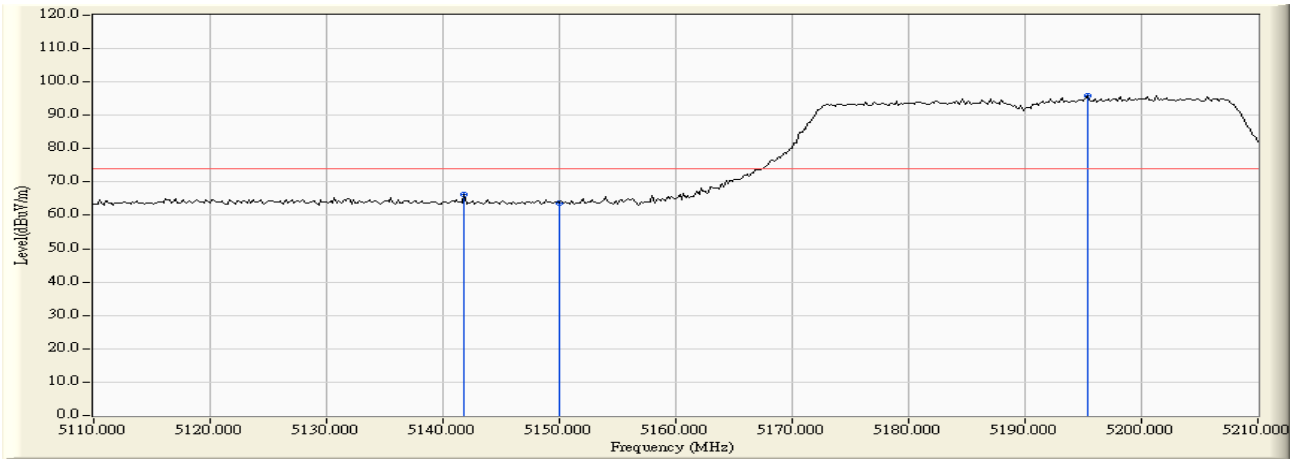

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5122.750 | 1.037 | 64.215 | 65.252 | -8.718 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 61.559 | 62.652 | -11.318 | 73.970 | PEAK |
| 3 | * | 5183.800 | 1.141 | 104.991 | 106.132 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:18** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain C** |



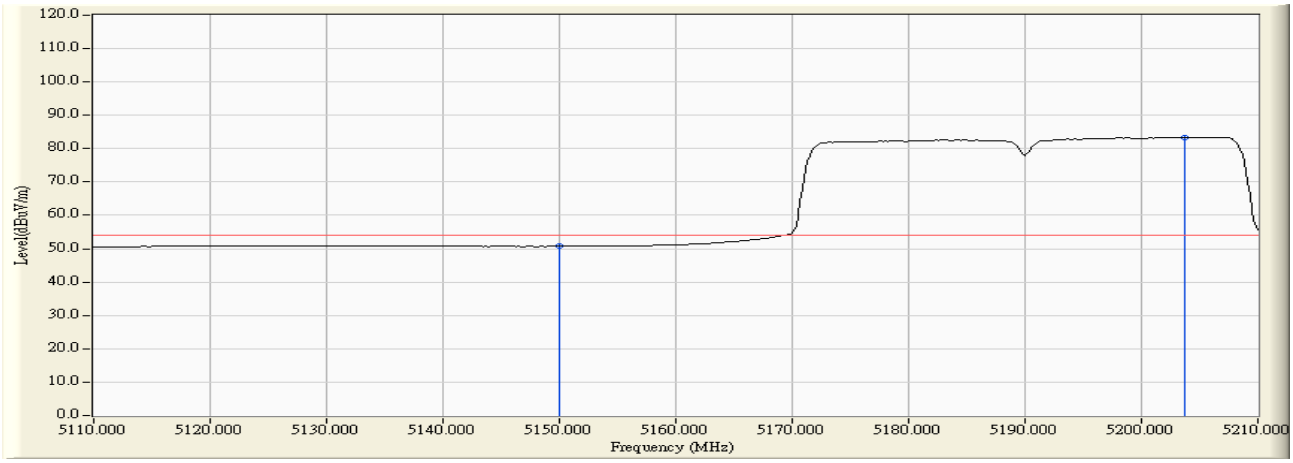

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.657 | 50.750 | -3.220 | 53.970 | AVERAGE |
| 2 | * | 5182.450 | 1.139 | 93.737 | 94.877 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:27** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain C** |



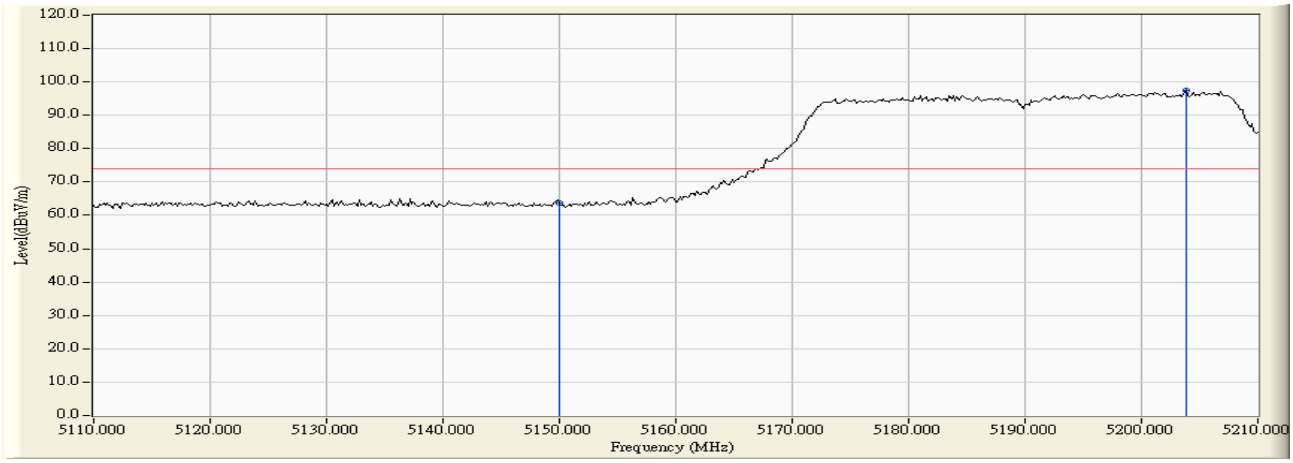

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5141.833 | 1.079 | 65.206 | 66.285 | -7.685 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 62.625 | 63.718 | -10.252 | 73.970 | PEAK |
| 3 | * | 5195.333 | 1.151 | 94.668 | 95.820 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:27** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain C** |



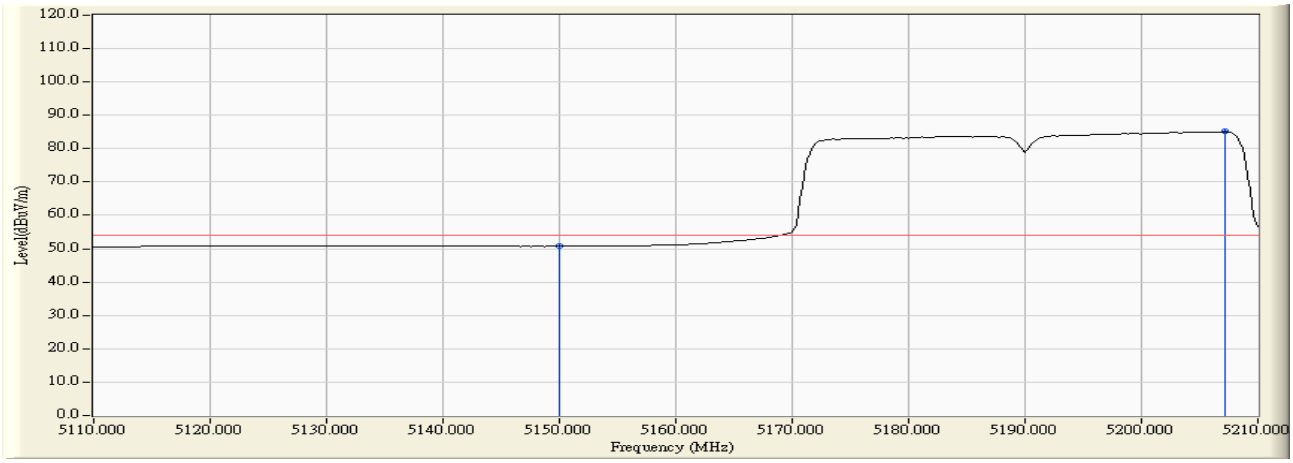

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.586 | 50.679 | -3.291 | 53.970 | AVERAGE |
| 2 | * | 5203.667 | 1.145 | 82.193 | 83.338 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:27** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain C** |



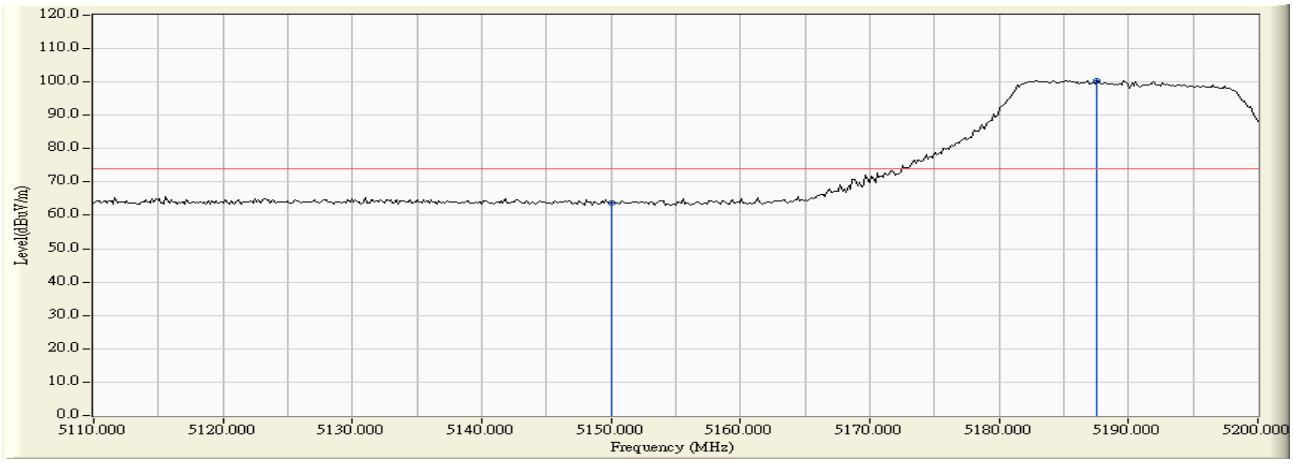

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 62.732 | 63.825 | -10.145 | 73.970 | PEAK |
| 2 | * | 5203.833 | 1.145 | 96.450 | 97.595 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:28** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain C** |



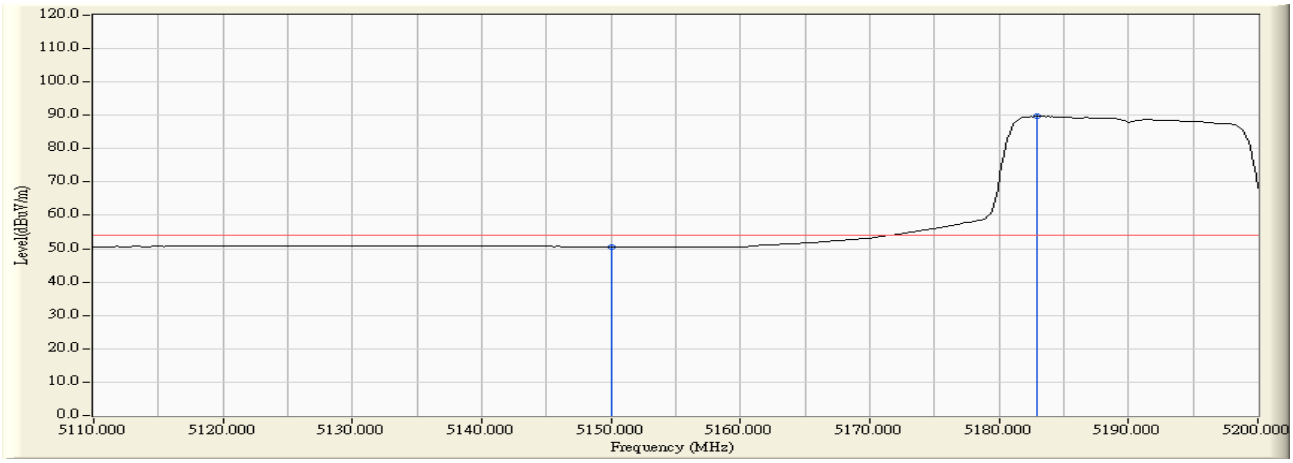

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.650 | 50.743 | -3.227 | 53.970 | AVERAGE |
| 2 | * | 5207.167 | 1.137 | 83.983 | 85.121 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:15** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain C** |



