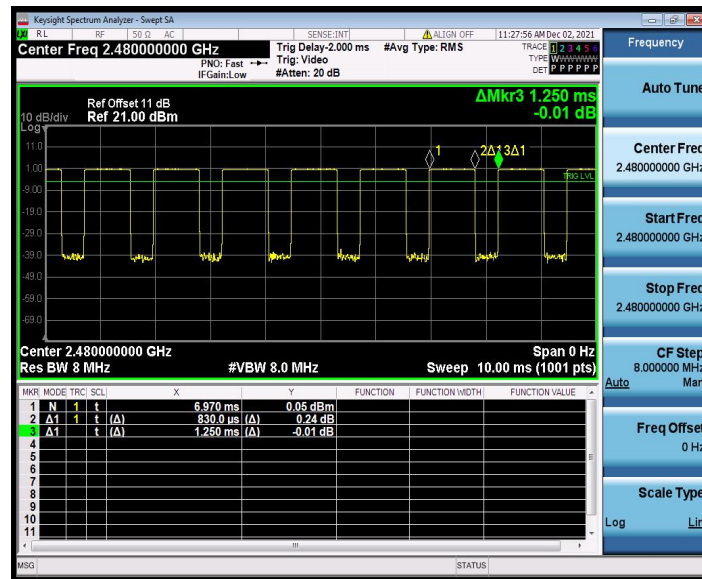


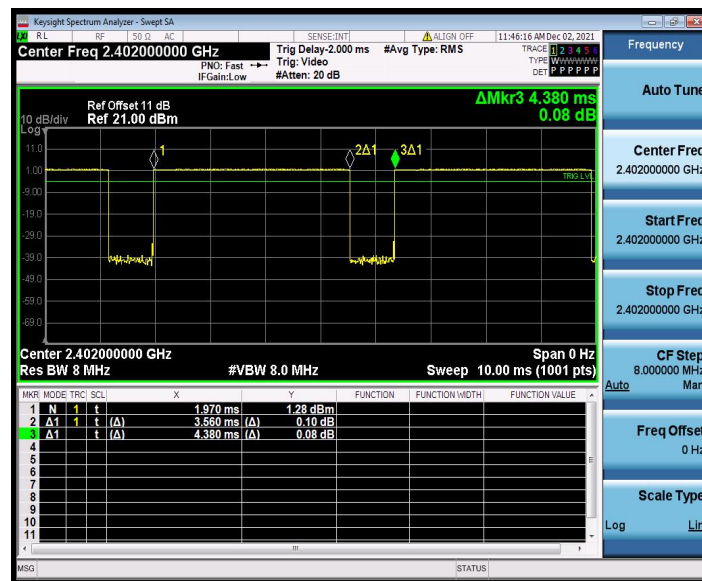


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## Test Report No.: W7L-P21100018-2RF02



