



## Appendix A: DTS Bandwidth

### Ant 1

#### Test Result

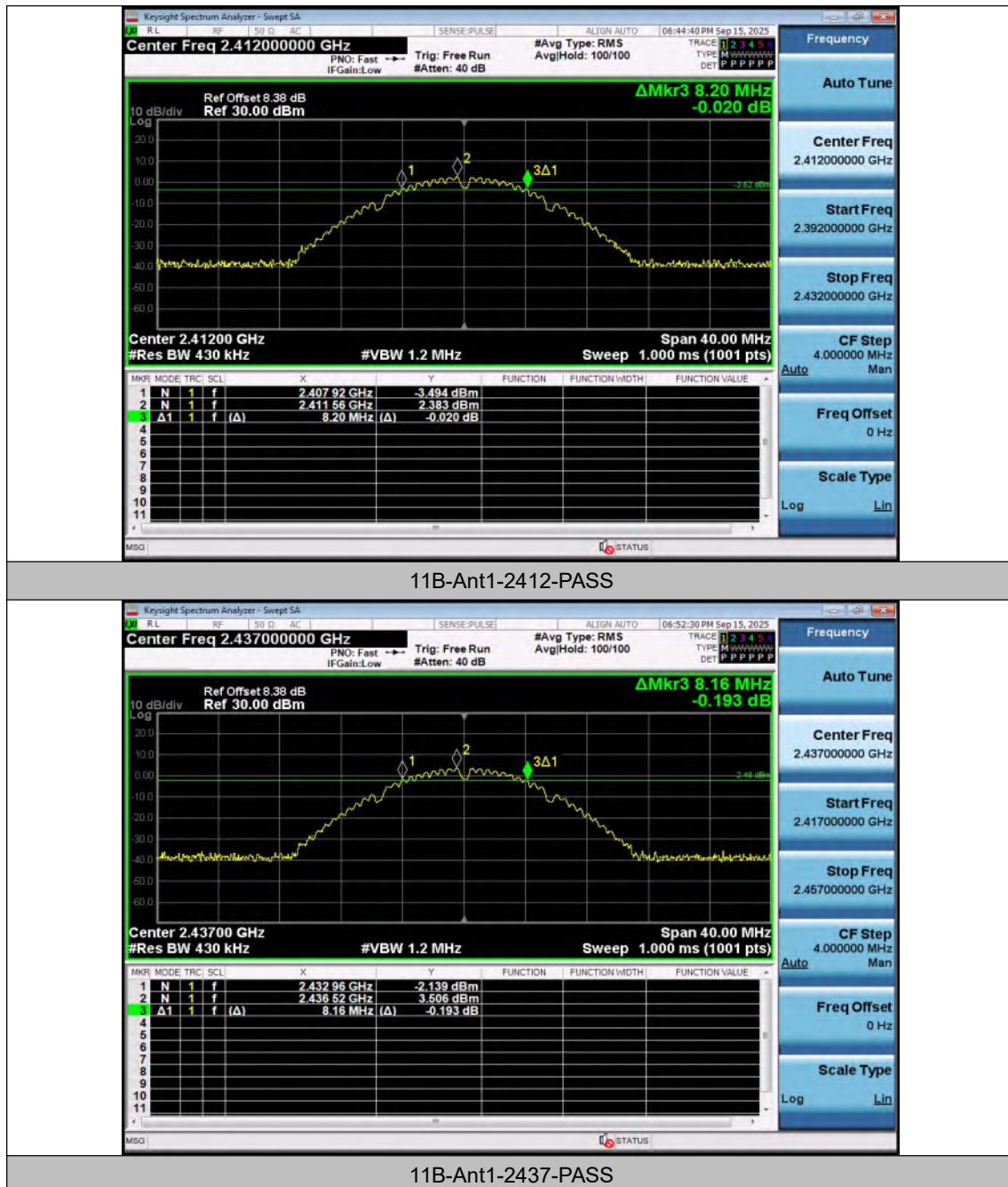
| Test Mode  | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B        | Ant1    | 2412           | 8.200        | 2407.920 | 2416.120 | 0.5        | PASS    |
| 11B        | Ant1    | 2437           | 8.160        | 2432.960 | 2441.120 | 0.5        | PASS    |
| 11B        | Ant1    | 2462           | 8.160        | 2457.920 | 2466.080 | 0.5        | PASS    |
| 11G        | Ant1    | 2412           | 15.400       | 2404.240 | 2419.640 | 0.5        | PASS    |
| 11G        | Ant1    | 2437           | 15.520       | 2429.160 | 2444.680 | 0.5        | PASS    |
| 11G        | Ant1    | 2462           | 14.760       | 2454.160 | 2468.920 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 2412           | 17.120       | 2403.320 | 2420.440 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 2437           | 16.480       | 2428.800 | 2445.280 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 2462           | 17.040       | 2453.400 | 2470.440 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 2422           | 35.760       | 2404.160 | 2439.920 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 2437           | 34.880       | 2419.400 | 2454.280 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 2452           | 35.200       | 2434.240 | 2469.440 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 2412           | 18.680       | 2402.800 | 2421.480 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 2437           | 18.400       | 2428.040 | 2446.440 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 2462           | 16.680       | 2453.760 | 2470.440 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 2422           | 37.760       | 2403.200 | 2440.960 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 2437           | 37.360       | 2418.440 | 2455.800 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 2452           | 36.240       | 2433.280 | 2469.520 | 0.5        | PASS    |
| 11BE20SISO | Ant1    | 2412           | 15.400       | 2403.040 | 2418.440 | 0.5        | PASS    |
| 11BE20SISO | Ant1    | 2437           | 18.000       | 2428.360 | 2446.360 | 0.5        | PASS    |
| 11BE20SISO | Ant1    | 2462           | 18.400       | 2452.600 | 2471.000 | 0.5        | PASS    |
| 11BE40SISO | Ant1    | 2422           | 34.800       | 2403.440 | 2438.240 | 0.5        | PASS    |
| 11BE40SISO | Ant1    | 2437           | 32.400       | 2421.880 | 2454.280 | 0.5        | PASS    |
| 11BE40SISO | Ant1    | 2452           | 35.120       | 2433.440 | 2468.560 | 0.5        | PASS    |



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## Test Graphs





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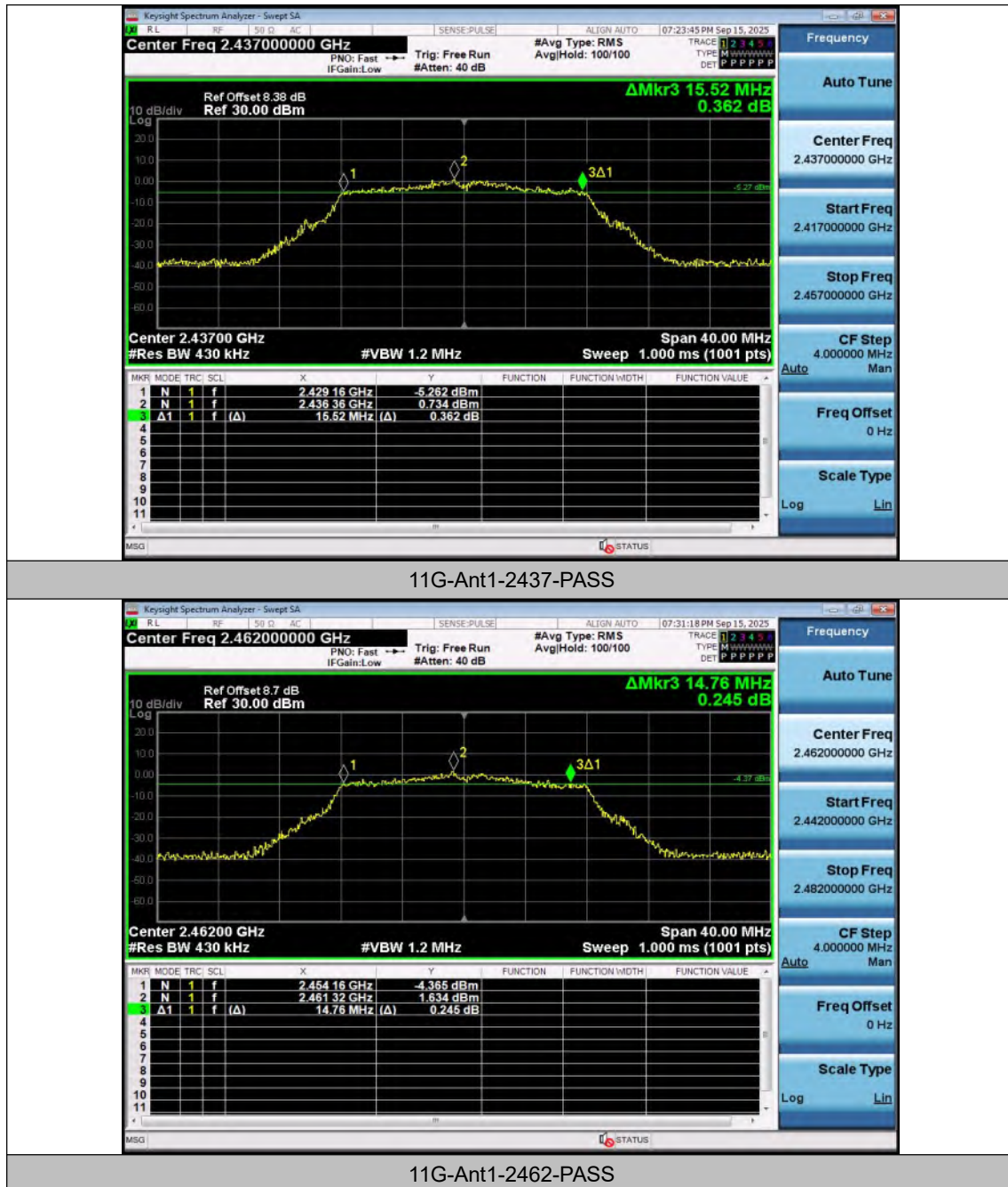




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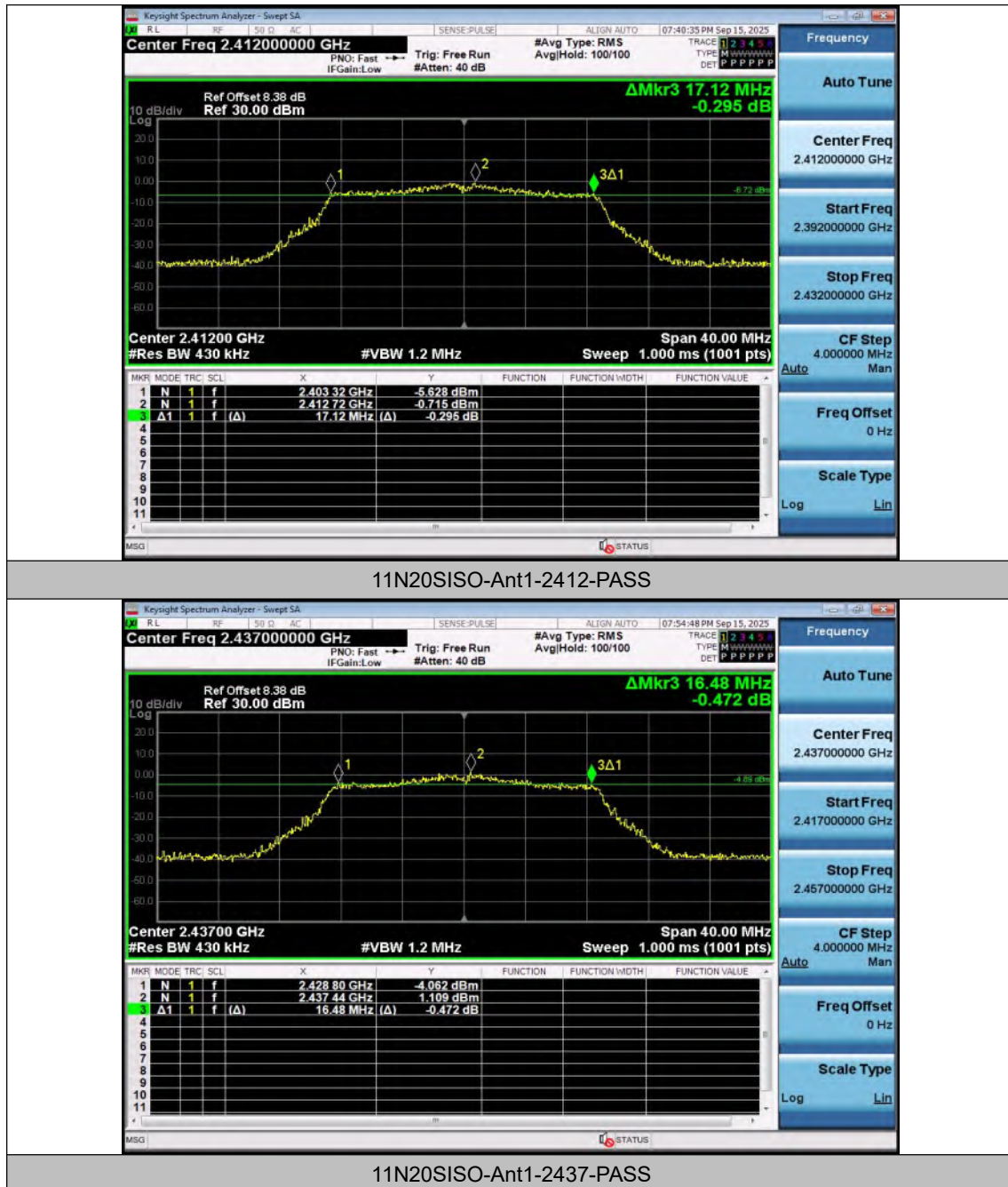
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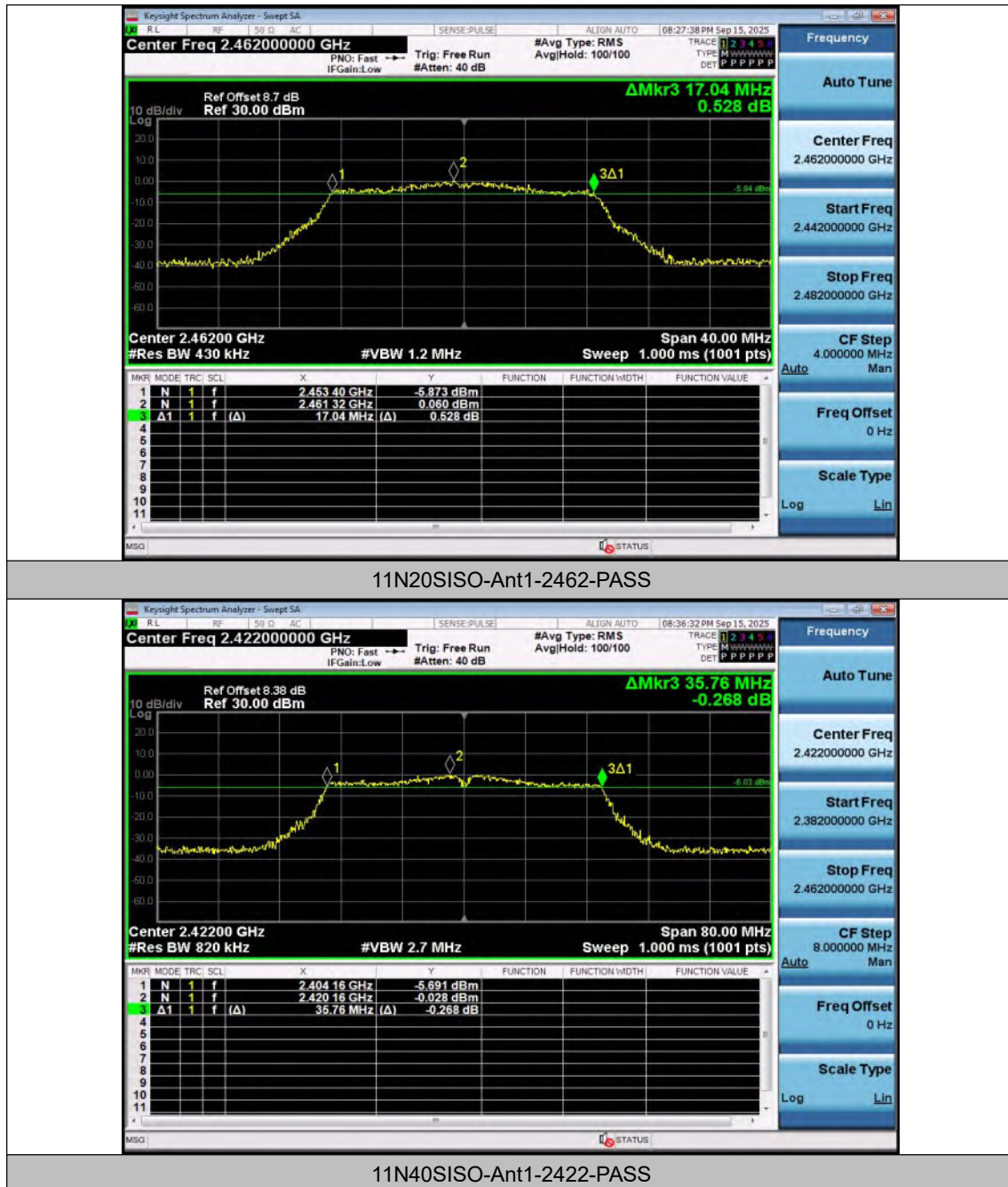