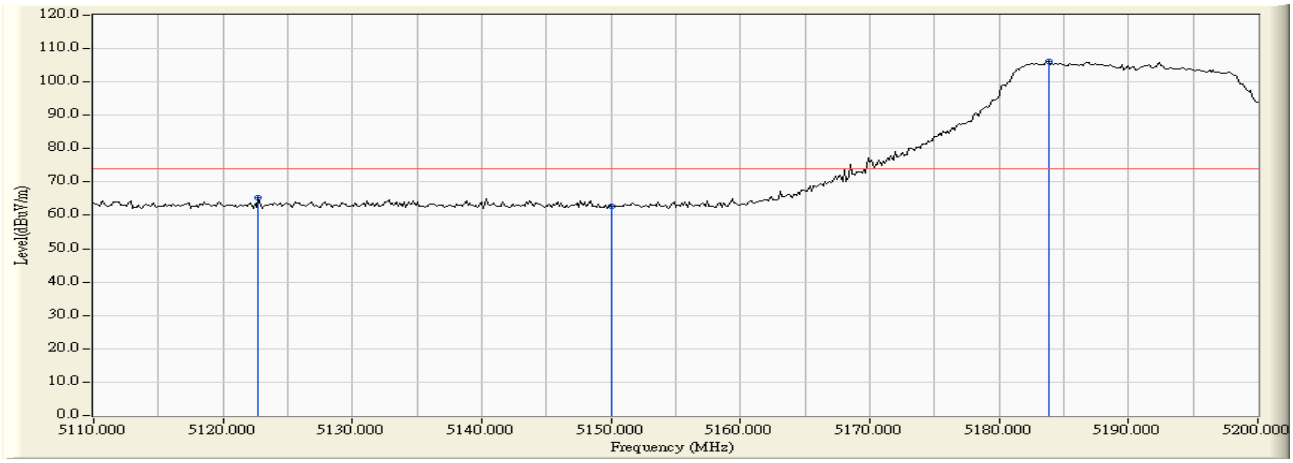

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 62.662 | 63.755 | -10.215 | 73.970 | PEAK |
| 2 | * | 5187.550 | 1.144 | 99.387 | 100.531 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:16** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain C** |



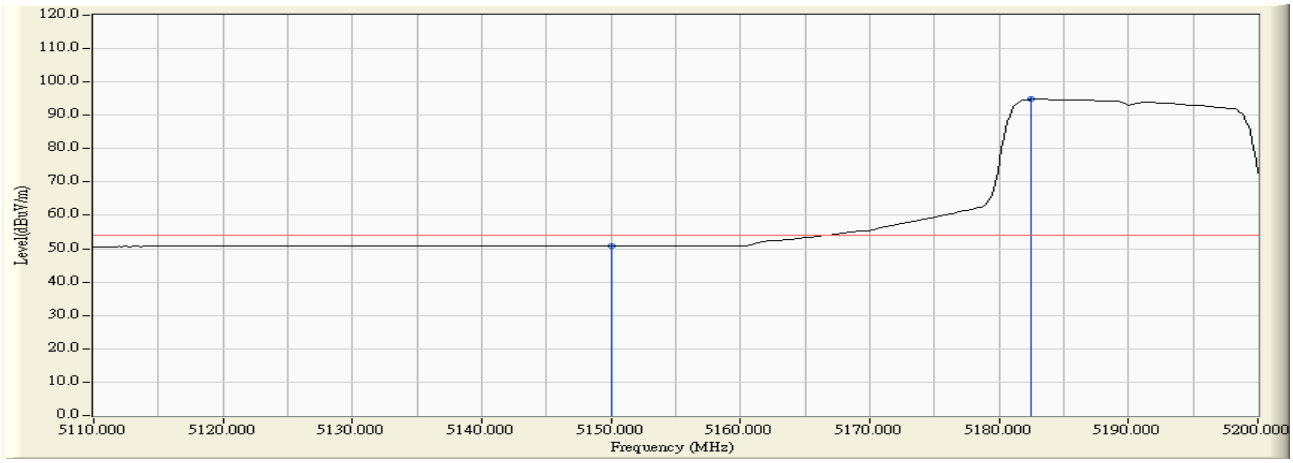

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.528 | 50.621 | -3.349 | 53.970 | AVERAGE |
| 2 | * | 5182.900 | 1.141 | 88.554 | 89.694 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:17** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain C** |



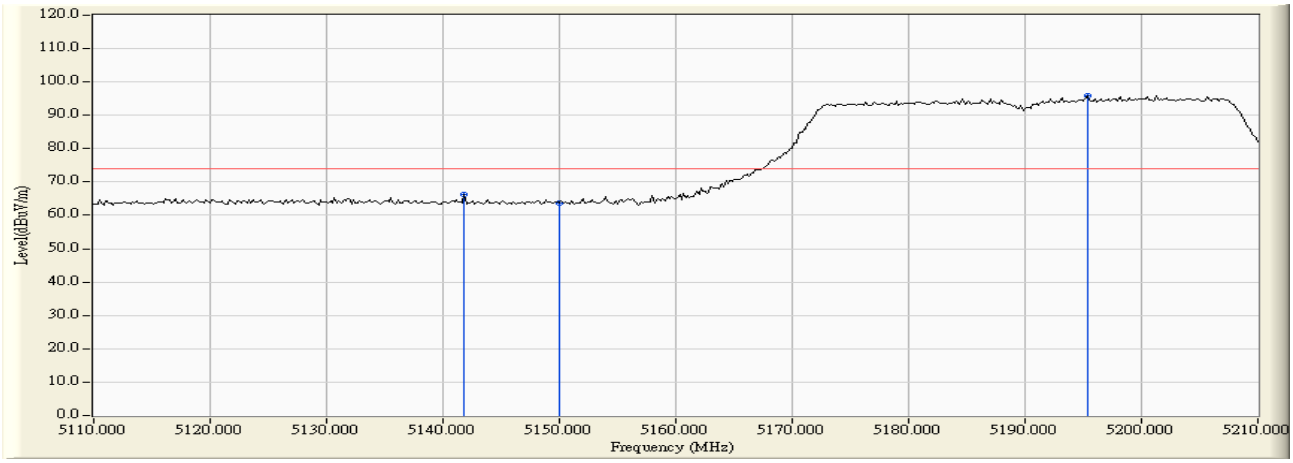

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5122.750 | 1.037 | 64.215 | 65.252 | -8.718 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 61.559 | 62.652 | -11.318 | 73.970 | PEAK |
| 3 | * | 5183.800 | 1.141 | 104.991 | 106.132 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:18** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain C** |



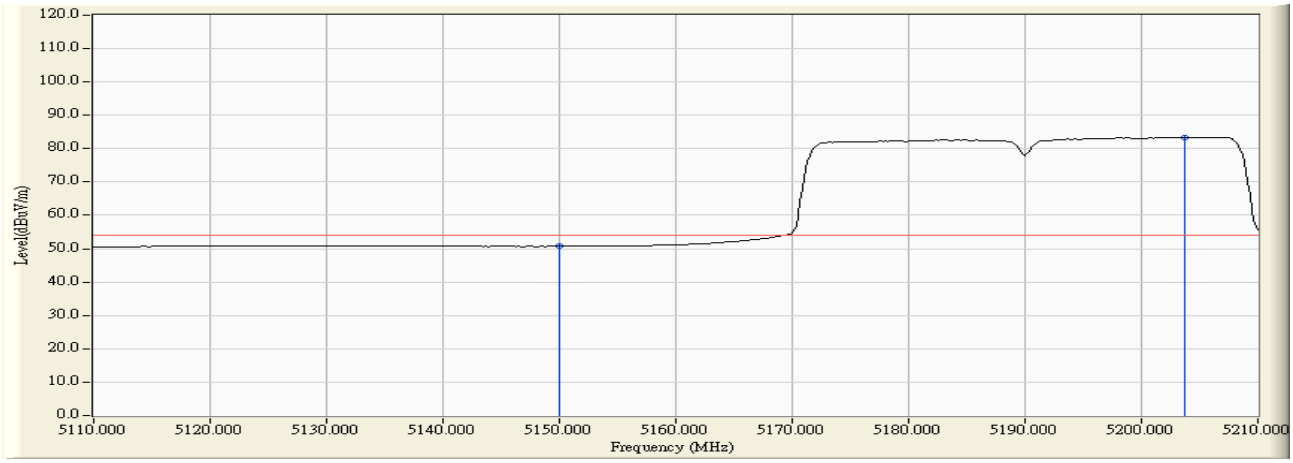

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.657 | 50.750 | -3.220 | 53.970 | AVERAGE |
| 2 | * | 5182.450 | 1.139 | 93.737 | 94.877 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:27** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain C** |



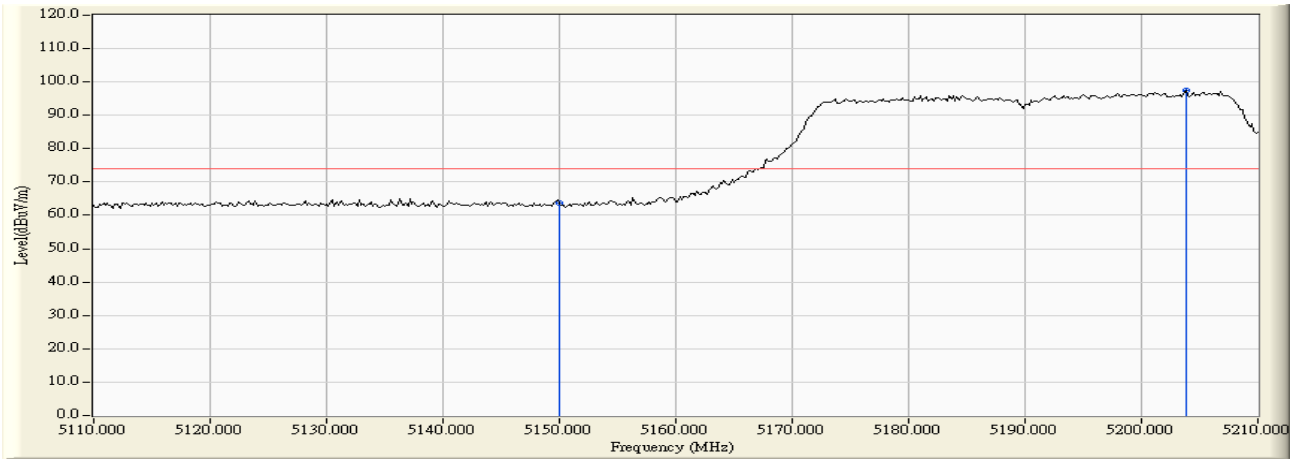

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5141.833 | 1.079 | 65.206 | 66.285 | -7.685 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 62.625 | 63.718 | -10.252 | 73.970 | PEAK |
| 3 | * | 5195.333 | 1.151 | 94.668 | 95.820 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:27** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain C** |



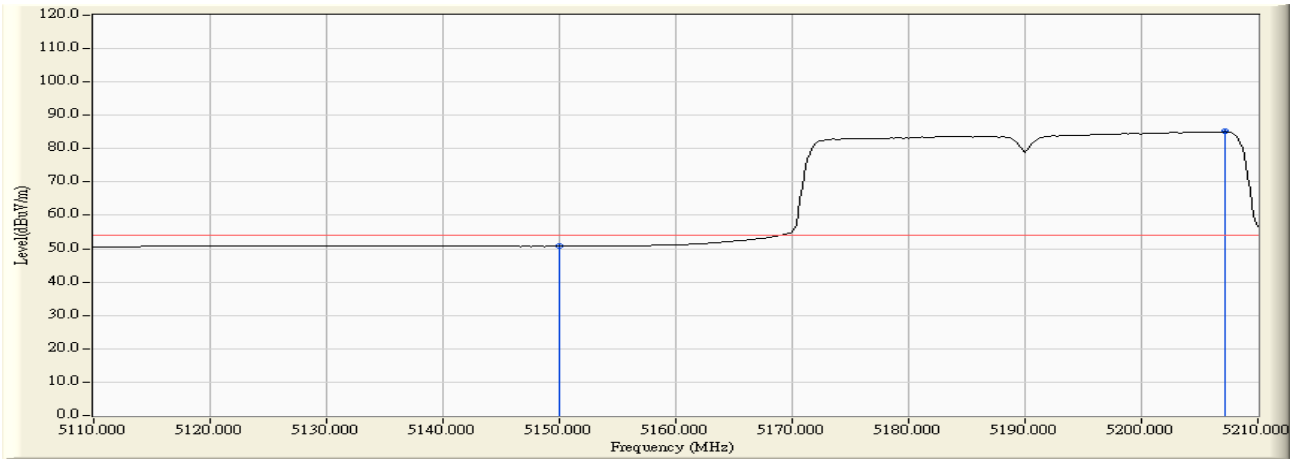

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.586 | 50.679 | -3.291 | 53.970 | AVERAGE |
| 2 | * | 5203.667 | 1.145 | 82.193 | 83.338 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:27** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain C** |



