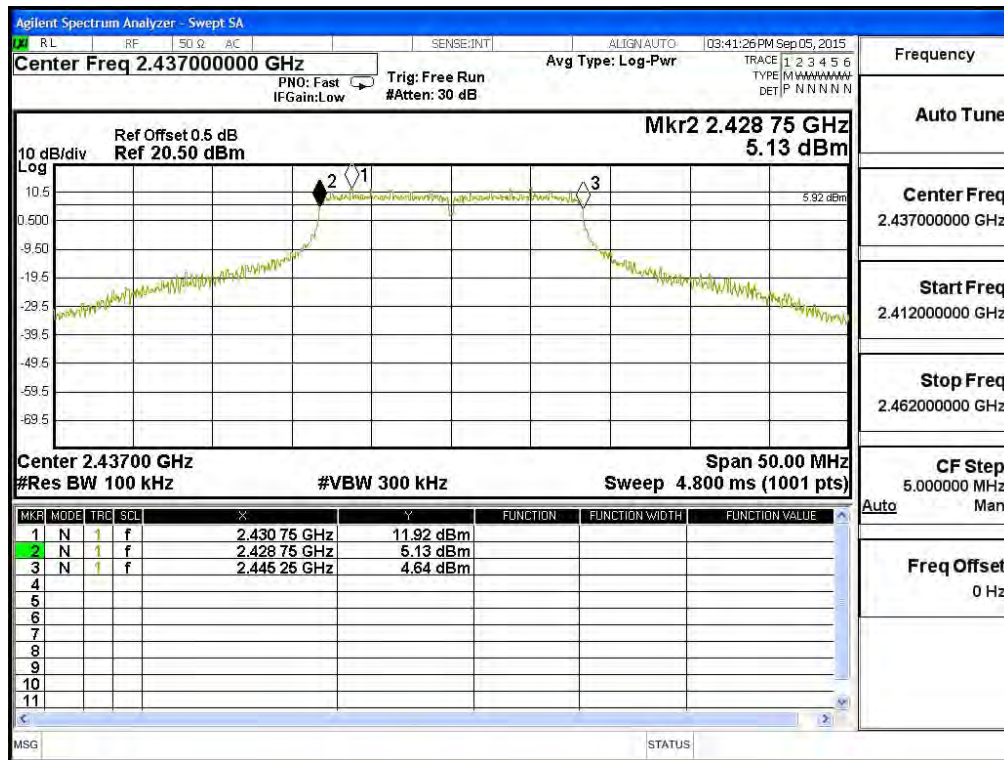


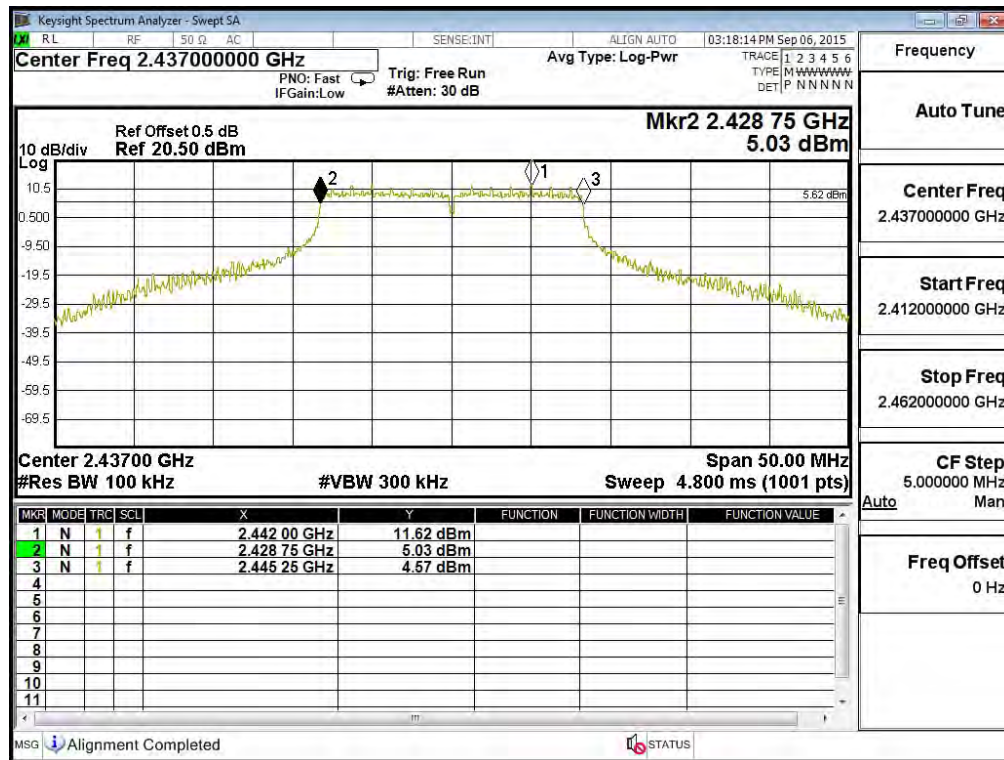
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 6           | 2437.00         | 16500                   | >500                 | Pass   |

**Figure Channel 6: (Chain B)**



| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 6           | 2437.00         | 16500                   | >500                 | Pass   |

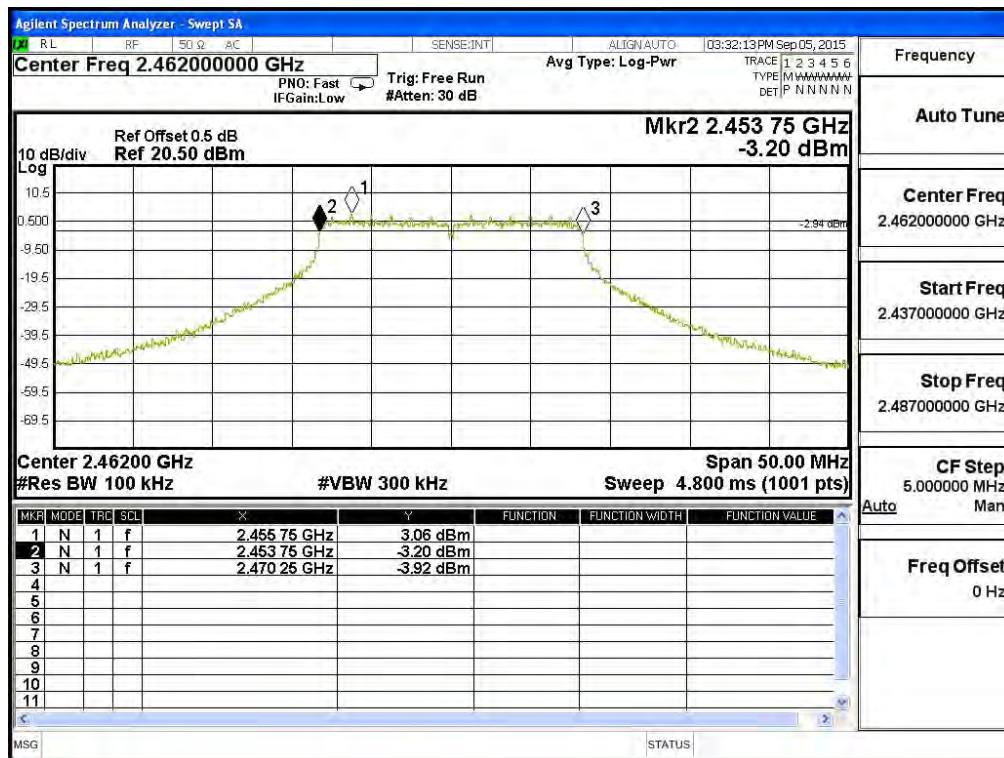
**Figure Channel 6: (Chain C)**



Product : 802.11ac Dual Band Access Point  
Test Item : Occupied Bandwidth Data  
Test Site : No.3 OATS  
Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz)

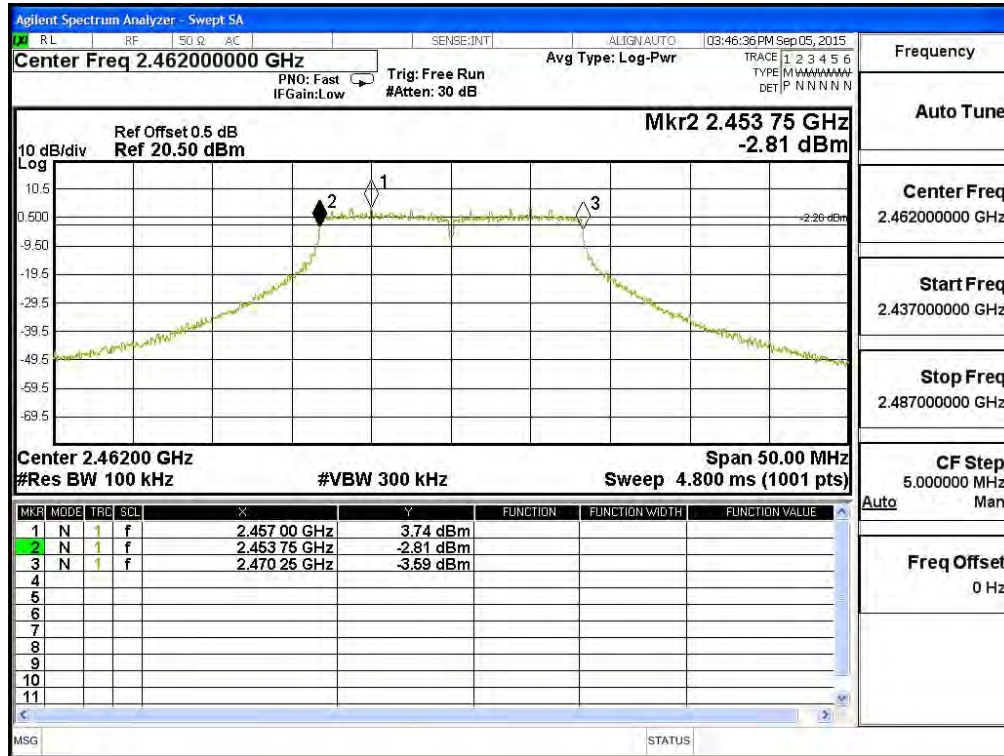
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 11          | 2462.00         | 16500                   | >500                 | Pass   |

**Figure Channel 11: (Chain A)**



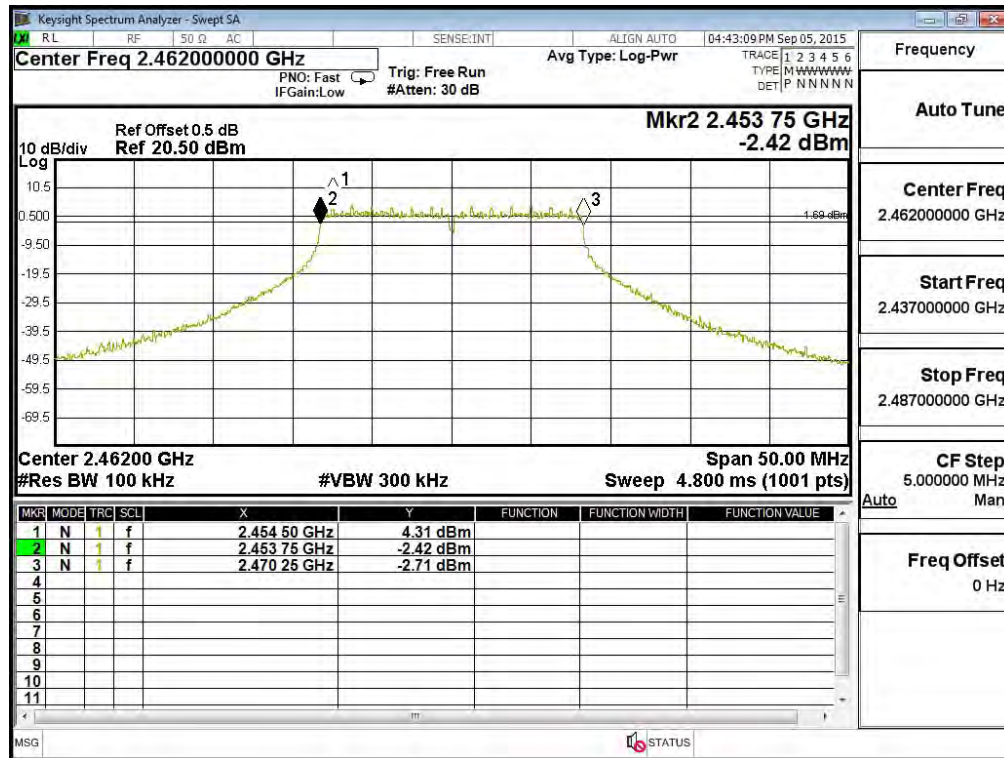
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 11          | 2462.00         | 16500                   | >500                 | Pass   |

**Figure Channel 11: (Chain B)**



| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 11          | 2462.00         | 16500                   | >500                 | Pass   |

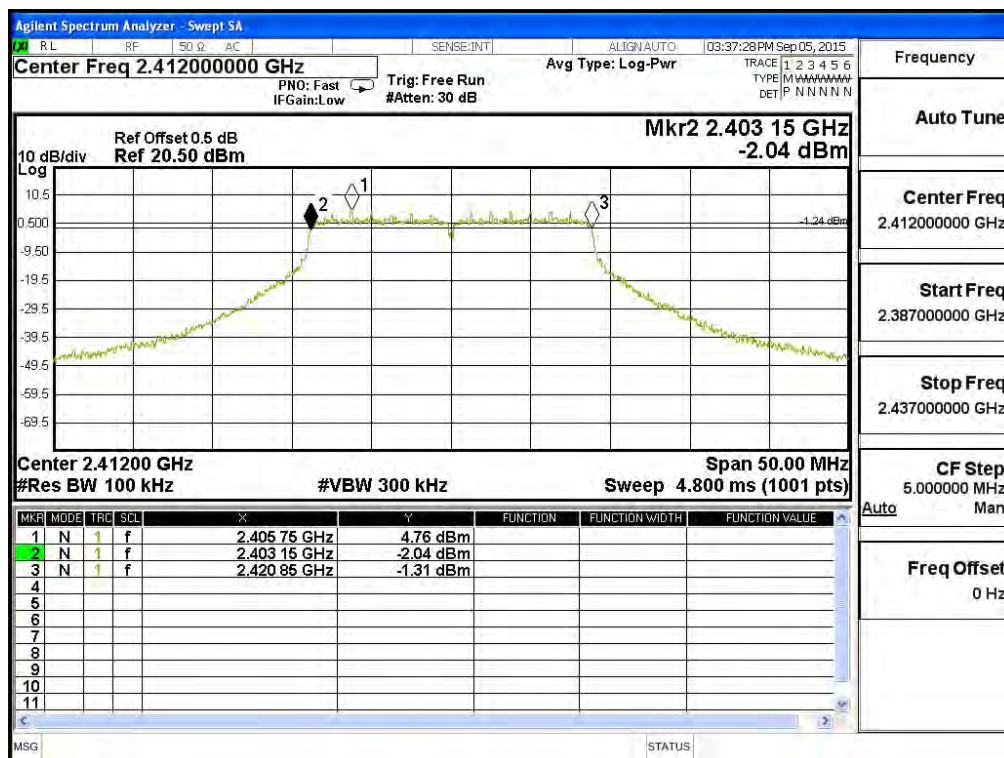
Figure Channel 11: (Chain C)



Product : 802.11ac Dual Band Access Point  
Test Item : Occupied Bandwidth Data  
Test Site : No.3 OATS  
Test Mode : Mode 4: Transmit - 802.11n-20BW\_21.7Mbps(2.4G Band) (2412MHz)

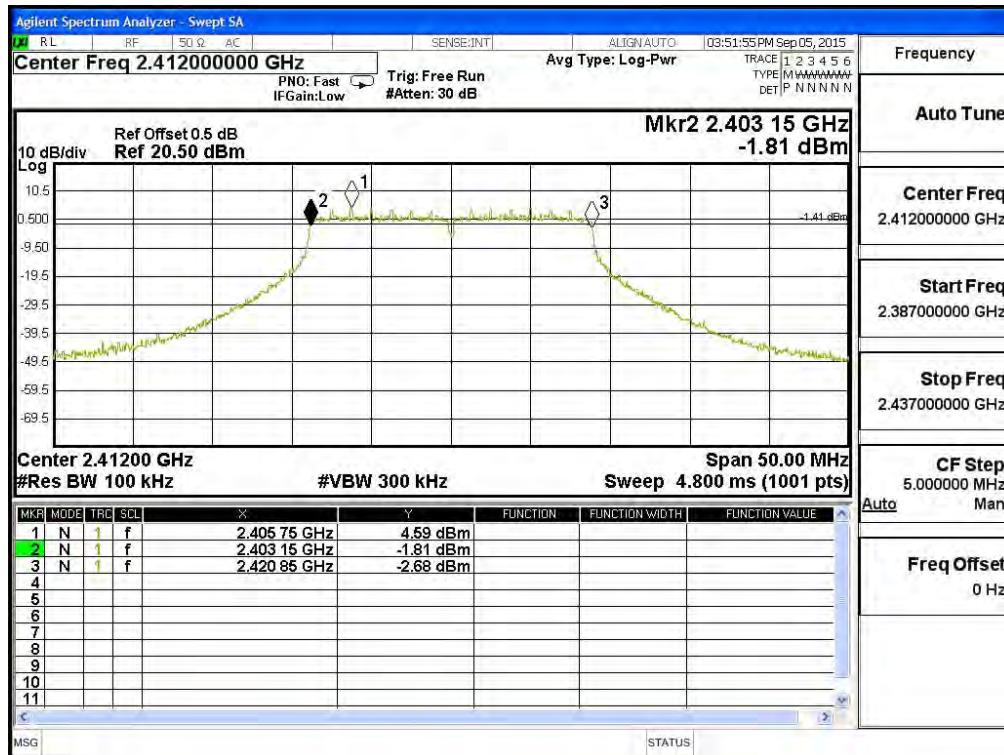
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 1           | 2412.00         | 17700                   | >500                 | Pass   |

**Figure Channel 1: (Chain A)**



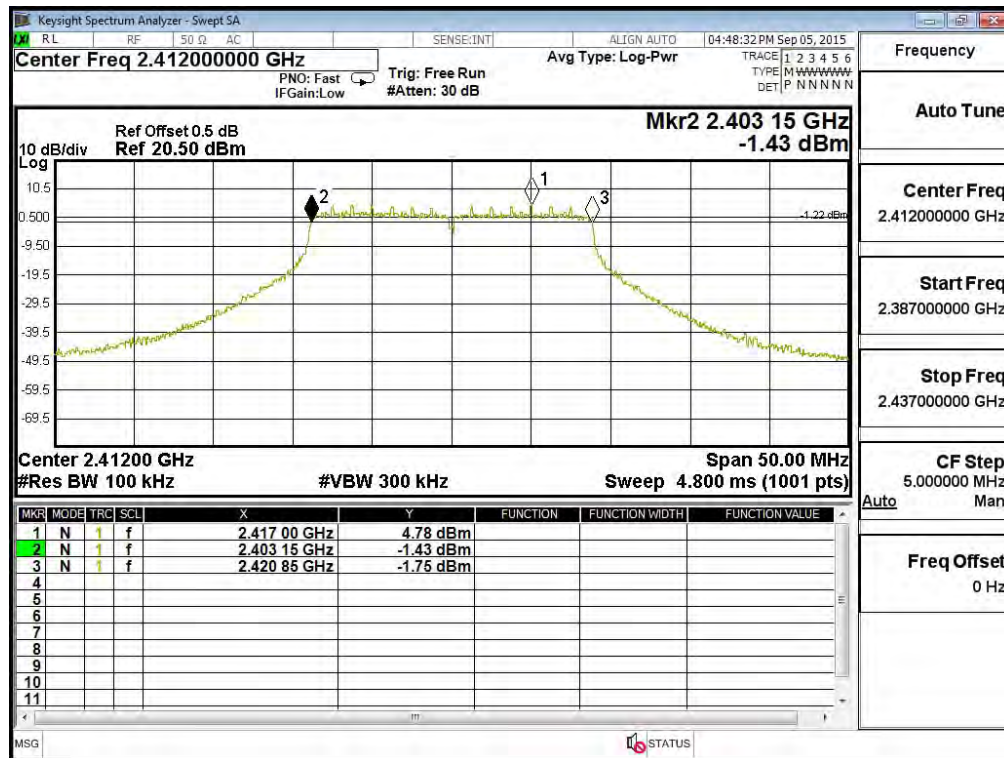
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 1           | 2412.00         | 17700                   | >500                 | Pass   |