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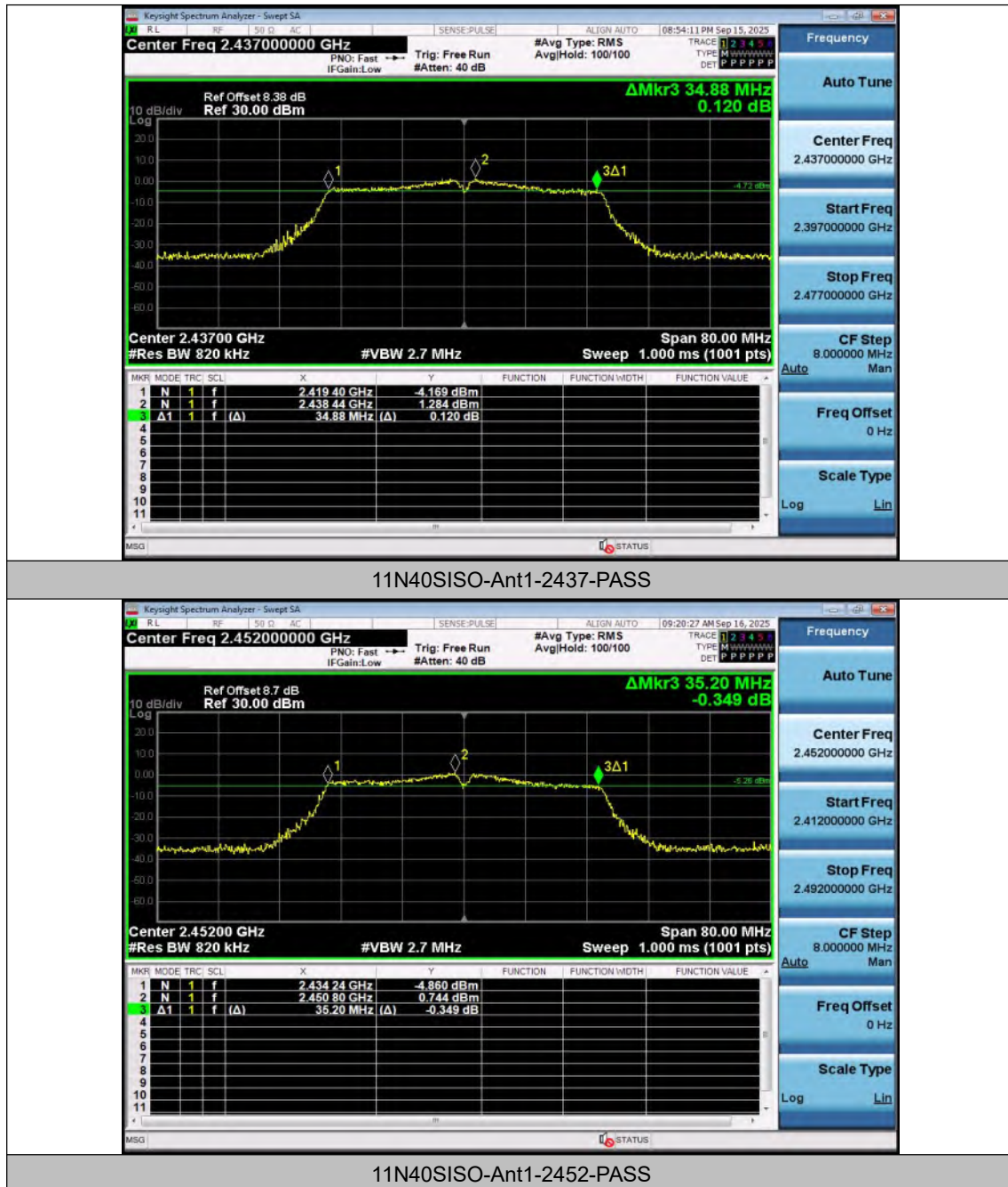




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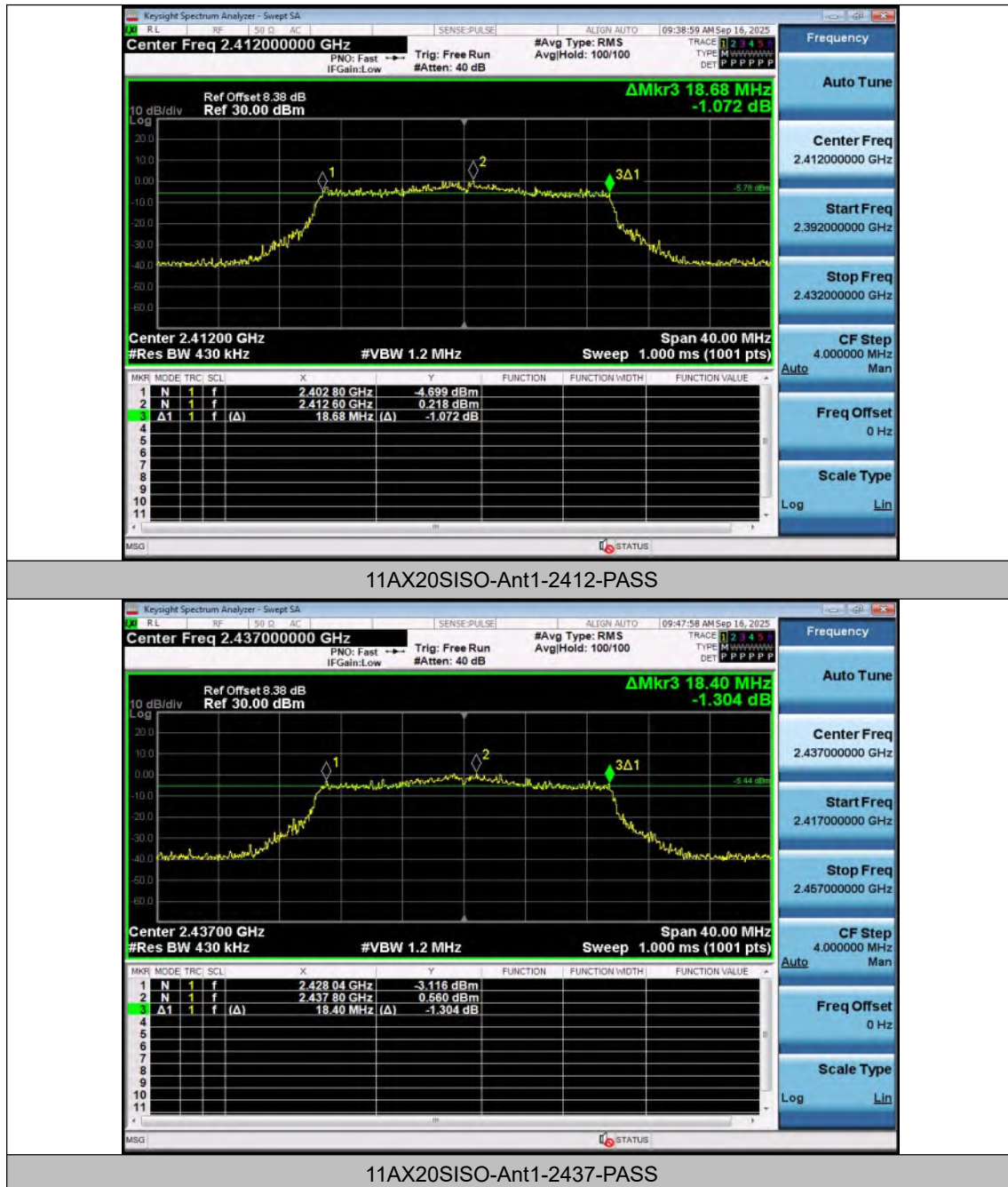




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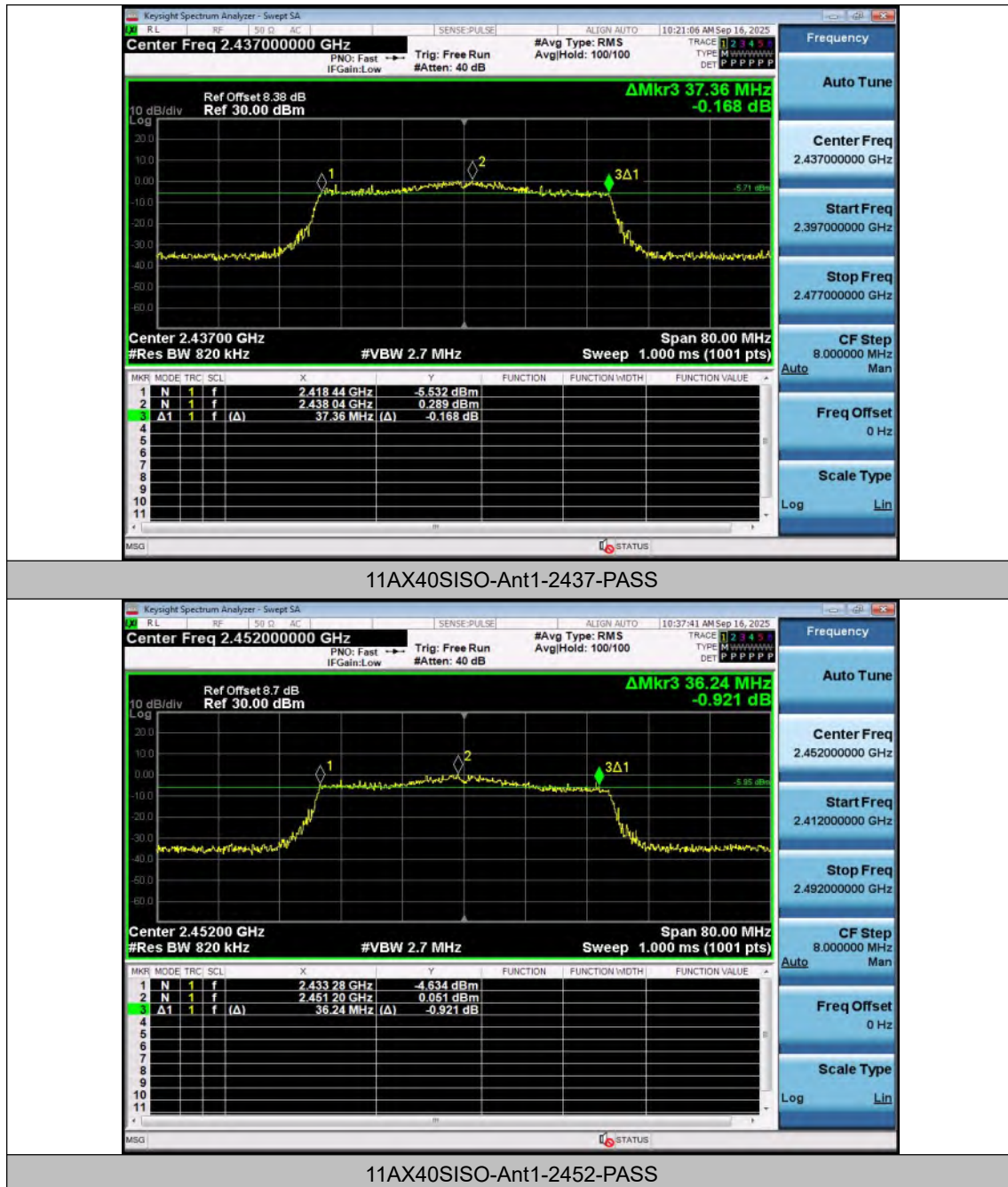




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11BE40SISO-Ant1-2437-PASS



11BE40SISO-Ant1-2452-PASS



## Ant 2

### Test Result

| TestMode   | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B        | Ant2    | 2412           | 8.200        | 2407.920 | 2416.120 | 0.5        | PASS    |
| 11B        | Ant2    | 2437           | 8.160        | 2432.960 | 2441.120 | 0.5        | PASS    |
| 11B        | Ant2    | 2462           | 8.200        | 2457.920 | 2466.120 | 0.5        | PASS    |
| 11G        | Ant2    | 2412           | 15.400       | 2404.240 | 2419.640 | 0.5        | PASS    |
| 11G        | Ant2    | 2437           | 15.840       | 2429.240 | 2445.080 | 0.5        | PASS    |
| 11G        | Ant2    | 2462           | 15.760       | 2454.160 | 2469.920 | 0.5        | PASS    |
| 11N20SISO  | Ant2    | 2412           | 16.840       | 2403.520 | 2420.360 | 0.5        | PASS    |
| 11N20SISO  | Ant2    | 2437           | 15.960       | 2428.800 | 2444.760 | 0.5        | PASS    |
| 11N20SISO  | Ant2    | 2462           | 16.560       | 2453.440 | 2470.000 | 0.5        | PASS    |
| 11N40SISO  | Ant2    | 2422           | 35.280       | 2404.320 | 2439.600 | 0.5        | PASS    |
| 11N40SISO  | Ant2    | 2437           | 35.520       | 2419.320 | 2454.840 | 0.5        | PASS    |
| 11N40SISO  | Ant2    | 2452           | 35.200       | 2434.160 | 2469.360 | 0.5        | PASS    |
| 11AX20SISO | Ant2    | 2412           | 17.360       | 2402.640 | 2420.000 | 0.5        | PASS    |
| 11AX20SISO | Ant2    | 2437           | 17.640       | 2427.760 | 2445.400 | 0.5        | PASS    |
| 11AX20SISO | Ant2    | 2462           | 16.240       | 2452.720 | 2468.960 | 0.5        | PASS    |
| 11AX40SISO | Ant2    | 2422           | 37.040       | 2403.360 | 2440.400 | 0.5        | PASS    |
| 11AX40SISO | Ant2    | 2437           | 37.440       | 2418.280 | 2455.720 | 0.5        | PASS    |
| 11AX40SISO | Ant2    | 2452           | 37.040       | 2433.520 | 2470.560 | 0.5        | PASS    |
| 11BE20SISO | Ant2    | 2412           | 18.200       | 2403.000 | 2421.200 | 0.5        | PASS    |
| 11BE20SISO | Ant2    | 2437           | 16.960       | 2428.480 | 2445.440 | 0.5        | PASS    |
| 11BE20SISO | Ant2    | 2462           | 18.400       | 2452.720 | 2471.120 | 0.5        | PASS    |
| 11BE40SISO | Ant2    | 2422           | 35.040       | 2403.680 | 2438.720 | 0.5        | PASS    |
| 11BE40SISO | Ant2    | 2437           | 37.040       | 2418.280 | 2455.320 | 0.5        | PASS    |
| 11BE40SISO | Ant2    | 2452           | 36.800       | 2433.360 | 2470.160 | 0.5        | PASS    |