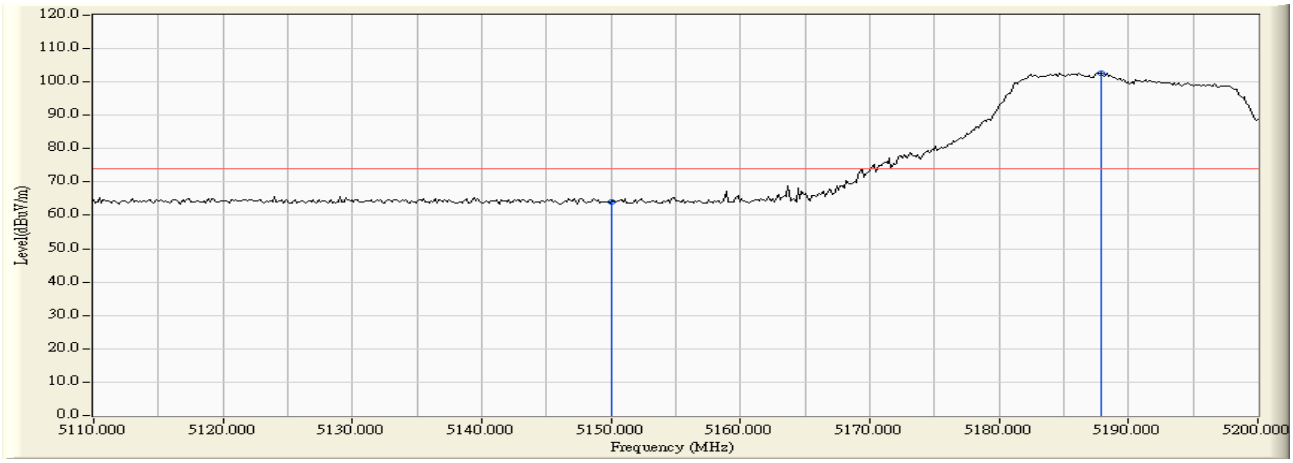

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 62.732 | 63.825 | -10.145 | 73.970 | PEAK |
| 2 | * | 5203.833 | 1.145 | 96.450 | 97.595 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/22 - 21:28** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain C** |



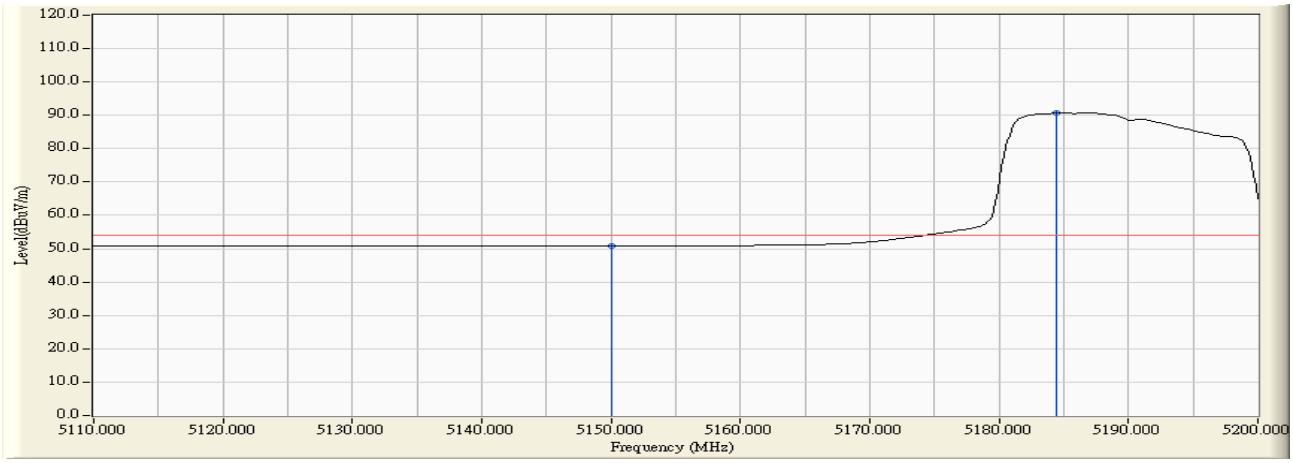

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.650 | 50.743 | -3.227 | 53.970 | AVERAGE |
| 2 | * | 5207.167 | 1.137 | 83.983 | 85.121 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 09:31** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A+B** |



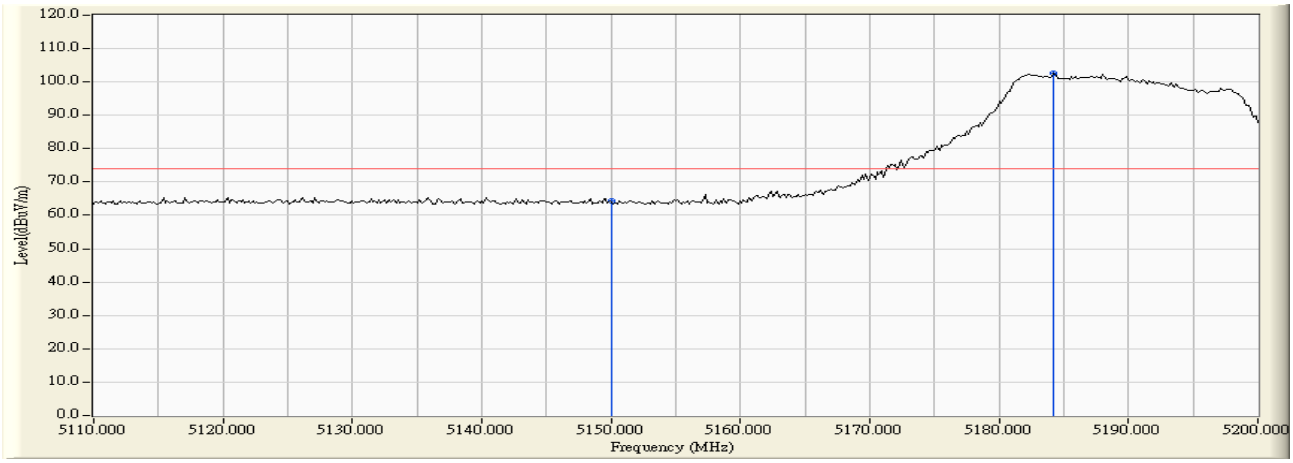

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 62.988 | 64.081 | -9.889 | 73.970 | PEAK |
| 2 | * | 5187.850 | 1.145 | 101.602 | 102.747 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 09:31** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A+B** |



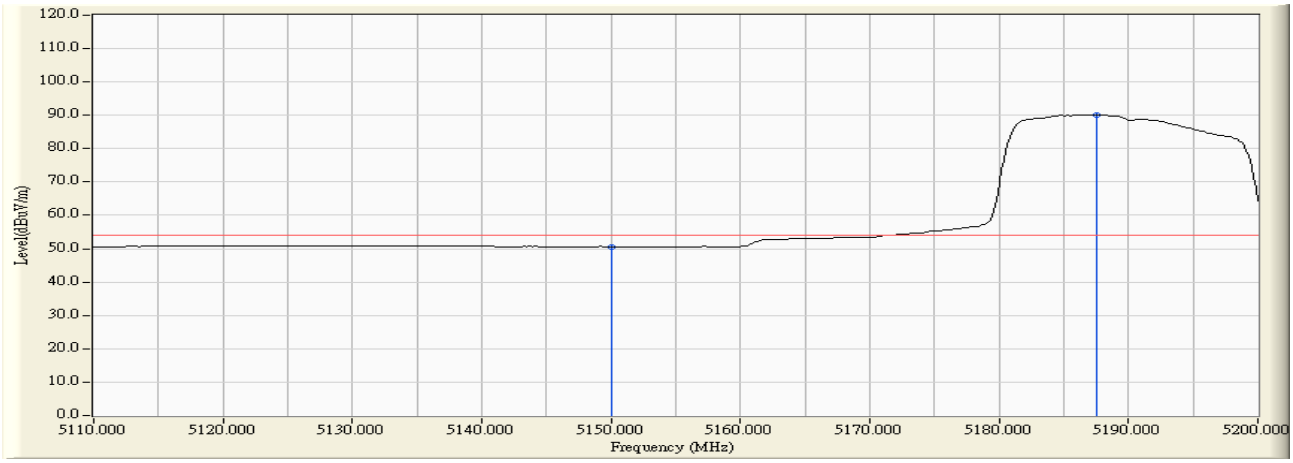

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.627 | 50.720 | -3.250 | 53.970 | AVERAGE |
| 2 | * | 5184.400 | 1.142 | 89.644 | 90.786 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 09:33** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A+B** |



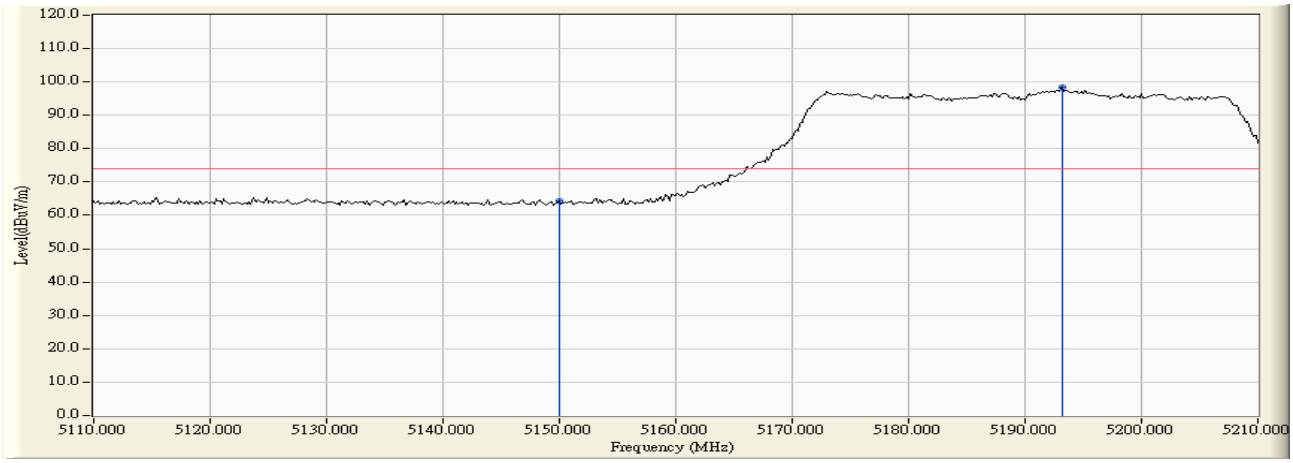

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 63.164 | 64.257 | -9.713 | 73.970 | PEAK |
| 2 | * | 5184.250 | 1.141 | 101.344 | 102.485 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 09:33** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A+B** |



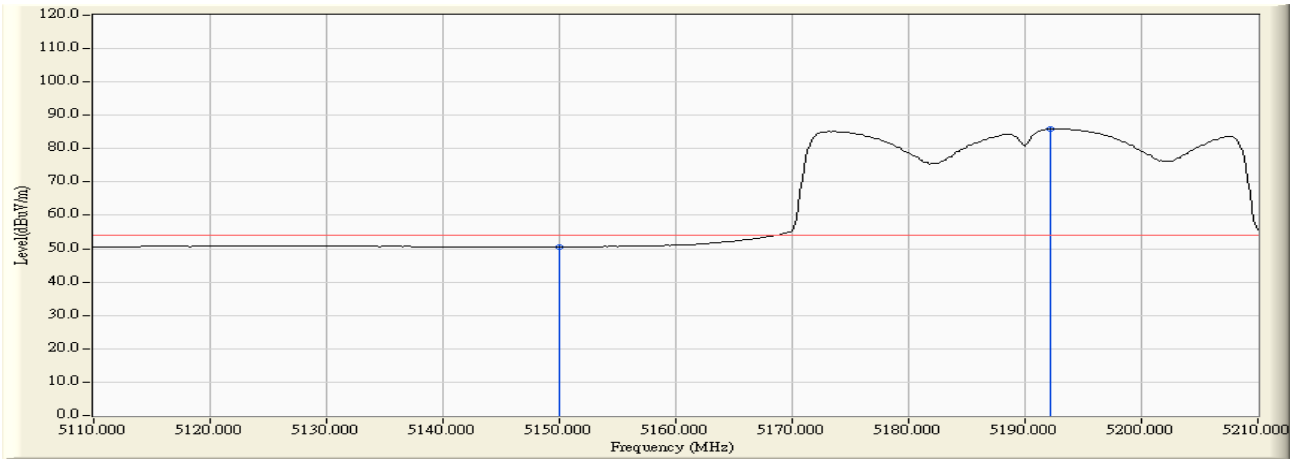

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.510 | 50.603 | -3.367 | 53.970 | AVERAGE |
| 2 | * | 5187.550 | 1.144 | 89.068 | 90.212 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 09:44** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A+B** |