Figure Channel 1: (Chain B)



| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 1           | 2412.00         | 17700                   | >500                 | Pass   |

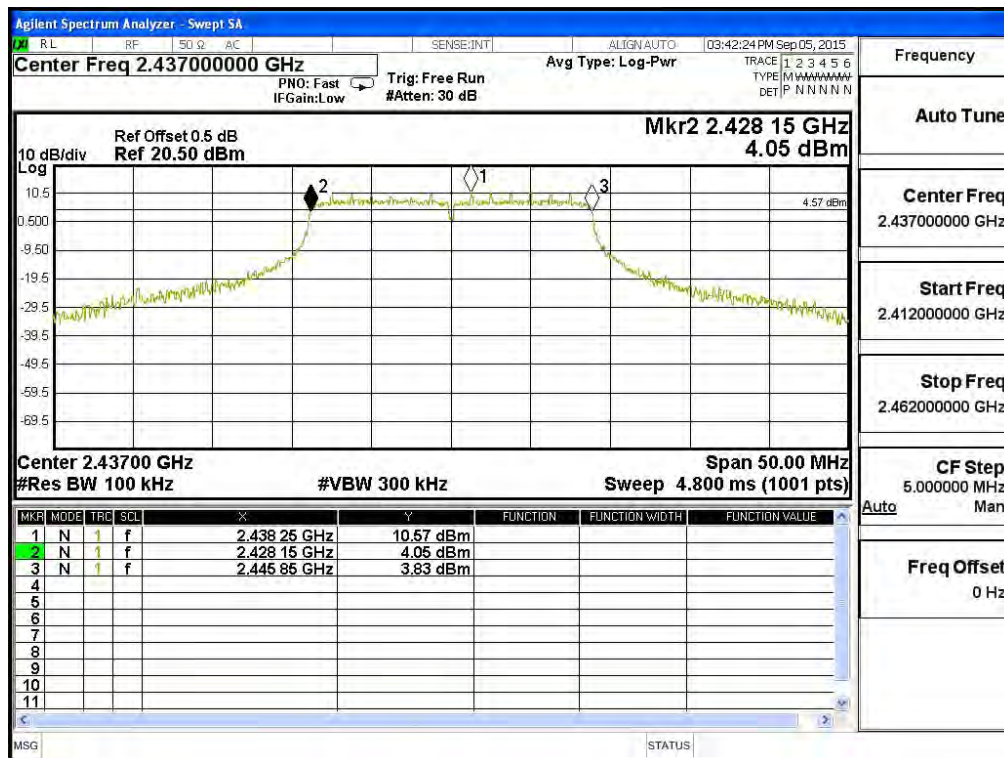
Figure Channel 1: (Chain C)



Product : 802.11ac Dual Band Access Point  
Test Item : Occupied Bandwidth Data  
Test Site : No.3 OATS  
Test Mode : Mode 4: Transmit - 802.11n-20BW\_21.7Mbps(2.4G Band) (2437MHz)

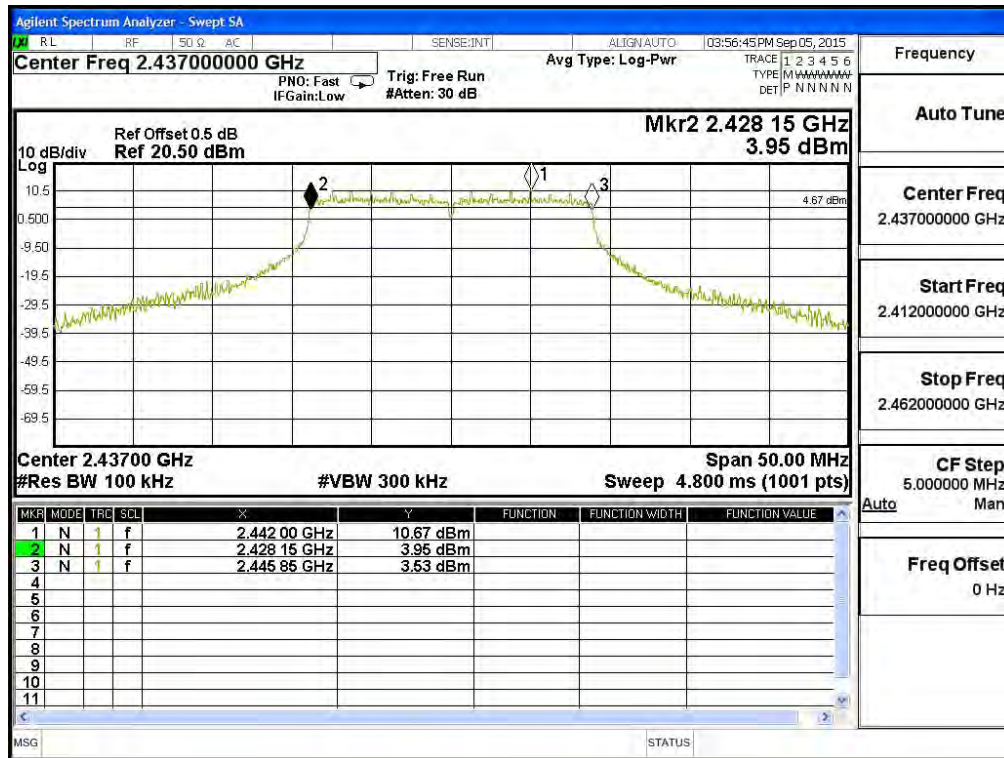
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 6           | 2437.00         | 17700                   | >500                 | Pass   |

**Figure Channel 6: (Chain A)**



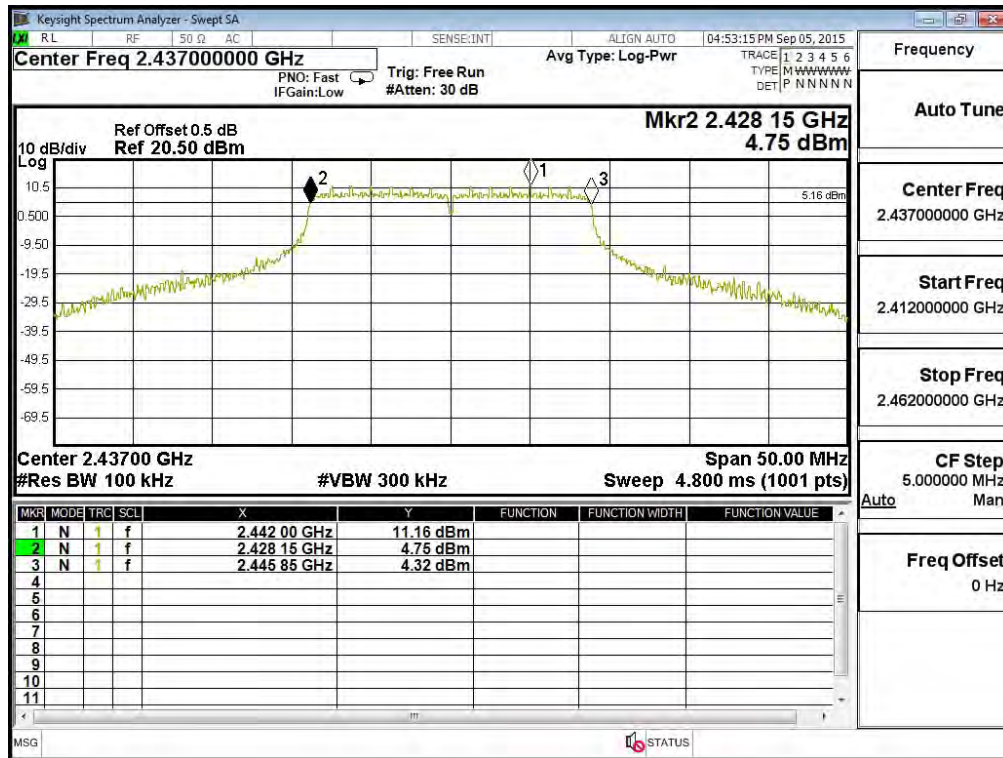
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 6           | 2437.00         | 17700                   | >500                 | Pass   |

Figure Channel 6: (Chain B)



| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 6           | 2437.00         | 17700                   | >500                 | Pass   |

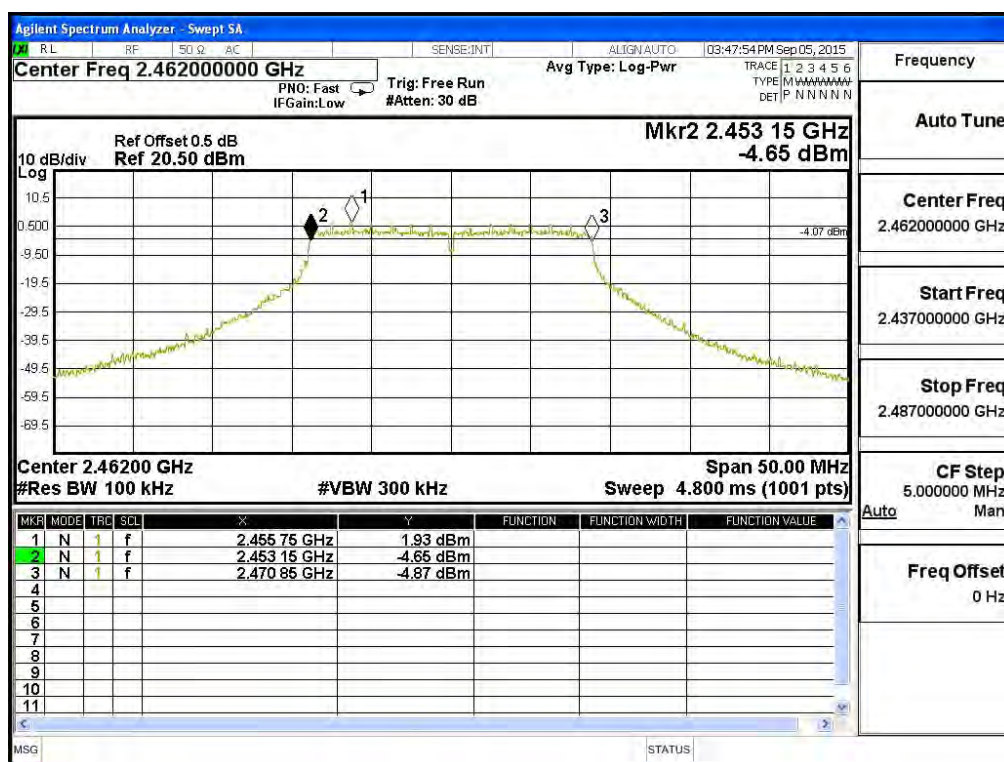
**Figure Channel 6: (Chain C)**



Product : 802.11ac Dual Band Access Point  
Test Item : Occupied Bandwidth Data  
Test Site : No.3 OATS  
Test Mode : Mode 4: Transmit - 802.11n-20BW\_21.7Mbps(2.4G Band) (2462MHz)

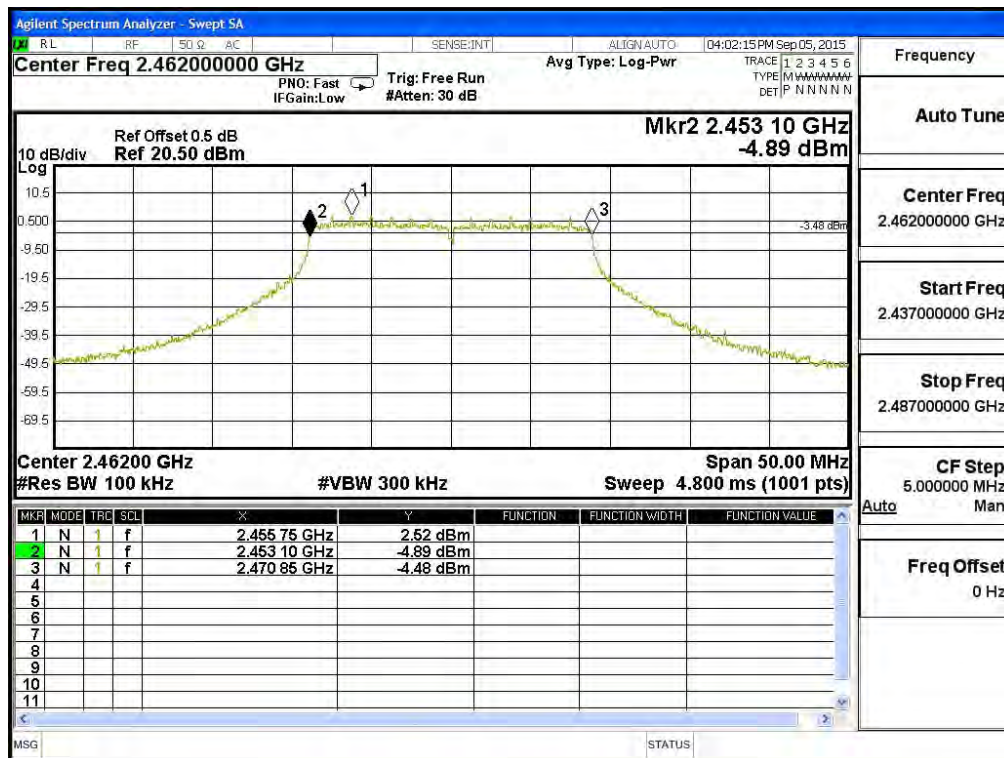
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 11          | 2462.00         | 17700                   | >500                 | Pass   |

**Figure Channel 11: (Chain A)**



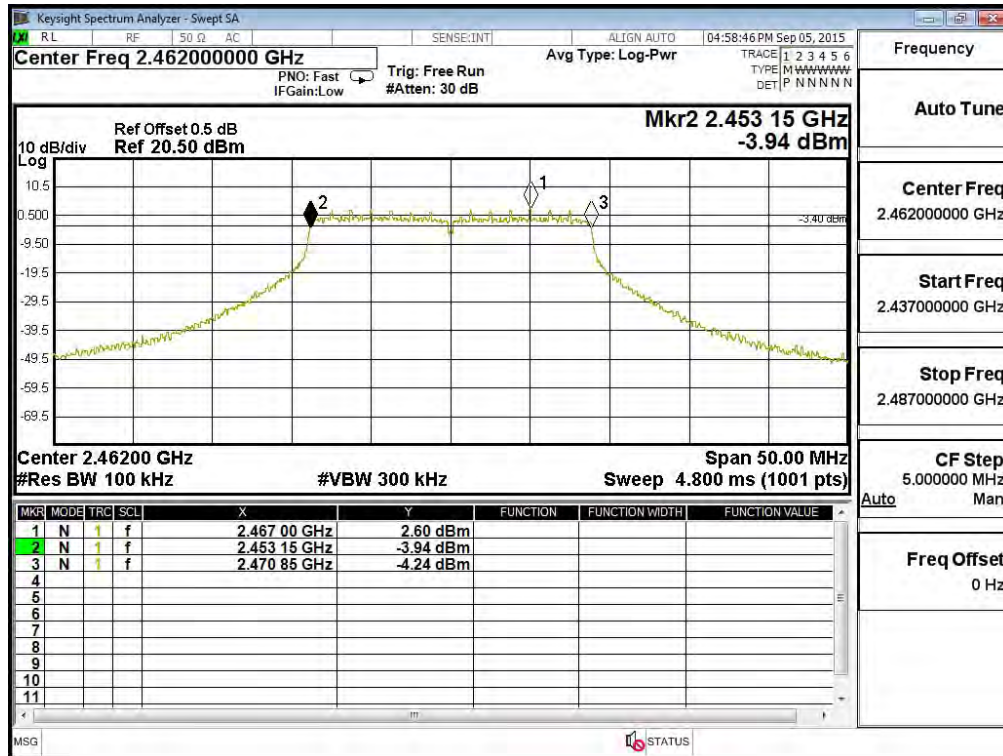
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 11          | 2462.00         | 17700                   | >500                 | Pass   |

**Figure Channel 11: (Chain B)**



| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 11          | 2462.00         | 17700                   | >500                 | Pass   |

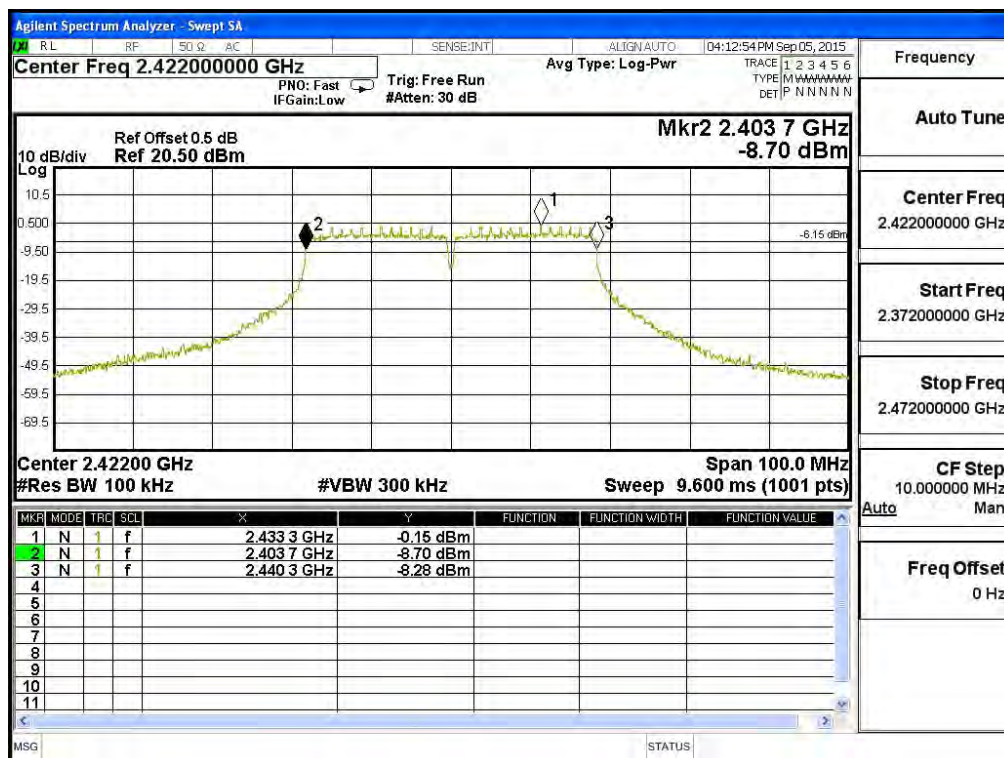
**Figure Channel 11: (Chain C)**



Product : 802.11ac Dual Band Access Point  
Test Item : Occupied Bandwidth Data  
Test Site : No.3 OATS  
Test Mode : Mode 5: Transmit - 802.11n-40BW\_45Mbps(2.4G Band) (2422MHz)

