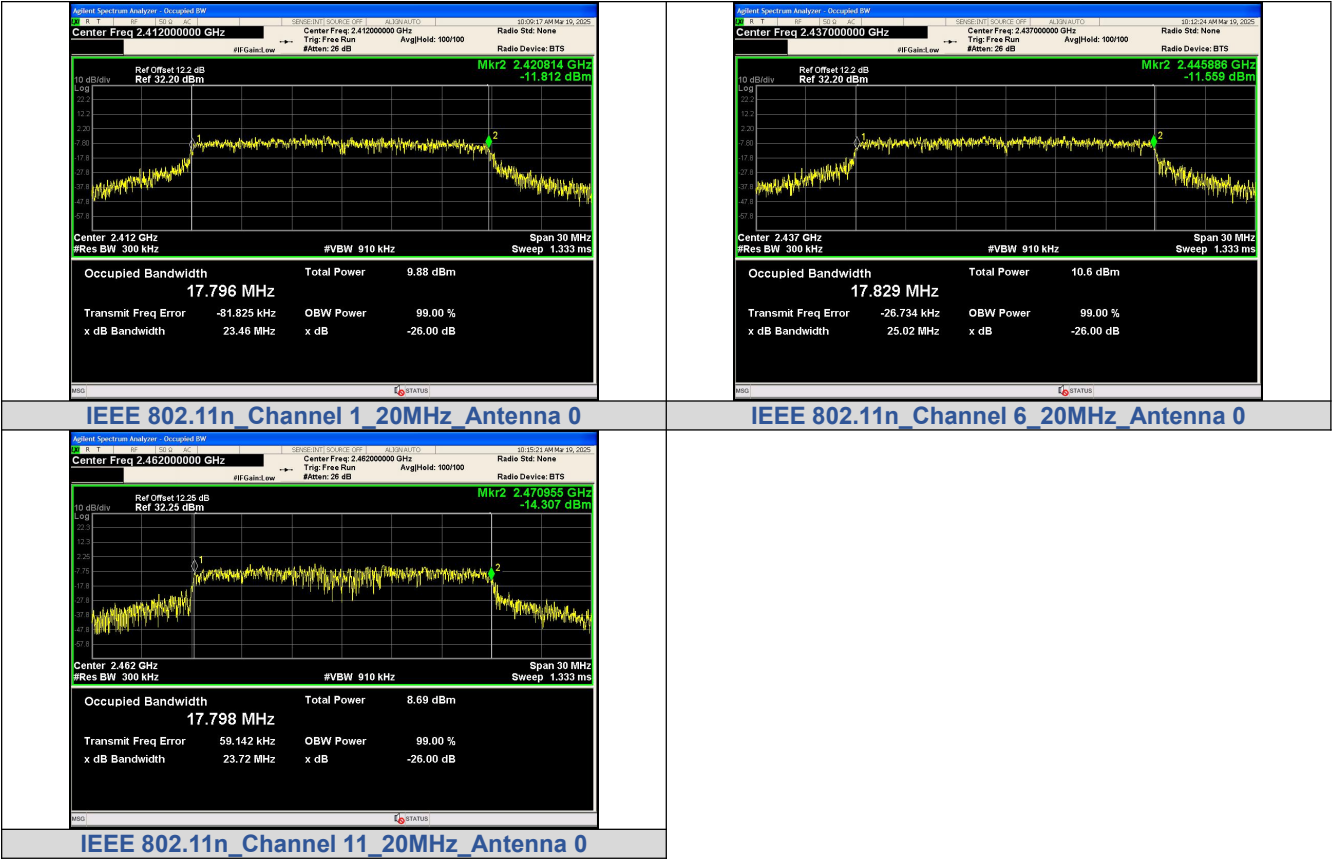


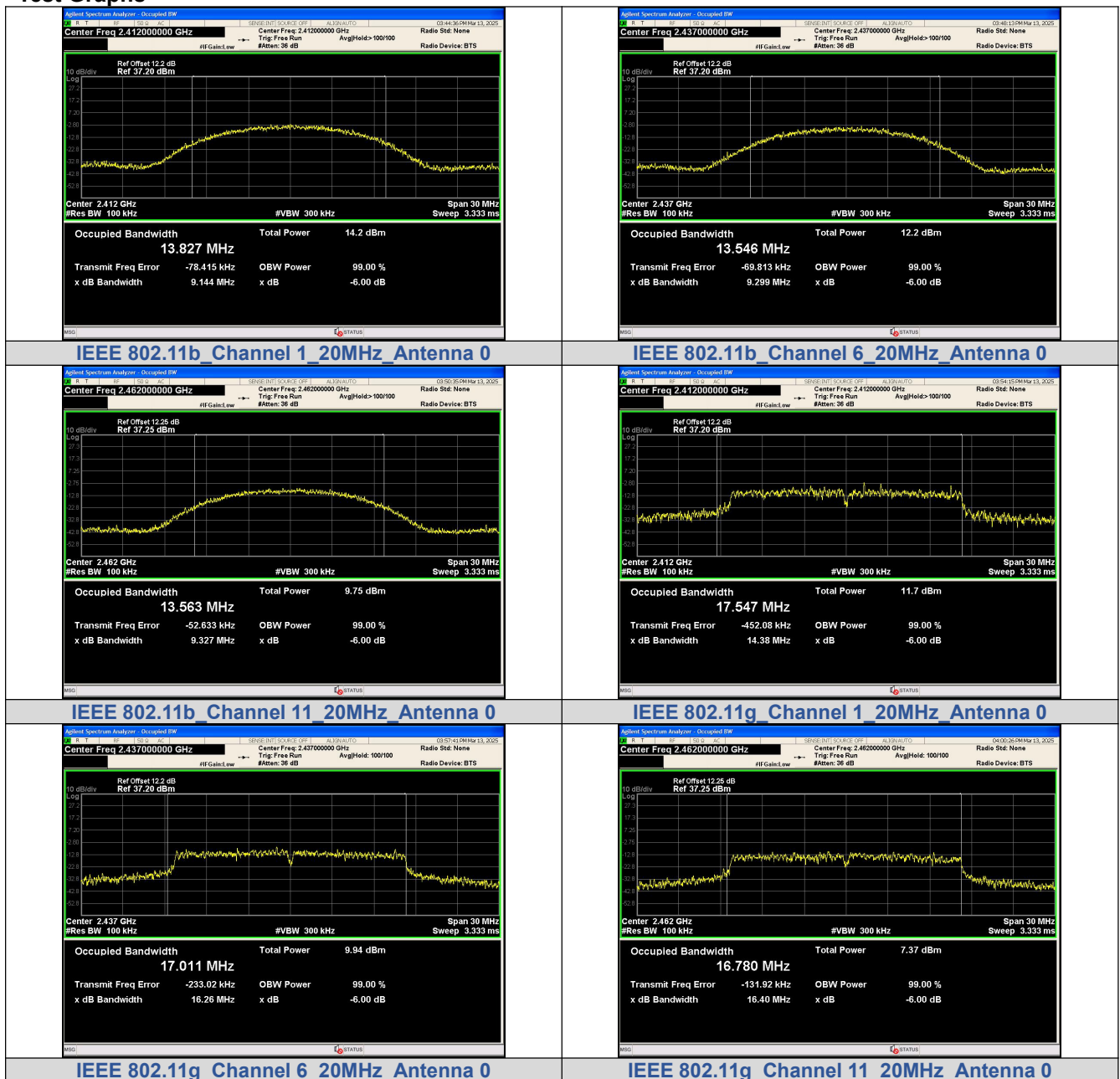


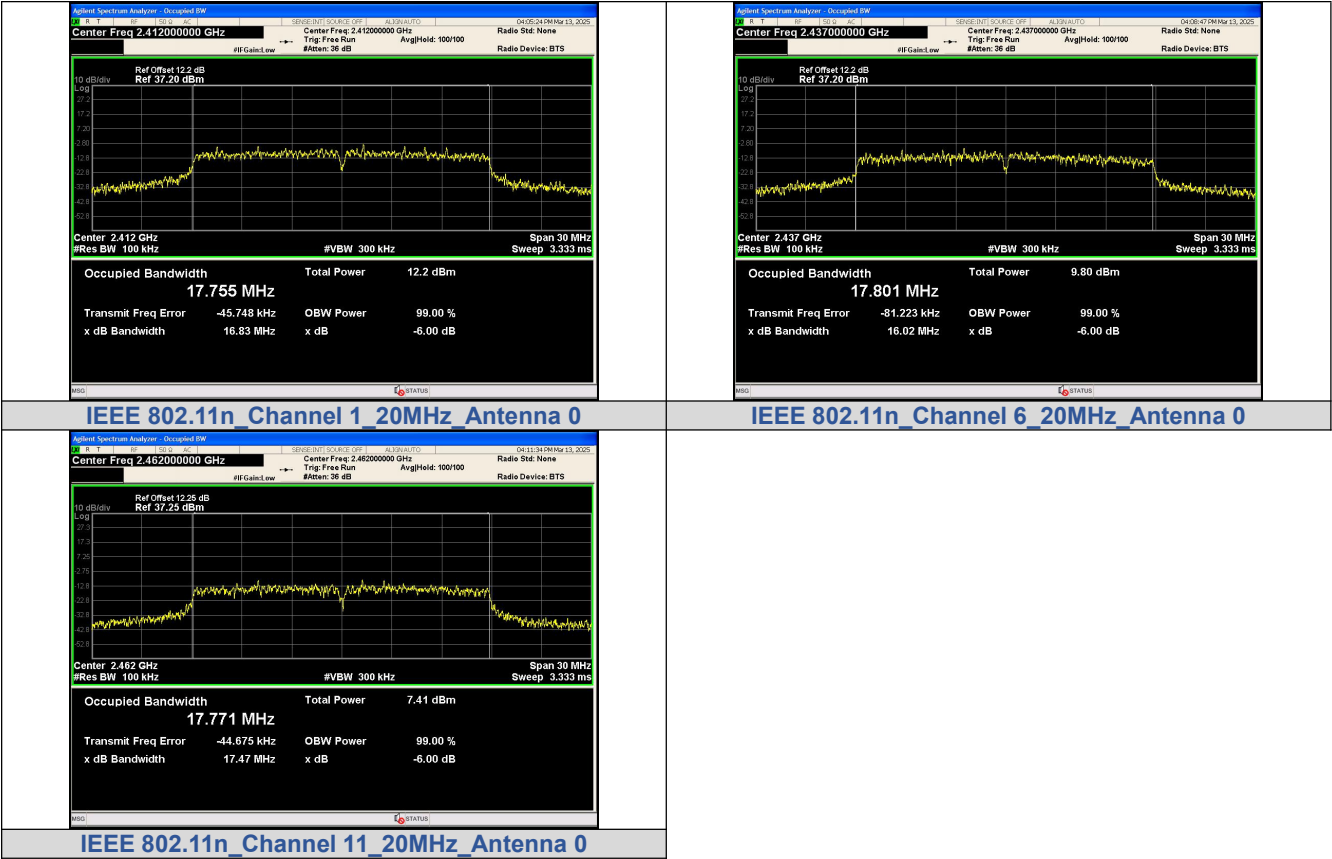
## APPENDIX III. 6dB Bandwidth

### Antenna A: Test Result

| Mode            | Channel | Ant. | Center Frequency (MHz) | 6 dB Bandwidth (MHz) | Limit (MHz) | Result |
|-----------------|---------|------|------------------------|----------------------|-------------|--------|
| IEEE 802.11b    | 1       | 0    | 2412                   | 9.144                | ≥0.5        | PASS   |
|                 | 6       |      | 2437                   | 9.299                |             | PASS   |
|                 | 11      |      | 2462                   | 9.327                |             | PASS   |
| IEEE 802.11g    | 1       |      | 2412                   | 14.38                |             | PASS   |
|                 | 6       |      | 2437                   | 16.26                |             | PASS   |
|                 | 11      |      | 2462                   | 16.40                |             | PASS   |
| IEEE 802.11n_20 | 1       |      | 2412                   | 16.83                |             | PASS   |
|                 | 6       |      | 2437                   | 16.02                |             | PASS   |
|                 | 11      |      | 2462                   | 17.47                |             | PASS   |