BLE\_500K\_Ant1\_2402

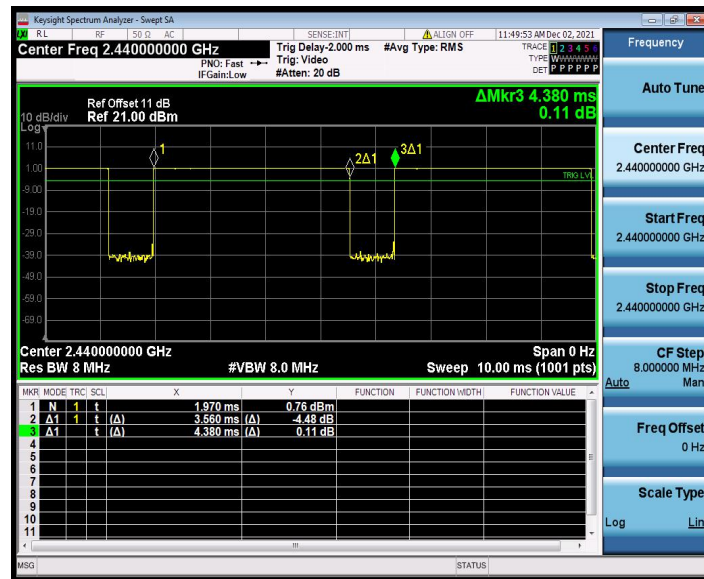


BLE\_500K\_Ant1\_2440

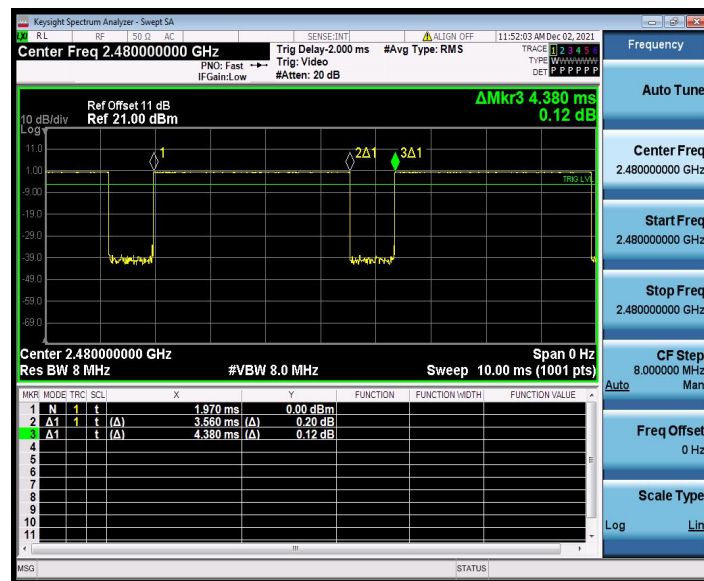


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## Test Report No.: W7L-P21100018-2RF02



BLE\_500K\_Ant1\_2480





**BUREAU VERITAS** Test Report No.: W7L-P21100018-2RF02

## 7 Appendix 2 WLAN 2.4G

### DTS BANDWIDTH

#### TEST RESULT

| TestMode  | Antenna | Channel | DTS BW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412    | 7.520           | 2408.480 | 2416.000 | 0.5        | PASS    |
|           |         | 2437    | 8.080           | 2432.960 | 2441.040 | 0.5        | PASS    |
|           |         | 2462    | 8.120           | 2457.960 | 2466.080 | 0.5        | PASS    |
| 11G       | Ant1    | 2412    | 16.040          | 2404.120 | 2420.160 | 0.5        | PASS    |
|           |         | 2437    | 15.400          | 2429.480 | 2444.880 | 0.5        | PASS    |
|           |         | 2462    | 15.680          | 2454.120 | 2469.800 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412    | 16.560          | 2403.800 | 2420.360 | 0.5        | PASS    |
|           |         | 2437    | 16.440          | 2428.640 | 2445.080 | 0.5        | PASS    |
|           |         | 2462    | 16.520          | 2453.800 | 2470.320 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2422    | 35.520          | 2404.480 | 2440.000 | 0.5        | PASS    |
|           |         | 2437    | 34.960          | 2419.480 | 2454.440 | 0.5        | PASS    |
|           |         | 2452    | 35.840          | 2434.000 | 2469.840 | 0.5        | PASS    |



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Test Report No.: W7L-P21100018-2RF02

## TEST GRAPHS

11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462



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## Test Report No.: W7L-P21100018-2RF02



11G\_Ant1\_2412



11G\_Ant1\_2437



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## Test Report No.: W7L-P21100018-2RF02



11G\_Ant1\_2462



11N20SISO\_Ant1\_2412



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## Test Report No.: W7L-P21100018-2RF02



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



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## Test Report No.: W7L-P21100018-2RF02