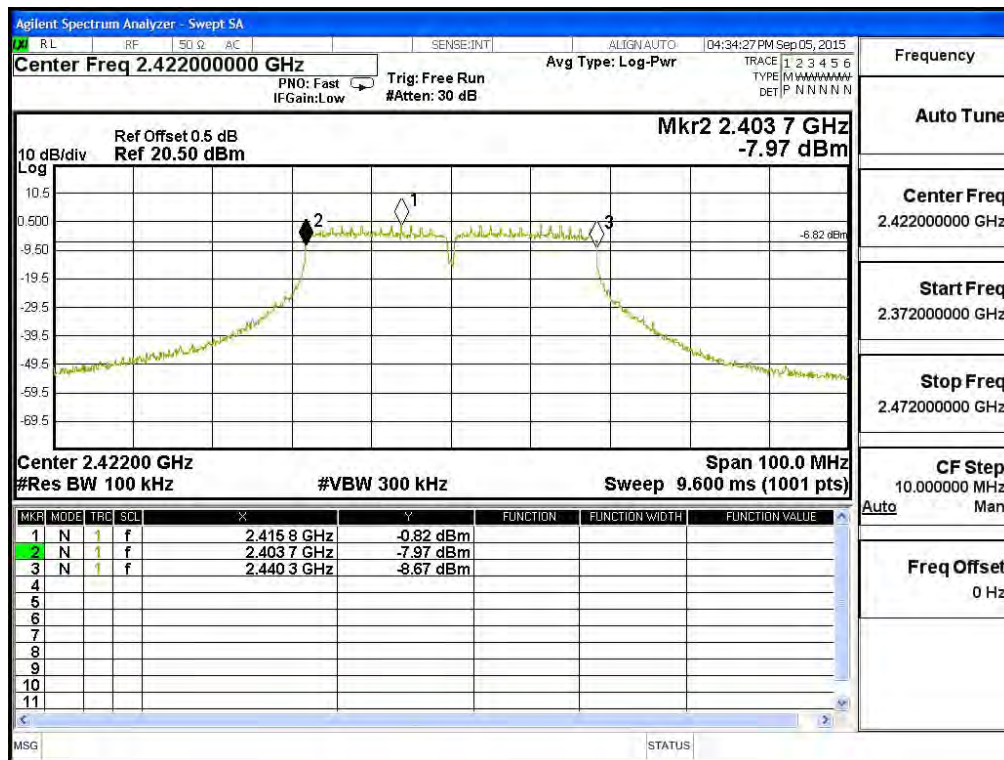
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 1           | 2422.00         | 36600                   | >500                 | Pass   |

**Figure Channel 1: (Chain A)**



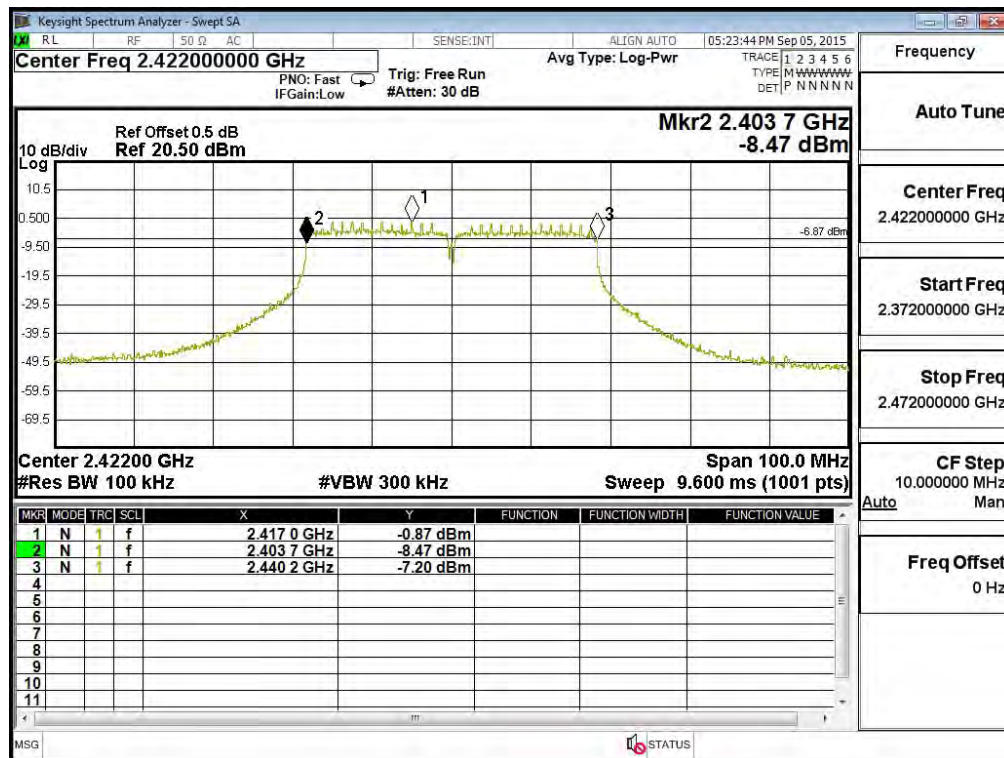
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 1           | 2422.00         | 36600                   | >500                 | Pass   |

**Figure Channel 1: (Chain B)**



| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 1           | 2422.00         | 36500                   | >500                 | Pass   |

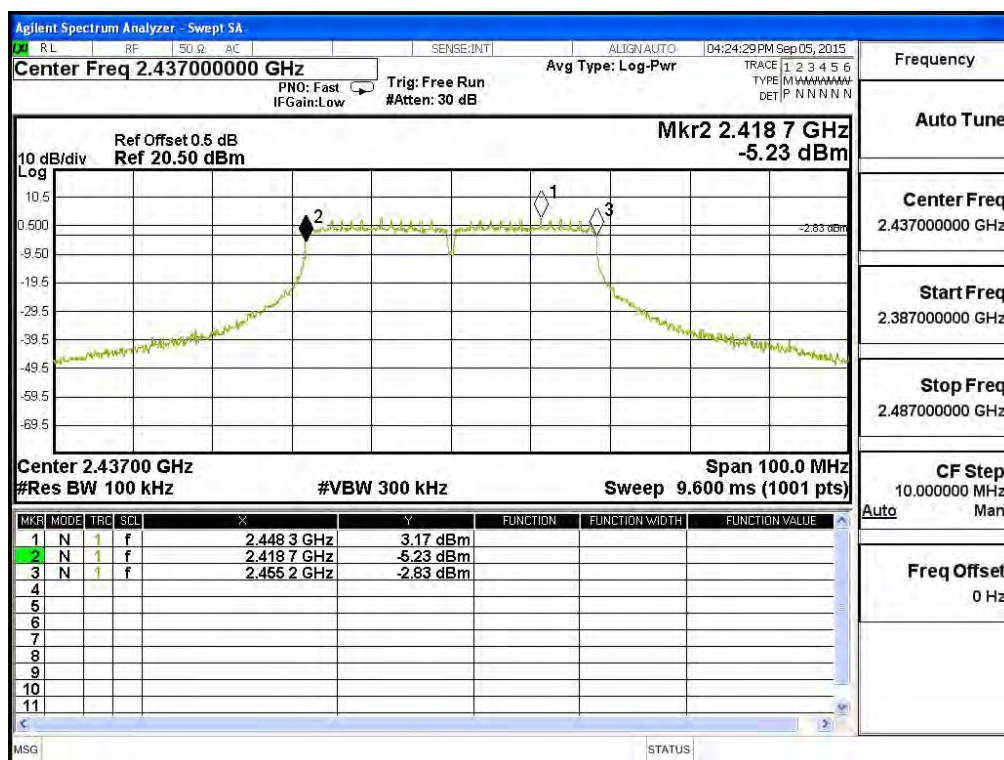
Figure Channel 1: (Chain C)



Product : 802.11ac Dual Band Access Point  
Test Item : Occupied Bandwidth Data  
Test Site : No.3 OATS  
Test Mode : Mode 5: Transmit - 802.11n-40BW\_45Mbps(2.4G Band) (2437MHz)

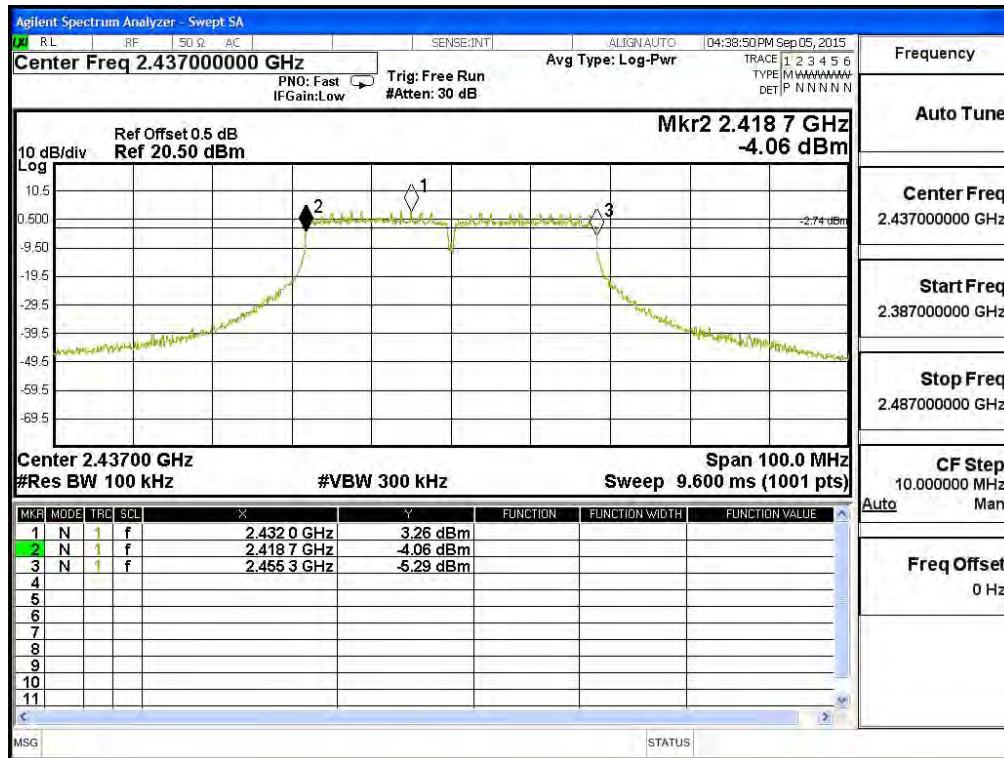
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 4           | 2437.00         | 36500                   | >500                 | Pass   |

**Figure Channel 4: (Chain A)**



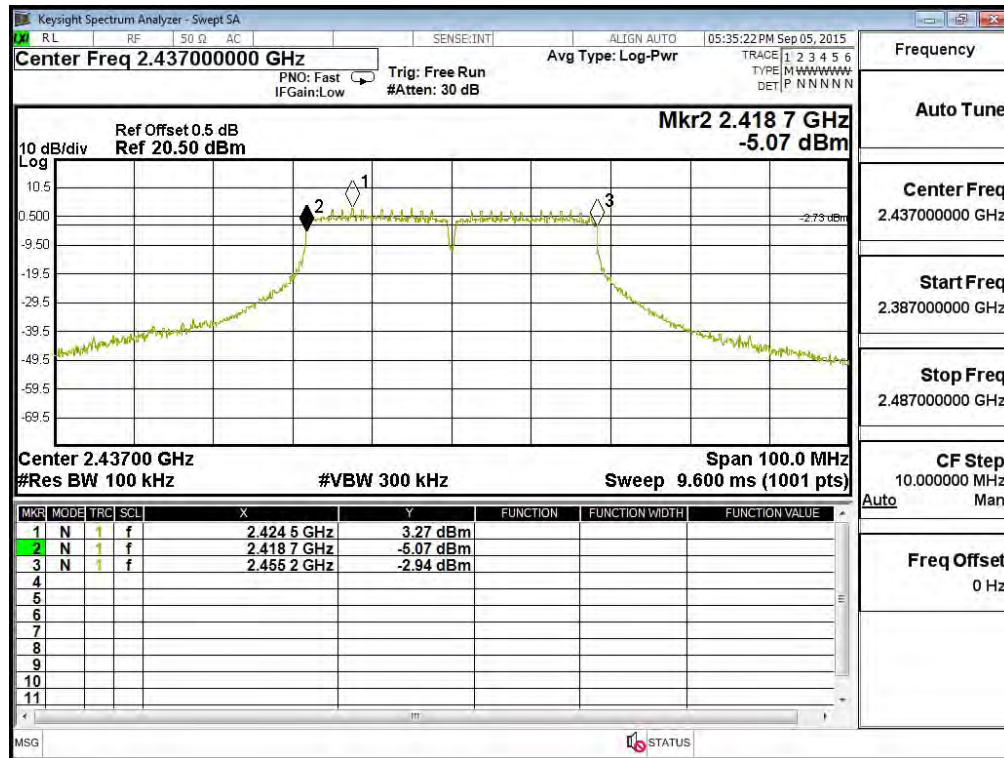
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 4           | 2437.00         | 36600                   | >500                 | Pass   |

Figure Channel 4: (Chain B)



| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 4           | 2437.00         | 36500                   | >500                 | Pass   |

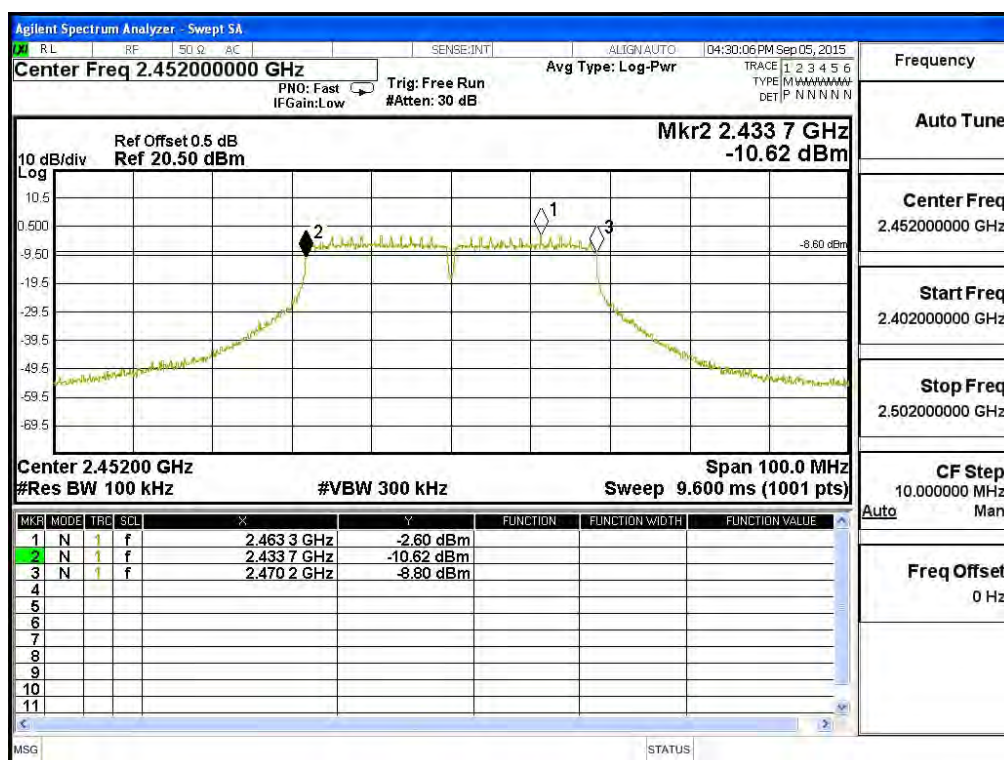
**Figure Channel 4: (Chain C)**



Product : 802.11ac Dual Band Access Point  
Test Item : Occupied Bandwidth Data  
Test Site : No.3 OATS  
Test Mode : Mode 5: Transmit - 802.11n-40BW\_45Mbps(2.4G Band) (2452MHz)

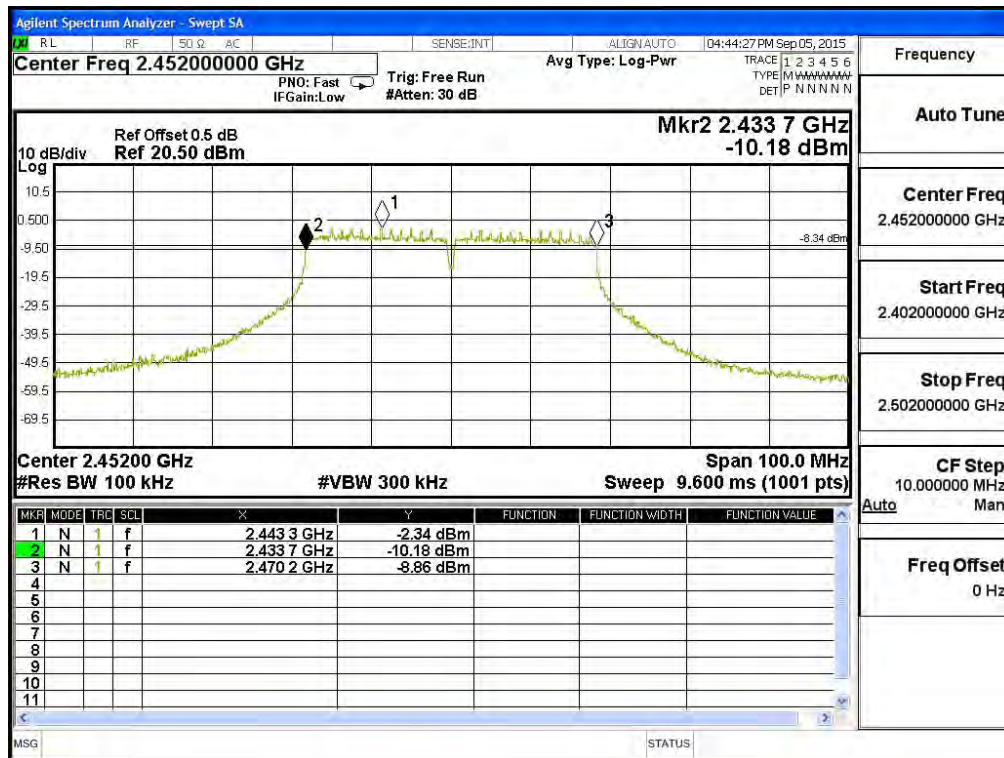
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 7           | 2452.00         | 36500                   | >500                 | Pass   |

**Figure Channel 7: (Chain A)**



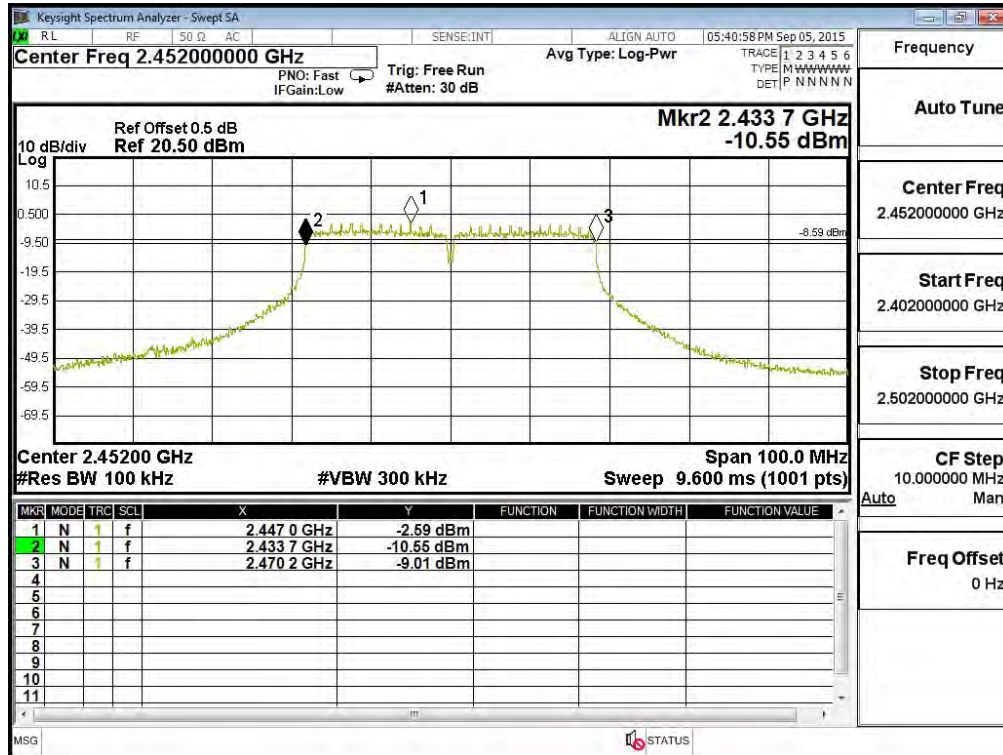
| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 7           | 2452.00         | 36500                   | >500                 | Pass   |

Figure Channel 7: (Chain B)



| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 7           | 2452.00         | 36500                   | >500                 | Pass   |

**Figure Channel 7: (Chain C)**



## 8. Power Density

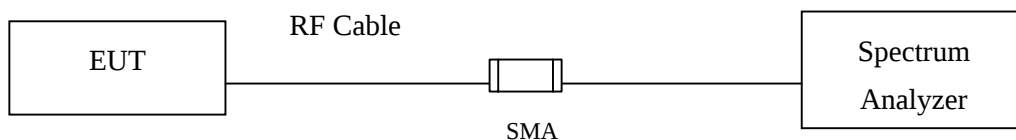
### 8.1. Test Equipment

|   | Equipment         | Manufacturer | Model No./Serial No. | Last Cal.  |
|---|-------------------|--------------|----------------------|------------|
|   | Spectrum Analyzer | R&S          | FSP40 / 100170       | Jun, 2015  |
|   | Spectrum Analyzer | Agilent      | E4407B / US39440758  | Jun, 2015  |
| X | Spectrum Analyzer | Agilent      | N9010A / MY48030495  | Apr., 2015 |

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

### 8.2. Test Setup



### 8.3. Limits

The transmitted power density averaged over any 1 second interval shall not be greater +8dBm in any 3kHz bandwidth.