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## Test Graphs





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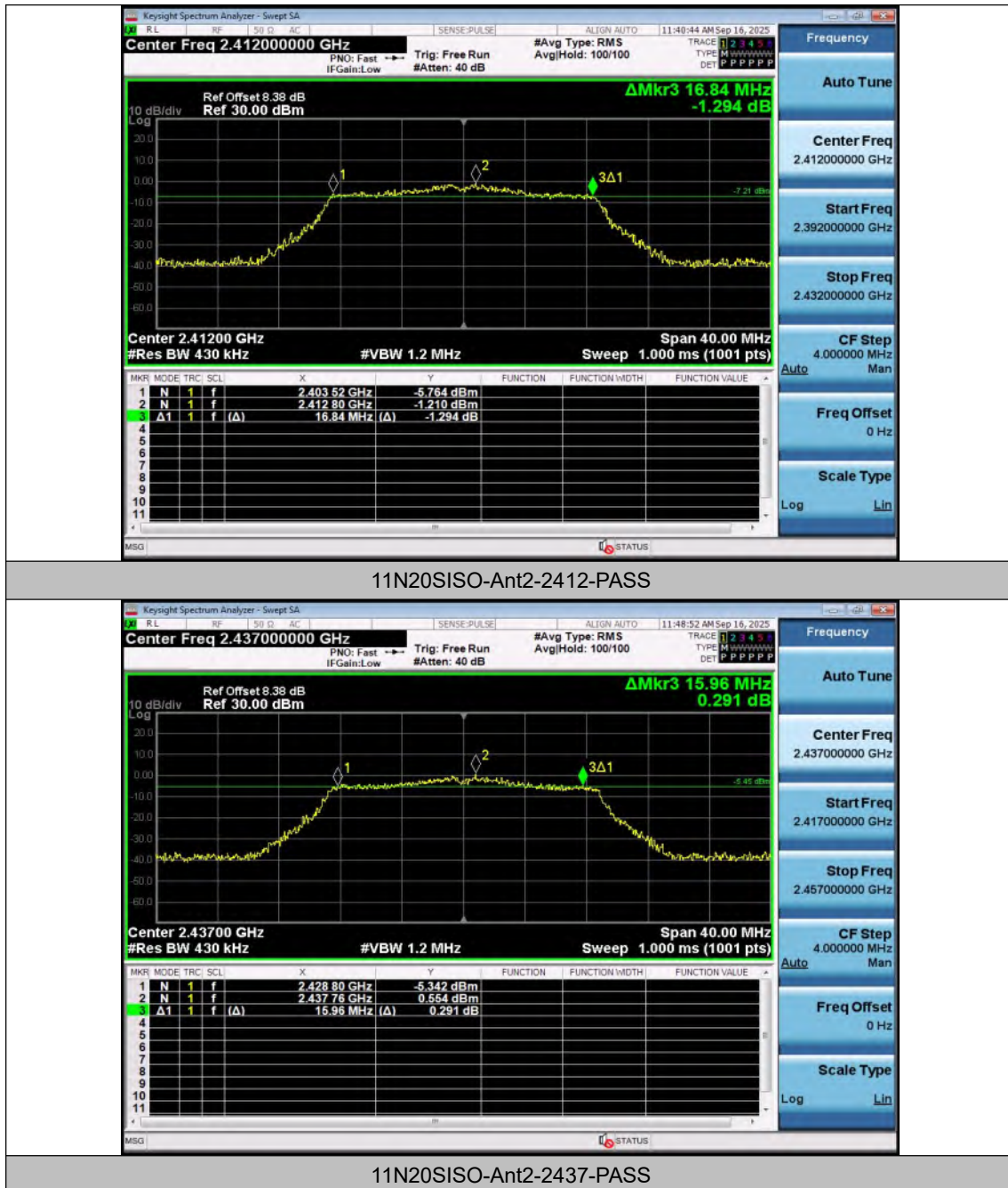




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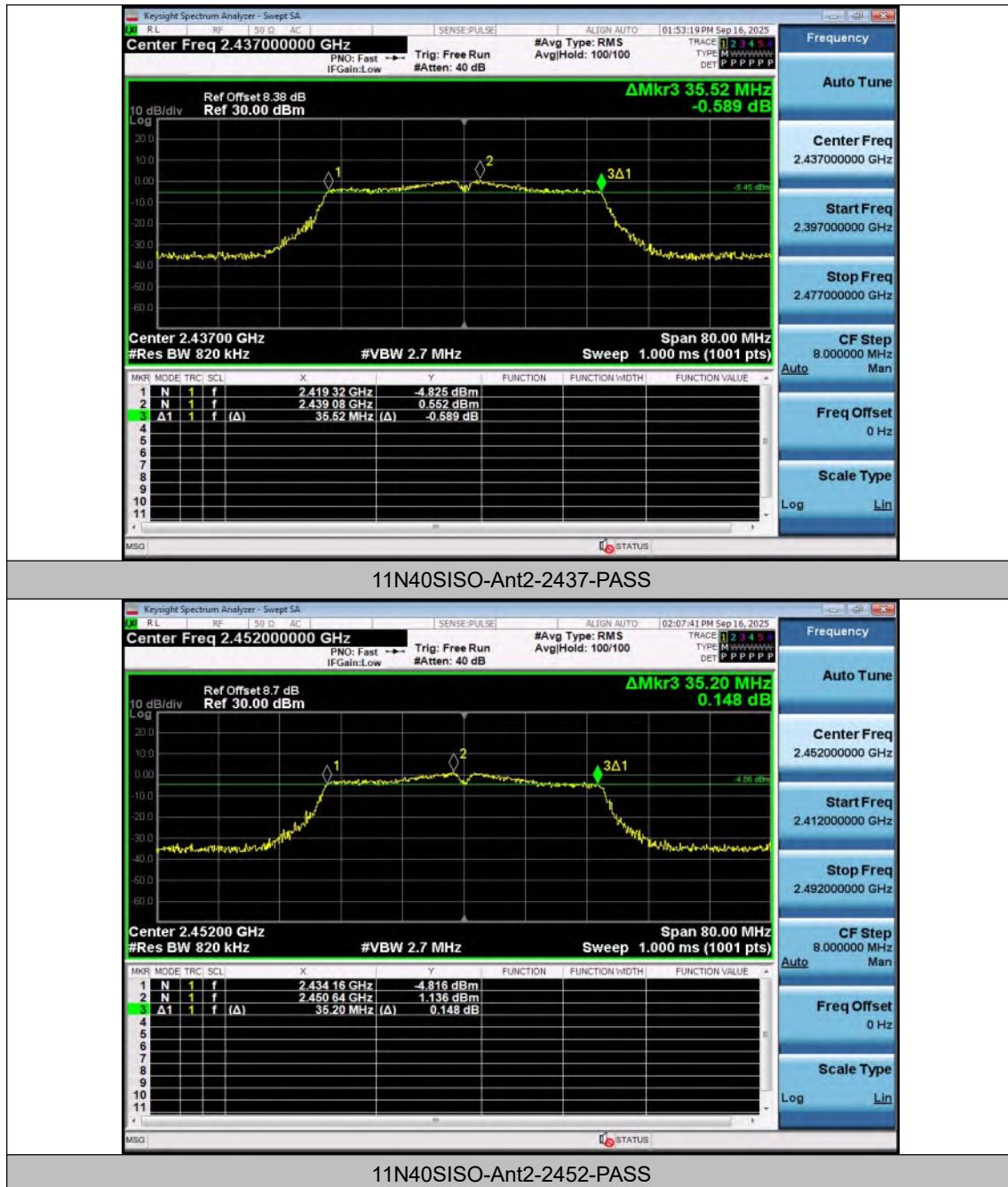




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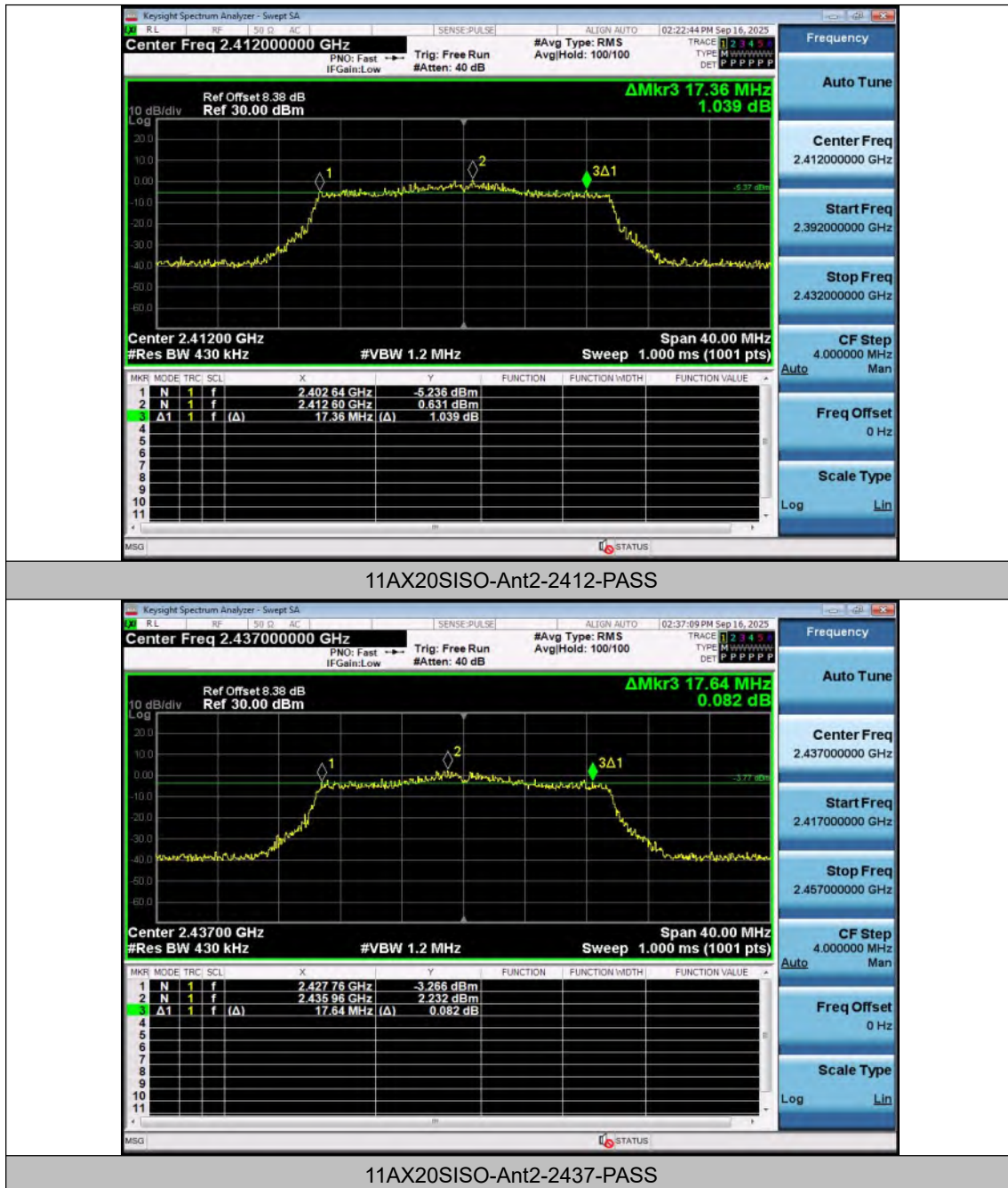




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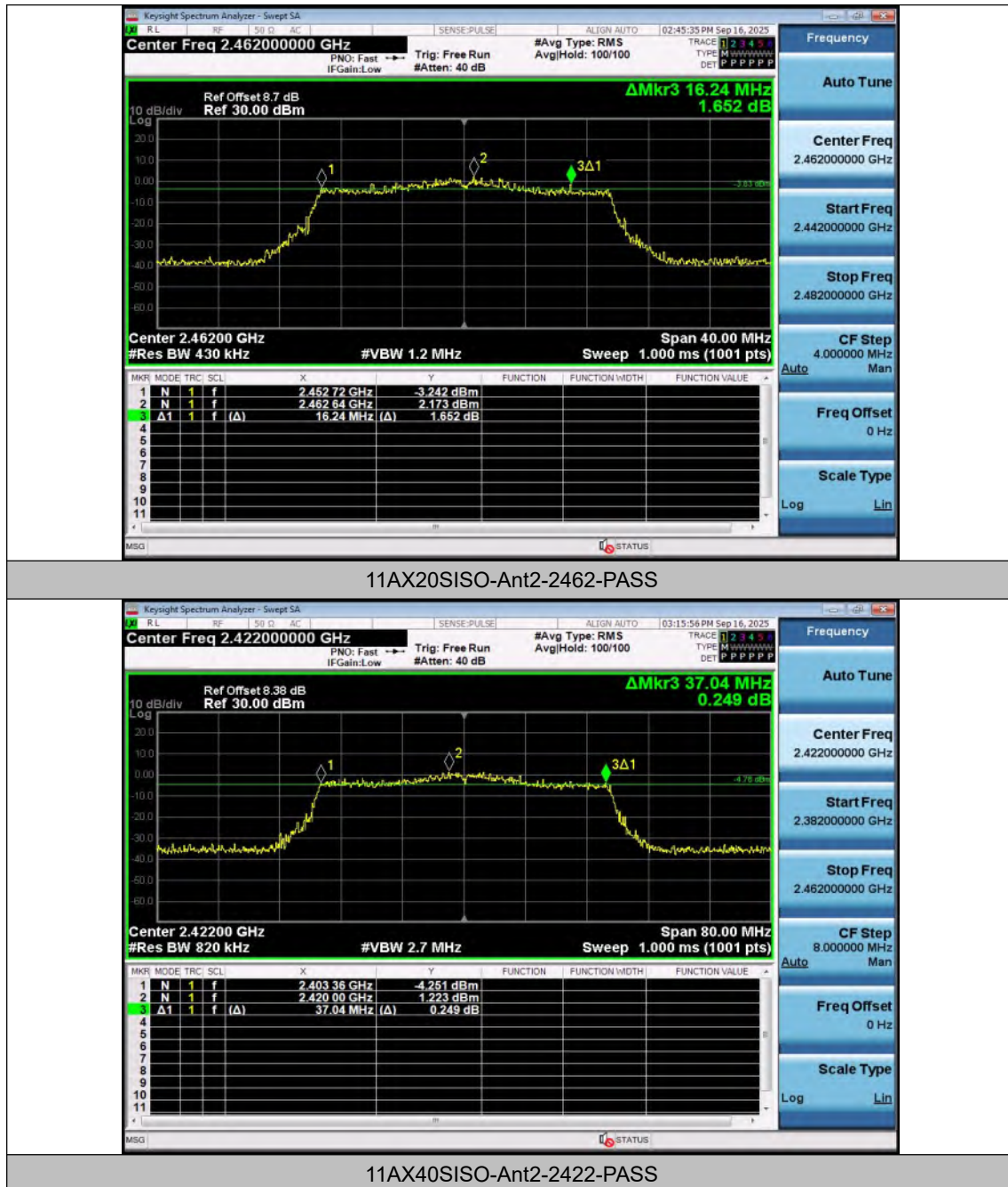