11N40SISO\_Ant1\_2422

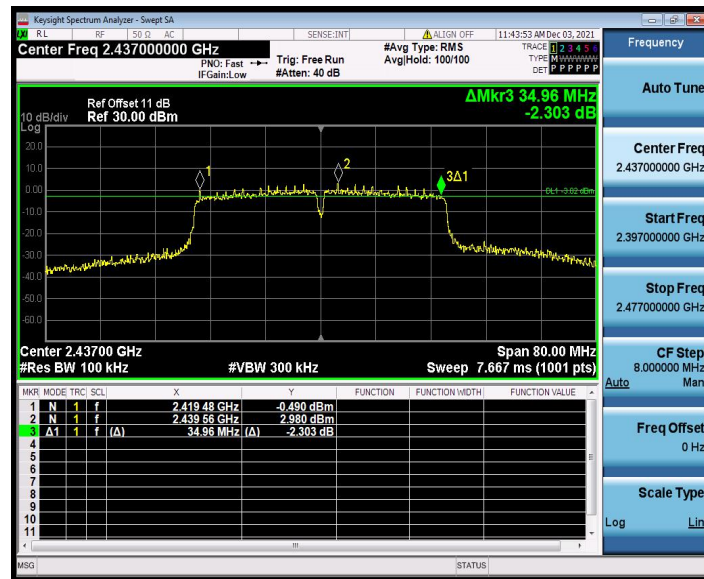


11N40SISO\_Ant1\_2437

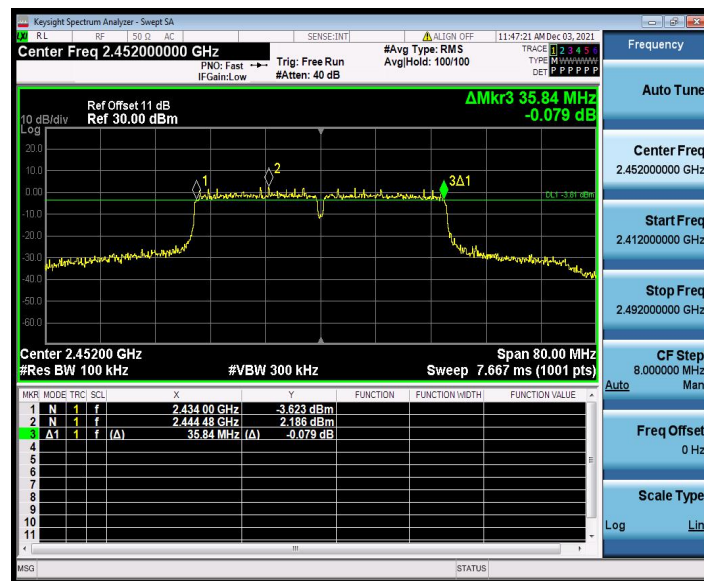


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## Test Report No.: W7L-P21100018-2RF02



11N40SISO\_Ant1\_2452



**OCCUPIED CHANNEL BANDWIDTH****TEST RESULT**

| TestMode  | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412    | 11.904    | 2406.094 | 2417.998 | ---        | PASS    |
|           |         | 2437    | 11.799    | 2431.149 | 2442.948 | ---        | PASS    |
|           |         | 2462    | 11.819    | 2456.153 | 2467.972 | ---        | PASS    |
| 11G       | Ant1    | 2412    | 16.814    | 2403.673 | 2420.487 | ---        | PASS    |
|           |         | 2437    | 16.986    | 2428.624 | 2445.610 | ---        | PASS    |
|           |         | 2462    | 16.865    | 2453.601 | 2470.466 | ---        | PASS    |
| 11N20SISO | Ant1    | 2412    | 17.651    | 2403.262 | 2420.913 | ---        | PASS    |
|           |         | 2437    | 17.653    | 2428.232 | 2445.885 | ---        | PASS    |
|           |         | 2462    | 17.685    | 2453.193 | 2470.878 | ---        | PASS    |
| 11N40SISO | Ant1    | 2422    | 36.414    | 2404.043 | 2440.457 | ---        | PASS    |
|           |         | 2437    | 36.128    | 2419.053 | 2455.181 | ---        | PASS    |
|           |         | 2452    | 36.328    | 2433.809 | 2470.137 | ---        | PASS    |