### Test Graphs

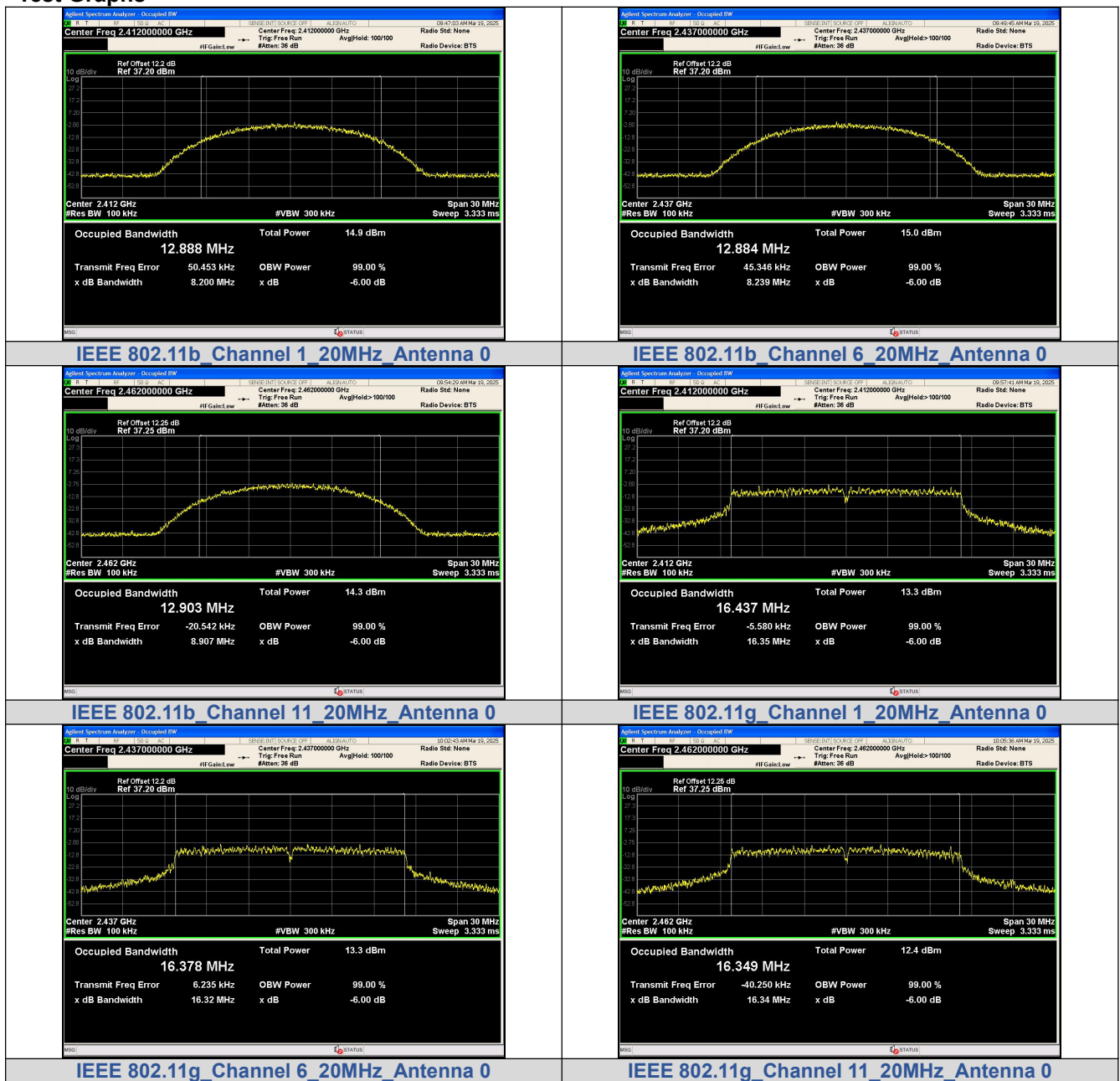


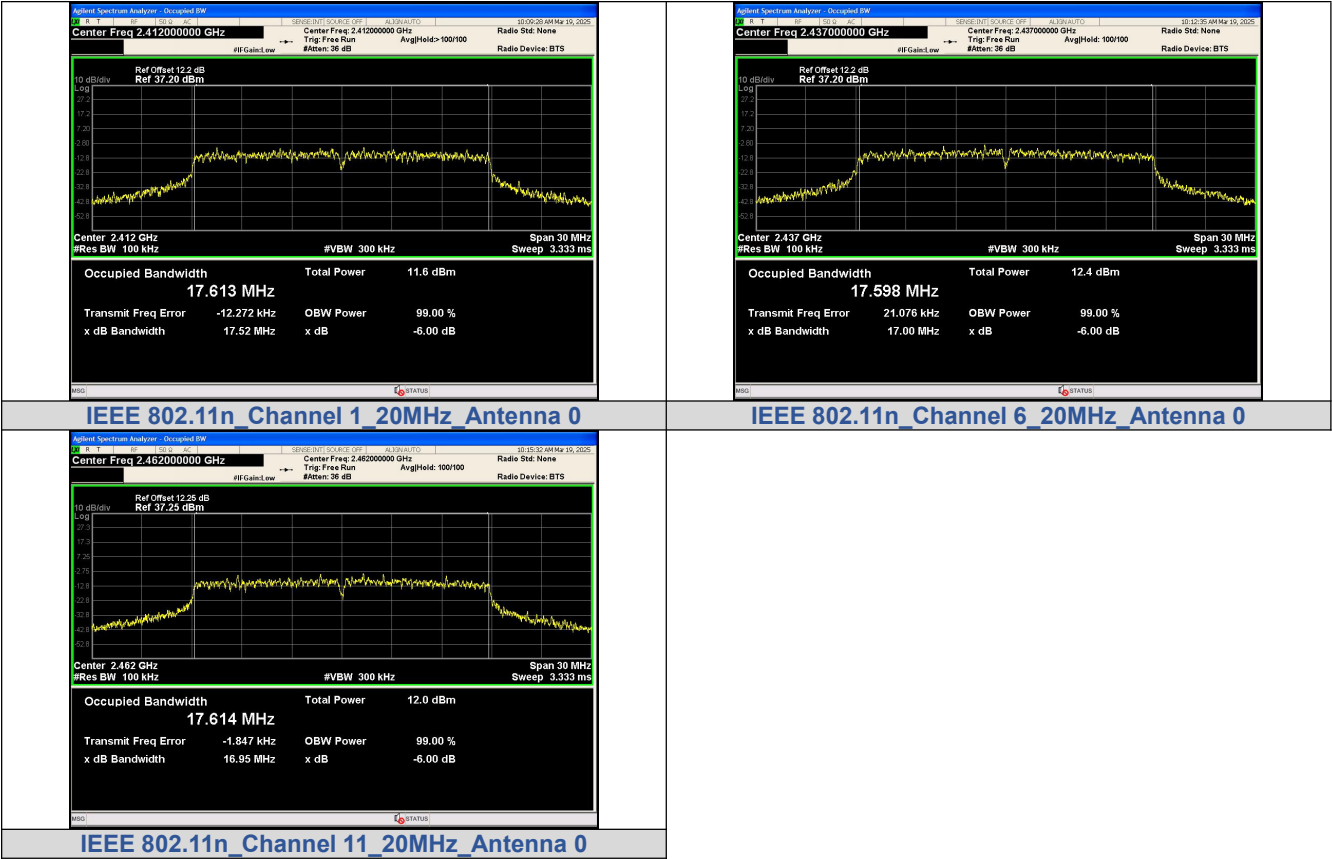


### Antenna B: Test Result

| Mode            | Channel | Ant. | Center Frequency (MHz) | 6 dB Bandwidth (MHz) | Limit (MHz) | Result |
|-----------------|---------|------|------------------------|----------------------|-------------|--------|
| IEEE 802.11b    | 1       | 0    | 2412                   | 8.200                | ≥0.5        | PASS   |
|                 | 6       |      | 2437                   | 8.239                |             | PASS   |
|                 | 11      |      | 2462                   | 8.907                |             | PASS   |
| IEEE 802.11g    | 1       |      | 2412                   | 16.35                |             | PASS   |
|                 | 6       |      | 2437                   | 16.32                |             | PASS   |
|                 | 11      |      | 2462                   | 16.34                |             | PASS   |
| IEEE 802.11n_20 | 1       |      | 2412                   | 17.52                |             | PASS   |
|                 | 6       |      | 2437                   | 17.00                |             | PASS   |
|                 | 11      |      | 2462                   | 16.95                |             | PASS   |