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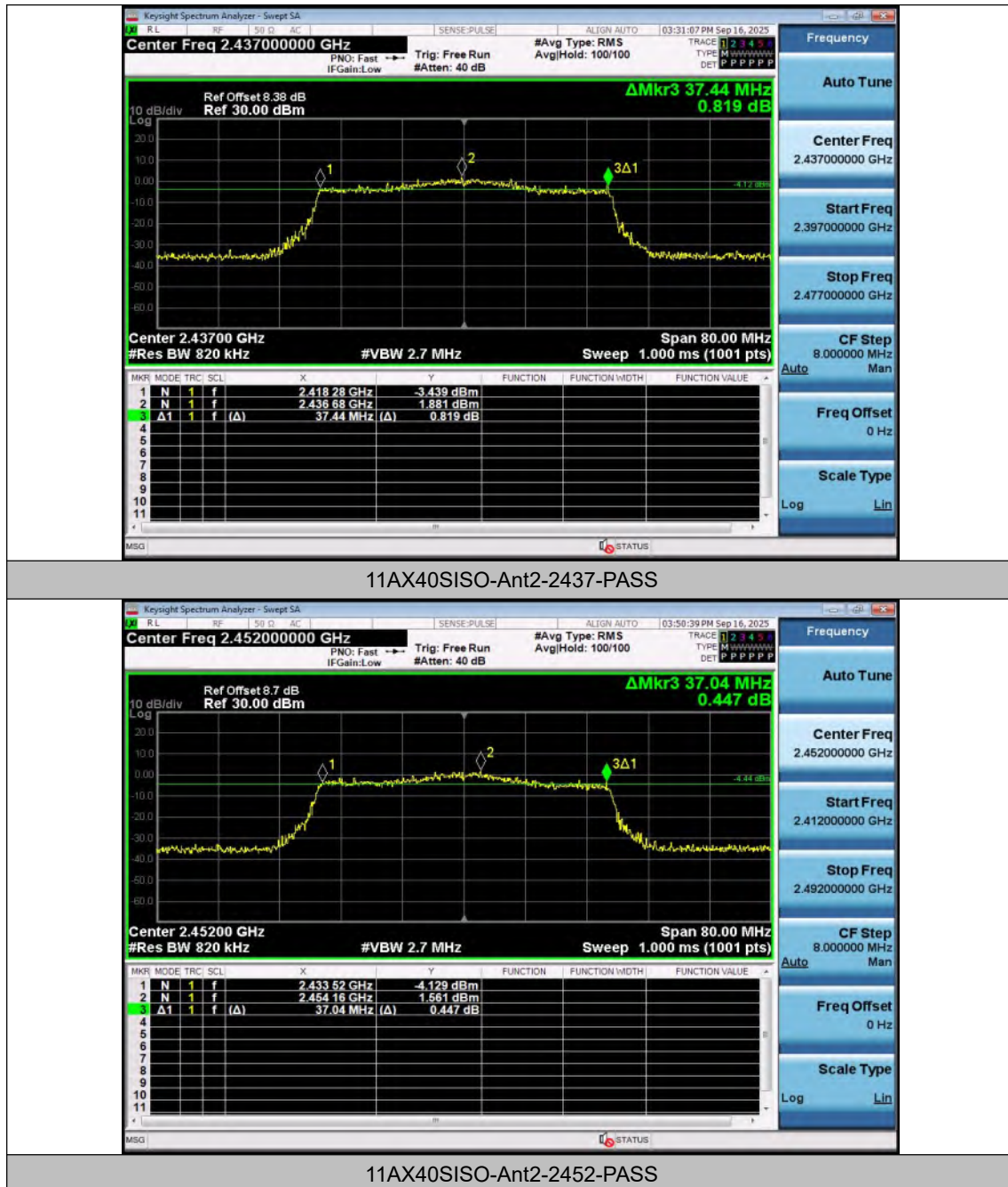




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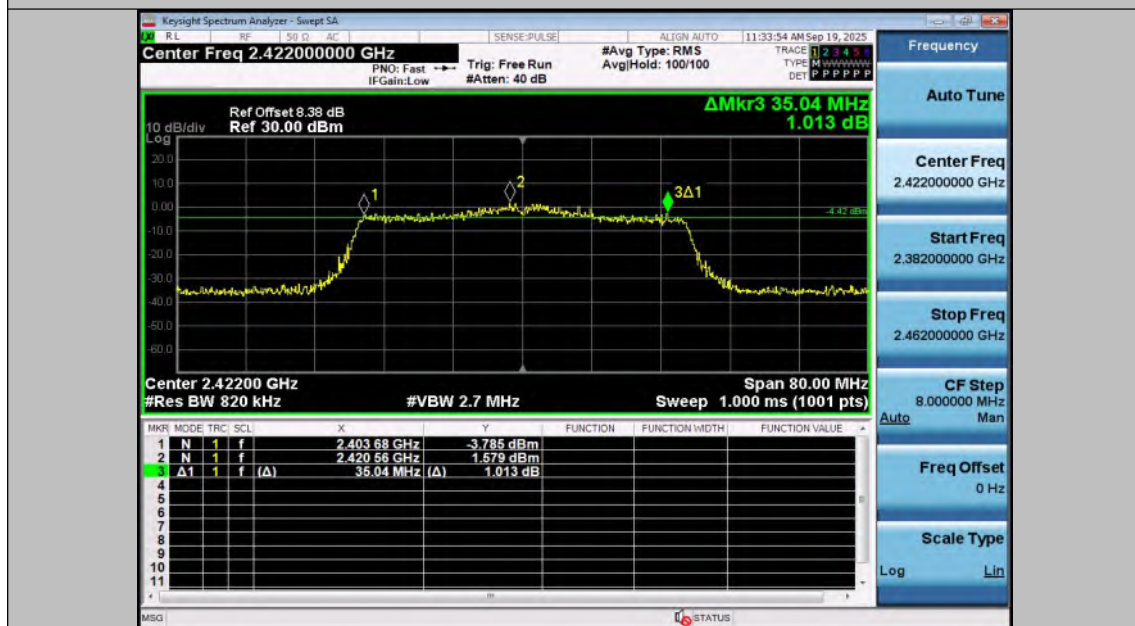
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11BE20SISO-Ant2-2462-PASS



11BE40SISO-Ant2-2422-PASS



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## Appendix B: Maximum conducted output power

### Ant 1

#### Test Result

| Test Mode  | Antenna | Frequency[MHz] | Output power PK (dBm) | Limit [dBm] | Result |
|------------|---------|----------------|-----------------------|-------------|--------|
| 11B        | Ant1    | 2412           | 12.52                 | ≤30.00      | PASS   |
| 11B        | Ant1    | 2437           | 13.50                 | ≤30.00      | PASS   |
| 11B        | Ant1    | 2462           | 13.92                 | ≤30.00      | PASS   |
| 11G        | Ant1    | 2412           | 12.38                 | ≤30.00      | PASS   |
| 11G        | Ant1    | 2437           | 13.42                 | ≤30.00      | PASS   |
| 11G        | Ant1    | 2462           | 13.51                 | ≤30.00      | PASS   |
| 11N20SISO  | Ant1    | 2412           | 12.47                 | ≤30.00      | PASS   |
| 11N20SISO  | Ant1    | 2437           | 13.25                 | ≤30.00      | PASS   |
| 11N20SISO  | Ant1    | 2462           | 13.70                 | ≤30.00      | PASS   |
| 11N40SISO  | Ant1    | 2422           | 13.28                 | ≤30.00      | PASS   |
| 11N40SISO  | Ant1    | 2437           | 13.80                 | ≤30.00      | PASS   |
| 11N40SISO  | Ant1    | 2452           | 13.65                 | ≤30.00      | PASS   |
| 11AX20SISO | Ant1    | 2412           | 12.46                 | ≤30.00      | PASS   |
| 11AX20SISO | Ant1    | 2437           | 13.16                 | ≤30.00      | PASS   |
| 11AX20SISO | Ant1    | 2462           | 13.44                 | ≤30.00      | PASS   |
| 11AX40SISO | Ant1    | 2422           | 12.20                 | ≤30.00      | PASS   |
| 11AX40SISO | Ant1    | 2437           | 12.72                 | ≤30.00      | PASS   |
| 11AX40SISO | Ant1    | 2452           | 13.22                 | ≤30.00      | PASS   |
| 11BE20SISO | Ant1    | 2412           | 12.46                 | ≤30.00      | PASS   |
| 11BE20SISO | Ant1    | 2437           | 13.76                 | ≤30.00      | PASS   |
| 11BE20SISO | Ant1    | 2462           | 13.35                 | ≤30.00      | PASS   |
| 11BE40SISO | Ant1    | 2422           | 12.61                 | ≤30.00      | PASS   |
| 11BE40SISO | Ant1    | 2437           | 12.87                 | ≤30.00      | PASS   |
| 11BE40SISO | Ant1    | 2452           | 13.34                 | ≤30.00      | PASS   |



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## Ant 2

### Test Result

| Test Mode  | Antenna | Frequency[MHz] | Output power PK (dBm) | Limit [dBm] | Result |
|------------|---------|----------------|-----------------------|-------------|--------|
| 11B        | Ant2    | 2412           | 11.39                 | ≤30.00      | PASS   |
| 11B        | Ant2    | 2437           | 12.69                 | ≤30.00      | PASS   |
| 11B        | Ant2    | 2462           | 12.97                 | ≤30.00      | PASS   |
| 11G        | Ant2    | 2412           | 11.66                 | ≤30.00      | PASS   |
| 11G        | Ant2    | 2437           | 12.84                 | ≤30.00      | PASS   |
| 11G        | Ant2    | 2462           | 13.27                 | ≤30.00      | PASS   |
| 11N20SISO  | Ant2    | 2412           | 11.80                 | ≤30.00      | PASS   |
| 11N20SISO  | Ant2    | 2437           | 12.87                 | ≤30.00      | PASS   |
| 11N20SISO  | Ant2    | 2462           | 13.22                 | ≤30.00      | PASS   |
| 11N40SISO  | Ant2    | 2422           | 12.82                 | ≤30.00      | PASS   |
| 11N40SISO  | Ant2    | 2437           | 13.41                 | ≤30.00      | PASS   |
| 11N40SISO  | Ant2    | 2452           | 13.96                 | ≤30.00      | PASS   |
| 11AX20SISO | Ant2    | 2412           | 12.41                 | ≤30.00      | PASS   |
| 11AX20SISO | Ant2    | 2437           | 13.57                 | ≤30.00      | PASS   |
| 11AX20SISO | Ant2    | 2462           | 13.72                 | ≤30.00      | PASS   |
| 11AX40SISO | Ant2    | 2422           | 13.44                 | ≤30.00      | PASS   |
| 11AX40SISO | Ant2    | 2437           | 14.08                 | ≤30.00      | PASS   |
| 11AX40SISO | Ant2    | 2452           | 13.65                 | ≤30.00      | PASS   |
| 11BE20SISO | Ant2    | 2412           | 12.34                 | ≤30.00      | PASS   |
| 11BE20SISO | Ant2    | 2437           | 12.19                 | ≤30.00      | PASS   |
| 11BE20SISO | Ant2    | 2462           | 13.71                 | ≤30.00      | PASS   |
| 11BE40SISO | Ant2    | 2422           | 12.87                 | ≤30.00      | PASS   |
| 11BE40SISO | Ant2    | 2437           | 13.78                 | ≤30.00      | PASS   |
| 11BE40SISO | Ant2    | 2452           | 13.23                 | ≤30.00      | PASS   |



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### MIMO

| Type          | Channel | Output power<br>PK(dBm)<br>ANT1 | Output power<br>PK(dBm)<br>ANT2 | Output power<br>PK(dBm)<br>MIMO | Limit (dBm) | Result |
|---------------|---------|---------------------------------|---------------------------------|---------------------------------|-------------|--------|
| 802.11n HT20  | 01      | 12.47                           | 11.8                            | 15.16                           | 28.0        | Pass   |
|               | 06      | 13.25                           | 12.87                           | 16.07                           |             |        |
|               | 11      | 13.7                            | 13.22                           | 16.48                           |             |        |
| 802.11n HT40  | 03      | 13.28                           | 12.82                           | 16.07                           | 28.0        | Pass   |
|               | 06      | 13.8                            | 13.41                           | 16.62                           |             |        |
|               | 09      | 13.65                           | 13.96                           | 16.82                           |             |        |
| 802.11ax HE20 | 01      | 12.46                           | 12.41                           | 15.45                           | 28.0        | Pass   |
|               | 06      | 13.16                           | 13.57                           | 16.38                           |             |        |
|               | 11      | 13.44                           | 13.72                           | 16.59                           |             |        |
| 802.11ax HE40 | 03      | 12.2                            | 13.44                           | 15.87                           | 28.0        | Pass   |
|               | 06      | 12.72                           | 14.08                           | 16.46                           |             |        |
|               | 09      | 13.22                           | 13.65                           | 16.45                           |             |        |
| 802.11be HE20 | 01      | 12.46                           | 12.34                           | 15.41                           | 28.0        | Pass   |
|               | 06      | 13.76                           | 12.19                           | 16.06                           |             |        |
|               | 11      | 13.35                           | 13.71                           | 16.54                           |             |        |
| 802.11be HE40 | 03      | 12.61                           | 12.87                           | 15.75                           | 28.0        | Pass   |
|               | 06      | 12.87                           | 13.78                           | 16.36                           |             |        |
|               | 09      | 13.34                           | 13.23                           | 16.30                           |             |        |

Remark: Directional gain is 8.0 dBi.