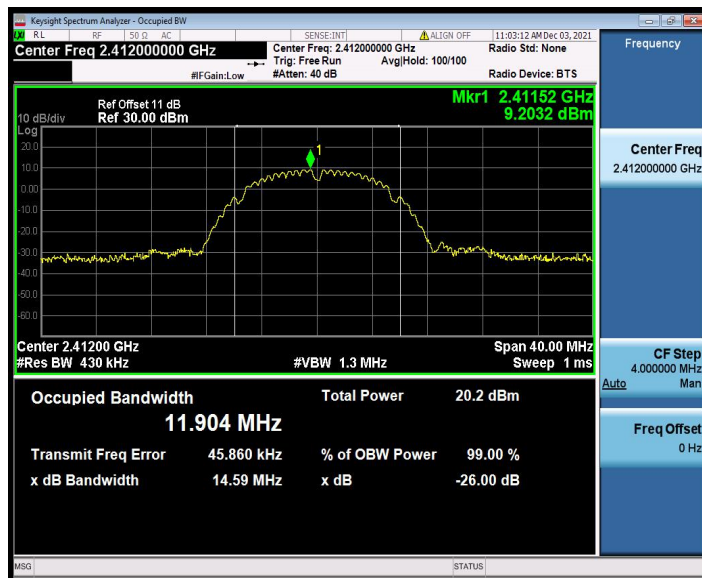


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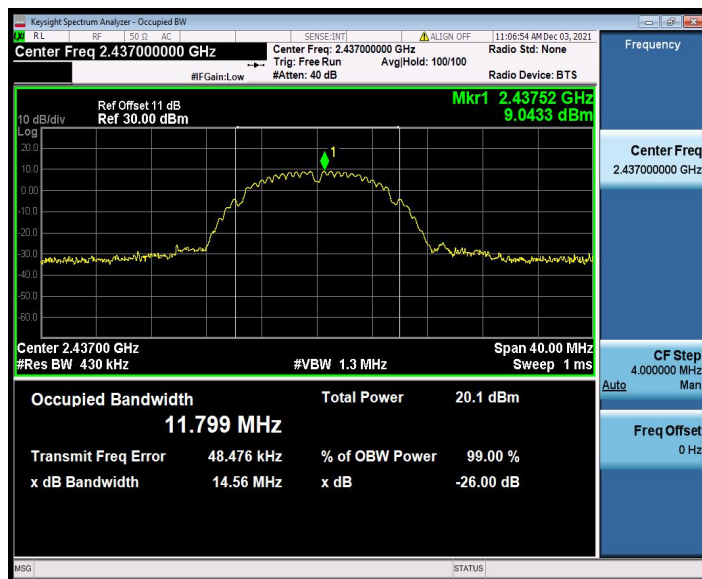
Test Report No.: W7L-P21100018-2RF02

## TEST GRAPHS

11B\_Ant1\_2412



11B\_Ant1\_2437

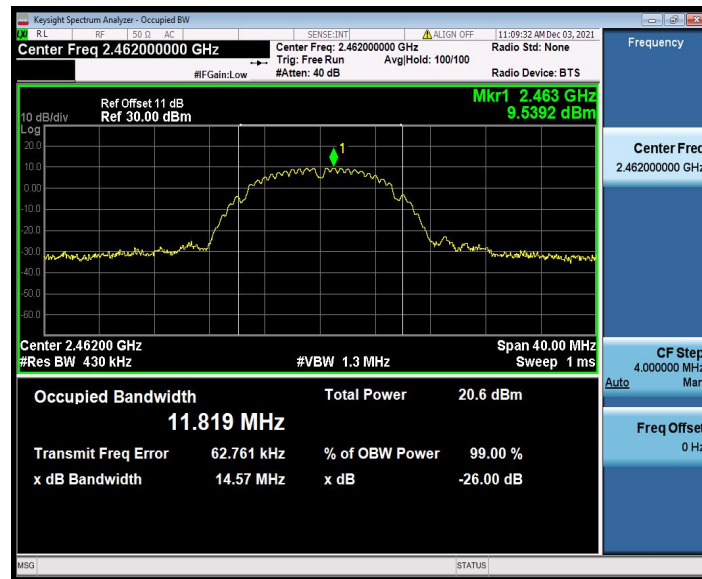


11B\_Ant1\_2462

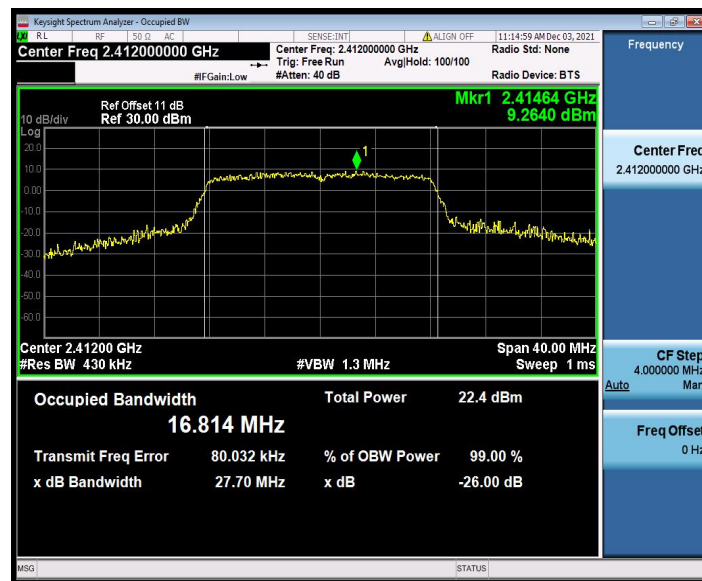


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## Test Report No.: W7L-P21100018-2RF02