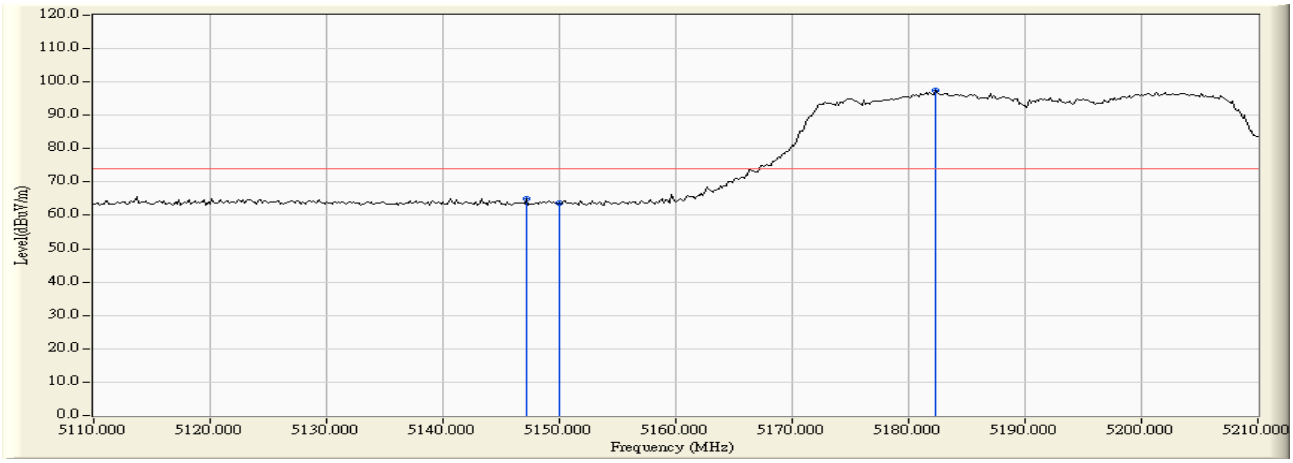

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 63.304 | 64.397 | -9.573 | 73.970 | PEAK |
| 2 | * | 5193.167 | 1.150 | 97.402 | 98.552 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 09:45** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A+B** |



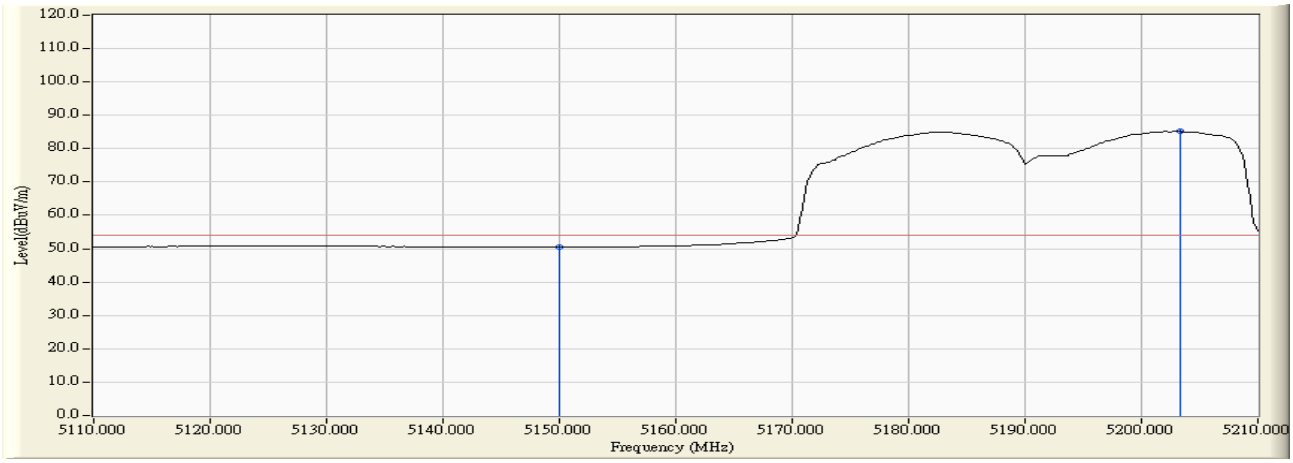

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.502 | 50.595 | -3.375 | 53.970 | AVERAGE |
| 2 | * | 5192.167 | 1.149 | 84.748 | 85.897 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 09:46** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A+B** |



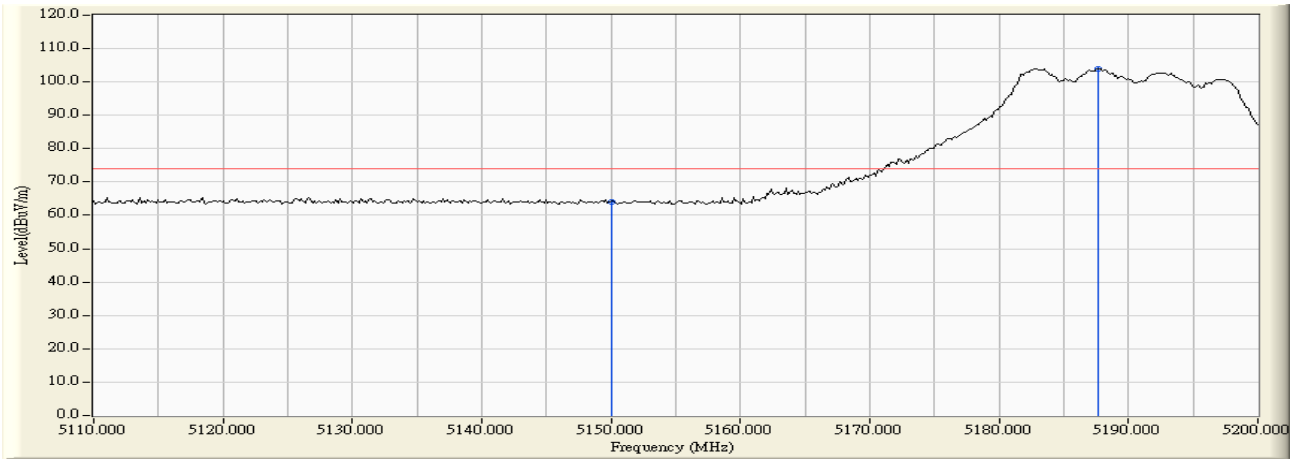

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5147.167 | 1.089 | 63.835 | 64.924 | -9.046 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 62.492 | 63.585 | -10.385 | 73.970 | PEAK |
| 3 | * | 5182.333 | 1.140 | 96.420 | 97.560 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 09:47** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A+B** |



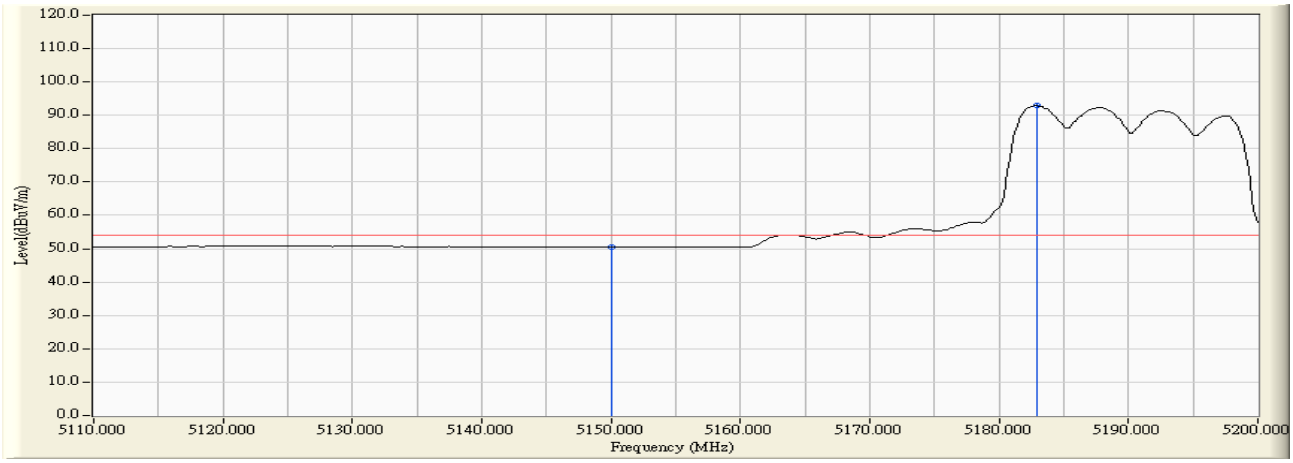

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.423 | 50.516 | -3.454 | 53.970 | AVERAGE |
| 2 | * | 5203.333 | 1.146 | 84.052 | 85.198 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 09:59** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A+C** |



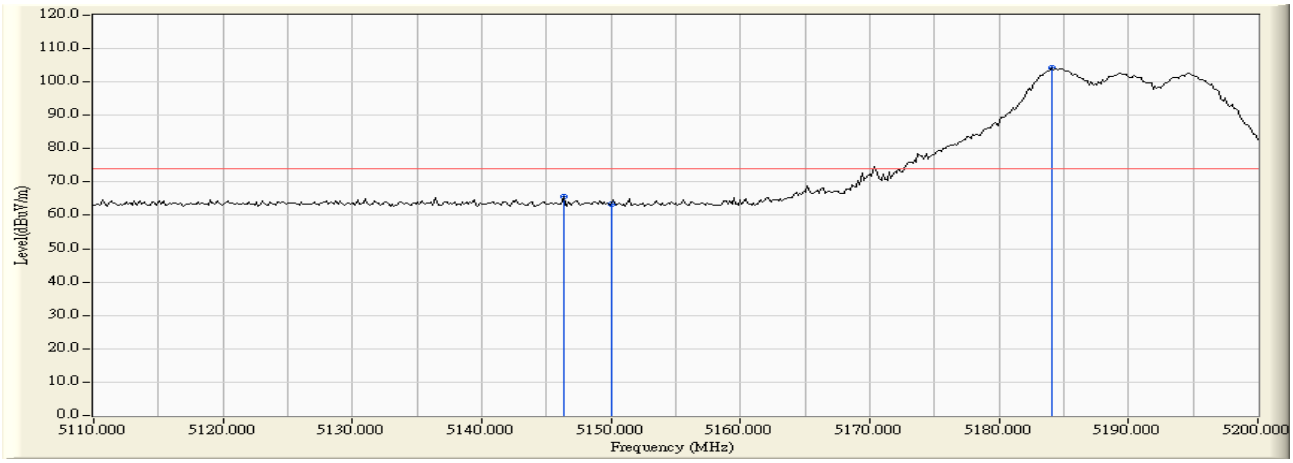

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 63.049 | 64.142 | -9.828 | 73.970 | PEAK |
| 2 | * | 5187.700 | 1.144 | 102.901 | 104.046 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 09:59** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A+C** |