## Appendix C: Maximum power spectral density

### Ant 1

#### Test Result

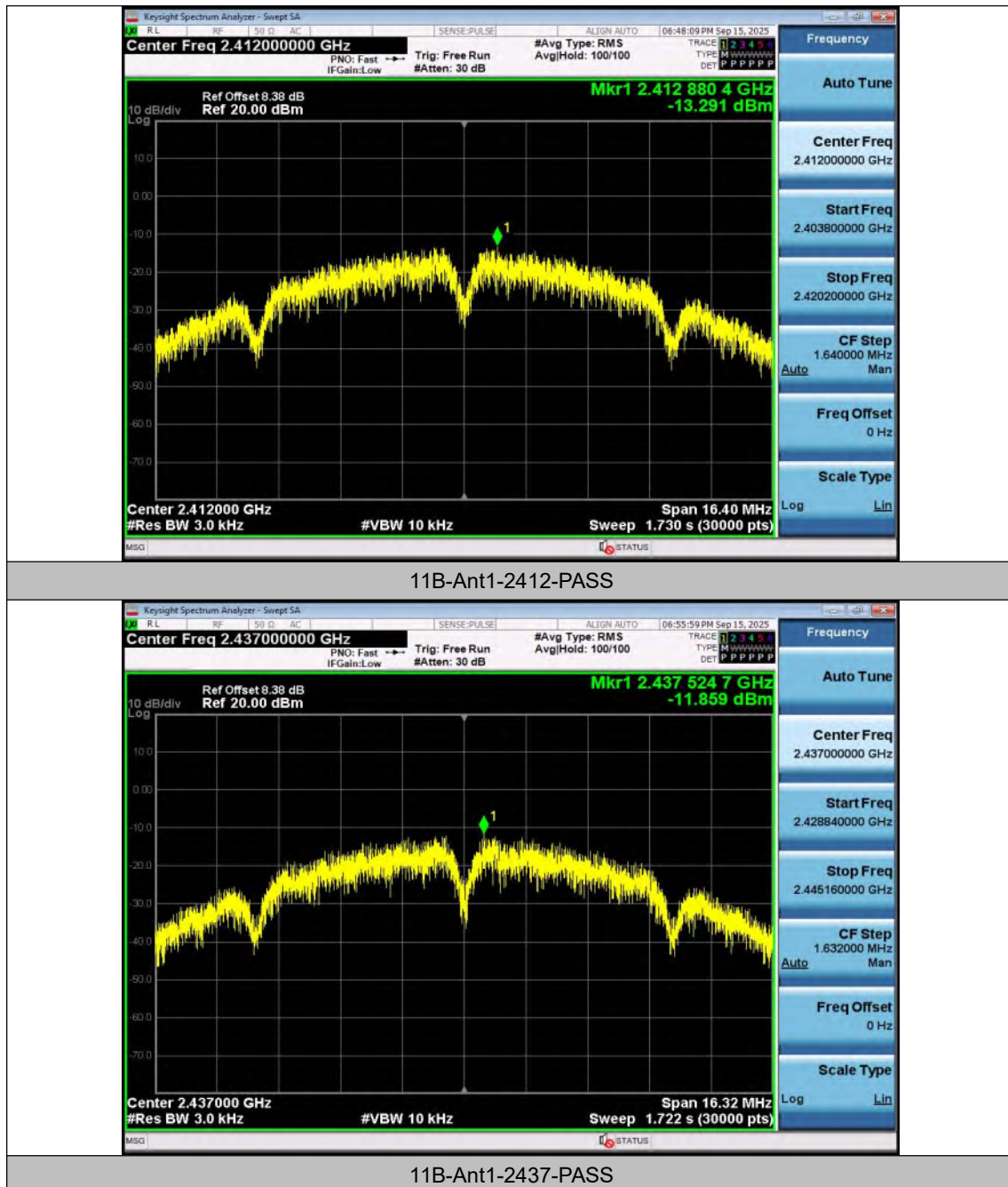
| Test Mode  | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|------------|---------|----------------|------------------|-----------------|---------|
| 11B        | Ant1    | 2412           | -13.29           | ≤8.00           | PASS    |
| 11B        | Ant1    | 2437           | -11.86           | ≤8.00           | PASS    |
| 11B        | Ant1    | 2462           | -12.14           | ≤8.00           | PASS    |
| 11G        | Ant1    | 2412           | -18.01           | ≤8.00           | PASS    |
| 11G        | Ant1    | 2437           | -16.71           | ≤8.00           | PASS    |
| 11G        | Ant1    | 2462           | -17.05           | ≤8.00           | PASS    |
| 11N20SISO  | Ant1    | 2412           | -17.10           | ≤8.00           | PASS    |
| 11N20SISO  | Ant1    | 2437           | -15.87           | ≤8.00           | PASS    |
| 11N20SISO  | Ant1    | 2462           | -15.56           | ≤8.00           | PASS    |
| 11N40SISO  | Ant1    | 2422           | -18.85           | ≤8.00           | PASS    |
| 11N40SISO  | Ant1    | 2437           | -18.63           | ≤8.00           | PASS    |
| 11N40SISO  | Ant1    | 2452           | -18.95           | ≤8.00           | PASS    |
| 11AX20SISO | Ant1    | 2412           | -17.13           | ≤8.00           | PASS    |
| 11AX20SISO | Ant1    | 2437           | -16.95           | ≤8.00           | PASS    |
| 11AX20SISO | Ant1    | 2462           | -16.67           | ≤8.00           | PASS    |
| 11AX40SISO | Ant1    | 2422           | -21.59           | ≤8.00           | PASS    |
| 11AX40SISO | Ant1    | 2437           | -20.25           | ≤8.00           | PASS    |
| 11AX40SISO | Ant1    | 2452           | -19.20           | ≤8.00           | PASS    |
| 11BE20SISO | Ant1    | 2412           | -17.48           | ≤8.00           | PASS    |
| 11BE20SISO | Ant1    | 2437           | -15.91           | ≤8.00           | PASS    |
| 11BE20SISO | Ant1    | 2462           | -16.91           | ≤8.00           | PASS    |
| 11BE40SISO | Ant1    | 2422           | -20.01           | ≤8.00           | PASS    |
| 11BE40SISO | Ant1    | 2437           | -19.34           | ≤8.00           | PASS    |
| 11BE40SISO | Ant1    | 2452           | -19.09           | ≤8.00           | PASS    |



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## Test Graphs

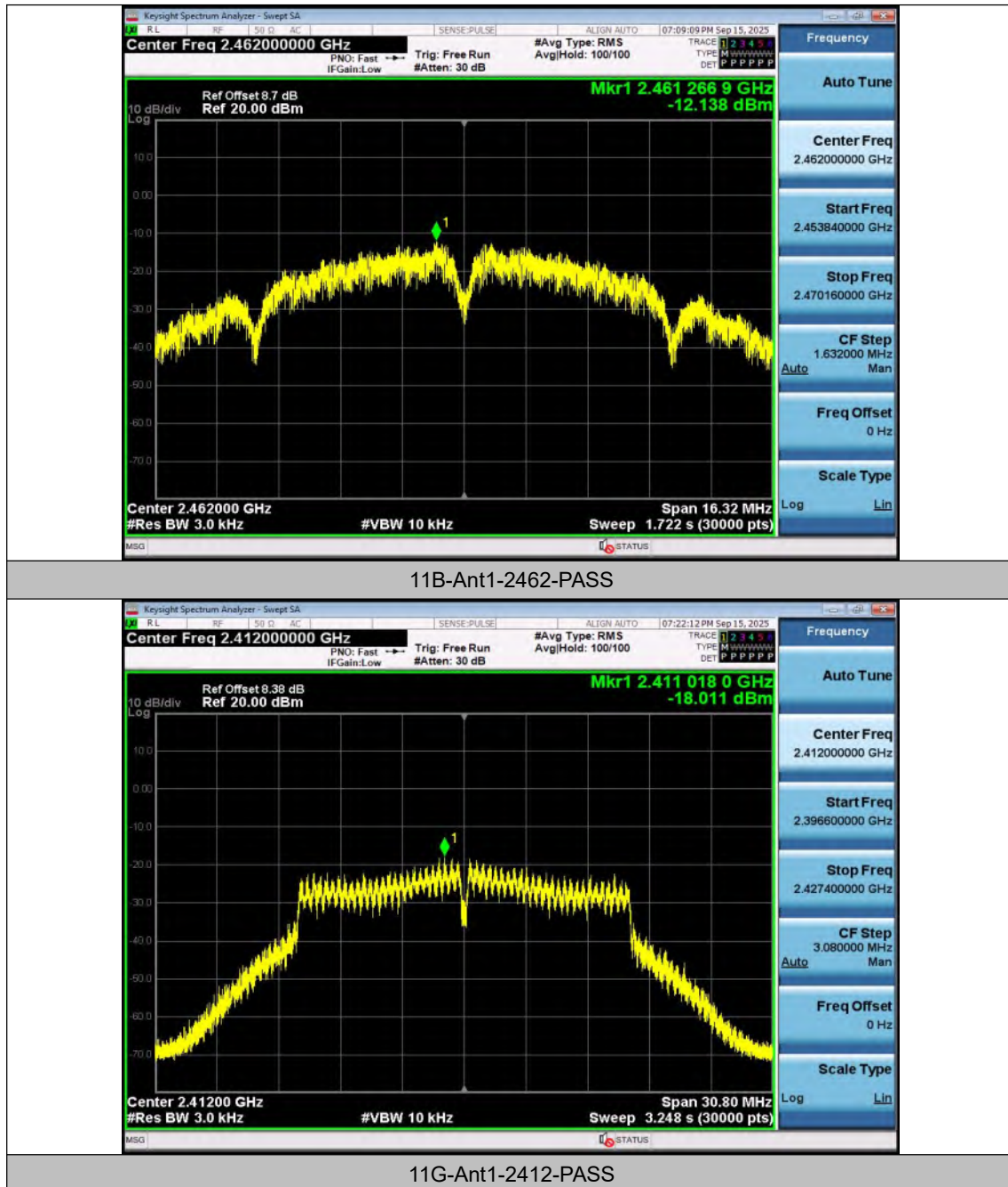




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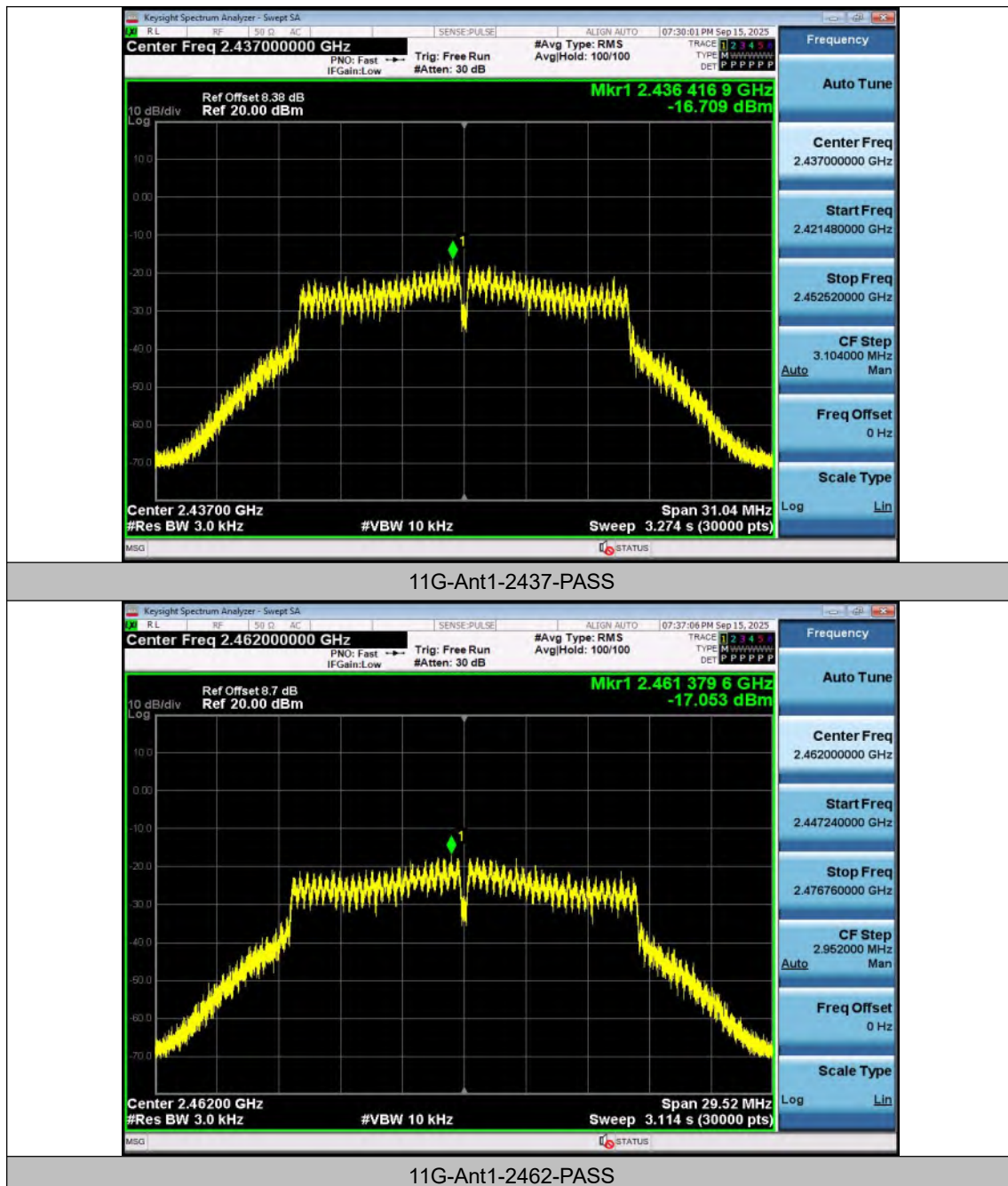




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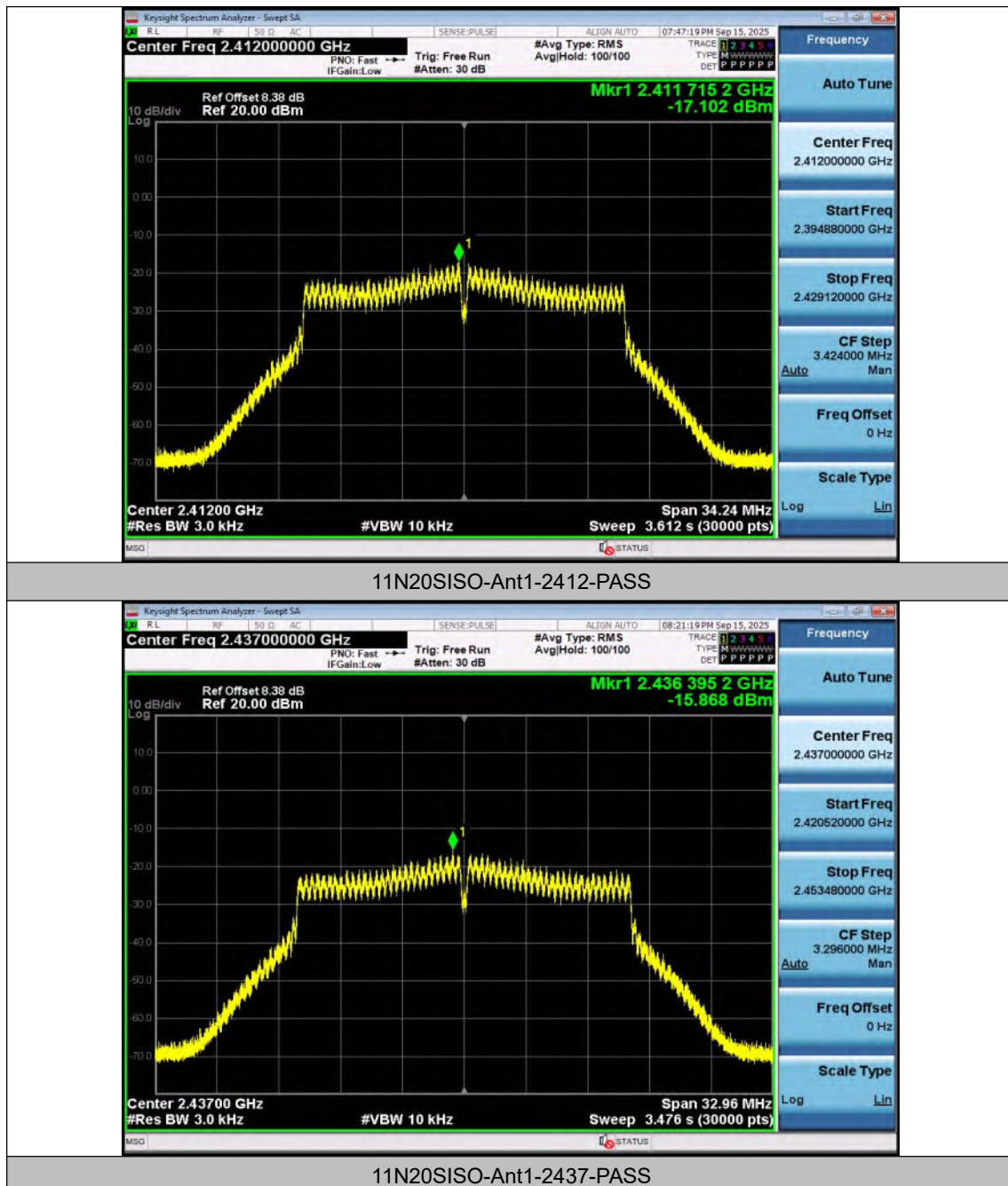