11G\_Ant1\_2412

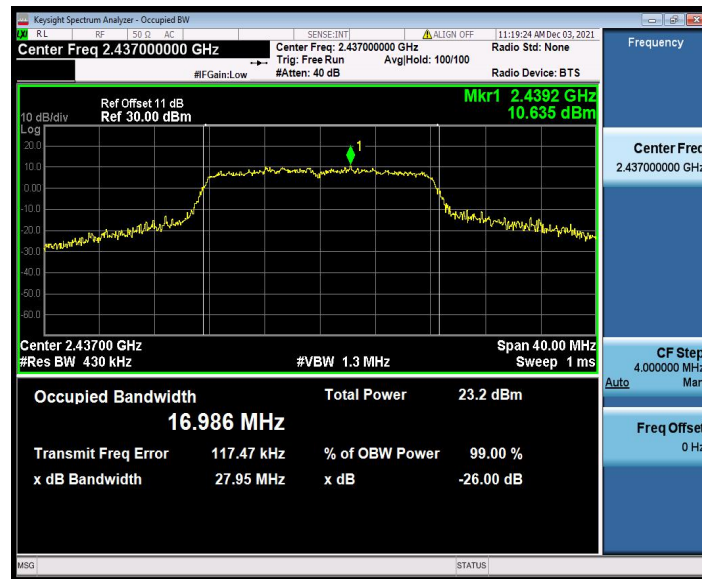


11G\_Ant1\_2437

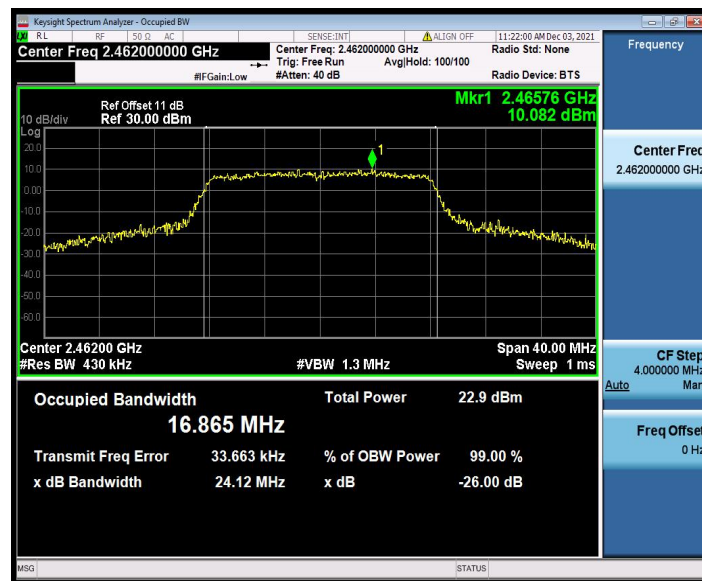


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Test Report No.: W7L-P21100018-2RF02