### 8.4. Test Procedure

The EUT was setup according to ANSI C63.10, 2013; tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

The maximum power spectral density using KDB 558074 section 10.2 PKPSD (peak PSD) method.

### 8.5. Uncertainty

$\pm 1.27$  dB

## 8.6. Test Result of Power Density

Product : 802.11ac Dual Band Access Point  
Test Item : Power Density Data  
Test Site : No.3 OATS  
Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

| CHAIN | PPSD/MHz<br>(dBm) | Total<br>PPSD/MHz<br>(dBm)1 | Limit  | Result |
|-------|-------------------|-----------------------------|--------|--------|
| A     | -1.770            | 3.001                       | < 8dBm | Pass   |
| B     | -2.024            | 2.747                       | < 8dBm | Pass   |
| C     | -1.924            | 2.847                       | < 8dBm | Pass   |

Note 1: The quantity  $10 \cdot \log 2$  (two antennas) is added to the spectrum peak value according to document 662911 D01.

**Figure Channel 1: (Chain A)**

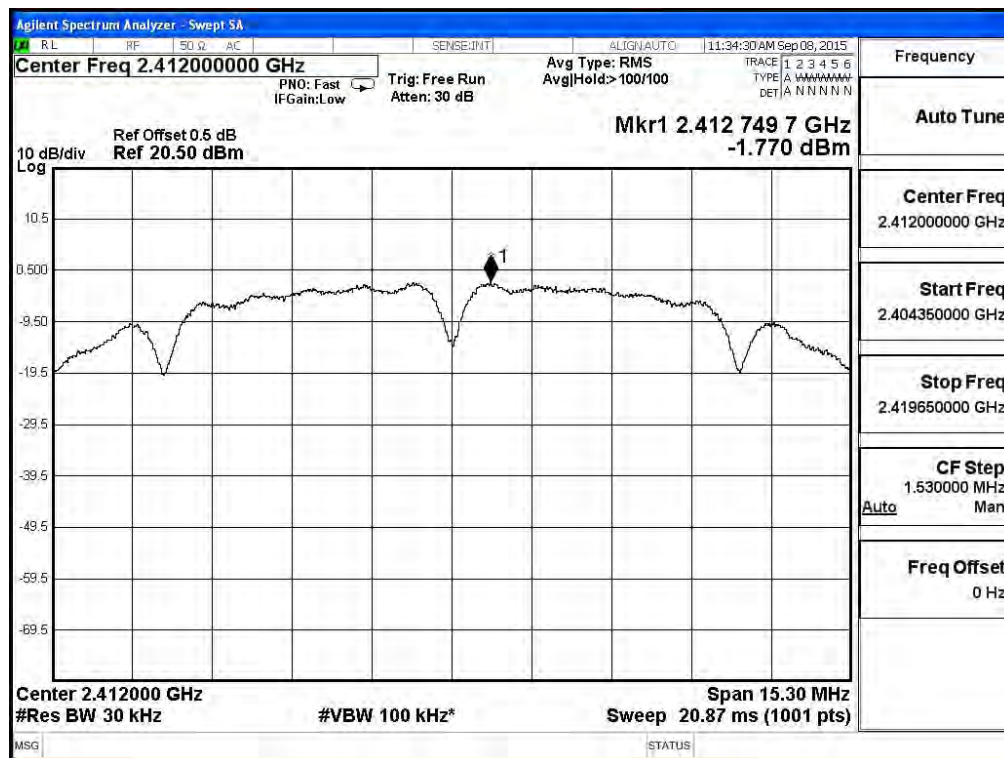


Figure Channel 1: (Chain B)

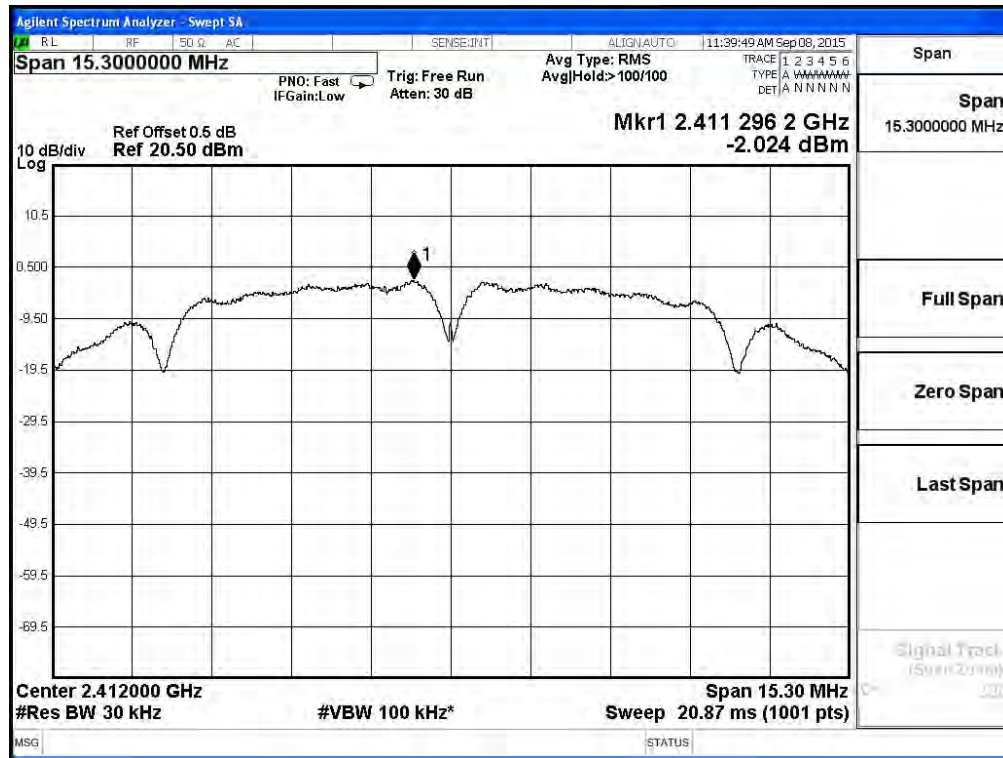
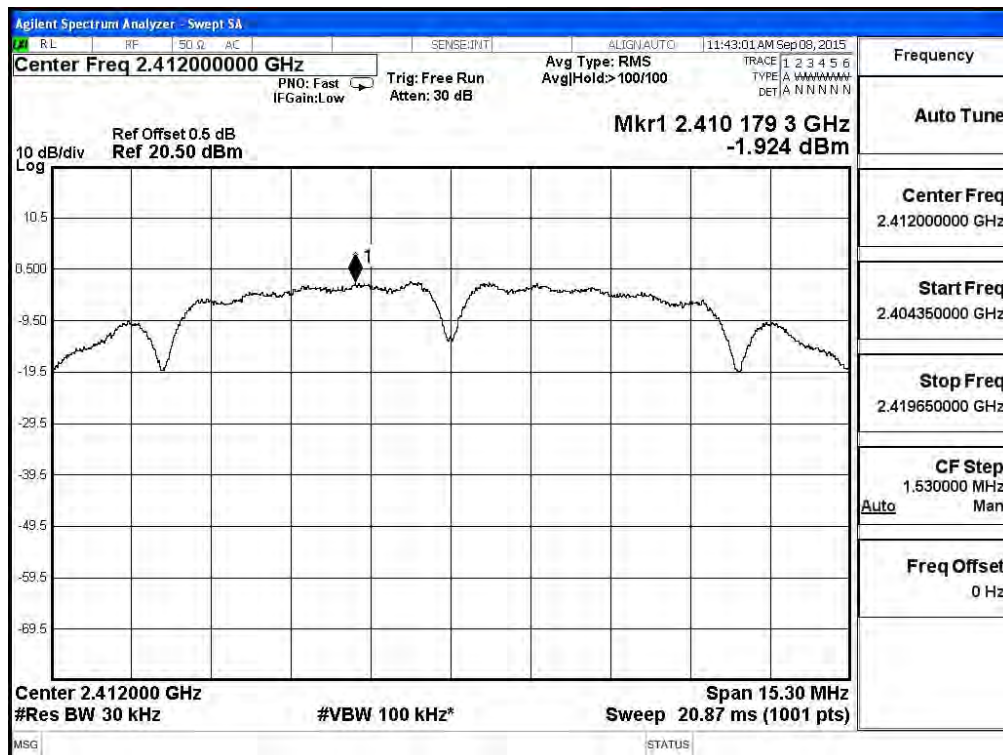


Figure Channel 1: (Chain C)



Product : 802.11ac Dual Band Access Point  
Test Item : Power Density Data  
Test Site : No.3OATS  
Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437MHz)

| CHAIN | PPSD/MHz<br>(dBm) | Total<br>PPSD/MHz<br>(dBm)1 | Limit  | Result |
|-------|-------------------|-----------------------------|--------|--------|
| A     | 1.257             | 6.028                       | < 8dBm | Pass   |
| B     | 0.772             | 5.543                       | < 8dBm | Pass   |
| C     | 0.850             | 5.621                       | < 8dBm | Pass   |

Note 1: The quantity  $10 \cdot \log 2$  (two antennas) is added to the spectrum peak value according to document 662911 D01.

**Figure Channel 6: (Chain A)**

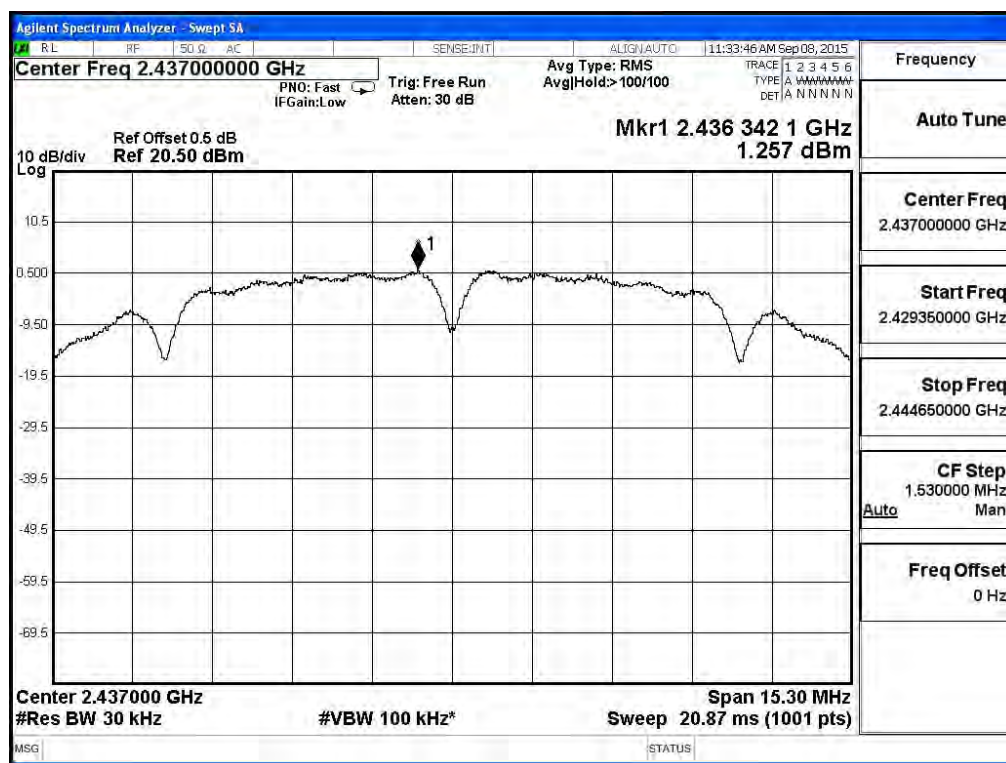


Figure Channel 6: (Chain B)

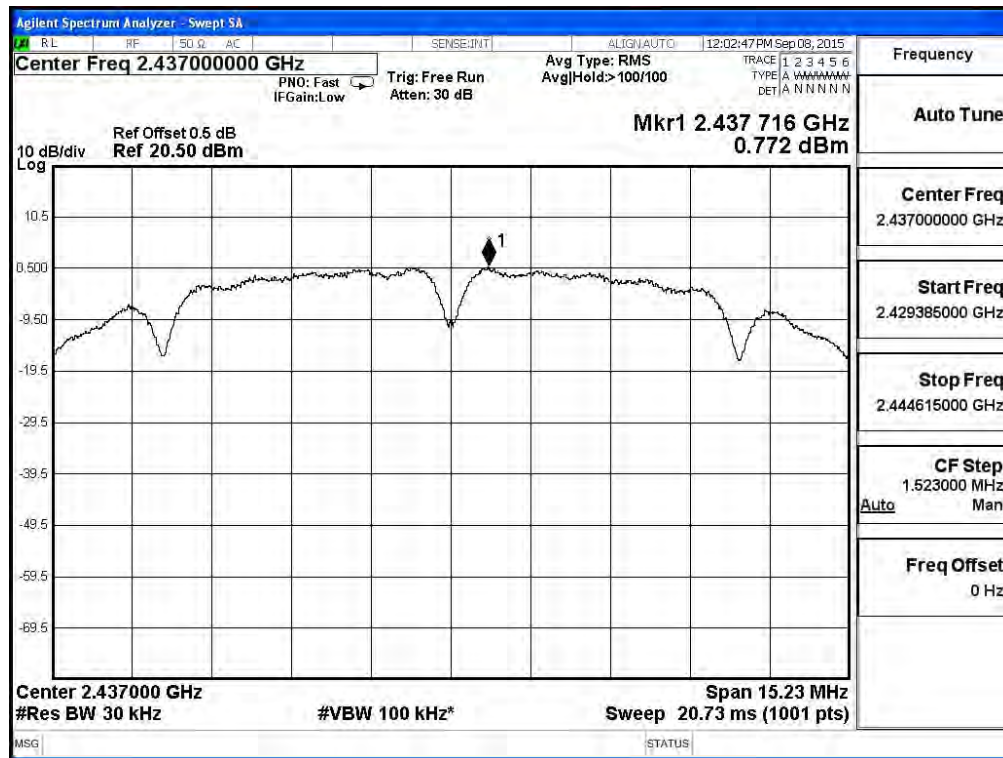
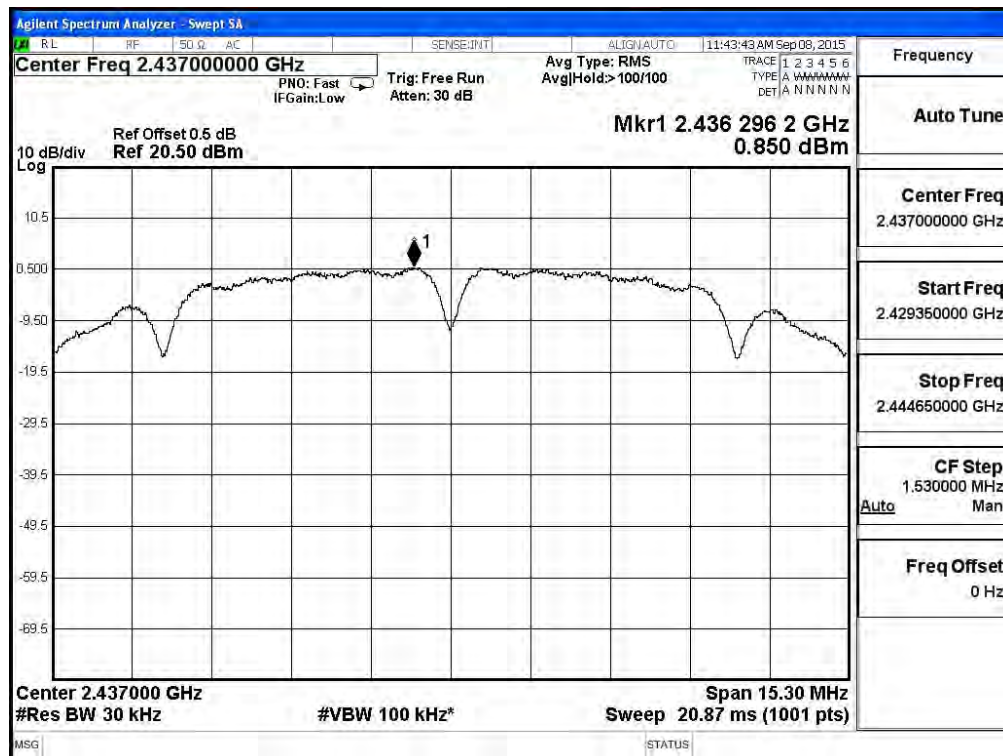


Figure Channel 6: (Chain C)



Product : 802.11ac Dual Band Access Point  
Test Item : Power Density Data  
Test Site : No.3 OATS  
Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz)

| CHAIN | PPSD/MHz<br>(dBm) | Total<br>PPSD/MHz<br>(dBm)1 | Limit  | Result |
|-------|-------------------|-----------------------------|--------|--------|
| A     | -2.321            | 2.450                       | < 8dBm | Pass   |
| B     | -1.588            | 3.183                       | < 8dBm | Pass   |
| C     | -1.430            | 3.341                       | < 8dBm | Pass   |

Note 1: The quantity  $10 \cdot \log 2$  (two antennas) is added to the spectrum peak value according to document 662911 D01.