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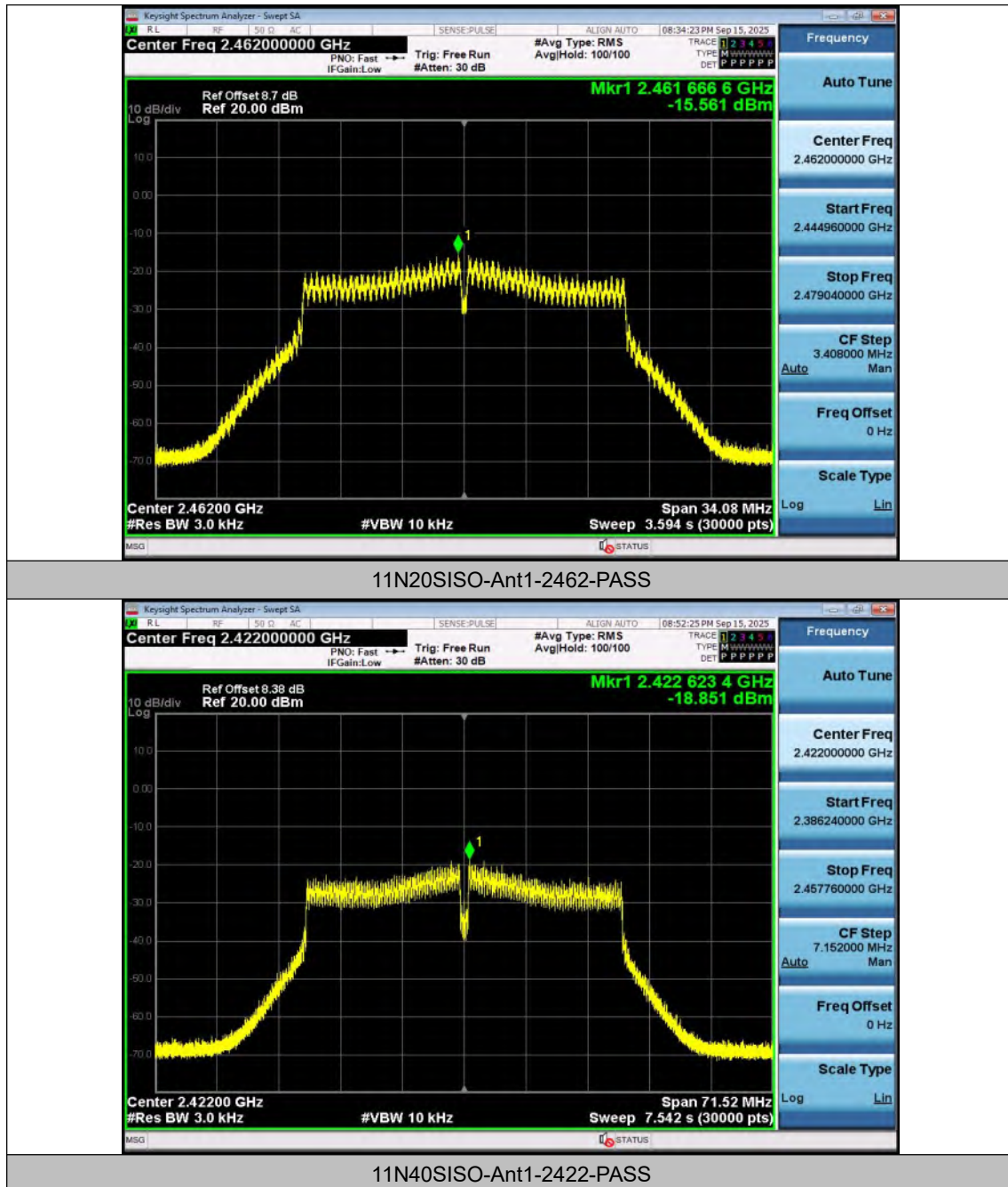




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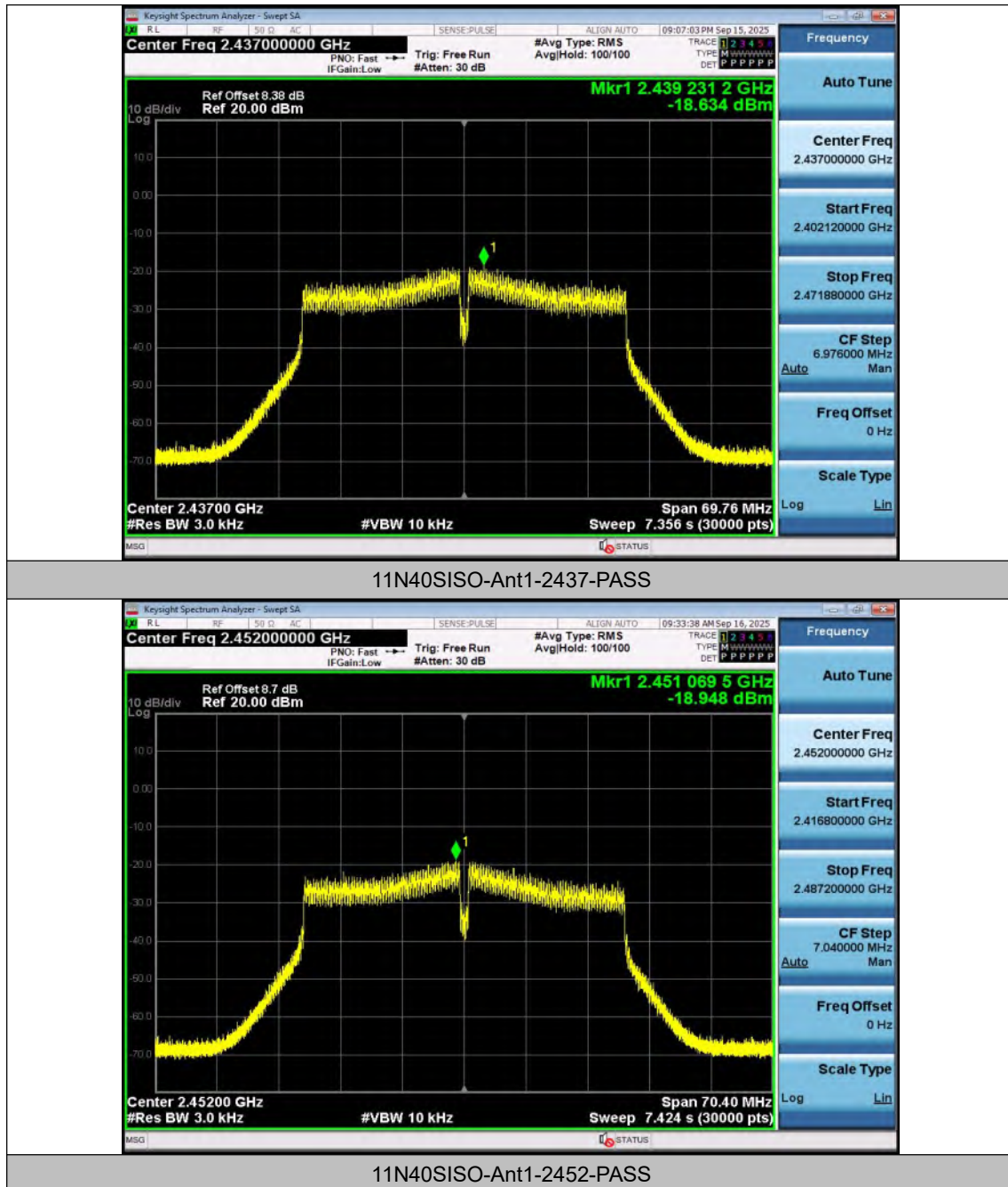




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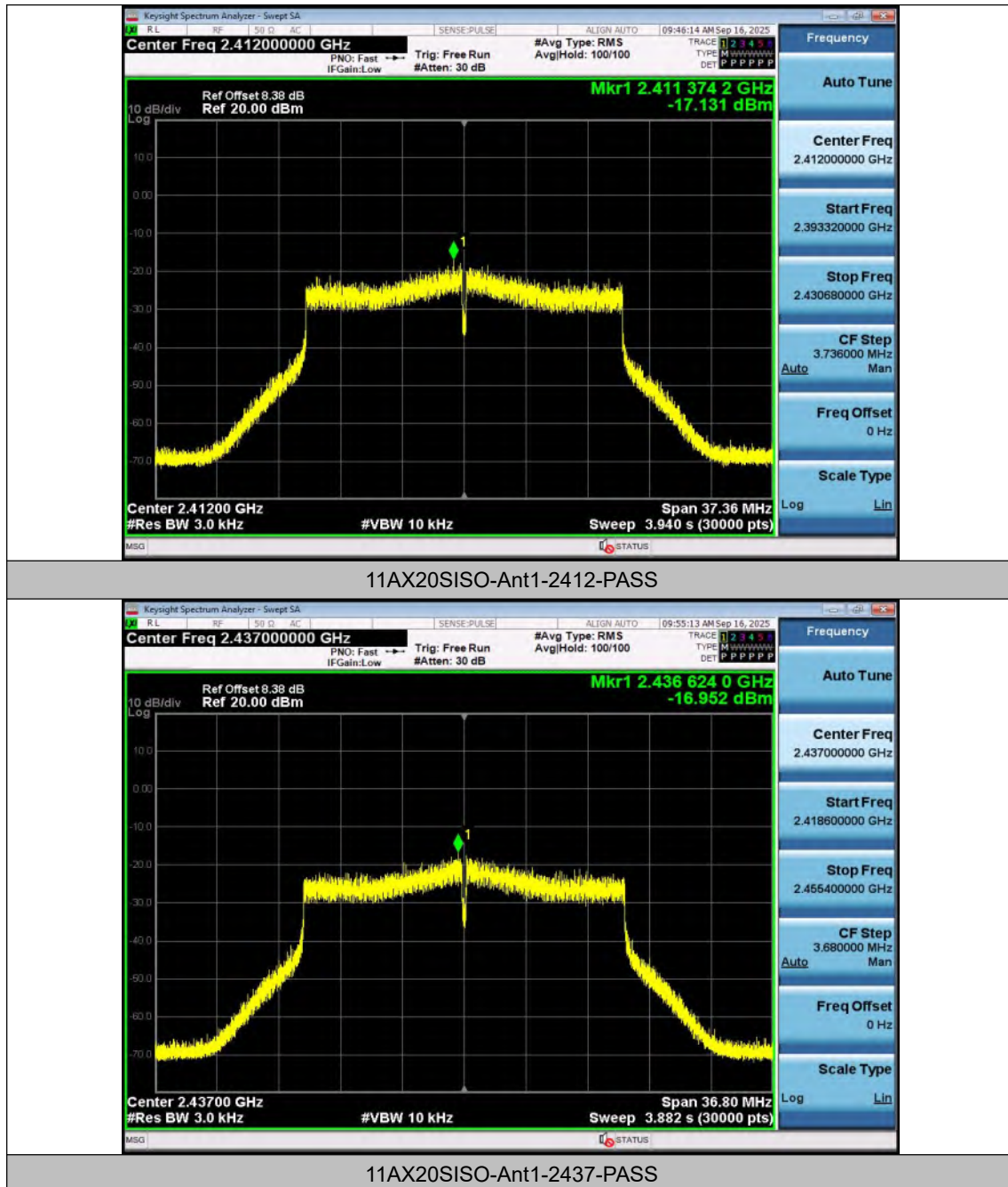




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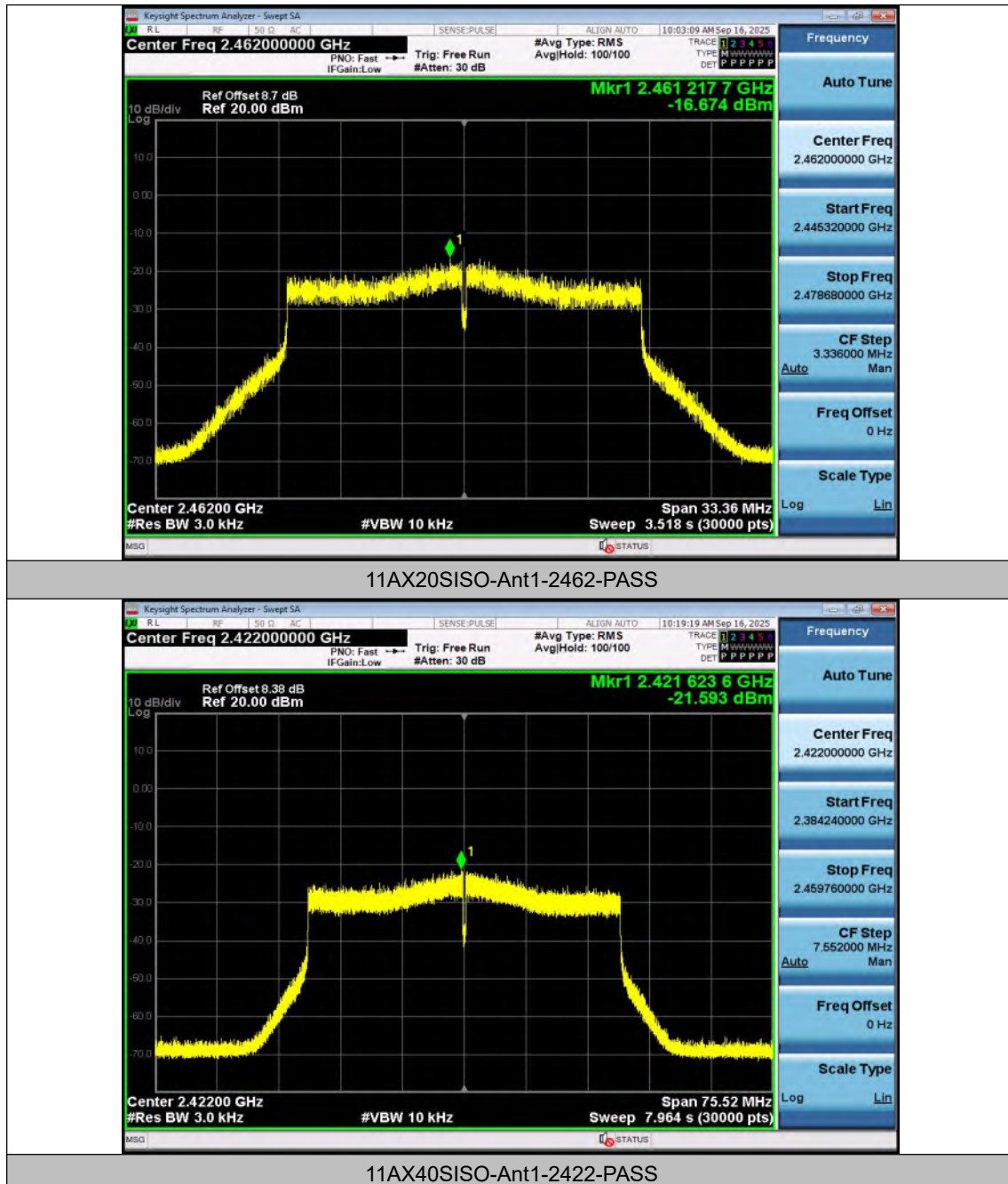