11G\_Ant1\_2462

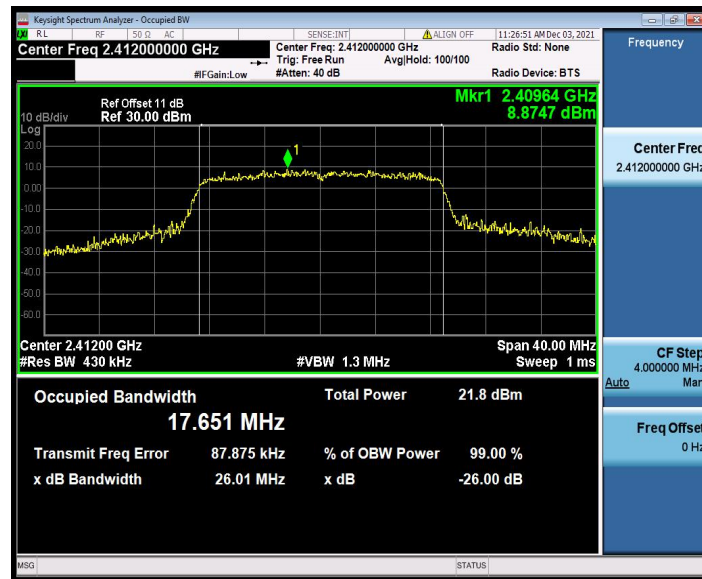


11N20SISO\_Ant1\_2412

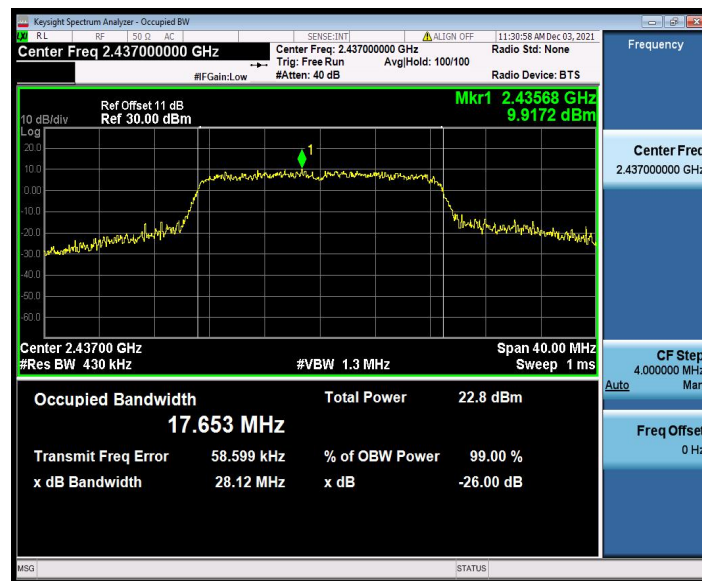


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Test Report No.: W7L-P21100018-2RF02



11N20SISO\_Ant1\_2437

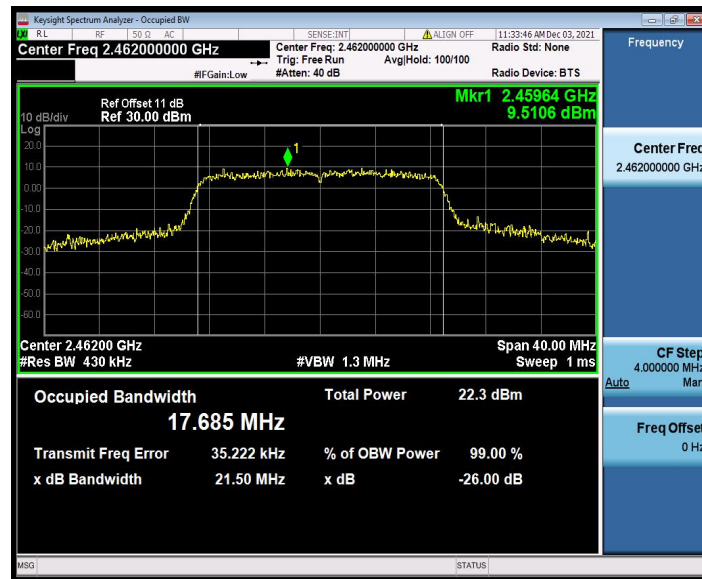


11N20SISO\_Ant1\_2462

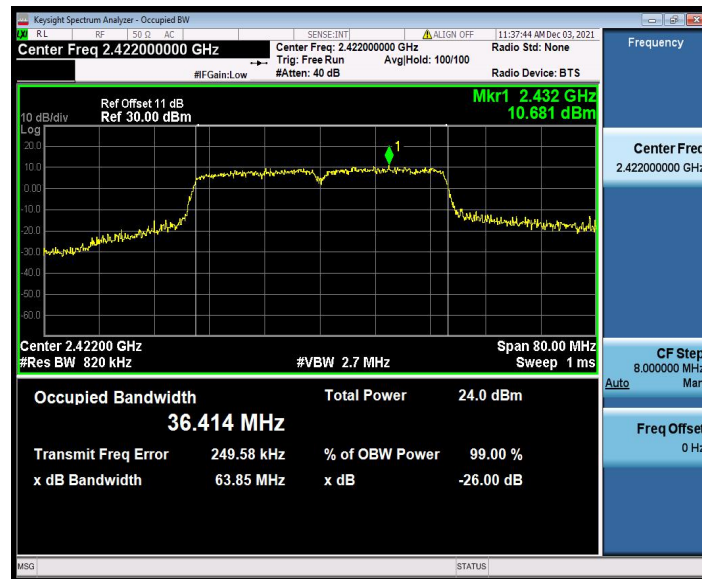


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Test Report No.: W7L-P21100018-2RF02