**Figure Channel 11: (Chain A)**

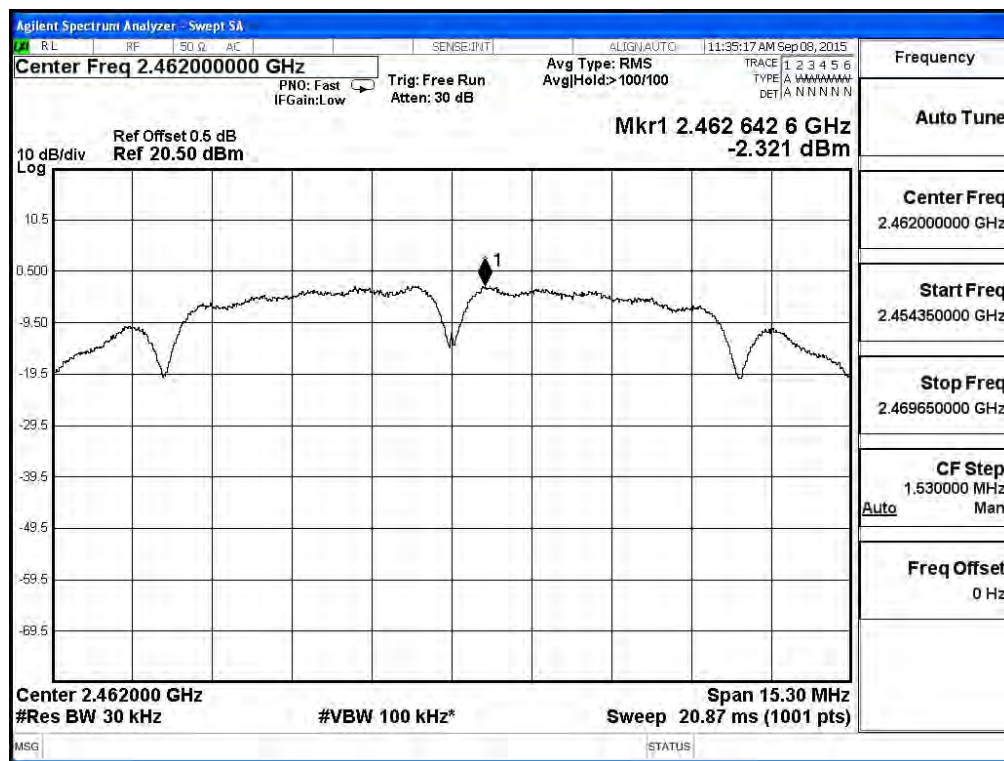


Figure Channel 11: (Chain B)

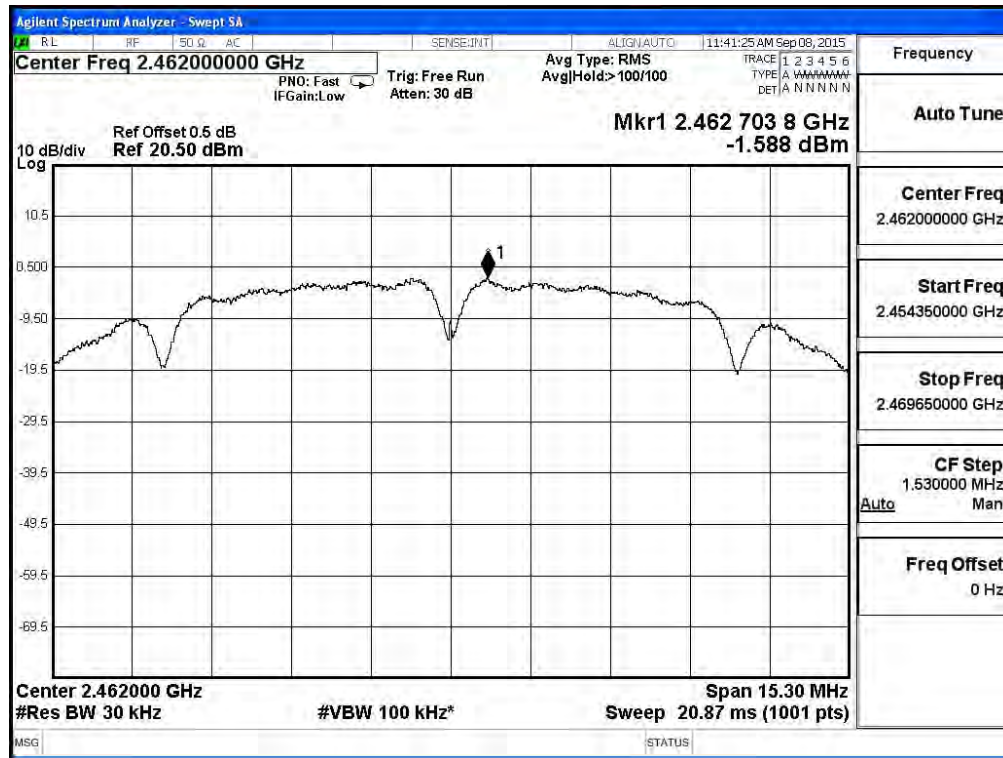
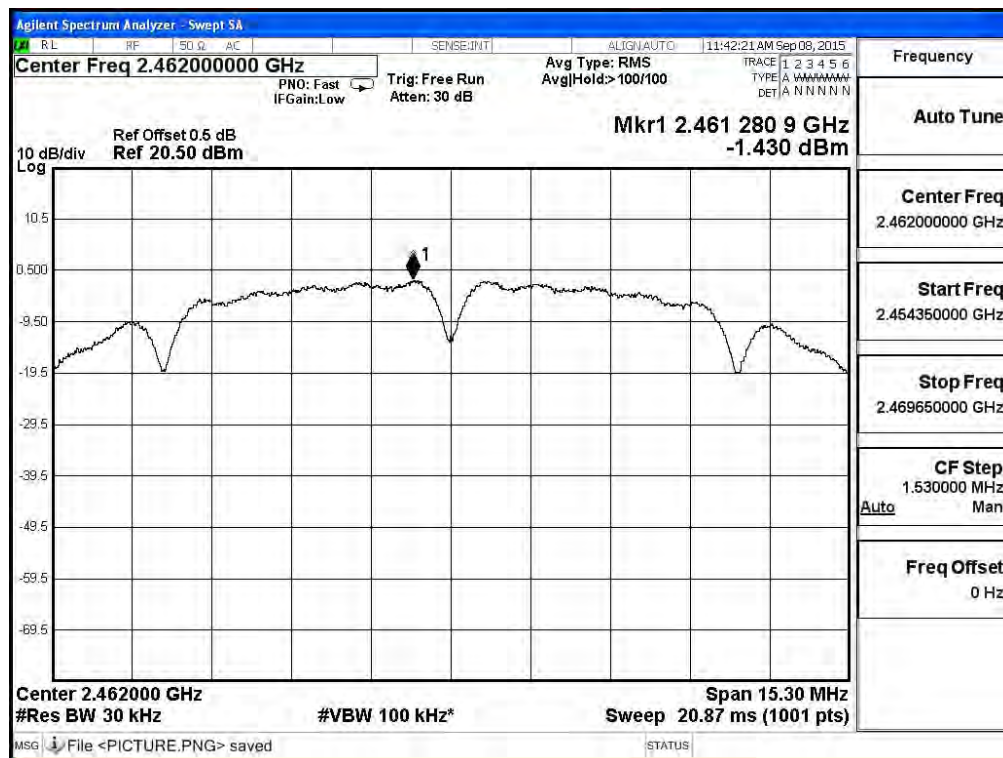


Figure Channel 11: (Chain C)



Product : 802.11ac Dual Band Access Point  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)

| CHAIN | PPSD/MHz<br>(dBm) | Total<br>PPSD/MHz<br>(dBm)1 | Limit  | Result |
|-------|-------------------|-----------------------------|--------|--------|
| A     | -4.200            | 0.571                       | < 8dBm | Pass   |
| B     | -4.030            | 0.741                       | < 8dBm | Pass   |
| C     | -3.680            | 1.091                       | < 8dBm | Pass   |

Note 1: The quantity  $10 \cdot \log 2$  (two antennas) is added to the spectrum peak value according to document 662911 D01.

**Figure Channel 1: (Chain A)**

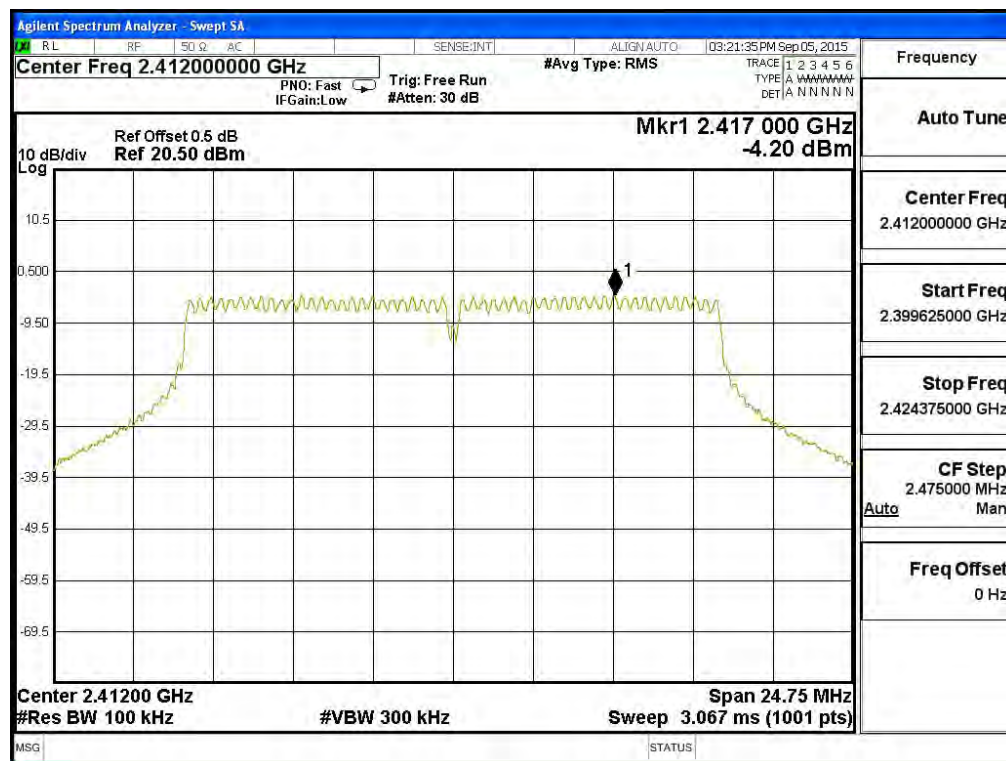


Figure Channel 1: (Chain B)

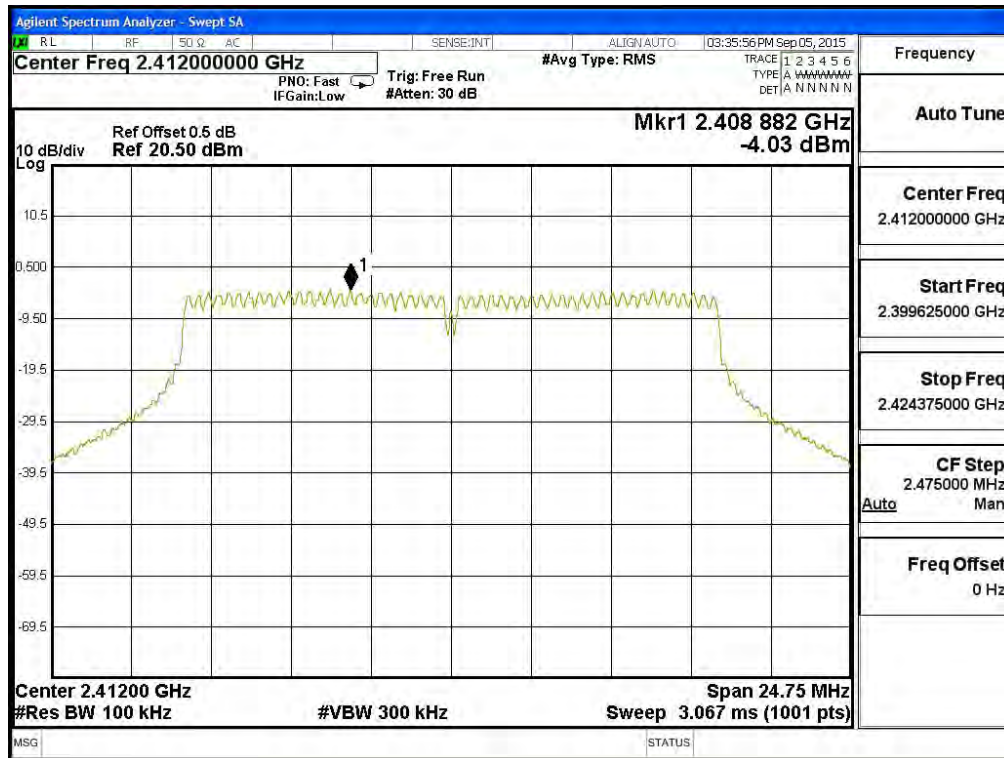
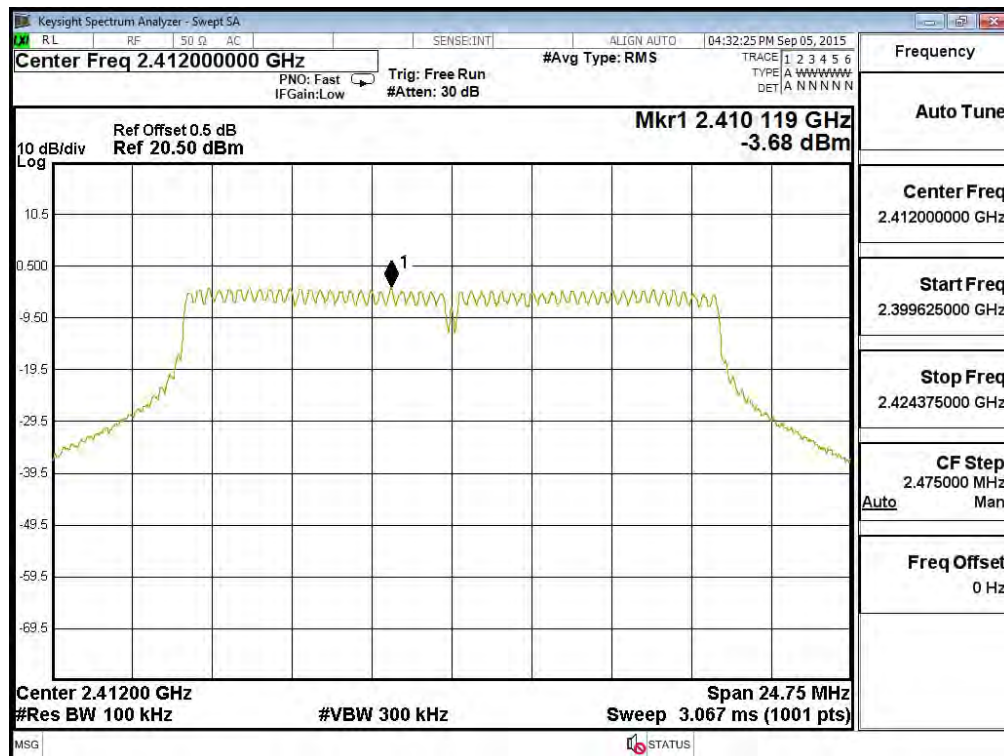


Figure Channel 1: (Chain C)



Product : 802.11ac Dual Band Access Point  
Test Item : Power Density Data  
Test Site : No.3OATS  
Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437MHz)

| CHAIN | PPSD/MHz<br>(dBm) | Total<br>PPSD/MHz<br>(dBm)1 | Limit  | Result |
|-------|-------------------|-----------------------------|--------|--------|
| A     | -0.826            | 3.945                       | < 8dBm | Pass   |
| B     | -1.095            | 3.676                       | < 8dBm | Pass   |
| C     | -0.651            | 4.120                       | < 8dBm | Pass   |

Note 1: The quantity  $10 \cdot \log 2$  (two antennas) is added to the spectrum peak value according to document 662911 D01.

**Figure Channel 6: (Chain A)**

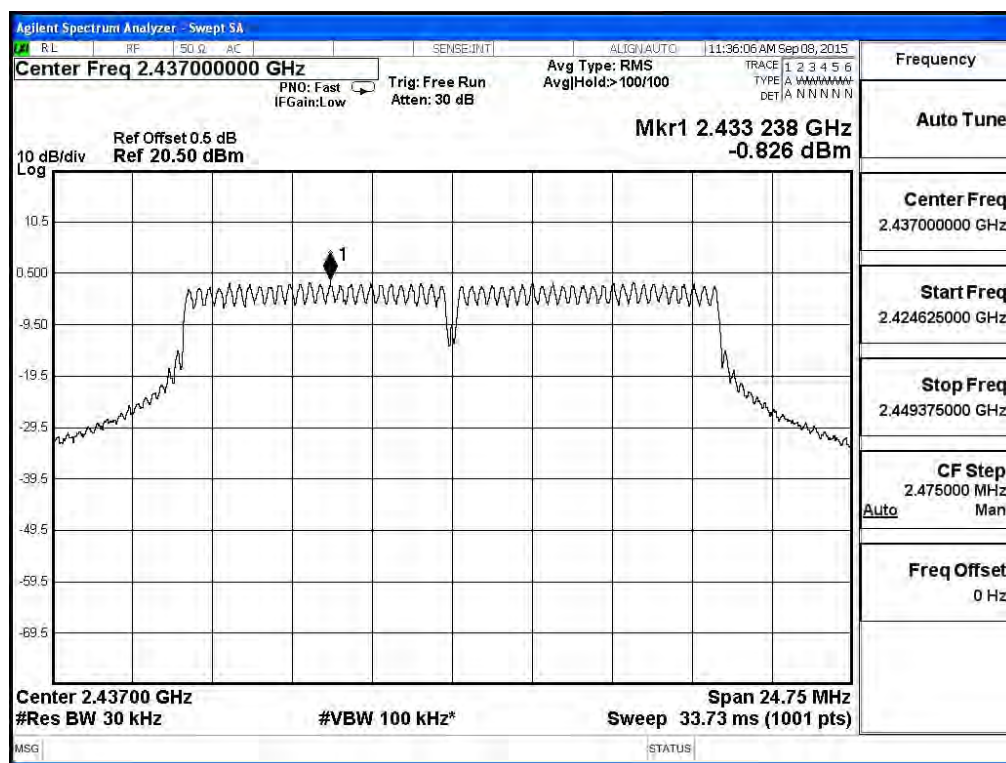


Figure Channel 6: (Chain B)

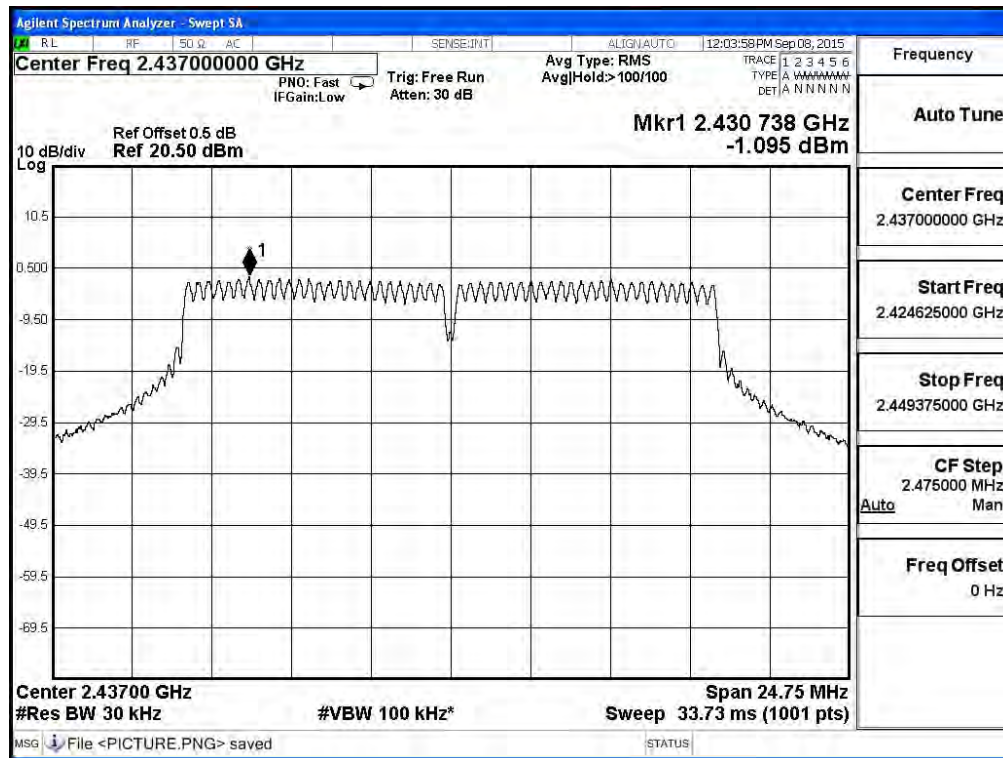
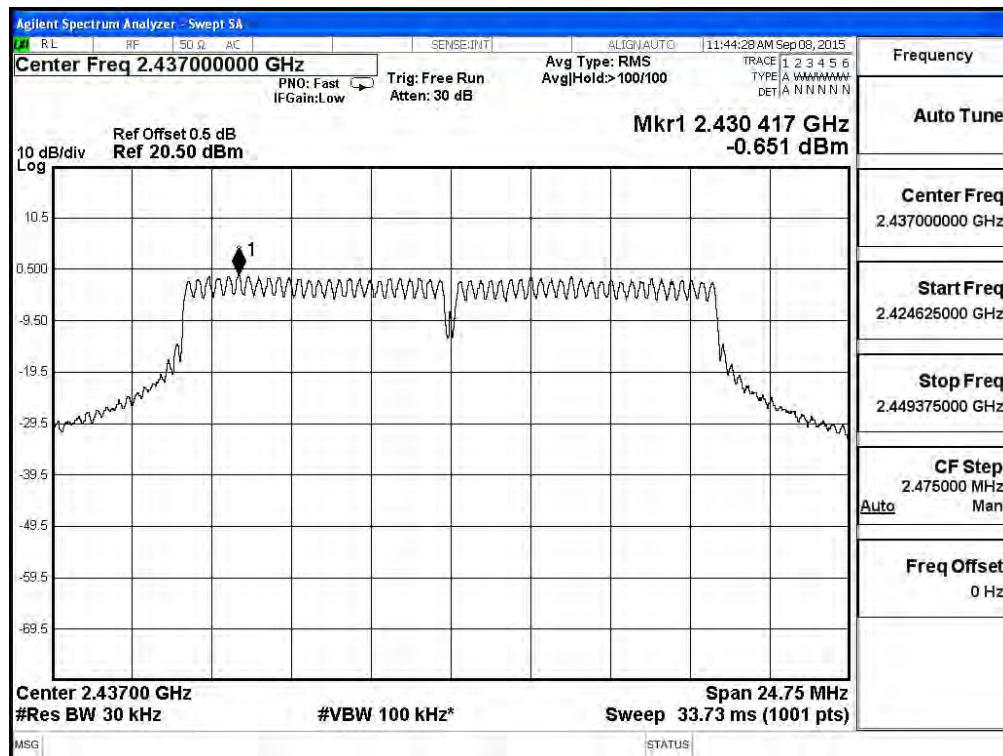