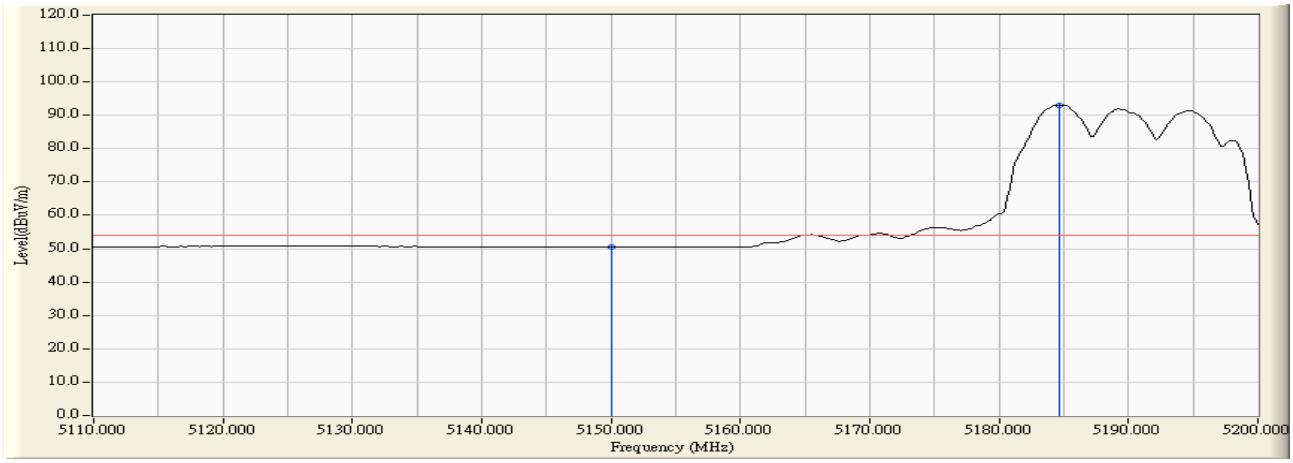

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.386 | 50.479 | -3.491 | 53.970 | AVERAGE |
| 2 | * | 5182.900 | 1.141 | 91.839 | 92.979 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 10:00** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A+C** |



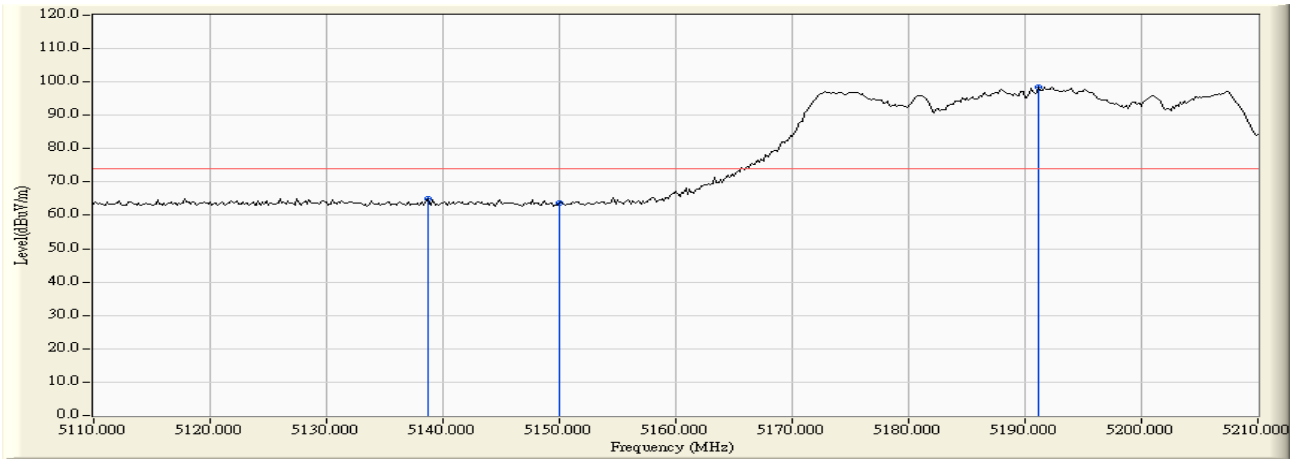

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5146.300 | 1.087 | 64.422 | 65.509 | -8.461 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 62.424 | 63.517 | -10.453 | 73.970 | PEAK |
| 3 | * | 5184.100 | 1.141 | 103.057 | 104.198 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 10:01** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A+C** |



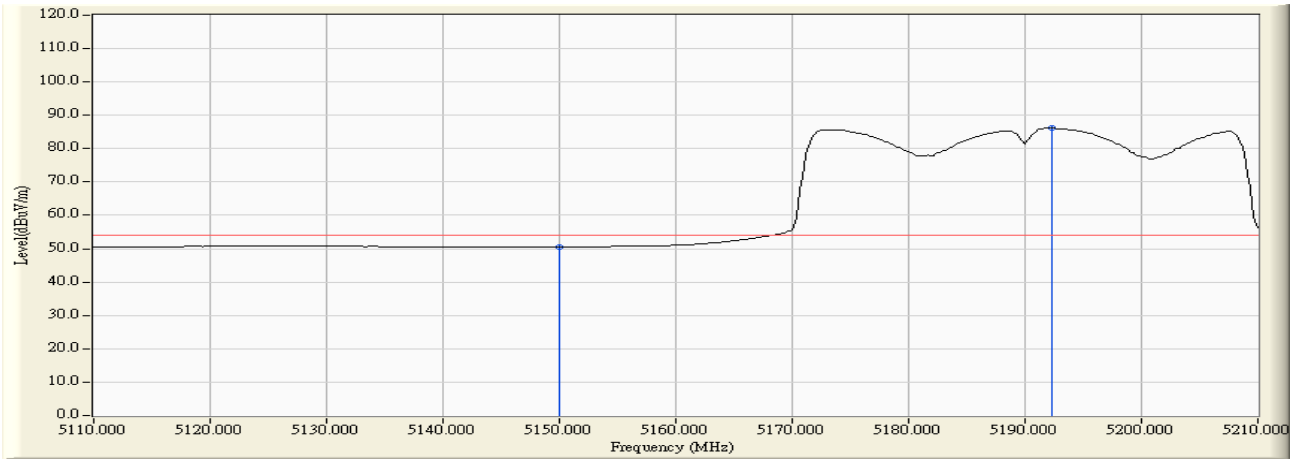

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.432 | 50.525 | -3.445 | 53.970 | AVERAGE |
| 2 | * | 5184.700 | 1.142 | 91.939 | 93.081 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 10:10** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A+C** |



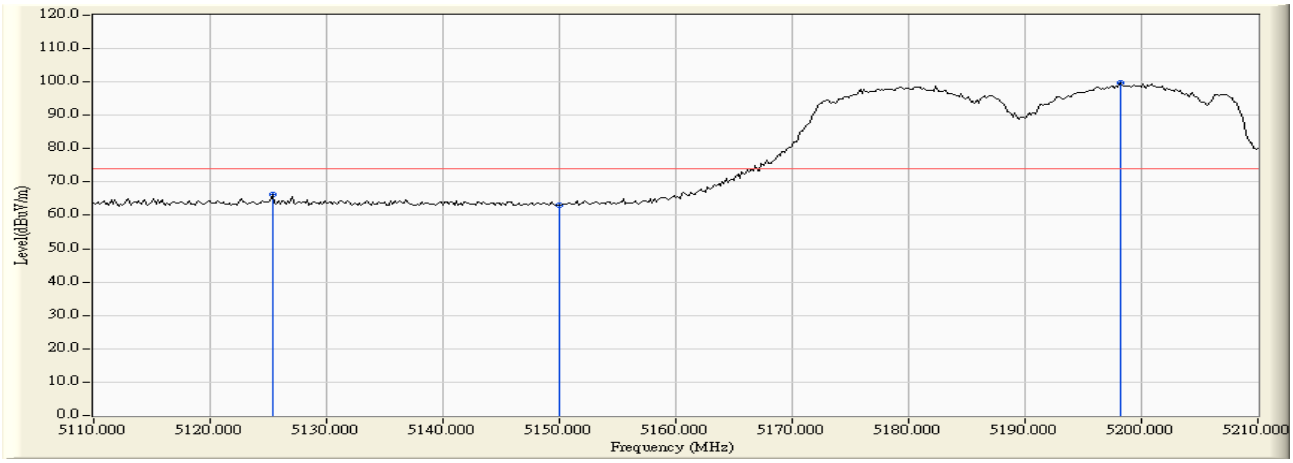

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5138.667 | 1.073 | 64.020 | 65.093 | -8.877 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 62.545 | 63.638 | -10.332 | 73.970 | PEAK |
| 3 | * | 5191.167 | 1.148 | 97.311 | 98.459 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 10:10** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A+C** |



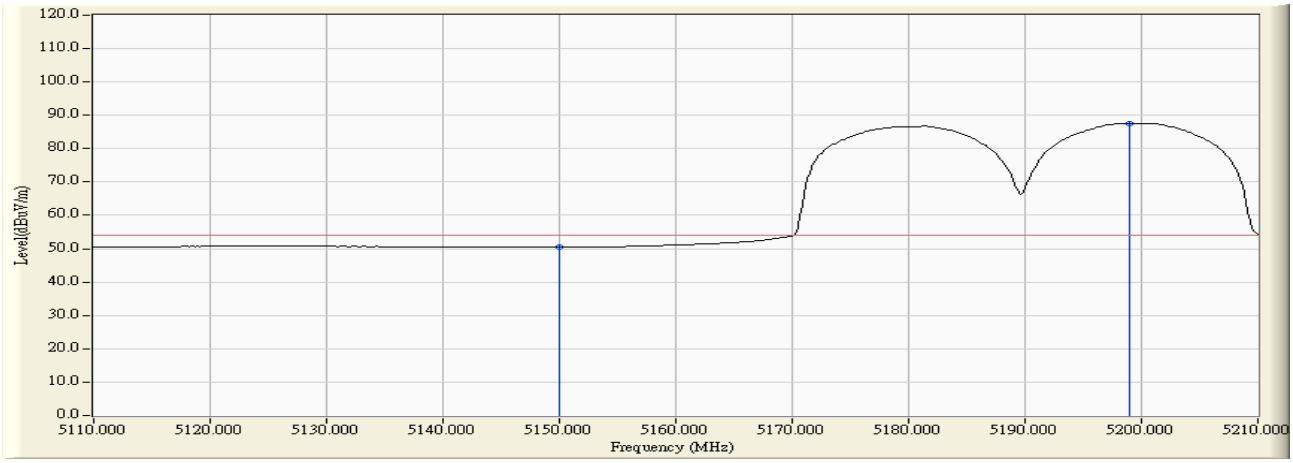

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.500 | 50.593 | -3.377 | 53.970 | AVERAGE |
| 2 | * | 5192.333 | 1.148 | 85.057 | 86.206 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 10:12** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A+C** |



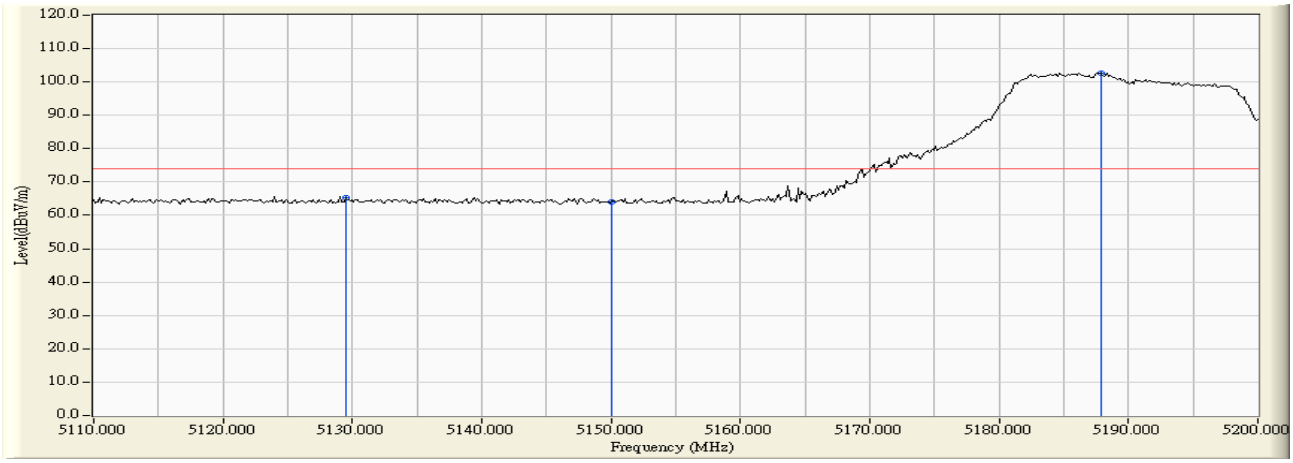

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5125.333 | 1.043 | 65.344 | 66.388 | -7.582 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 62.045 | 63.138 | -10.832 | 73.970 | PEAK |
| 3 | * | 5198.167 | 1.155 | 98.472 | 99.626 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 10:12** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A+C** |