11N40SISO\_Ant1\_2422



11N40SISO\_Ant1\_2437

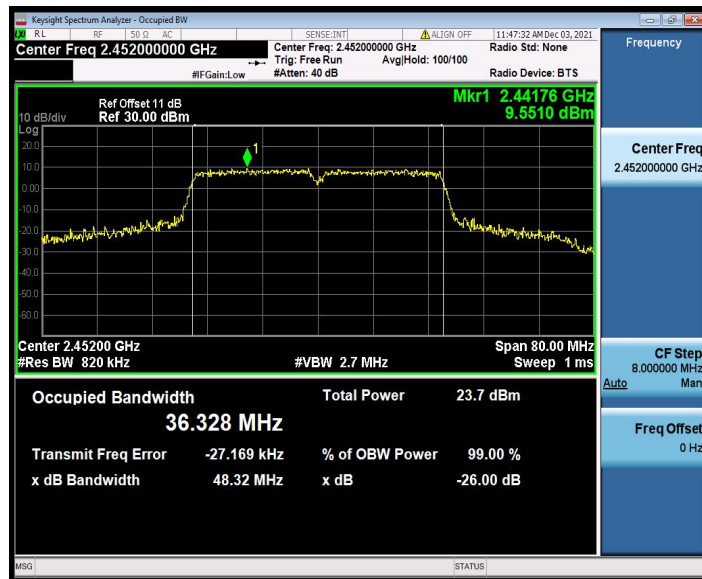


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## Test Report No.: W7L-P21100018-2RF02



11N40SISO\_Ant1\_2452





## MAXIMUM CONDUCTED OUTPUT POWER

### PEAK POWER TEST RESULT

| TestMode  | Antenna | Channel | Result[dBm] | Result[mW] | Limit[dBm] | Verdict | Power setting |
|-----------|---------|---------|-------------|------------|------------|---------|---------------|
| 11B       | Ant1    | 2412    | 21.33       | 135.83     | ≤30        | PASS    | 15            |
|           |         | 2437    | 21.03       | 126.77     | ≤30        | PASS    | 16            |
|           |         | 2462    | 21.30       | 134.90     | ≤30        | PASS    | 17            |
| 11G       | Ant1    | 2412    | 22.54       | 179.47     | ≤30        | PASS    | 14            |
|           |         | 2437    | 22.32       | 170.61     | ≤30        | PASS    | 14            |
|           |         | 2462    | 22.67       | 184.93     | ≤30        | PASS    | 15            |
| 11N20SISO | Ant1    | 2412    | 21.92       | 155.60     | ≤30        | PASS    | 13            |
|           |         | 2437    | 21.48       | 140.60     | ≤30        | PASS    | 13            |
|           |         | 2462    | 21.24       | 133.05     | ≤30        | PASS    | 13            |
| 11N40SISO | Ant1    | 2422    | 21.57       | 143.55     | ≤30        | PASS    | 12            |
|           |         | 2437    | 21.52       | 141.91     | ≤30        | PASS    | 13            |
|           |         | 2452    | 21.29       | 134.59     | ≤30        | PASS    | 13            |

### AVERAGE POWER TEST RESULT

| TestMode  | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict | Power setting |
|-----------|---------|---------|-------------|------------|---------|---------------|
| 11B       | Ant1    | 2412    | 18.12       | /          | PASS    | 15            |
|           |         | 2437    | 17.78       | /          | PASS    | 16            |
|           |         | 2462    | 18.10       | /          | PASS    | 17            |
| 11G       | Ant1    | 2412    | 15.12       | /          | PASS    | 14            |
|           |         | 2437    | 14.64       | /          | PASS    | 14            |
|           |         | 2462    | 15.16       | /          | PASS    | 15            |
| 11N20SISO | Ant1    | 2412    | 14.26       | /          | PASS    | 13            |
|           |         | 2437    | 13.92       | /          | PASS    | 13            |
|           |         | 2462    | 13.42       | /          | PASS    | 13            |
| 11N40SISO | Ant1    | 2422    | 13.84       | /          | PASS    | 12            |
|           |         | 2437    | 13.68       | /          | PASS    | 13            |
|           |         | 2452    | 13.54       | /          | PASS    | 13            |

**MAXIMUM POWER SPECTRAL DENSITY****TEST RESULT**

| TestMode  | Antenna | Channel | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|------------------|-----------------|---------|
| 11B       | Ant1    | 2412    | -3.85            | ≤8              | PASS    |
|           |         | 2437    | -4.31            | ≤8              | PASS    |
|           |         | 2462    | -4.64            | ≤8              | PASS    |
| 11G       | Ant1    | 2412    | -9.17            | ≤8              | PASS    |
|           |         | 2437    | -8.31            | ≤8              | PASS    |
|           |         | 2462    | -9.17            | ≤8              | PASS    |
| 11N20SISO | Ant1    | 2412    | -9.33            | ≤8              | PASS    |
|           |         | 2437    | -8.84            | ≤8              | PASS    |
|           |         | 2462    | -9.15            | ≤8              | PASS    |
| 11N40SISO | Ant1    | 2422    | -10.4            | ≤8              | PASS    |
|           |         | 2437    | -11.85           | ≤8              | PASS    |
|           |         | 2452    | -12.06           | ≤8              | PASS    |



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Test Report No.: W7L-P21100018-2RF02