### Test Graphs



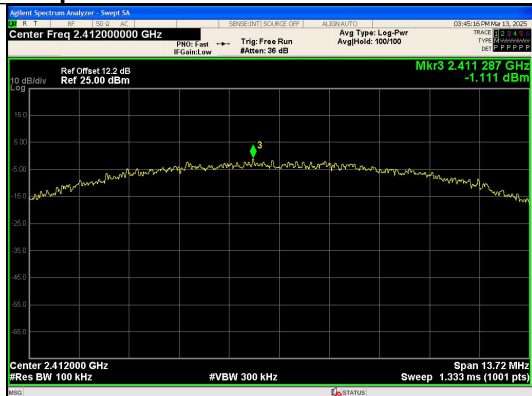


## APPENDIX IV. Conducted Out Of Band Emission

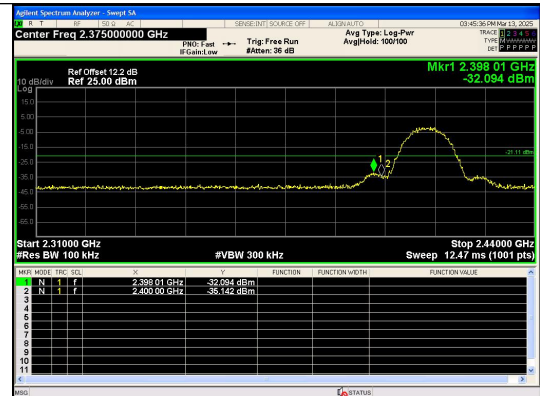
Antenna A:  
Test Result

| Mode            | Channel            | Ant. | OOB<br>Emission<br>Frequency<br>(MHz) | OOB<br>Emission<br>Level<br>(dBm) | Limit<br>(dBm) | Over Limit<br>(dB) | Result  |      |
|-----------------|--------------------|------|---------------------------------------|-----------------------------------|----------------|--------------------|---------|------|
| IEEE<br>802.11b | 1                  | 0    | 2398.01                               | -32.094                           | -21.11         | -10.984            | PASS    |      |
|                 |                    |      | 2400.00                               | -35.142                           | -21.11         | -14.032            | PASS    |      |
|                 |                    |      | 4823.60                               | -34.952                           | -21.11         | -13.842            | PASS    |      |
|                 |                    |      | 7232.60                               | -39.047                           | -21.11         | -17.937            | PASS    |      |
|                 | 9647.80            |      | -36.871                               | -21.11                            | -15.761        | PASS               |         |      |
|                 | 6                  |      | 4874.18                               | -34.765                           | -24.09         | -10.675            | PASS    |      |
|                 |                    |      | 7310.63                               | -40.129                           | -24.09         | -16.039            | PASS    |      |
|                 |                    |      | 9747.70                               | -37.935                           | -24.09         | -13.845            | PASS    |      |
|                 |                    |      | 2483.50                               | -41.942                           | -26.29         | -15.652            | PASS    |      |
|                 | 11                 |      | 4923.50                               | -34.544                           | -26.29         | -8.254             | PASS    |      |
|                 |                    |      | 7391.16                               | -42.389                           | -26.29         | -16.099            | PASS    |      |
|                 |                    |      | 9848.20                               | -40.572                           | -26.29         | -14.282            | PASS    |      |
| 2398.92         |                    |      | -23.957                               | -23.83                            | -0.127         | PASS               |         |      |
| IEEE<br>802.11g | 1                  |      | 2400.00                               | -26.112                           | -23.83         | -2.282             | PASS    |      |
|                 |                    |      | 4814.90                               | -40.853                           | -23.83         | -17.023            | PASS    |      |
|                 |                    |      | 7222.60                               | -38.312                           | -23.83         | -14.482            | PASS    |      |
|                 |                    |      | 9646.60                               | -45.215                           | -23.83         | -21.385            | PASS    |      |
|                 |                    |      | 24888.3                               | -35.406                           | -23.83         | -11.576            | PASS    |      |
|                 |                    |      | 4879.17                               | -39.688                           | -26.2          | -13.488            | PASS    |      |
|                 | 6                  |      | 7311.88                               | -42.337                           | -26.2          | -16.137            | PASS    |      |
|                 |                    |      | 9757.06                               | -46.525                           | -26.2          | -20.325            | PASS    |      |
|                 |                    |      | 24870.8                               | -35.382                           | -26.2          | -9.182             | PASS    |      |
|                 |                    |      | 11                                    | 2483.50                           | -41.074        | -27.33             | -13.744 | PASS |
|                 |                    |      |                                       | 4918.50                           | -41.466        | -27.33             | -14.136 | PASS |
|                 |                    |      |                                       | 7372.43                           | -41.729        | -27.33             | -14.399 | PASS |
|                 | 9842.59            |      |                                       | -46.605                           | -27.33         | -19.276            | PASS    |      |
|                 | 24908.9            |      |                                       | -36.321                           | -27.33         | -8.991             | PASS    |      |
|                 | IEEE<br>802.11n_20 |      | 1                                     | 2398.27                           | -27.249        | -23.99             | -3.259  | PASS |
| 2400.00         |                    |      |                                       | -28.045                           | -23.99         | -4.055             | PASS    |      |
| 4818.60         |                    |      |                                       | -39.236                           | -23.99         | -15.246            | PASS    |      |
| 7242.00         |                    |      |                                       | -41.972                           | -23.99         | -17.982            | PASS    |      |
| 9647.80         |                    |      |                                       | -40.723                           | -23.99         | -16.733            | PASS    |      |
| 24912.0         |                    |      |                                       | -35.689                           | -23.99         | -11.699            | PASS    |      |
| 6               |                    |      | 4867.31                               | -41.596                           | -25.33         | -16.266            | PASS    |      |
|                 |                    |      | 7322.49                               | -44.736                           | -25.33         | -19.406            | PASS    |      |
|                 |                    |      | 9728.97                               | -46.656                           | -25.33         | -21.326            | PASS    |      |
|                 |                    |      | 24987.5                               | -35.632                           | -25.33         | -10.302            | PASS    |      |
|                 |                    |      | 11                                    | 2483.50                           | -41.366        | -28.98             | -12.386 | PASS |
|                 |                    |      |                                       | 4931.61                           | -37.811        | -28.98             | -8.831  | PASS |
| 7389.91         |                    |      |                                       | -41.690                           | -28.98         | -12.710            | PASS    |      |
| 9846.33         |                    |      |                                       | -46.882                           | -28.98         | -17.902            | PASS    |      |
| 24930.1         |                    |      |                                       | -35.332                           | -28.98         | -6.352             | PASS    |      |