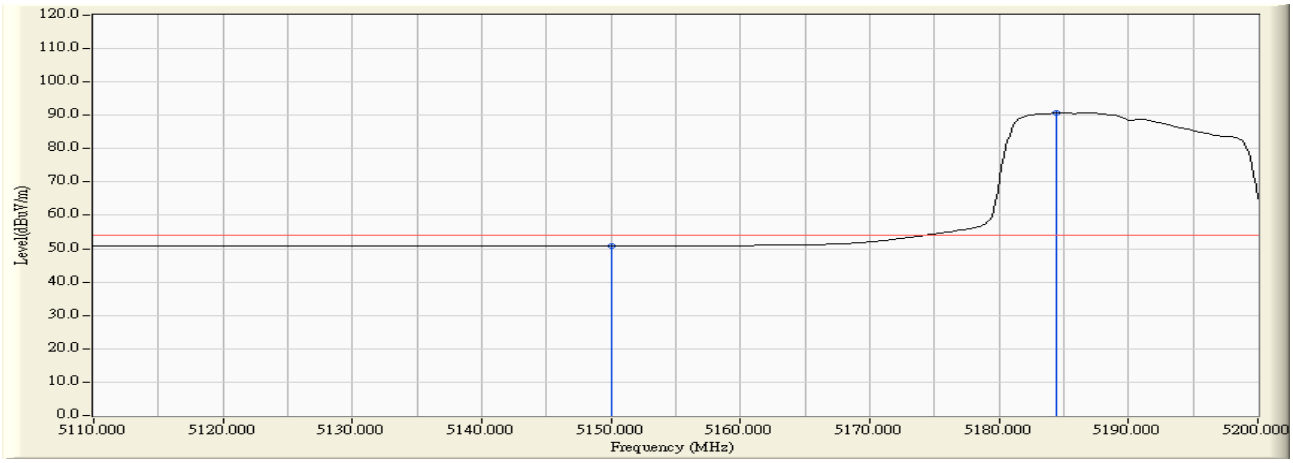

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.384 | 50.477 | -3.493 | 53.970 | AVERAGE |
| 2 | * | 5199.000 | 1.155 | 86.495 | 87.650 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/24 - 09:31** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain B+C** |



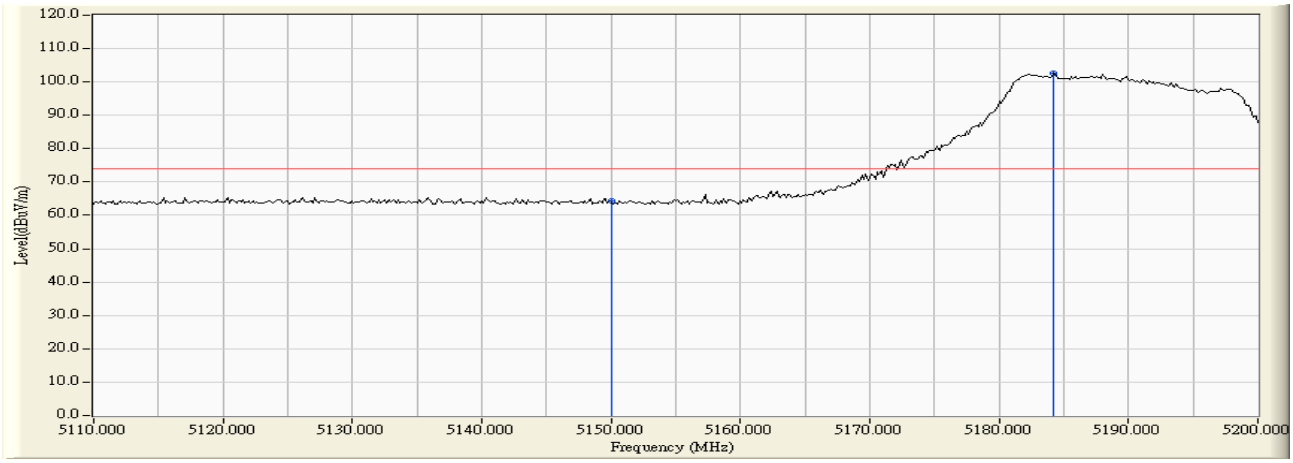

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5129.500 | 1.054 | 64.360 | 65.414 | -8.556 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 62.988 | 64.081 | -9.889 | 73.970 | PEAK |
| 3 | * | 5187.850 | 1.145 | 101.602 | 102.747 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/24 - 09:31** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain B+C** |



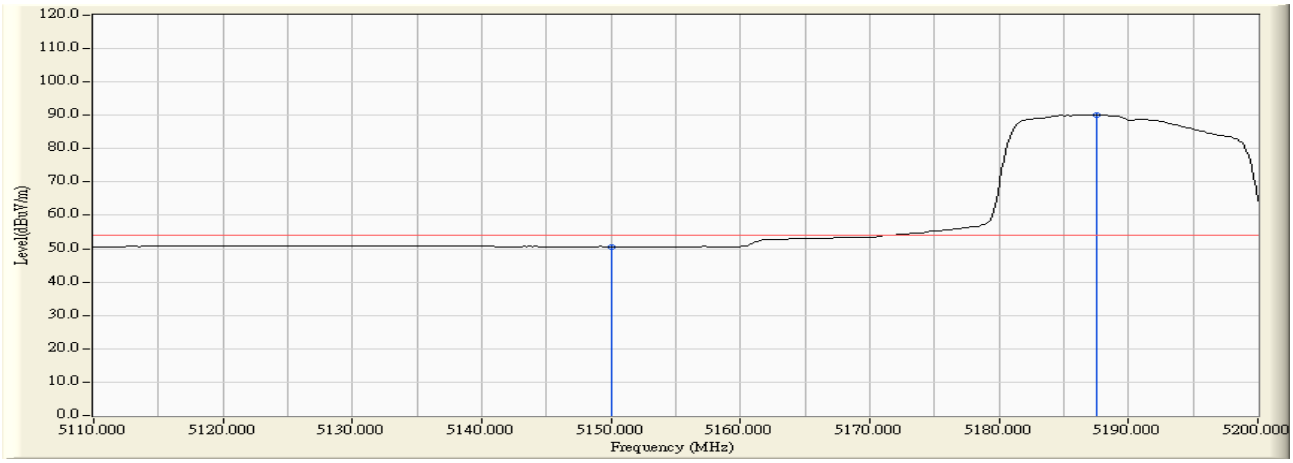

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.627 | 50.720 | -3.250 | 53.970 | AVERAGE |
| 2 | * | 5184.400 | 1.142 | 89.644 | 90.786 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/24 - 09:33** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain B+C** |



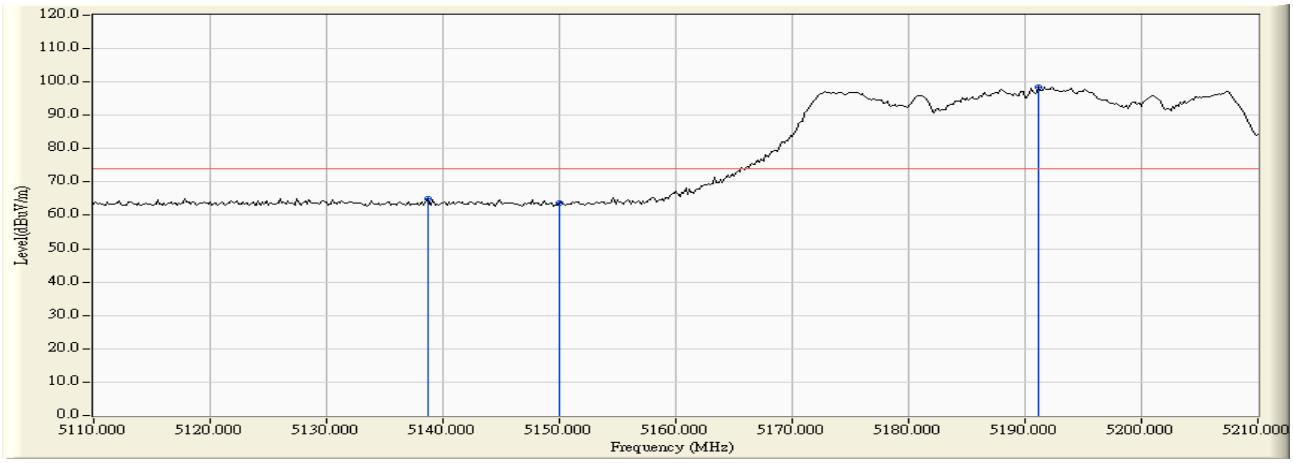

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 63.164 | 64.257 | -9.713 | 73.970 | PEAK |
| 2 | * | 5184.250 | 1.141 | 101.344 | 102.485 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/24 - 09:33** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain B+C** |



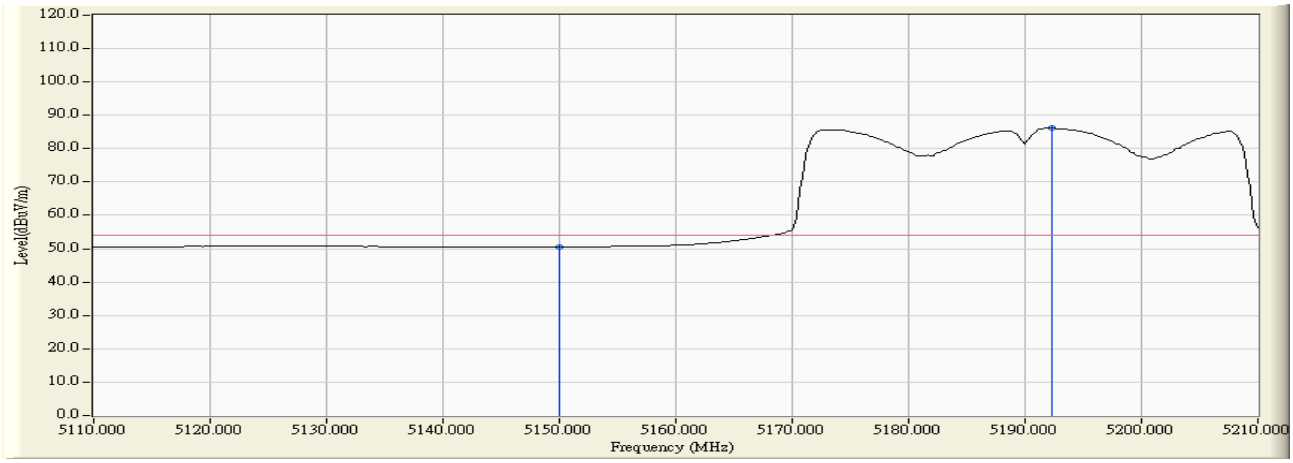

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.510 | 50.603 | -3.367 | 53.970 | AVERAGE |
| 2 | * | 5187.550 | 1.144 | 89.068 | 90.212 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/24 - 10:10** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain B+C** |



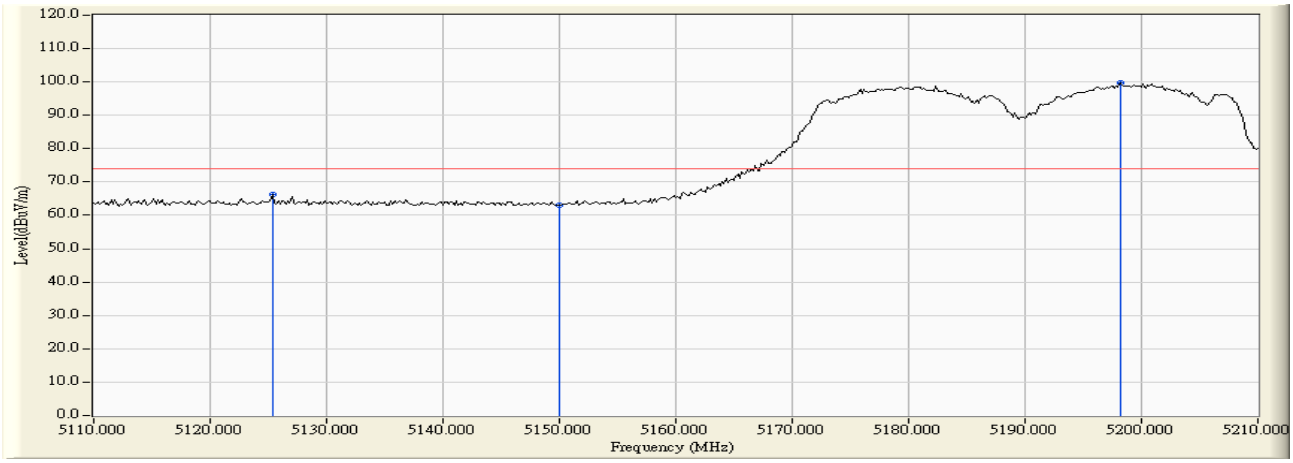

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5138.667 | 1.073 | 64.020 | 65.093 | -8.877 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 62.545 | 63.638 | -10.332 | 73.970 | PEAK |
| 3 | * | 5191.167 | 1.148 | 97.311 | 98.459 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/24 - 10:10** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain B+C** |