Figure Channel 6: (Chain C)



Product : 802.11ac Dual Band Access Point  
Test Item : Power Density Data  
Test Site : No.3 OATS  
Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz)

| CHAIN | PPSD/MHz<br>(dBm) | Total<br>PPSD/MHz<br>(dBm)1 | Limit  | Result |
|-------|-------------------|-----------------------------|--------|--------|
| A     | -5.560            | -0.789                      | < 8dBm | Pass   |
| B     | -4.510            | 0.261                       | < 8dBm | Pass   |
| C     | -4.410            | 0.361                       | < 8dBm | Pass   |

Note 1: The quantity  $10 \cdot \log 2$  (two antennas) is added to the spectrum peak value according to document 662911 D01.

**Figure Channel 11: (Chain A)**

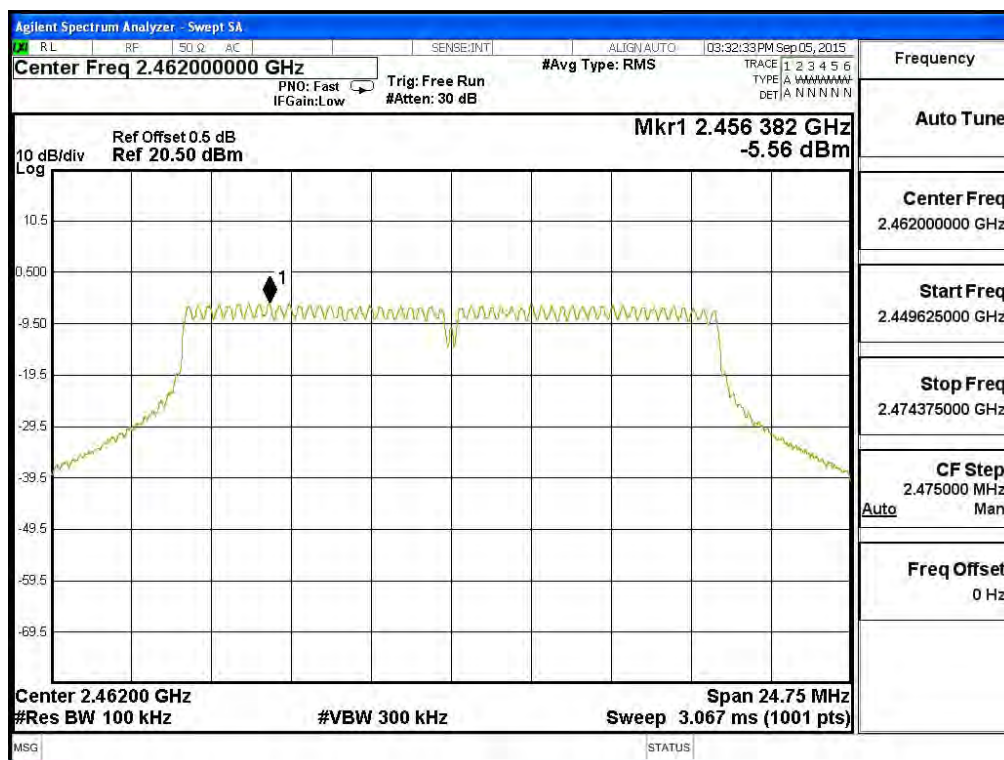


Figure Channel 11: (Chain B)

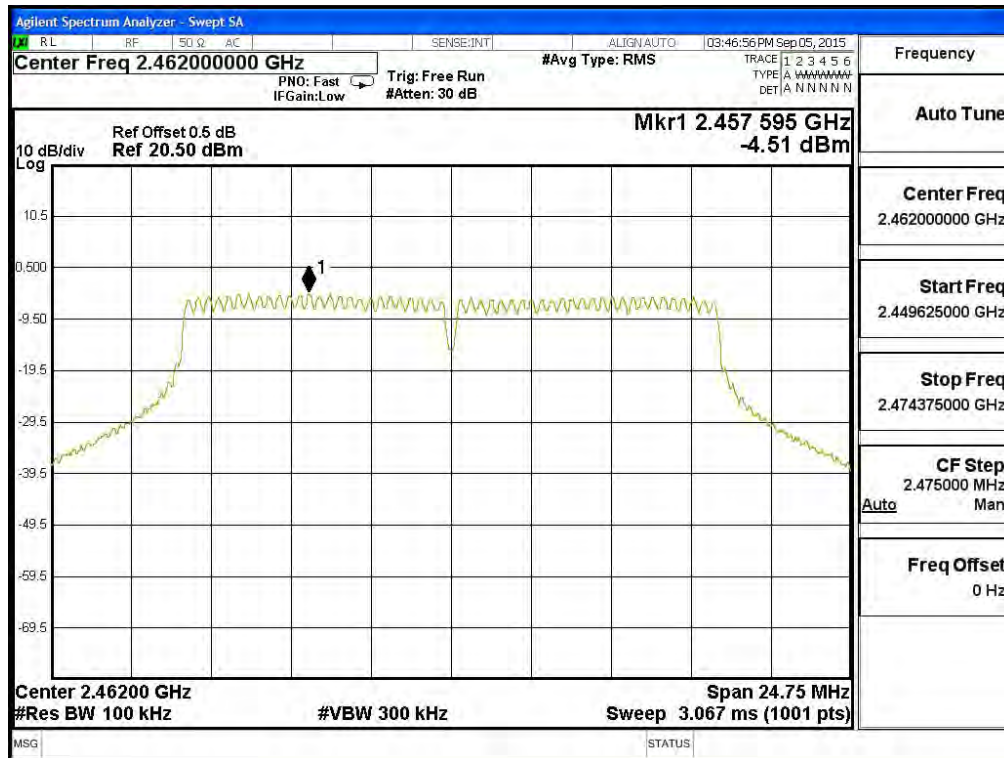
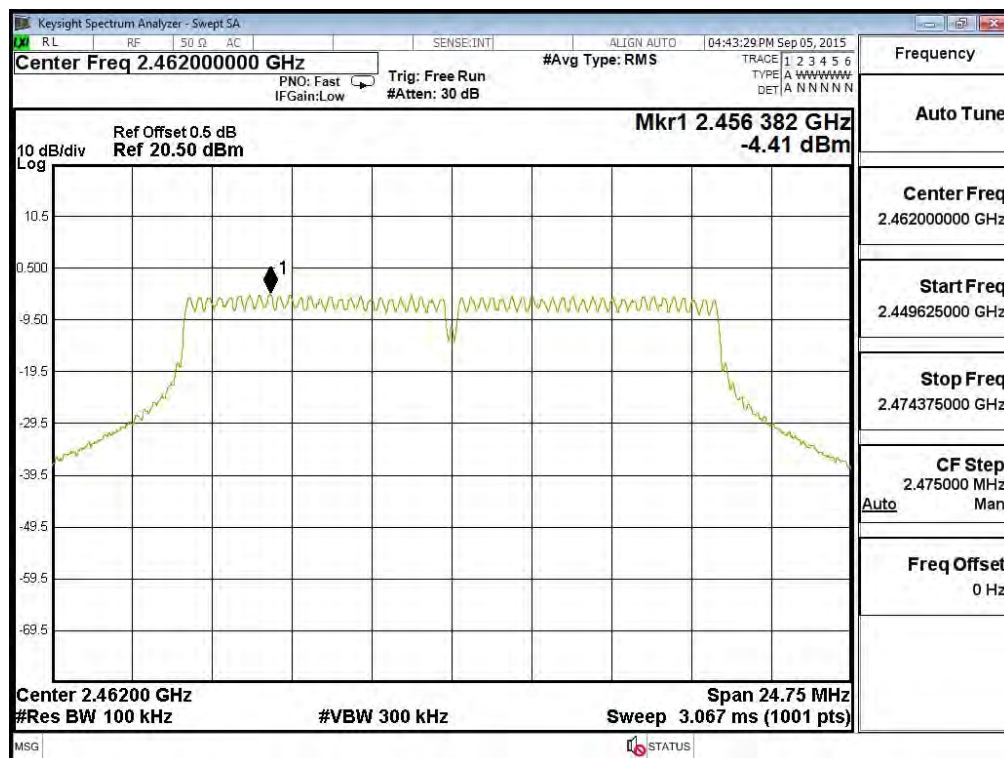


Figure Channel 11: (Chain C)



Product : 802.11ac Dual Band Access Point  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmit - 802.11n-20BW\_21.7Mbps(2.4G Band) (2412MHz)

| CHAIN | PPSD/MHz<br>(dBm) | Total<br>PPSD/MHz<br>(dBm) <sup>1</sup> | Limit  | Result |
|-------|-------------------|-----------------------------------------|--------|--------|
| A     | -4.050            | 0.721                                   | < 8dBm | Pass   |
| B     | -4.460            | 0.311                                   | < 8dBm | Pass   |
| C     | -4.070            | 0.701                                   | < 8dBm | Pass   |

Note 1: The quantity  $10 \cdot \log 2$  (two antennas) is added to the spectrum peak value according to document 662911 D01.

**Figure Channel 1: (Chain A)**

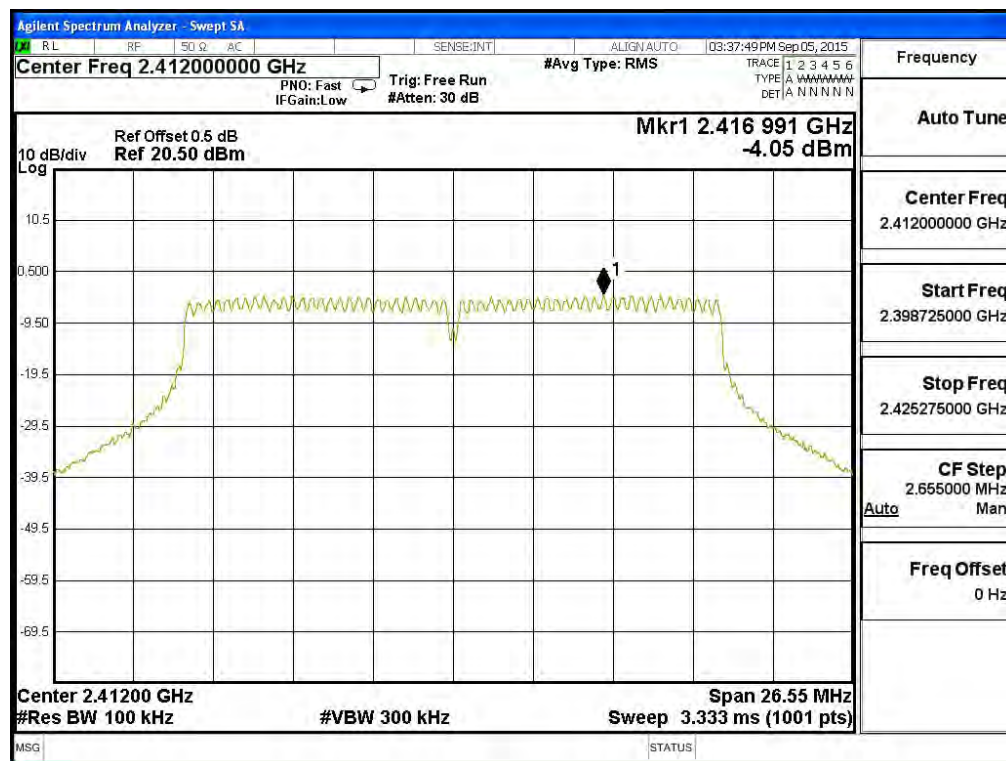


Figure Channel 1: (Chain B)

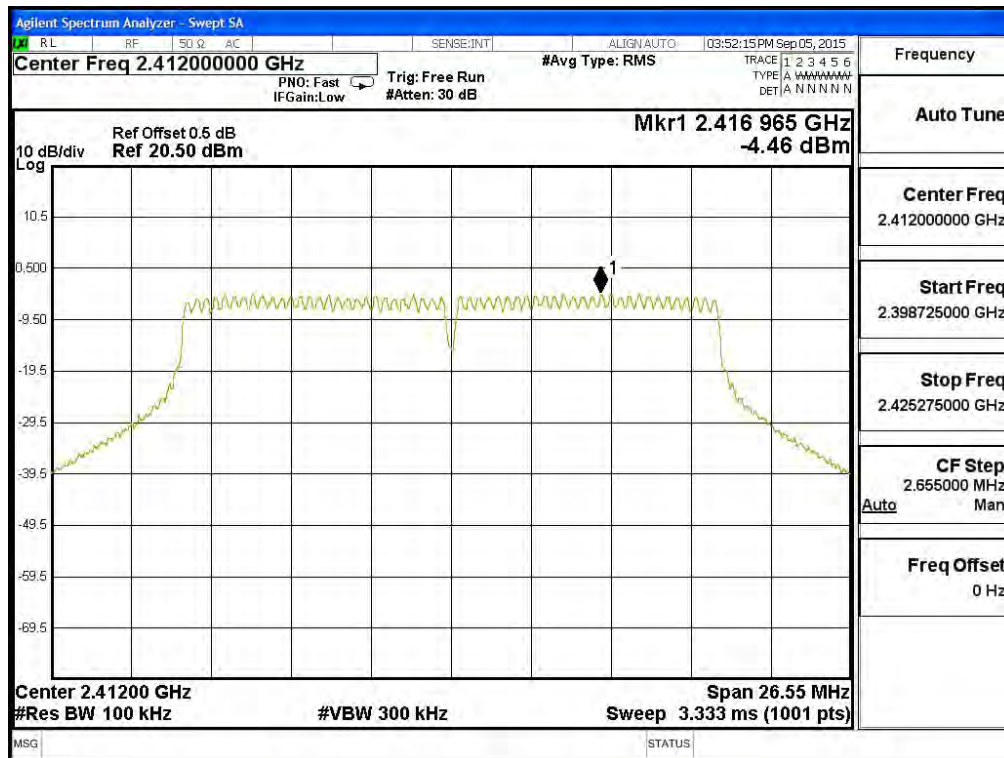
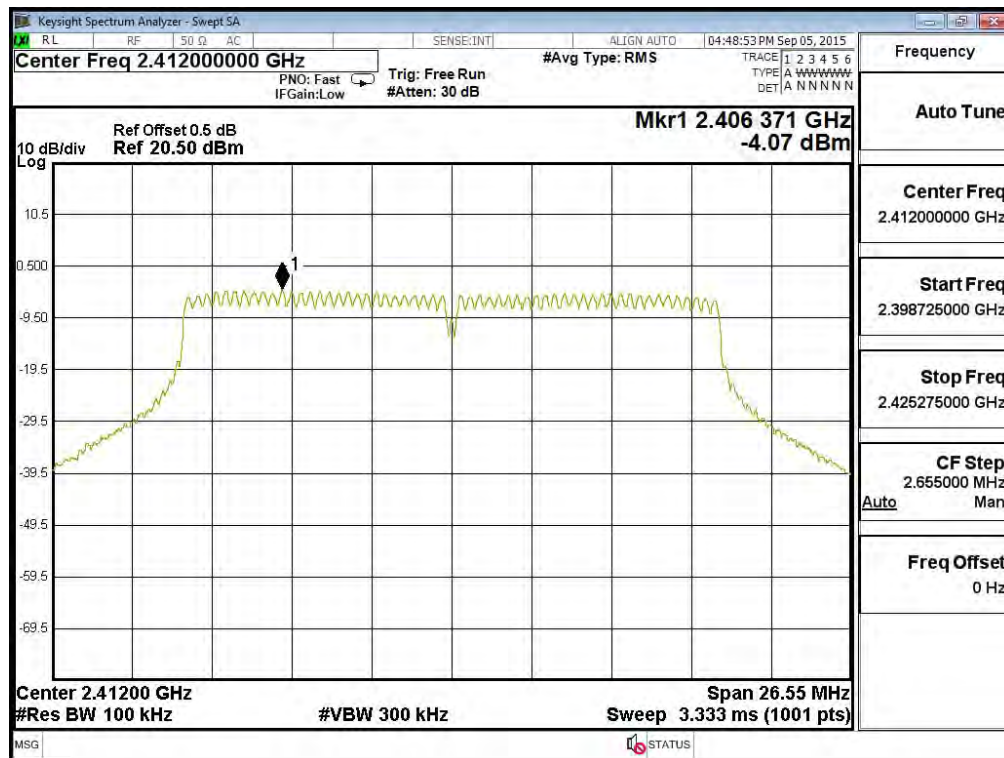


Figure Channel 1: (Chain C)



Product : 802.11ac Dual Band Access Point  
Test Item : Power Density Data  
Test Site : No.3OATS  
Test Mode : Mode 4: Transmit - 802.11n-20BW\_21.7Mbps(2.4G Band) (2437MHz)

| CHAIN | PPSD/MHz<br>(dBm) | Total<br>PPSD/MHz<br>(dBm)1 | Limit  | Result |
|-------|-------------------|-----------------------------|--------|--------|
| A     | 2.260             | 7.031                       | < 8dBm | Pass   |
| B     | 1.530             | 6.301                       | < 8dBm | Pass   |
| C     | 2.360             | 7.131                       | < 8dBm | Pass   |

Note 1: The quantity  $10 \cdot \log 2$  (two antennas) is added to the spectrum peak value according to document 662911 D01.