## TEST GRAPHS

11B\_Ant1\_2412



11B\_Ant1\_2437



11B\_Ant1\_2462

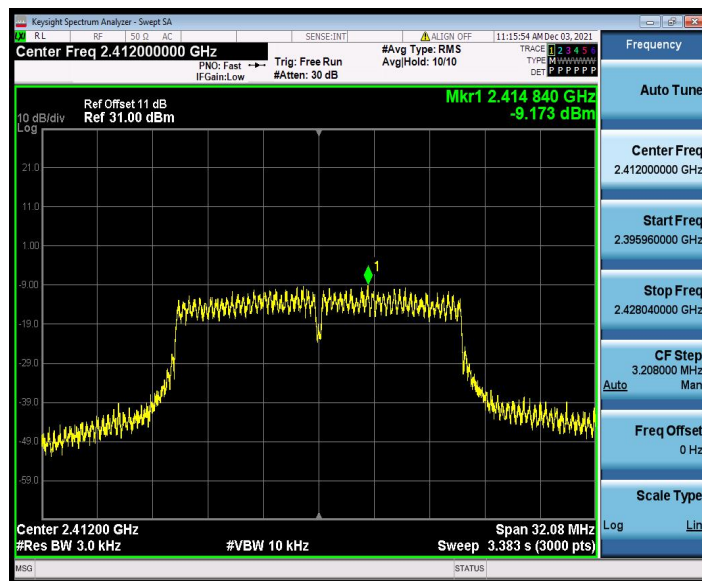


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Test Report No.: W7L-P21100018-2RF02



11G\_Ant1\_2412

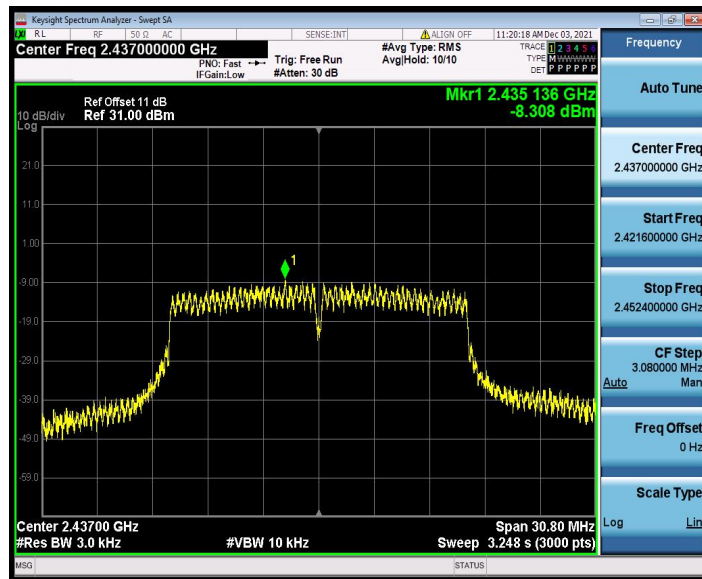


11G\_Ant1\_2437

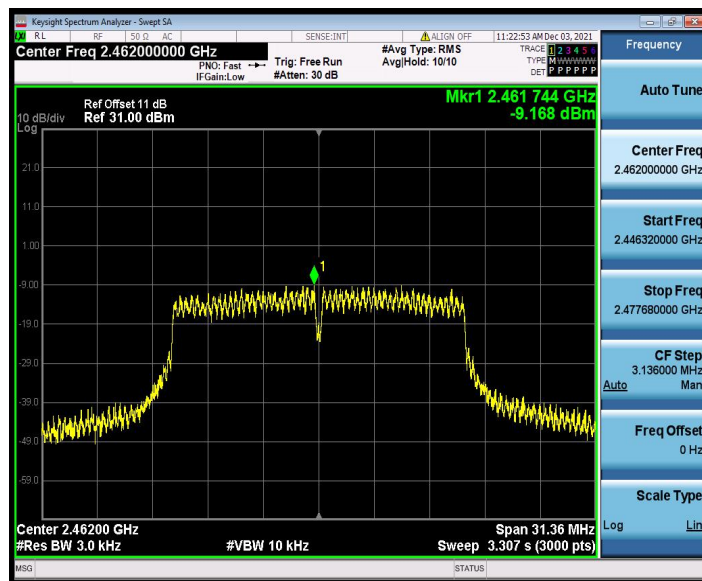


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Test Report No.: W7L-P21100018-2RF02



11G\_Ant1\_2462



11N20SISO\_Ant1\_2412