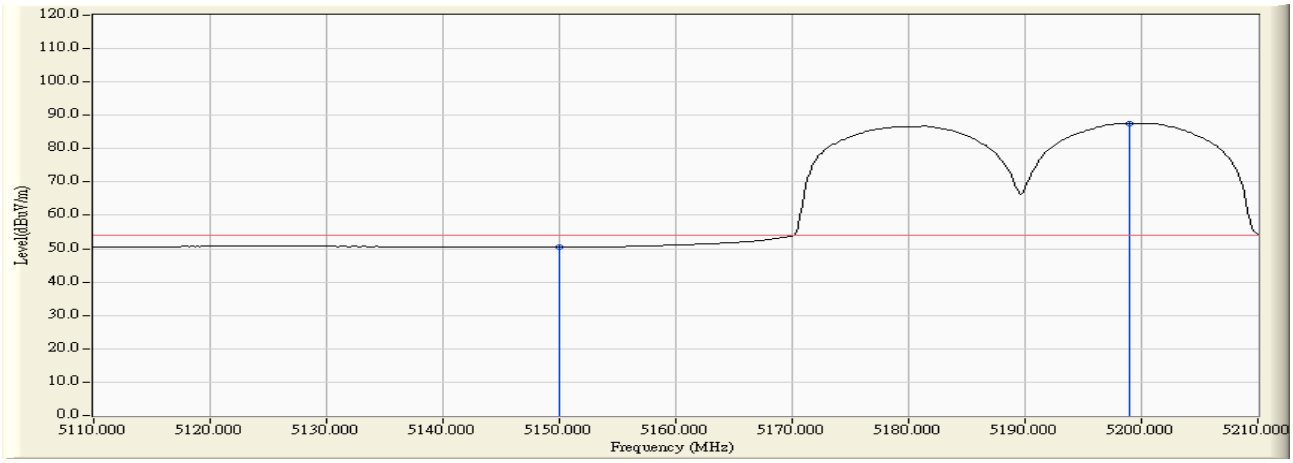

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.500 | 50.593 | -3.377 | 53.970 | AVERAGE |
| 2 | * | 5192.333 | 1.148 | 85.057 | 86.206 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/24 - 10:12** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain B+C** |



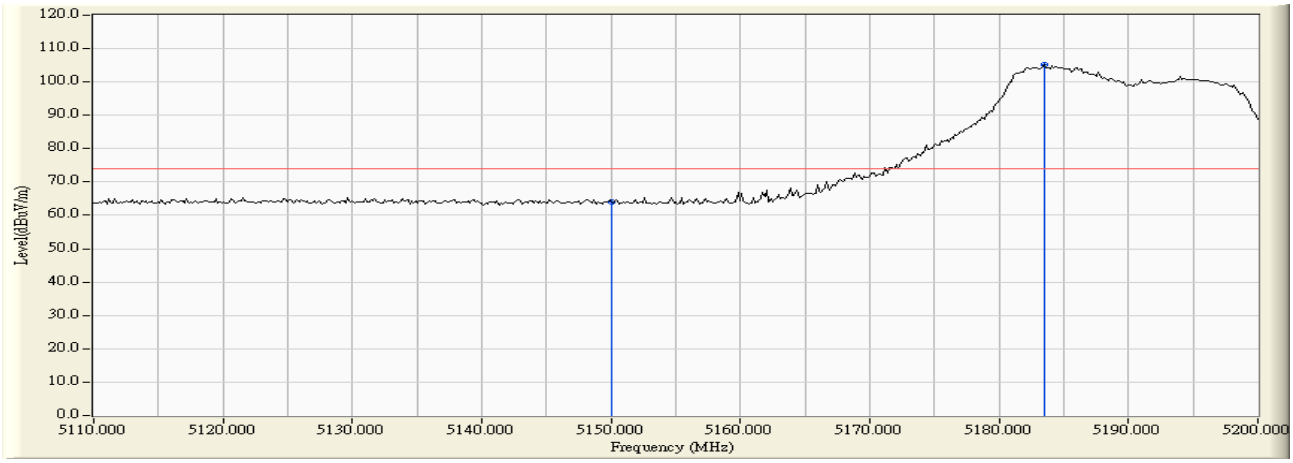

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5125.333 | 1.043 | 65.344 | 66.388 | -7.582 | 73.970 | PEAK |
| 2 | | 5150.000 | 1.093 | 62.045 | 63.138 | -10.832 | 73.970 | PEAK |
| 3 | * | 5198.167 | 1.155 | 98.472 | 99.626 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/24 - 10:12** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain B+C** |



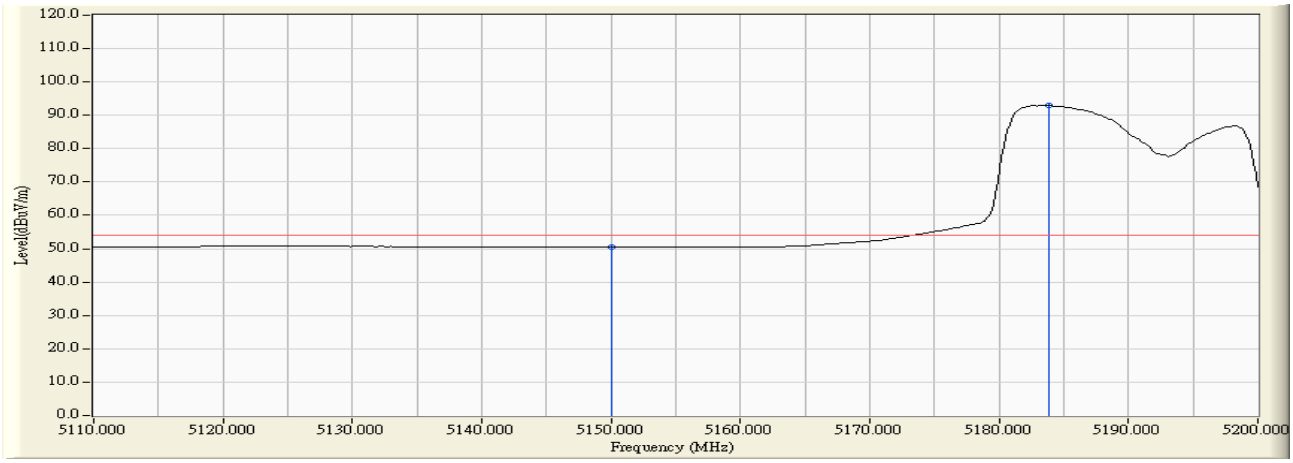

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.384 | 50.477 | -3.493 | 53.970 | AVERAGE |
| 2 | * | 5199.000 | 1.155 | 86.495 | 87.650 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 10:45** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A+B+C** |



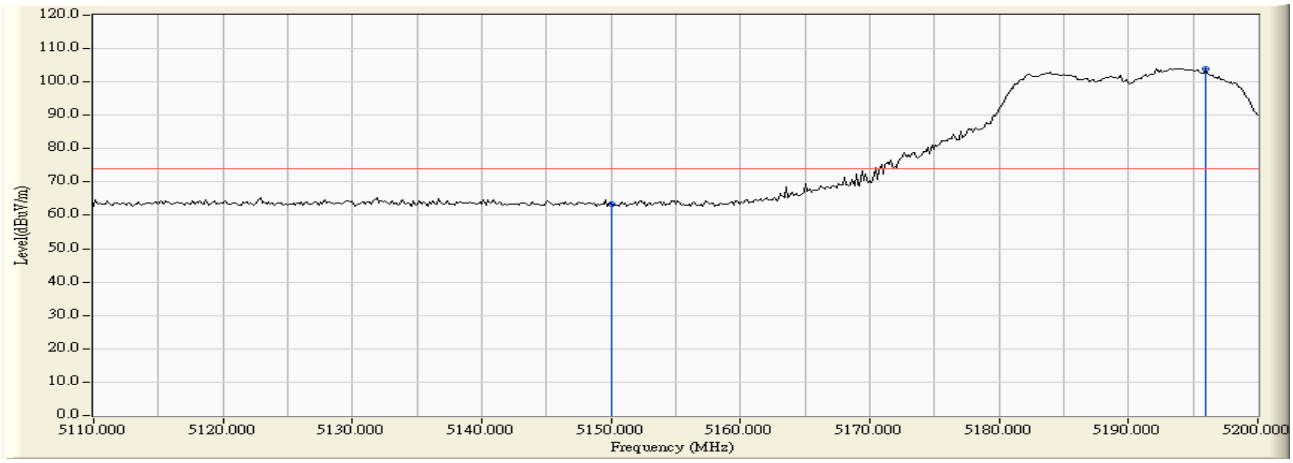

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 63.034 | 64.127 | -9.843 | 73.970 | PEAK |
| 2 | * | 5183.500 | 1.141 | 103.964 | 105.105 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 10:46** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A+B+C** |



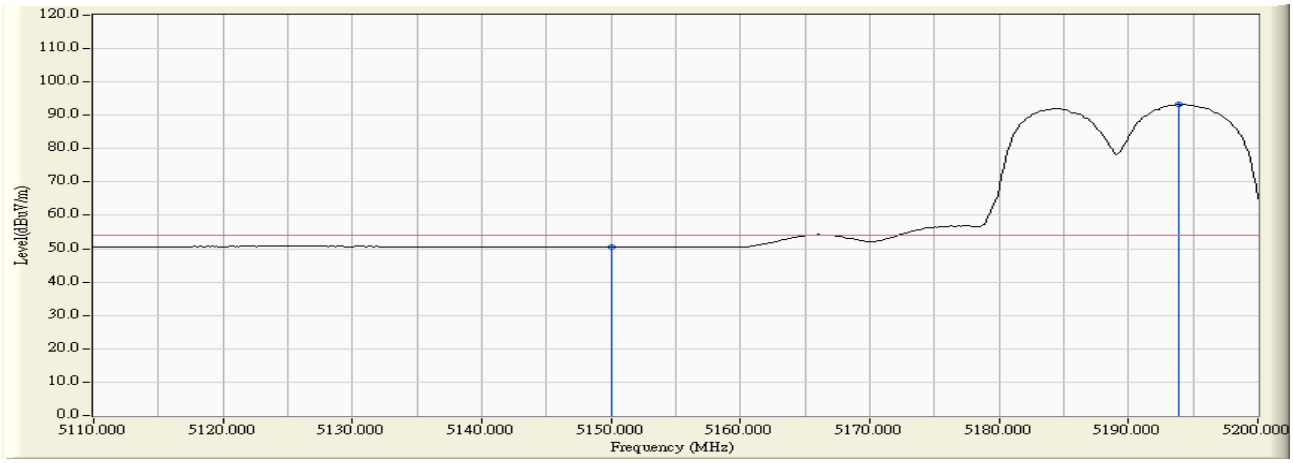

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.352 | 50.445 | -3.525 | 53.970 | AVERAGE |
| 2 | * | 5183.800 | 1.141 | 91.822 | 92.963 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 10:47** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A+B+C** |



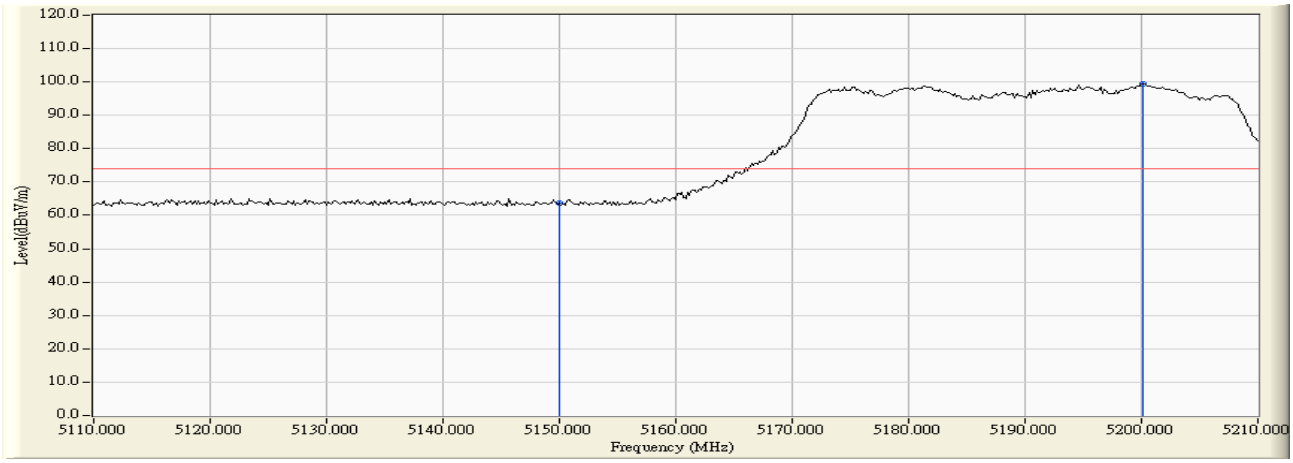

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 62.300 | 63.393 | -10.577 | 73.970 | PEAK |
| 2 | * | 5195.950 | 1.152 | 102.805 | 103.957 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 10:47** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 2: Transmit at channel 5180MHz By 802.11n(20MHz) Chain A+B+C** |