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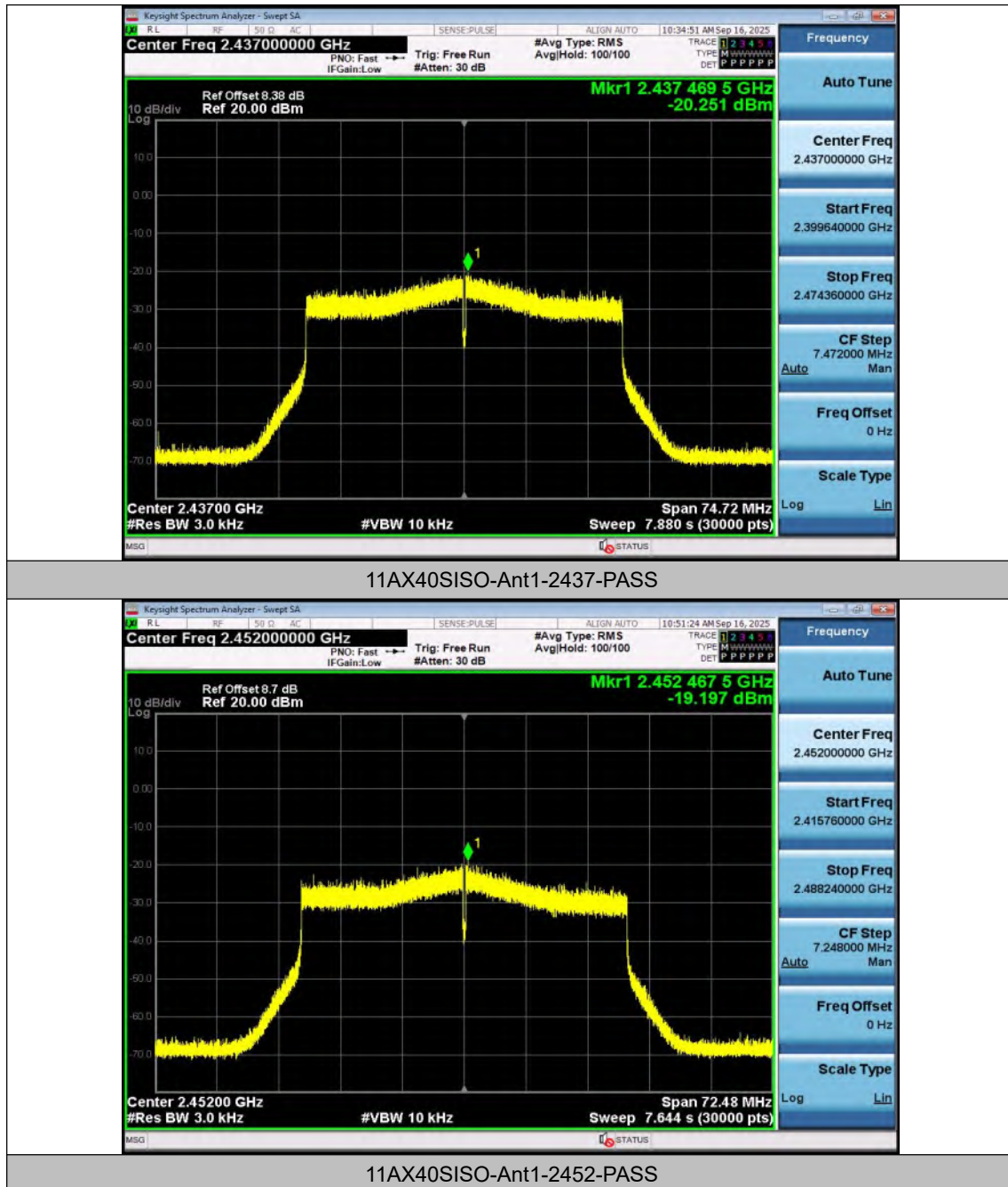




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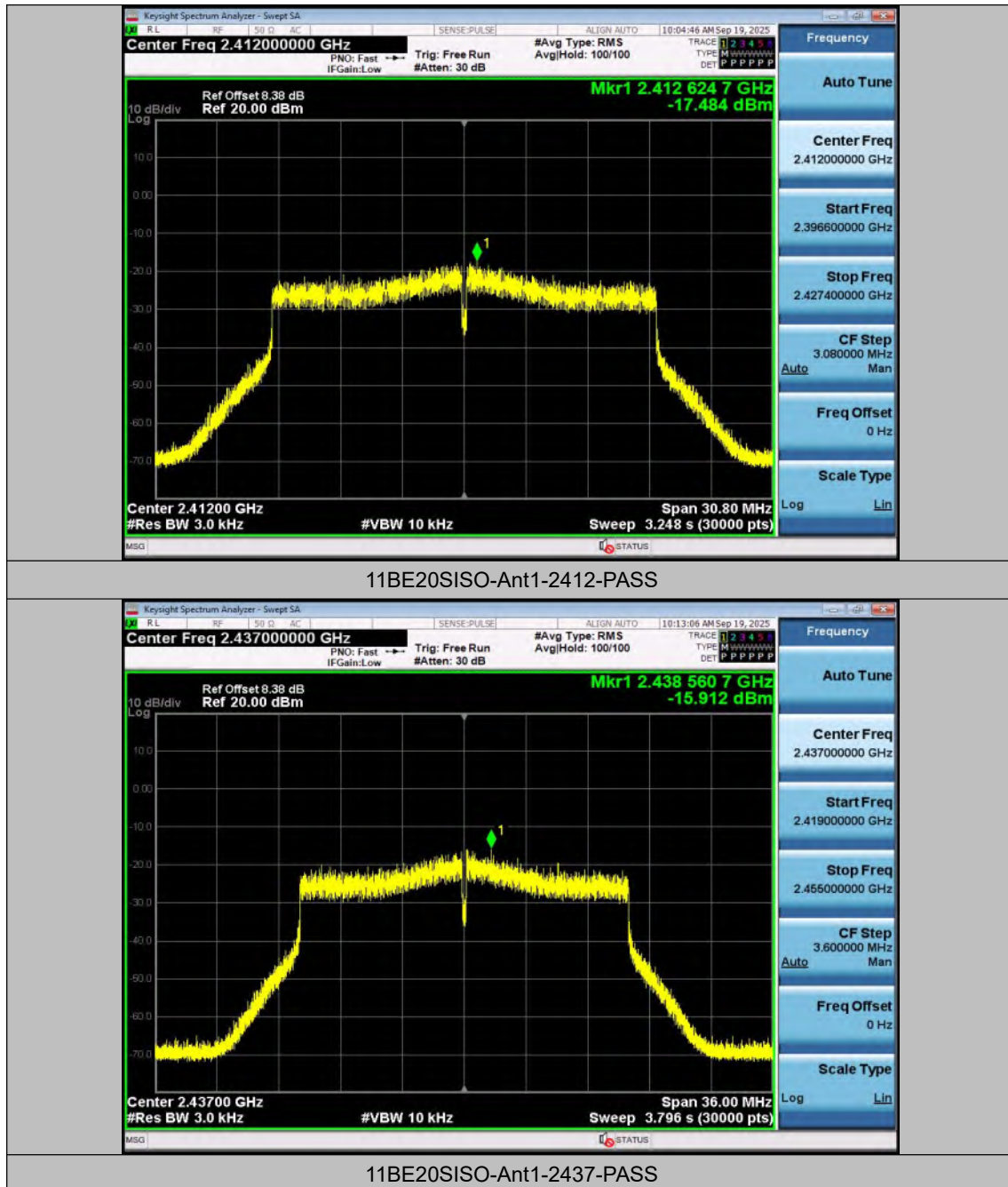




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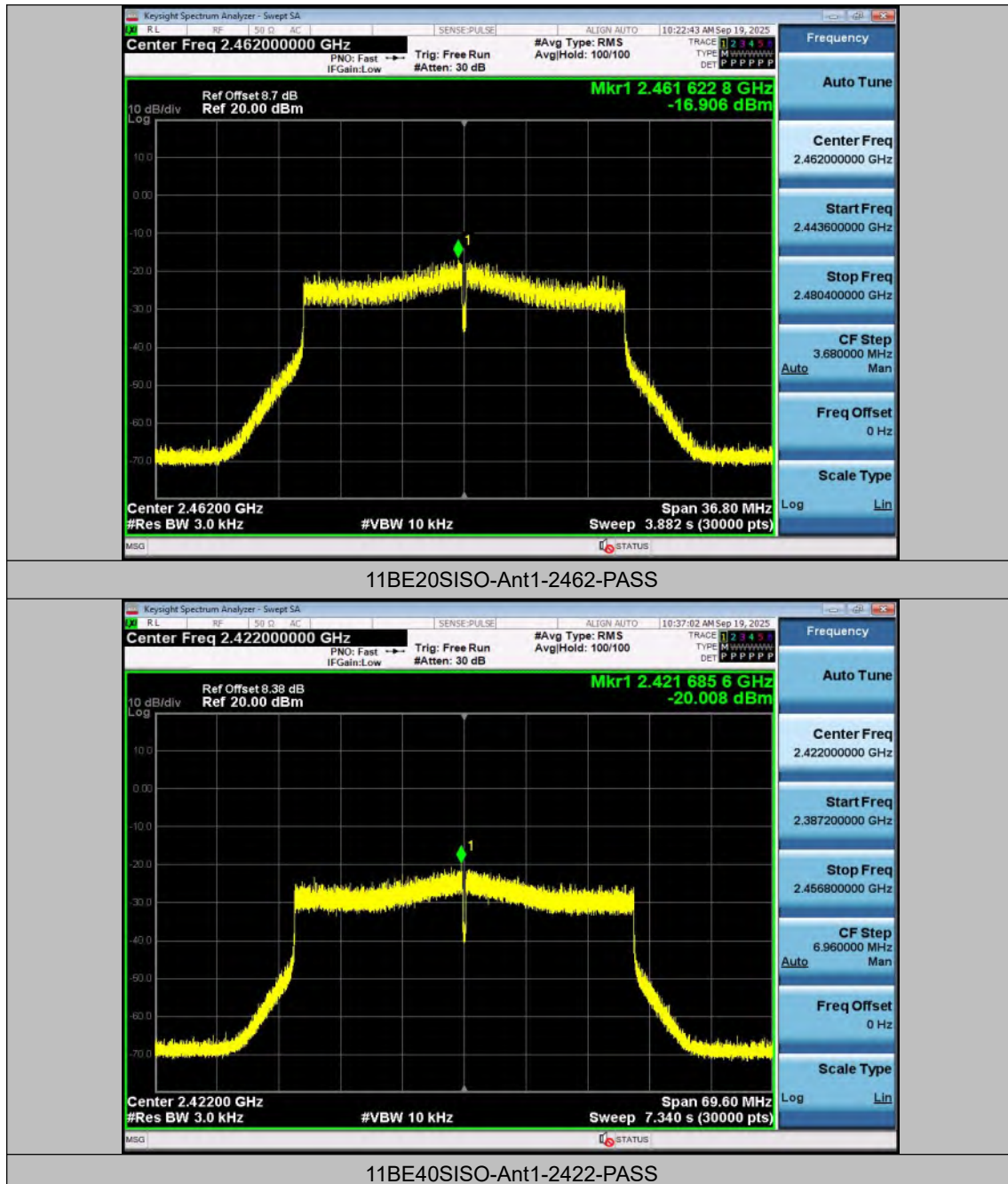




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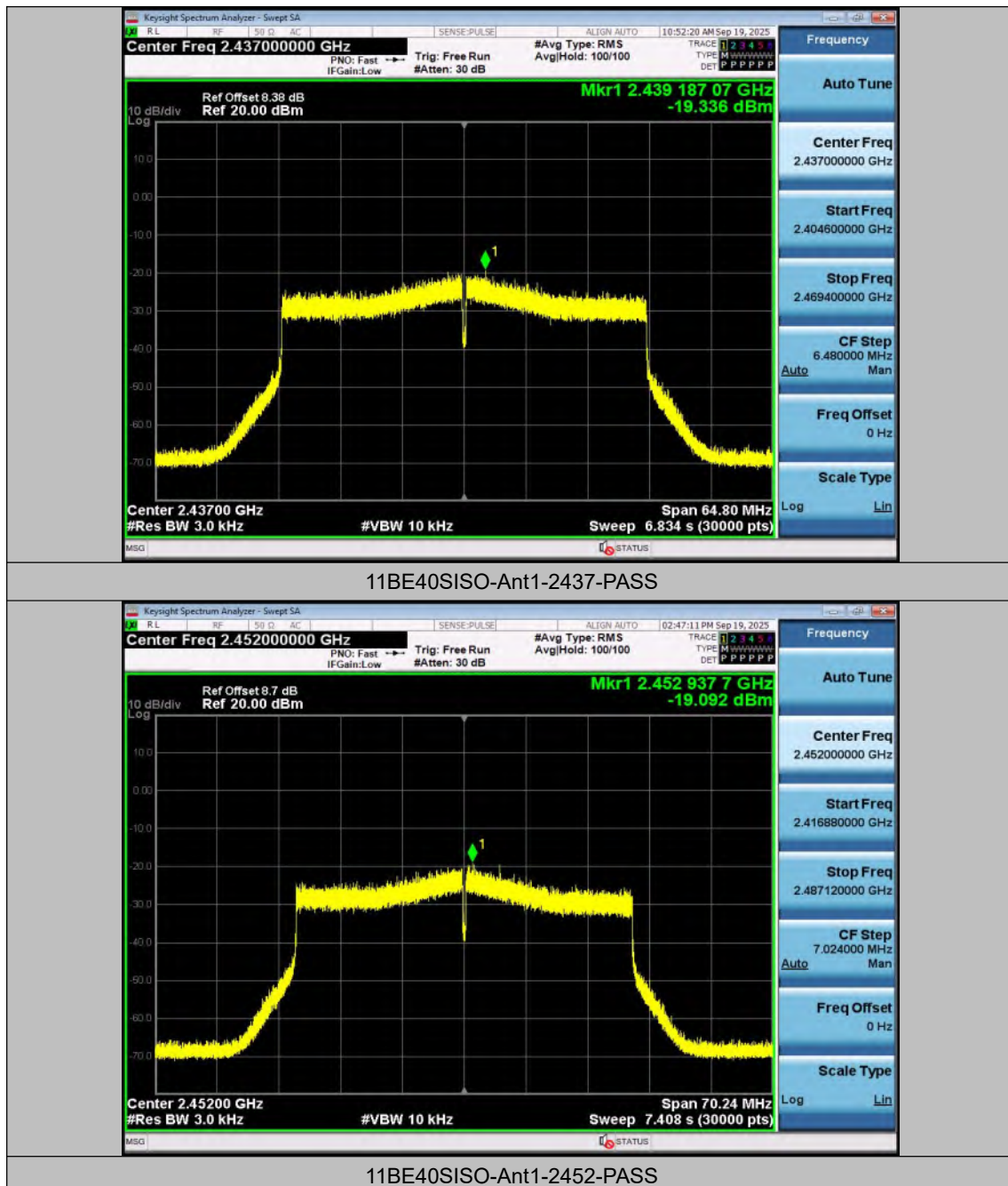