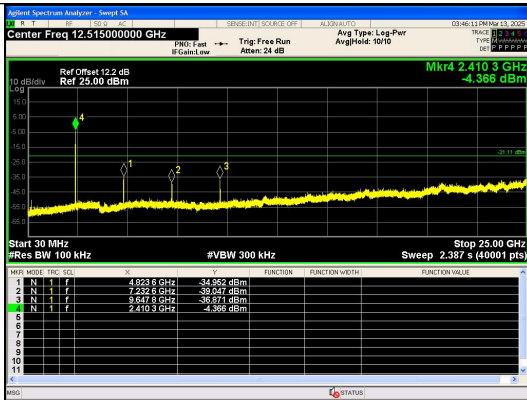
### Test Graphs



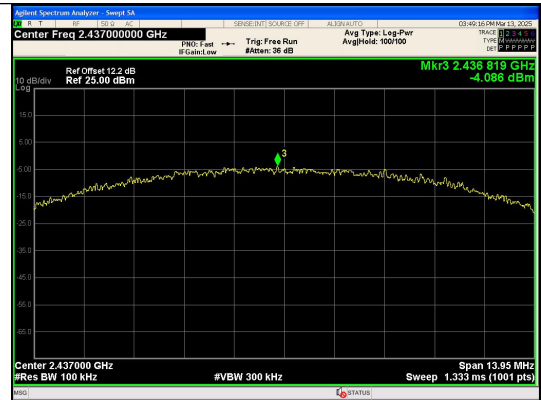
In-Band Reference Level  
IEEE 802.11b Channel 1\_20MHz\_Antenna 0



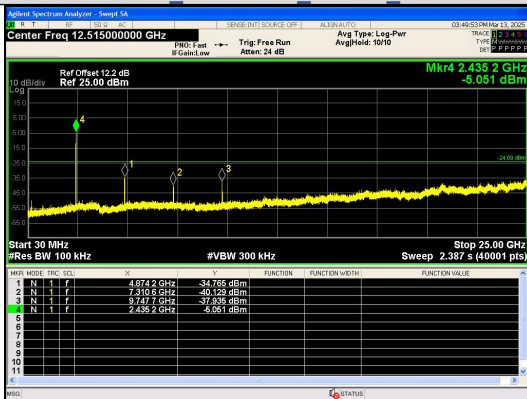
Out Of Band Emission  
IEEE 802.11b Channel 1\_20MHz\_Antenna 0