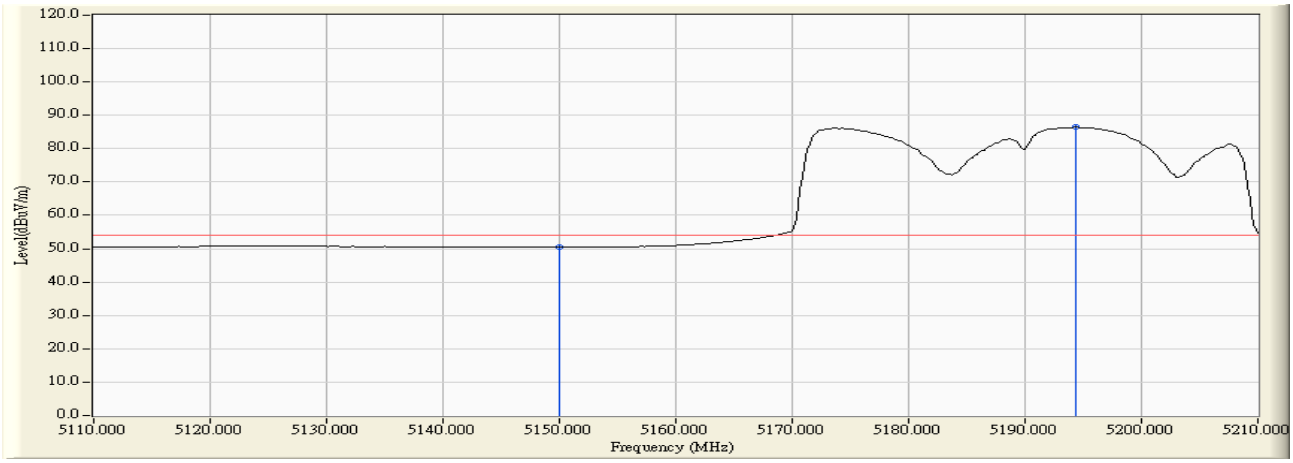

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.311 | 50.404 | -3.566 | 53.970 | AVERAGE |
| 2 | * | 5193.850 | 1.150 | 92.056 | 93.206 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 10:59** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A+B+C** |



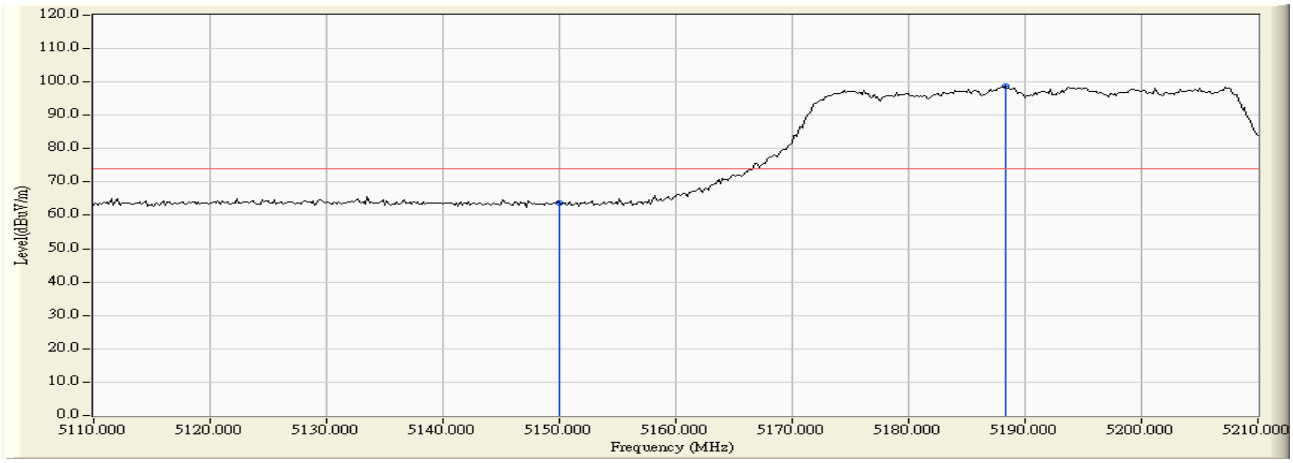

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 62.498 | 63.591 | -10.379 | 73.970 | PEAK |
| 2 | * | 5200.167 | 1.152 | 98.221 | 99.374 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 10:59** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - HORIZONTAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A+B+C** |



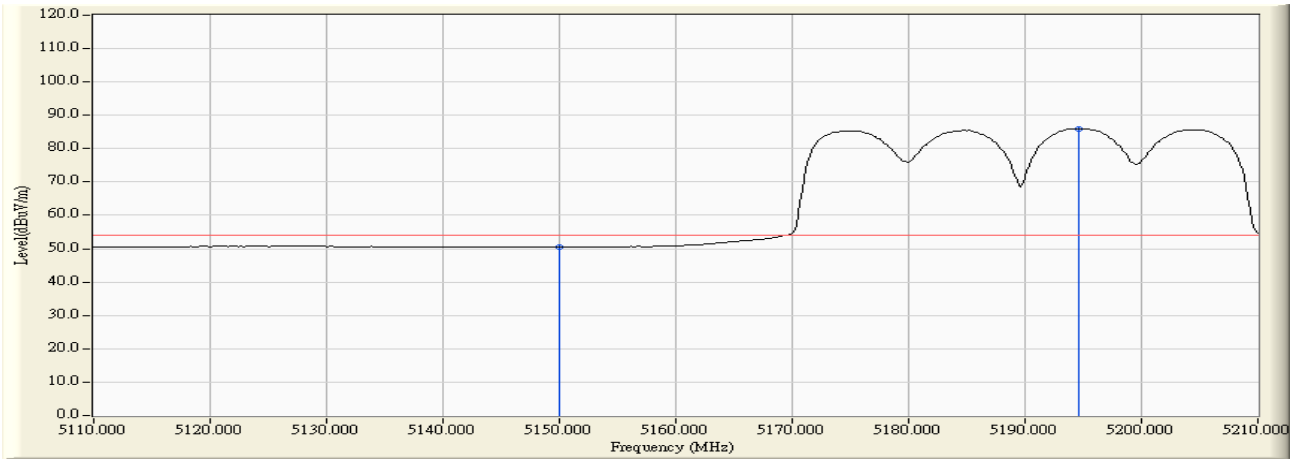

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.358 | 50.451 | -3.519 | 53.970 | AVERAGE |
| 2 | * | 5194.333 | 1.150 | 85.296 | 86.447 | N/A | N/A | AVERAGE |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 11:00** |
| **Limit : FCC_SpartC_15.209_03M_PK** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A+B+C** |




| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 62.583 | 63.676 | -10.294 | 73.970 | PEAK |
| 2 | * | 5188.333 | 1.146 | 97.564 | 98.709 | N/A | N/A | PEAK |

| | |
|---|---|
| **Engineer : Jame** | |
| **Site : AC-2 (3m Semi-Anechoic Chamber)** | **Time : 2009/07/23 - 11:00** |
| **Limit : FCC_SpartC_15.209_03M_AV** | **Margin : 0** |
| **Probe : 9120D_499(1-18GHz) - VERTICAL** | **Power : AC 120V/60Hz** |
| **EUT : Wireless LAN Access Point** | **Note : Mode 3: Transmit at channel 5190MHz By 802.11n(40MHz) Chain A+B+C** |




| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|---|---|---|---|---|---|---|
| 1 | | 5150.000 | 1.093 | 49.363 | 50.456 | -3.514 | 53.970 | AVERAGE |
| 2 | * | 5194.667 | 1.151 | 84.893 | 86.044 | N/A | N/A | AVERAGE |

# 11. Frequency Stability

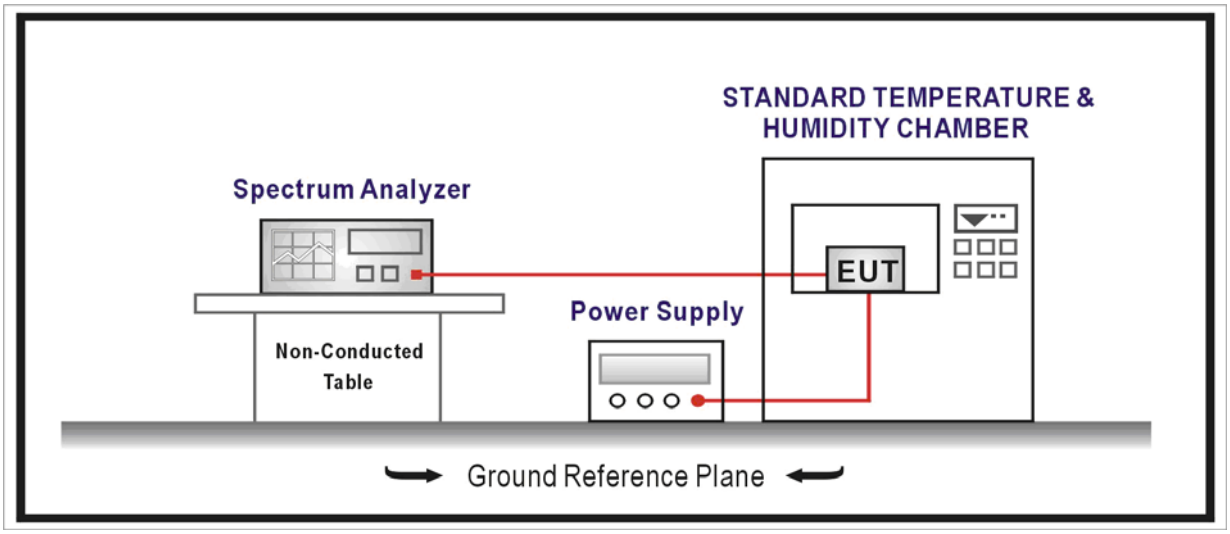
## 11.1. Test Equipment

Frequency Stability / AC-6

| Instrument | Manufacturer | Type No. | Serial No. | Cal. Date |
|---|---|---|---|---|
| Spectrum Analyzer | Agilent | E4446A | MY45300103 | 2009/06/11 |
| AC Power Supply | IDRC | CF-500TP | 979422 | 2008/10/30 |
| DC Power Supply | IDRC | CD-035-020PR | 977272 | 2008/10/30 |
| Programmable Temperature & Humidity Chamber | Gaoyu | TH-1P-B | WIT-05121302 | 2009/01/19 |
| Coaxial Cable | Huber+Suhner | AC4-RF | 09 | 2008/11/25 |
| Temperature/Humidity Meter | zhicheng | ZC1-2 | QT-TH007 | 2009/03/30 |

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

## 11.2. Test Setup




## 11.3. Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

## 11.4. Test Procedure

**Frequency Stability Under Temperature Variations:**

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20℃ operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10℃ decreased per stage until the lowest temperature reached.

**Frequency Stability Under Voltage Variations:**

Set chamber temperature to 20℃. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.
Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, record the maximum frequency change.

## 11.5. Uncertainty

The measurement uncertainty is defined as ± 100 Hz

## 11.6. Test Result

| | | |
|---|---|---|
| Product | : | Wireless LAN Access Point |
| Test Item | : | Frequency Stability |
| Test Site | : | AC-6 |
| Test Mode | : | Carrier Transmit |

| Operating Frequency: 5180MHz | | | | | |
|---|---|---|---|---|---|
| Temp (℃) | Voltage (AC) | Frequency Tolerance (ppm) | | | |
| | | 0 minutes | 2 minutes | 5 minutes | 10 minutes |
| -20 | 102 | 2.13 | 2.13 | 2.19 | 2.18 |
| | 120 | 1.98 | 1.97 | 1.96 | 1.98 |
| | 138 | 2.22 | 2.21 | 2.21 | 2.14 |
| 20 | 102 | 2.13 | 2.13 | 2.19 | 2.18 |
| | 120 | 1.96 | 1.96 | 1.95 | 1.94 |
| | 138 | 2.21 | 2.21 | 2.21 | 2.14 |
| 55 | 102 | 2.13 | 2.13 | 2.19 | 2.18 |
| | 120 | 1.97 | 1.96 | 1.96 | 1.94 |
| | 138 | 2.22 | 2.20 | 2.18 | 2.16 |