**Figure Channel 6: (Chain A)**

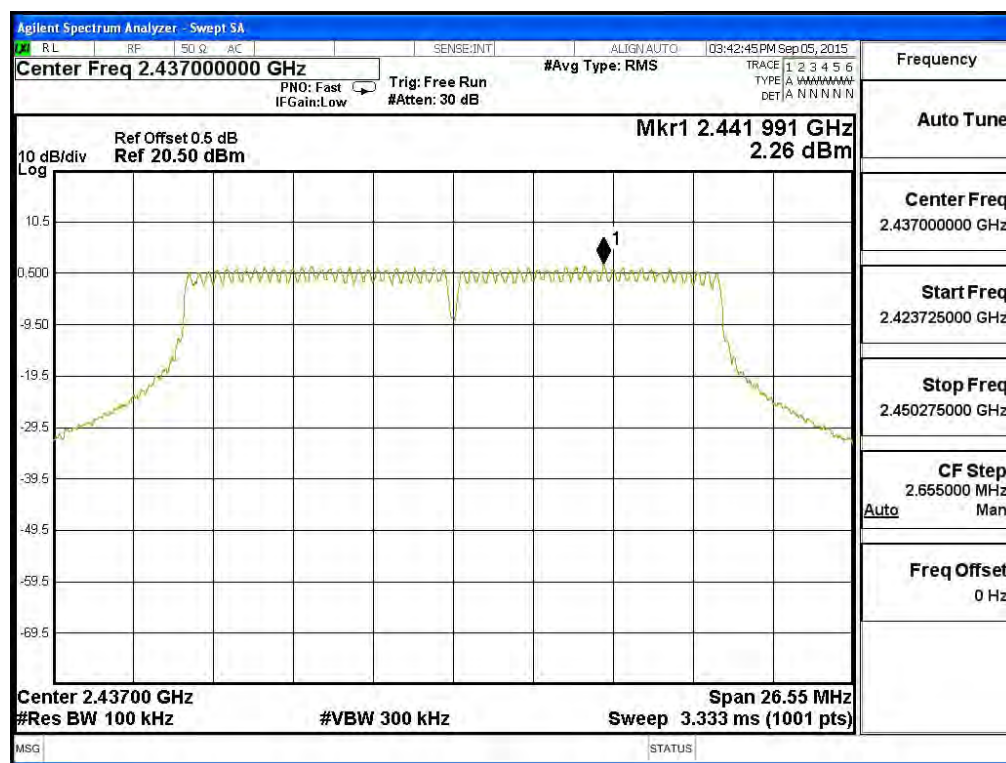


Figure Channel 6: (Chain B)

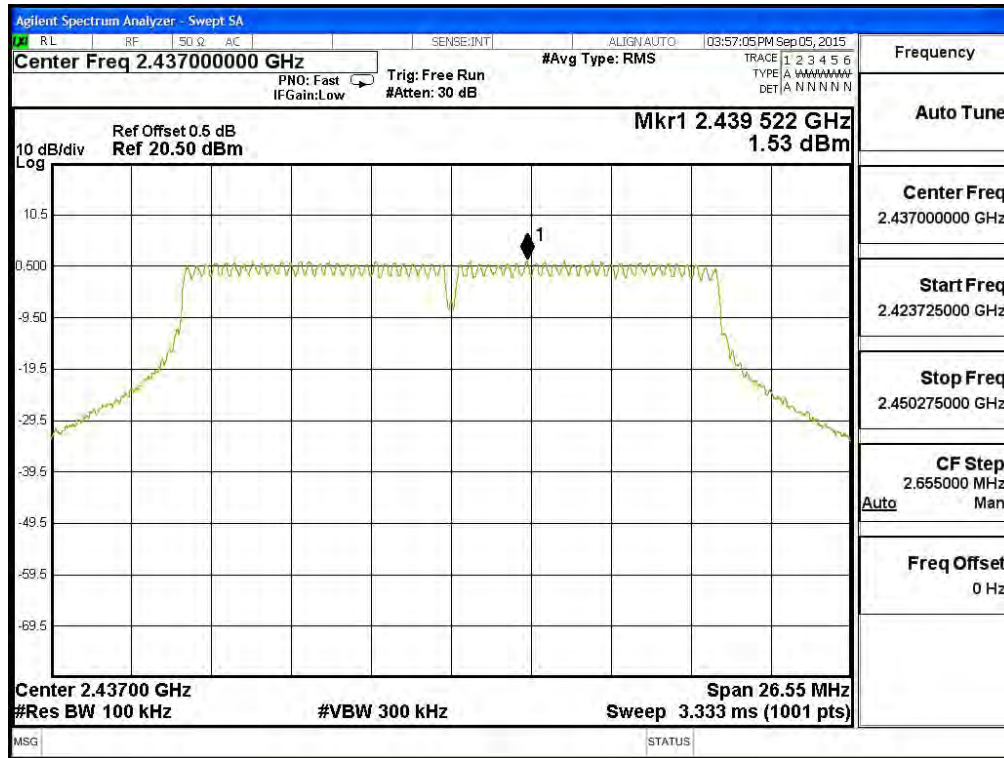
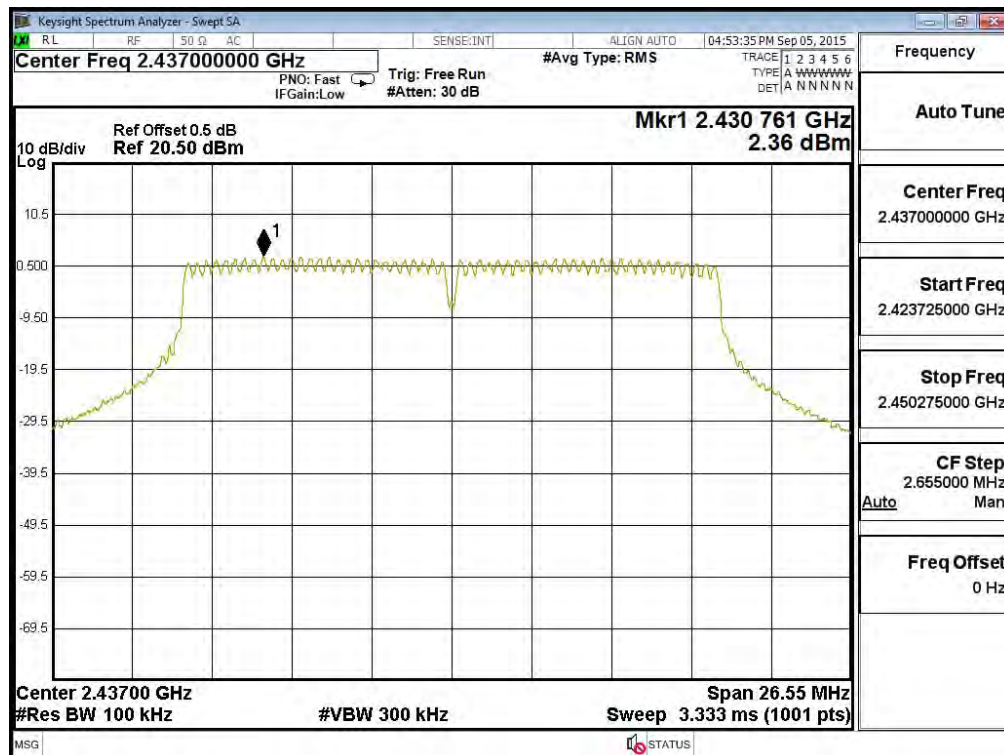


Figure Channel 6: (Chain C)



Product : 802.11ac Dual Band Access Point  
Test Item : Power Density Data  
Test Site : No.3 OATS  
Test Mode : Mode 4: Transmit - 802.11n-20BW\_21.7Mbps(2.4G Band) (2462MHz)

| CHAIN | PPSD/MHz<br>(dBm) | Total<br>PPSD/MHz<br>(dBm)1 | Limit  | Result |
|-------|-------------------|-----------------------------|--------|--------|
| A     | -6.740            | -1.969                      | < 8dBm | Pass   |
| B     | -6.470            | -1.699                      | < 8dBm | Pass   |
| C     | -6.010            | -1.239                      | < 8dBm | Pass   |

Note 1: The quantity  $10 \cdot \log 2$  (two antennas) is added to the spectrum peak value according to document 662911 D01.

**Figure Channel 11: (Chain A)**

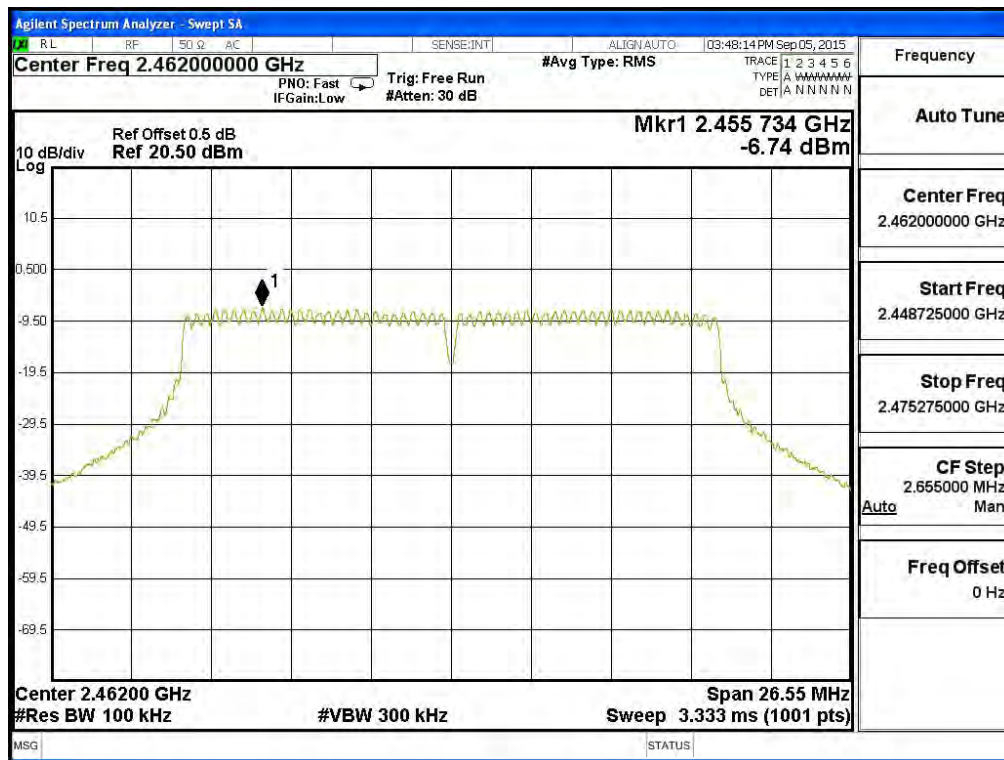


Figure Channel 11: (Chain B)

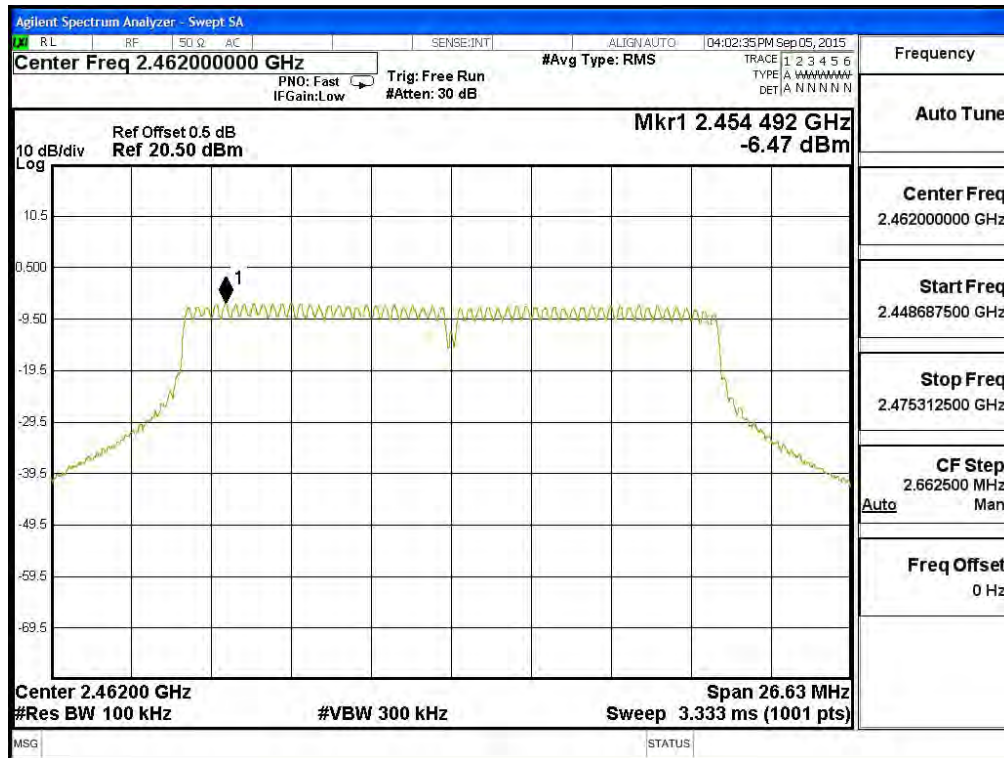
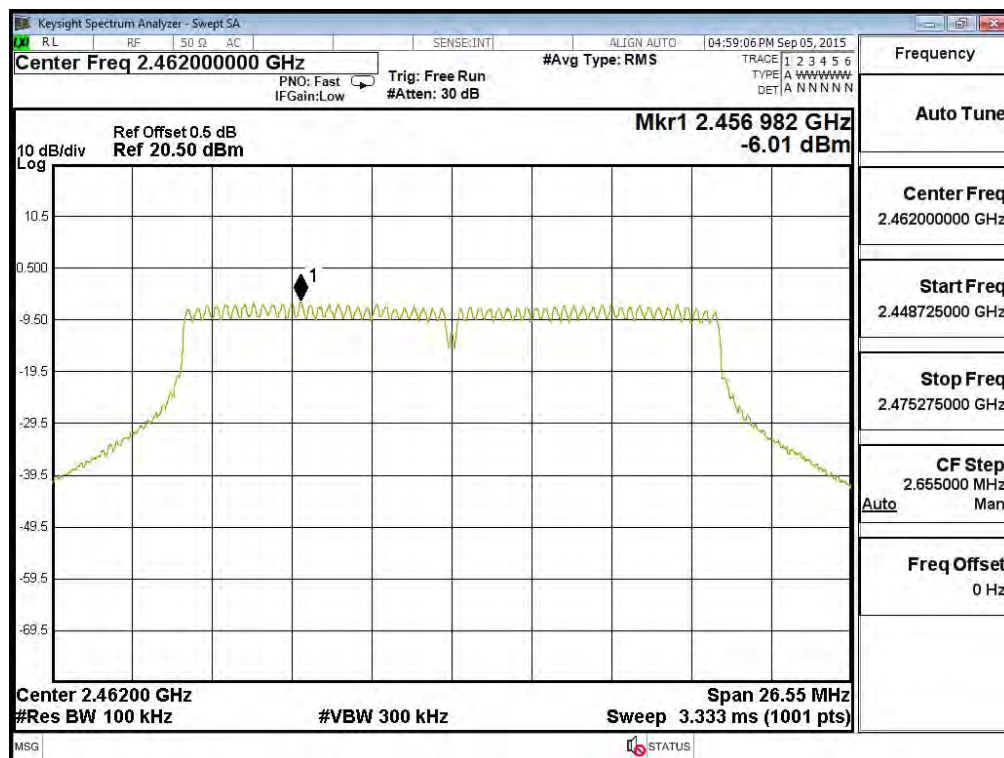


Figure Channel 11: (Chain C)



Product : 802.11ac Dual Band Access Point  
Test Item : Power Density Data  
Test Site : No.3 OATS  
Test Mode : Mode 5: Transmit - 802.11n-40BW\_45Mbps(2.4G Band) (2422MHz)

| CHAIN | PPSD/MHz<br>(dBm) | Total<br>PPSD/MHz<br>(dBm)1 | Limit  | Result |
|-------|-------------------|-----------------------------|--------|--------|
| A     | -9.490            | -4.719                      | < 8dBm | Pass   |
| B     | -9.460            | -4.689                      | < 8dBm | Pass   |
| C     | -9.750            | -4.979                      | < 8dBm | Pass   |

Note 1: The quantity  $10 \cdot \log 2$  (two antennas) is added to the spectrum peak value according to document 662911 D01.

**Figure Channel 1: (Chain A)**

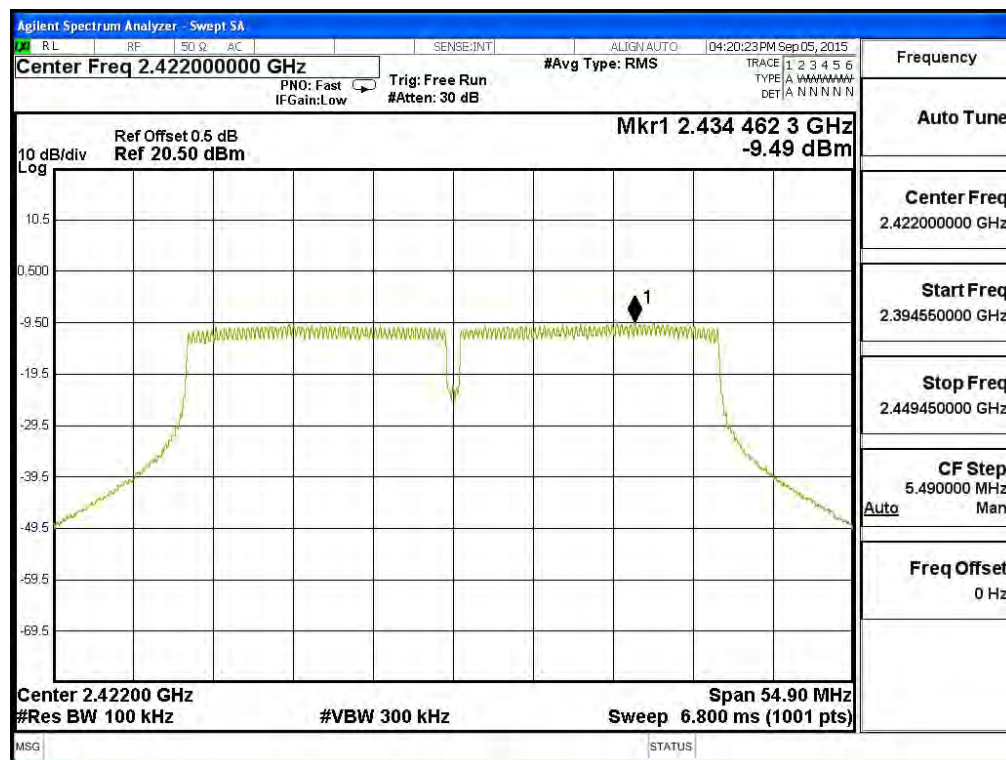


Figure Channel 1: (Chain B)