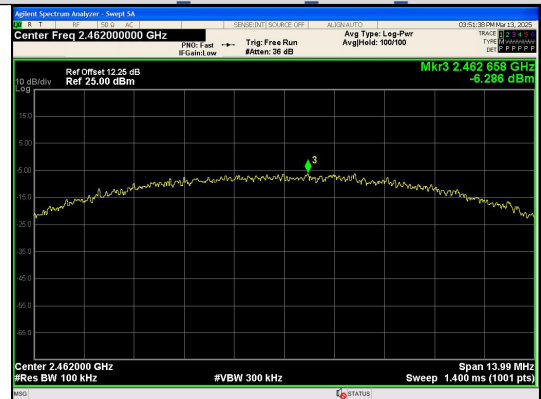
30.0 MHz - 25000.0 MHz  
IEEE 802.11b Channel 1 20MHz Antenna 0



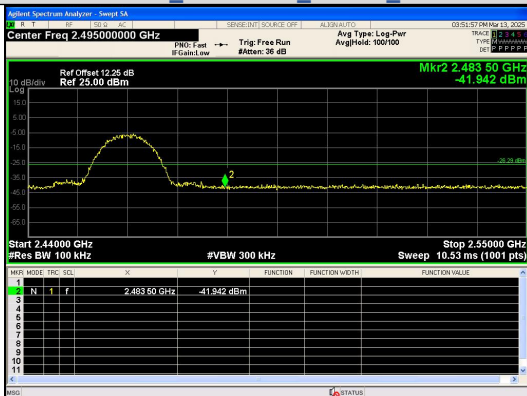
In-Band Reference Level  
IEEE 802.11b Channel 6 20MHz Antenna 0



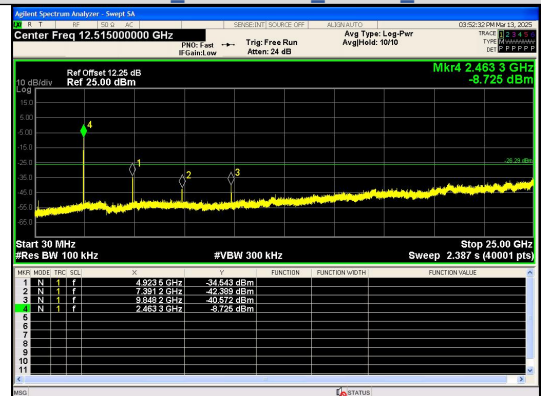
30.0 MHz - 25000.0 MHz  
IEEE 802.11b Channel 6 20MHz Antenna 0



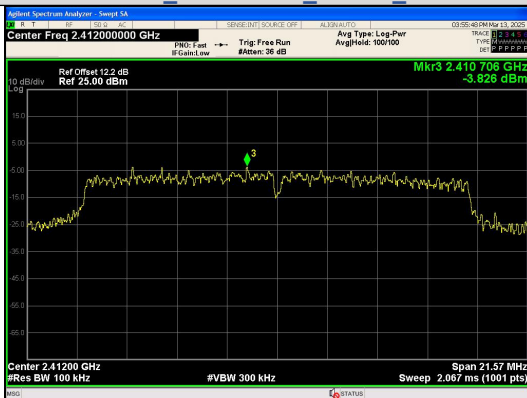
In-Band Reference Level  
IEEE 802.11b Channel 11 20MHz Antenna 0



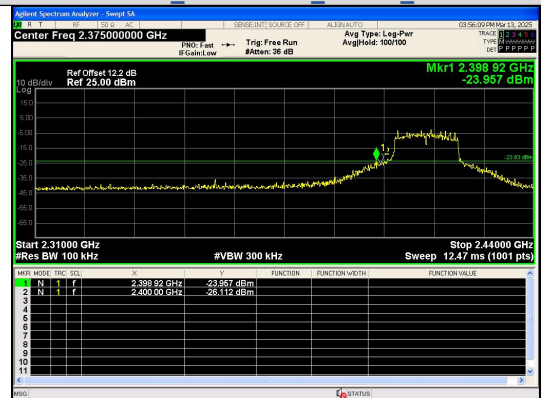
Out Of Band Emission  
IEEE 802.11b Channel 11 20MHz Antenna 0



30.0 MHz - 25000.0 MHz  
IEEE 802.11b Channel 11 20MHz Antenna 0



In-Band Reference Level  
IEEE 802.11g Channel 1 20MHz Antenna 0



Out Of Band Emission  
IEEE 802.11g Channel 1 20MHz Antenna 0