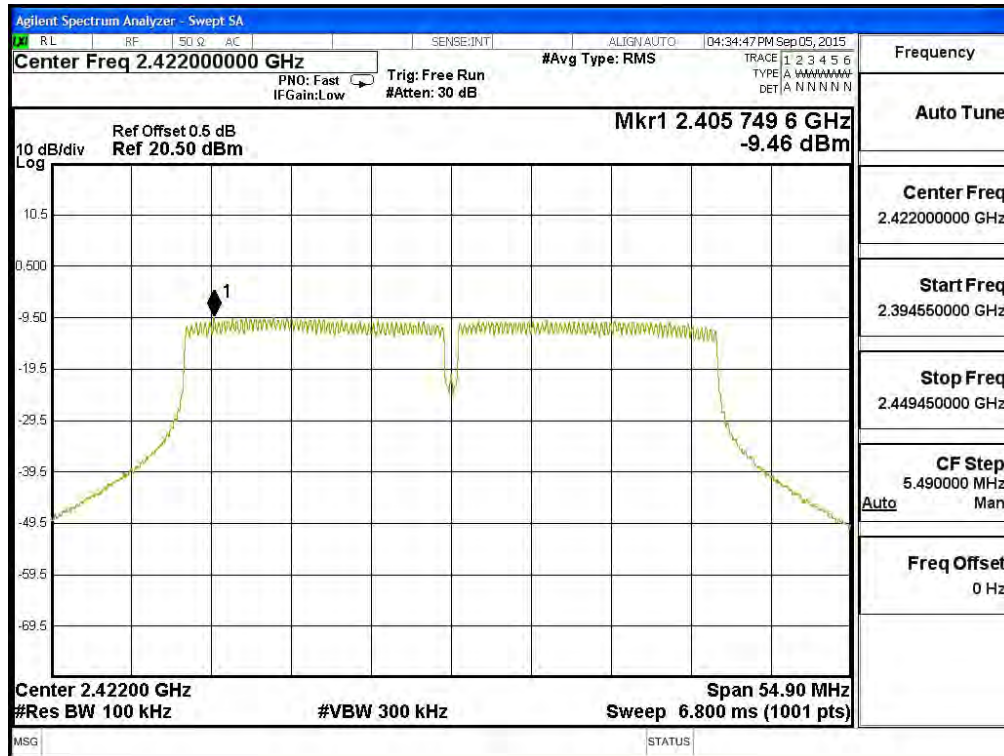
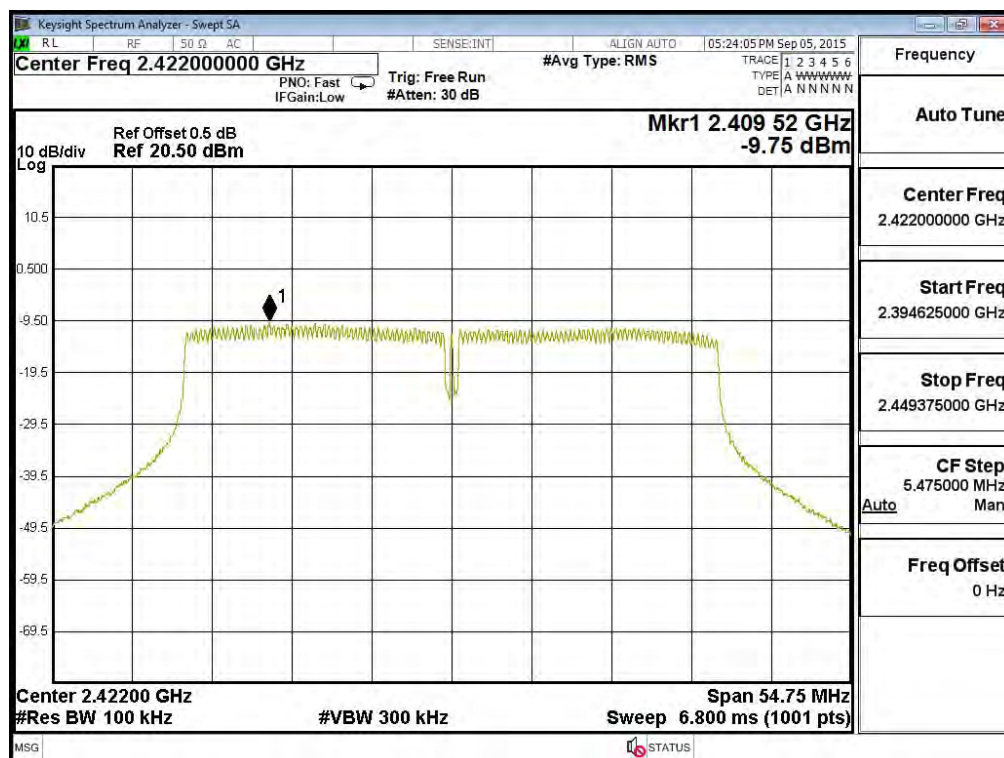


Figure Channel 1: (Chain C)



Product : 802.11ac Dual Band Access Point  
Test Item : Power Density Data  
Test Site : No.3OATS  
Test Mode : Mode 5: Transmit - 802.11n-40BW\_45Mbps(2.4G Band) (2437MHz)

| CHAIN | PPSD/MHz<br>(dBm) | Total<br>PPSD/MHz<br>(dBm)1 | Limit  | Result |
|-------|-------------------|-----------------------------|--------|--------|
| A     | -6.150            | -1.379                      | < 8dBm | Pass   |
| B     | -5.840            | -1.069                      | < 8dBm | Pass   |
| C     | -6.000            | -1.229                      | < 8dBm | Pass   |

Note 1: The quantity  $10 \cdot \log 2$  (two antennas) is added to the spectrum peak value according to document 662911 D01.

**Figure Channel 4: (Chain A)**

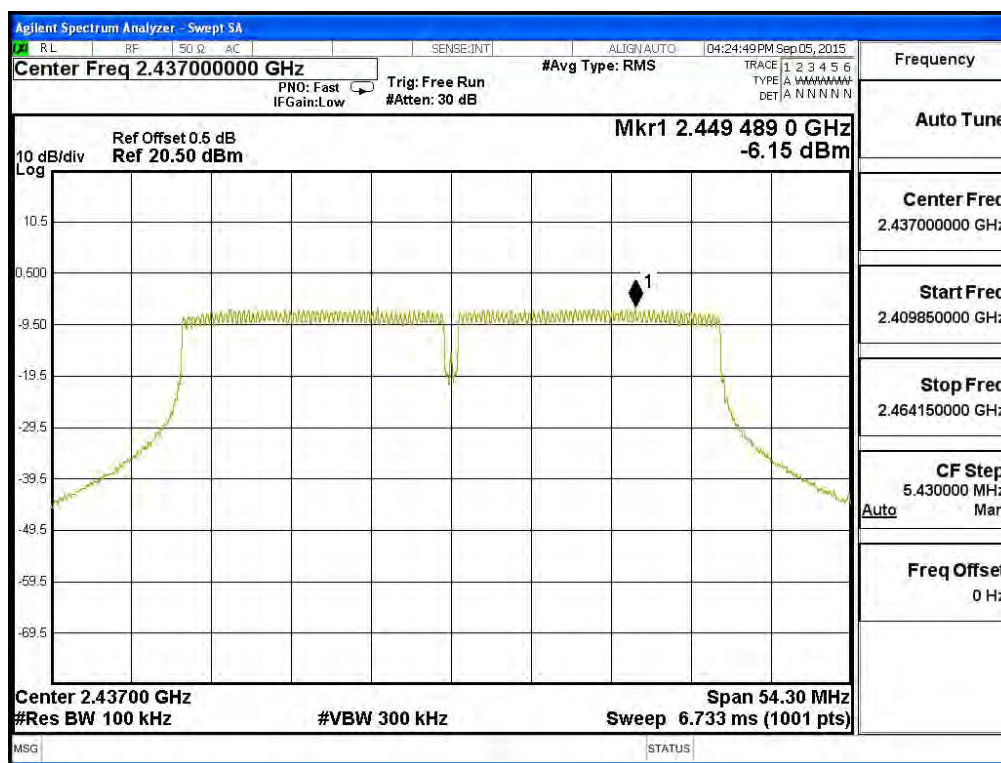


Figure Channel 4: (Chain B)

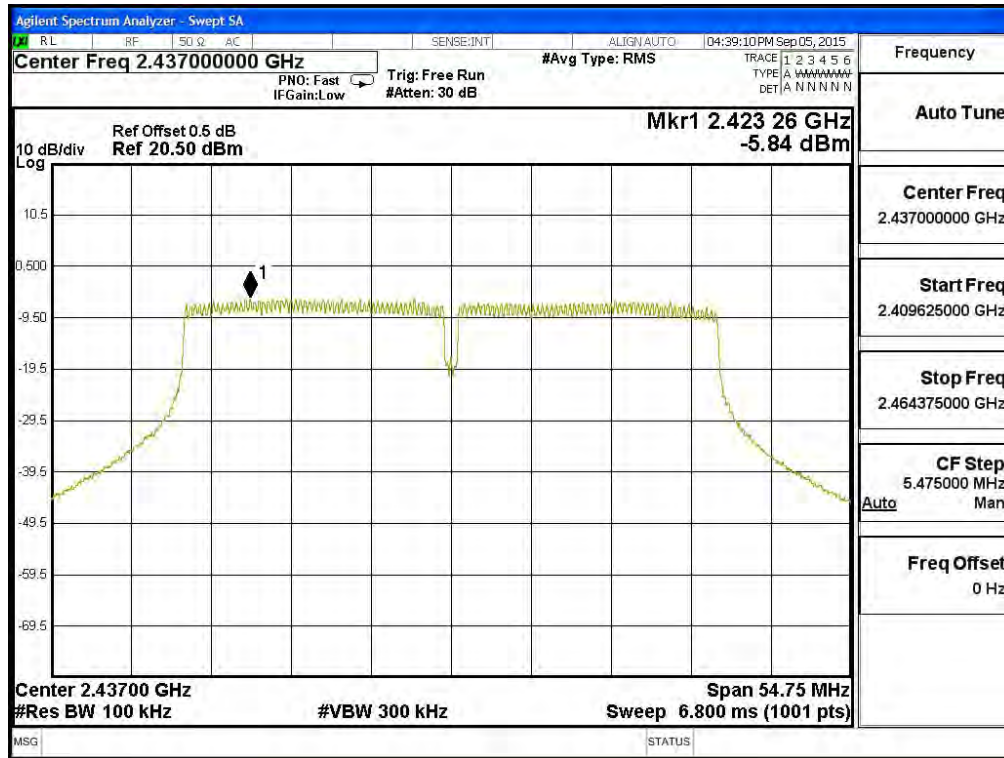
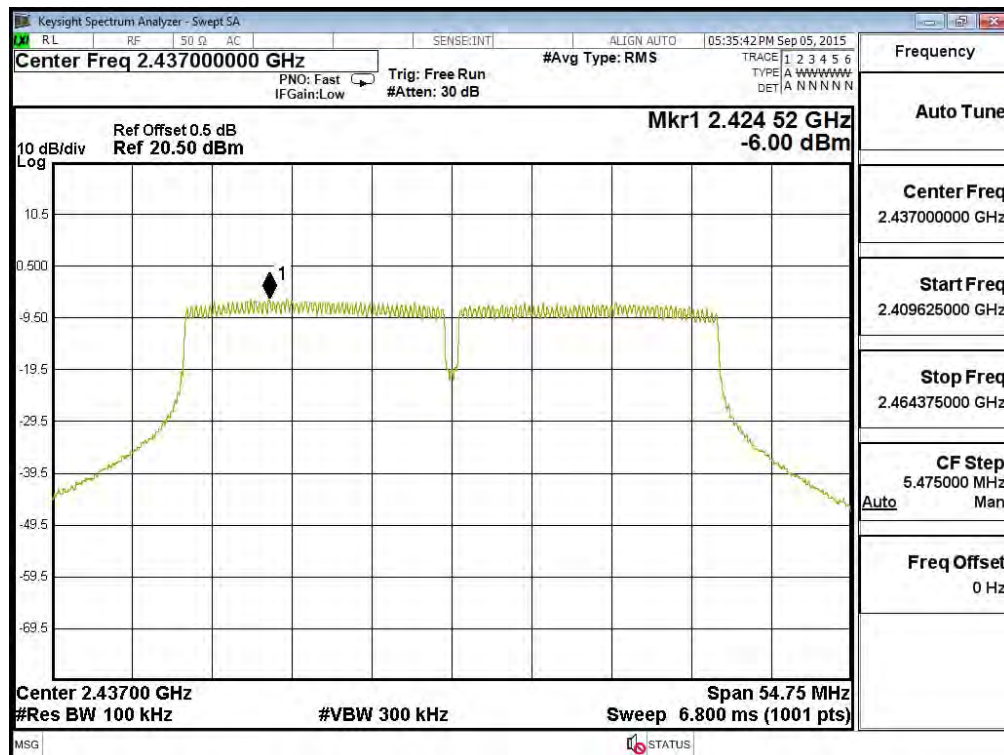


Figure Channel 4: (Chain C)



Product : 802.11ac Dual Band Access Point  
Test Item : Power Density Data  
Test Site : No.3 OATS  
Test Mode : Mode 5: Transmit - 802.11n-40BW\_45Mbps(2.4G Band) (2452MHz)

| CHAIN | PPSD/MHz<br>(dBm) | Total<br>PPSD/MHz<br>(dBm)1 | Limit  | Result |
|-------|-------------------|-----------------------------|--------|--------|
| A     | -12.050           | -7.279                      | < 8dBm | Pass   |
| B     | -11.080           | -6.309                      | < 8dBm | Pass   |
| C     | -11.480           | -6.709                      | < 8dBm | Pass   |

Note 1: The quantity  $10 \cdot \log 2$  (two antennas) is added to the spectrum peak value according to document 662911 D01.

**Figure Channel 7: (Chain A)**

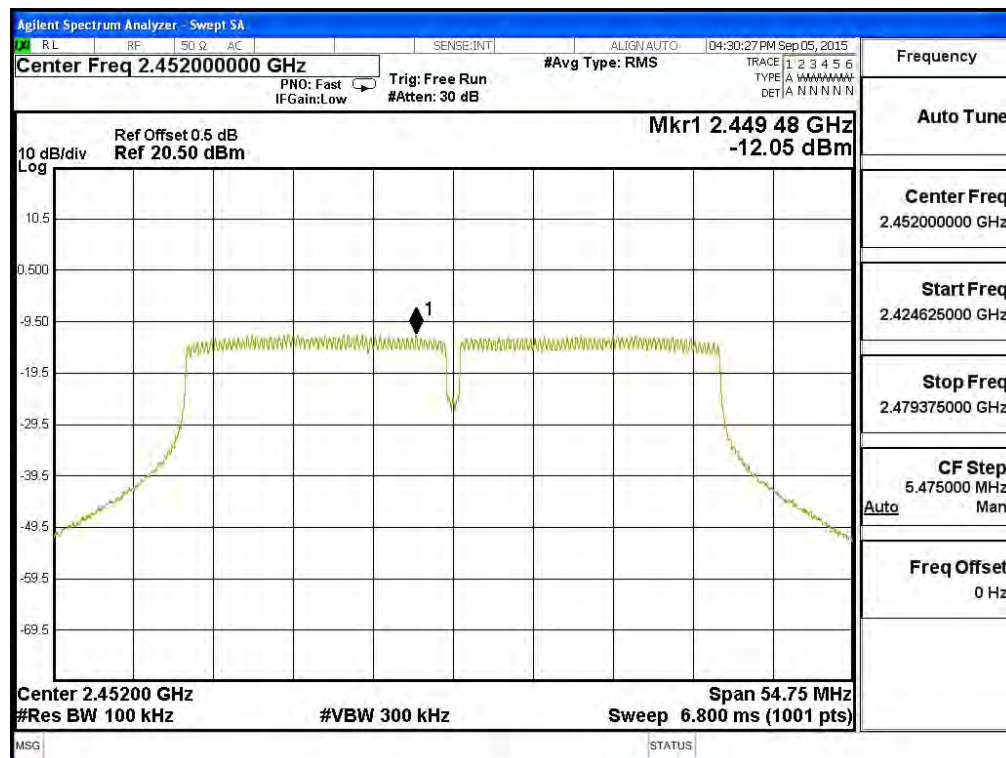


Figure Channel 7: (Chain B)

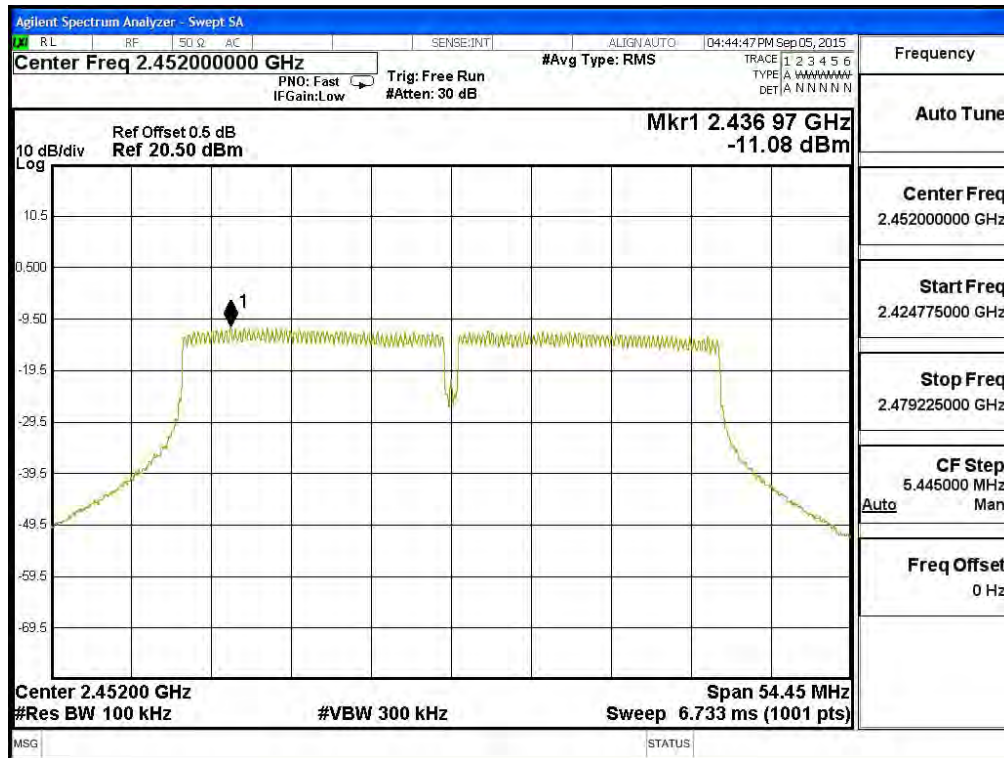
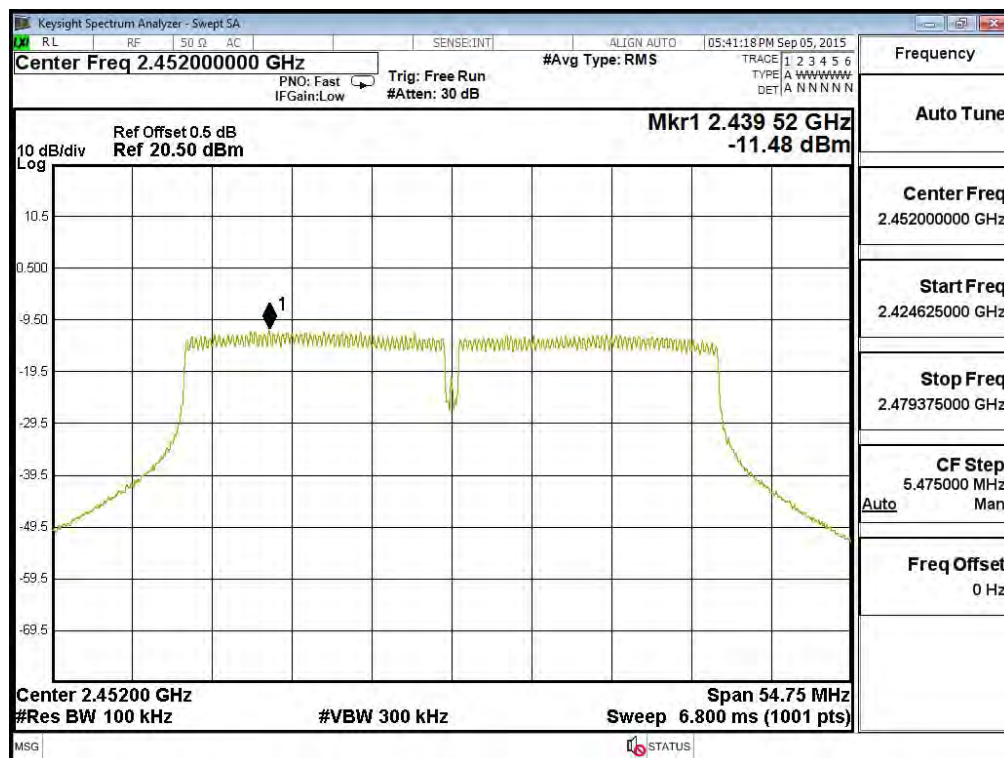


Figure Channel 7: (Chain C)



## **9. EMI Reduction Method During Compliance Testing**

No modification was made during testing.