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## Ant 2

### Test Result

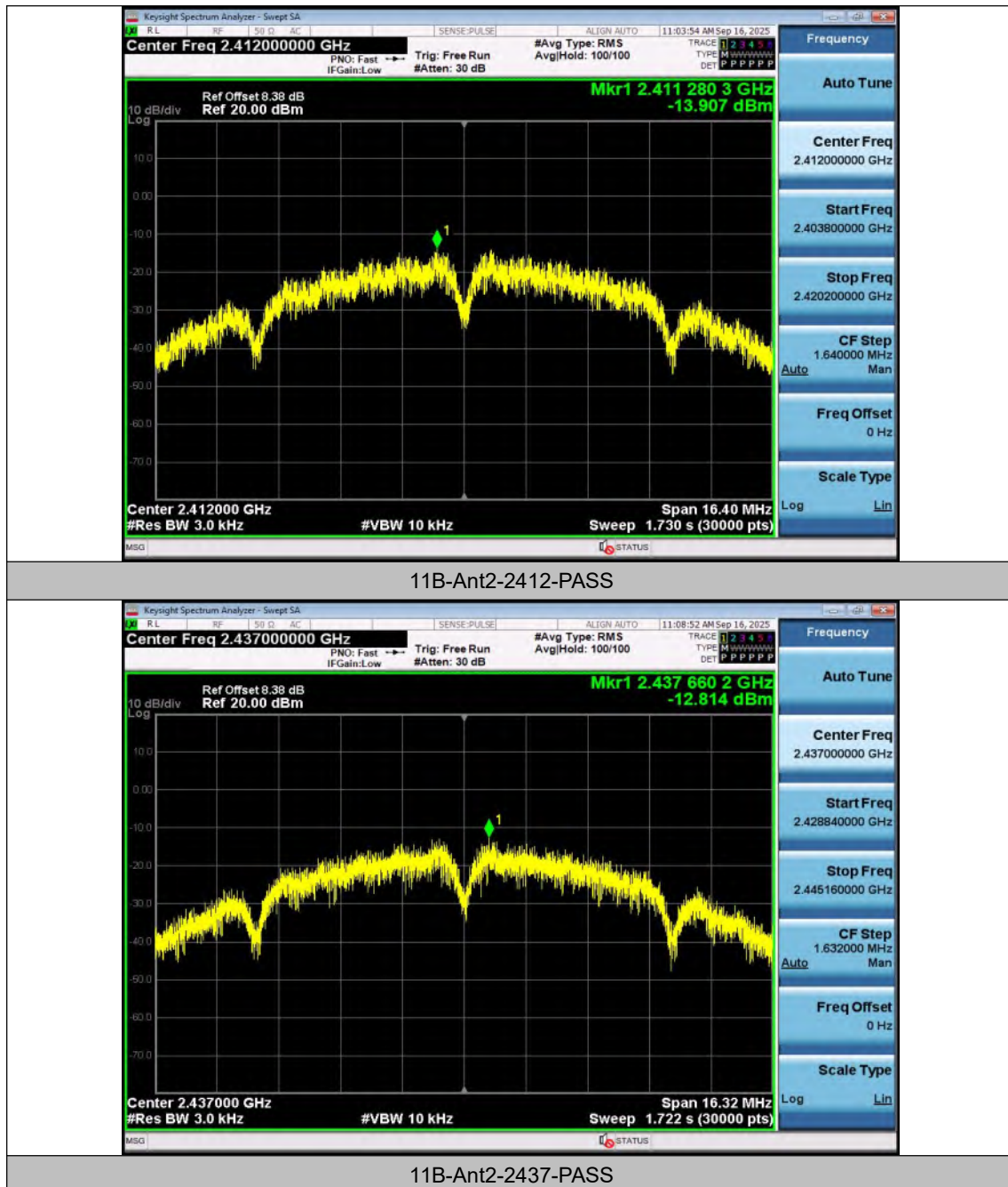
| Test Mode  | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|------------|---------|----------------|------------------|-----------------|---------|
| 11B        | Ant2    | 2412           | -13.91           | ≤8.00           | PASS    |
| 11B        | Ant2    | 2437           | -12.81           | ≤8.00           | PASS    |
| 11B        | Ant2    | 2462           | -12.19           | ≤8.00           | PASS    |
| 11G        | Ant2    | 2412           | -18.36           | ≤8.00           | PASS    |
| 11G        | Ant2    | 2437           | -17.55           | ≤8.00           | PASS    |
| 11G        | Ant2    | 2462           | -17.41           | ≤8.00           | PASS    |
| 11N20SISO  | Ant2    | 2412           | -18.14           | ≤8.00           | PASS    |
| 11N20SISO  | Ant2    | 2437           | -16.94           | ≤8.00           | PASS    |
| 11N20SISO  | Ant2    | 2462           | -16.02           | ≤8.00           | PASS    |
| 11N40SISO  | Ant2    | 2422           | -19.81           | ≤8.00           | PASS    |
| 11N40SISO  | Ant2    | 2437           | -18.06           | ≤8.00           | PASS    |
| 11N40SISO  | Ant2    | 2452           | -18.34           | ≤8.00           | PASS    |
| 11AX20SISO | Ant2    | 2412           | -18.14           | ≤8.00           | PASS    |
| 11AX20SISO | Ant2    | 2437           | -17.18           | ≤8.00           | PASS    |
| 11AX20SISO | Ant2    | 2462           | -15.66           | ≤8.00           | PASS    |
| 11AX40SISO | Ant2    | 2422           | -19.90           | ≤8.00           | PASS    |
| 11AX40SISO | Ant2    | 2437           | -18.70           | ≤8.00           | PASS    |
| 11AX40SISO | Ant2    | 2452           | -19.26           | ≤8.00           | PASS    |
| 11BE20SISO | Ant2    | 2412           | -18.10           | ≤8.00           | PASS    |
| 11BE20SISO | Ant2    | 2437           | -17.29           | ≤8.00           | PASS    |
| 11BE20SISO | Ant2    | 2462           | -15.72           | ≤8.00           | PASS    |
| 11BE40SISO | Ant2    | 2422           | -18.69           | ≤8.00           | PASS    |
| 11BE40SISO | Ant2    | 2437           | -18.90           | ≤8.00           | PASS    |
| 11BE40SISO | Ant2    | 2452           | -19.05           | ≤8.00           | PASS    |



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## Test Graphs

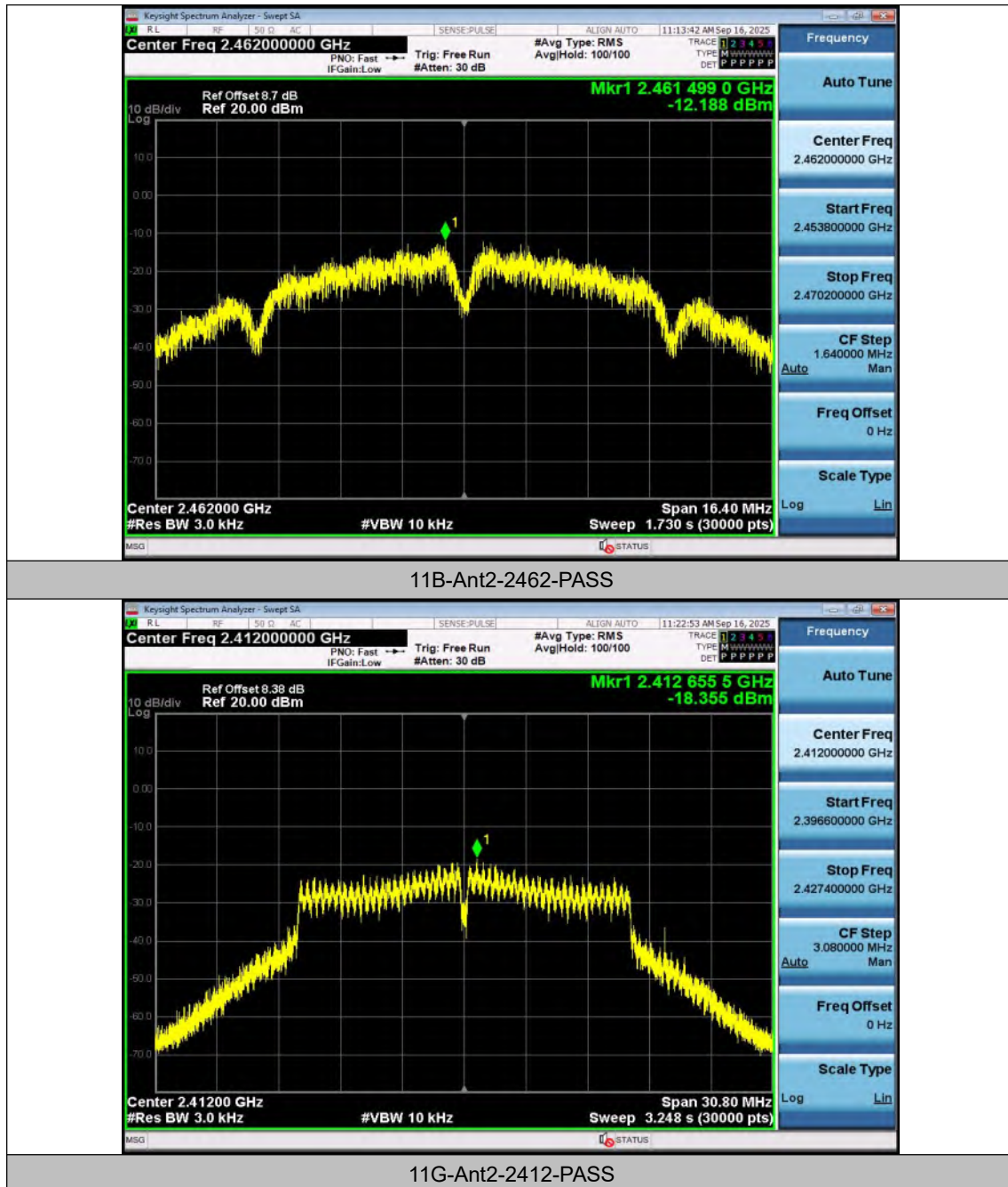




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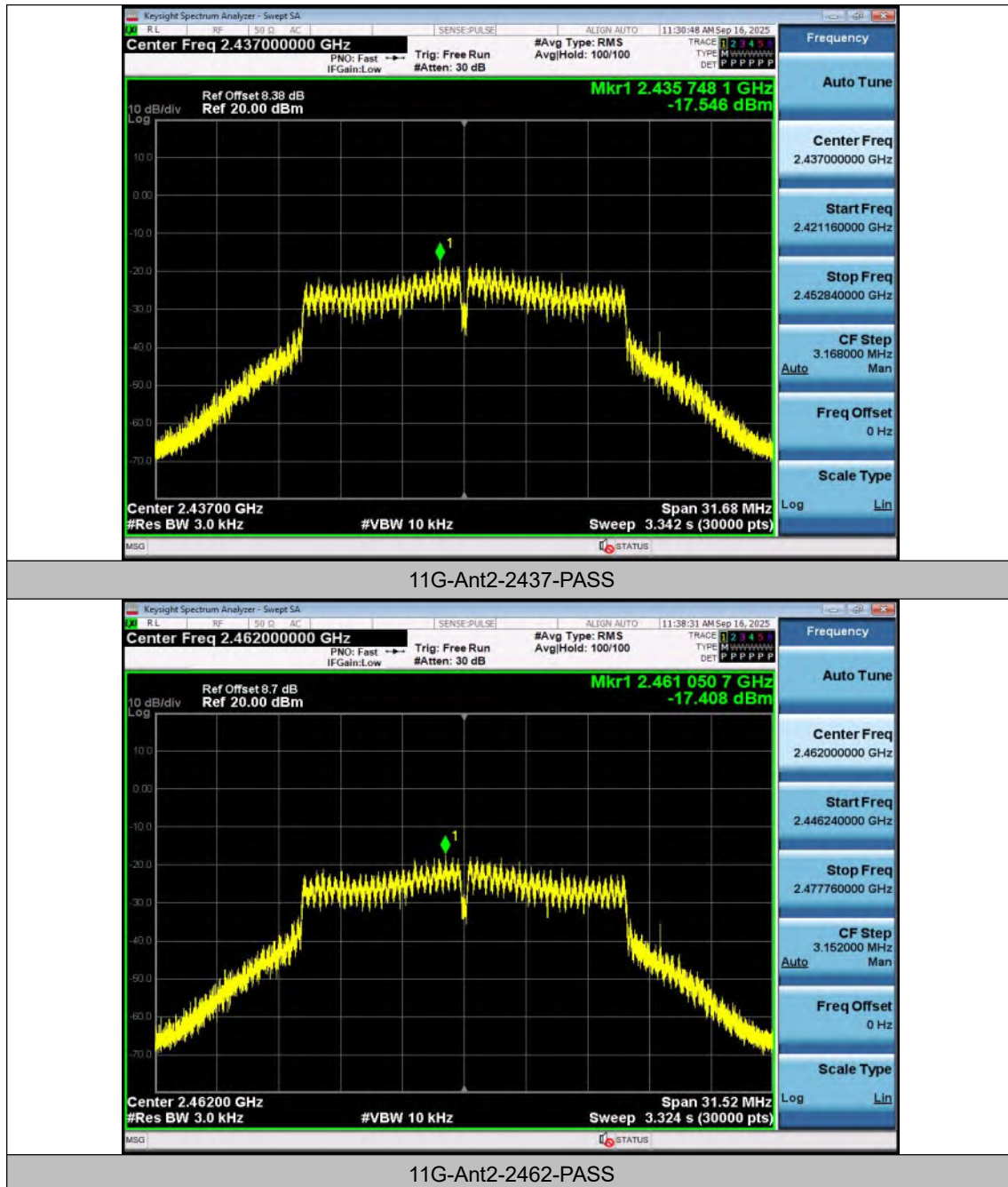




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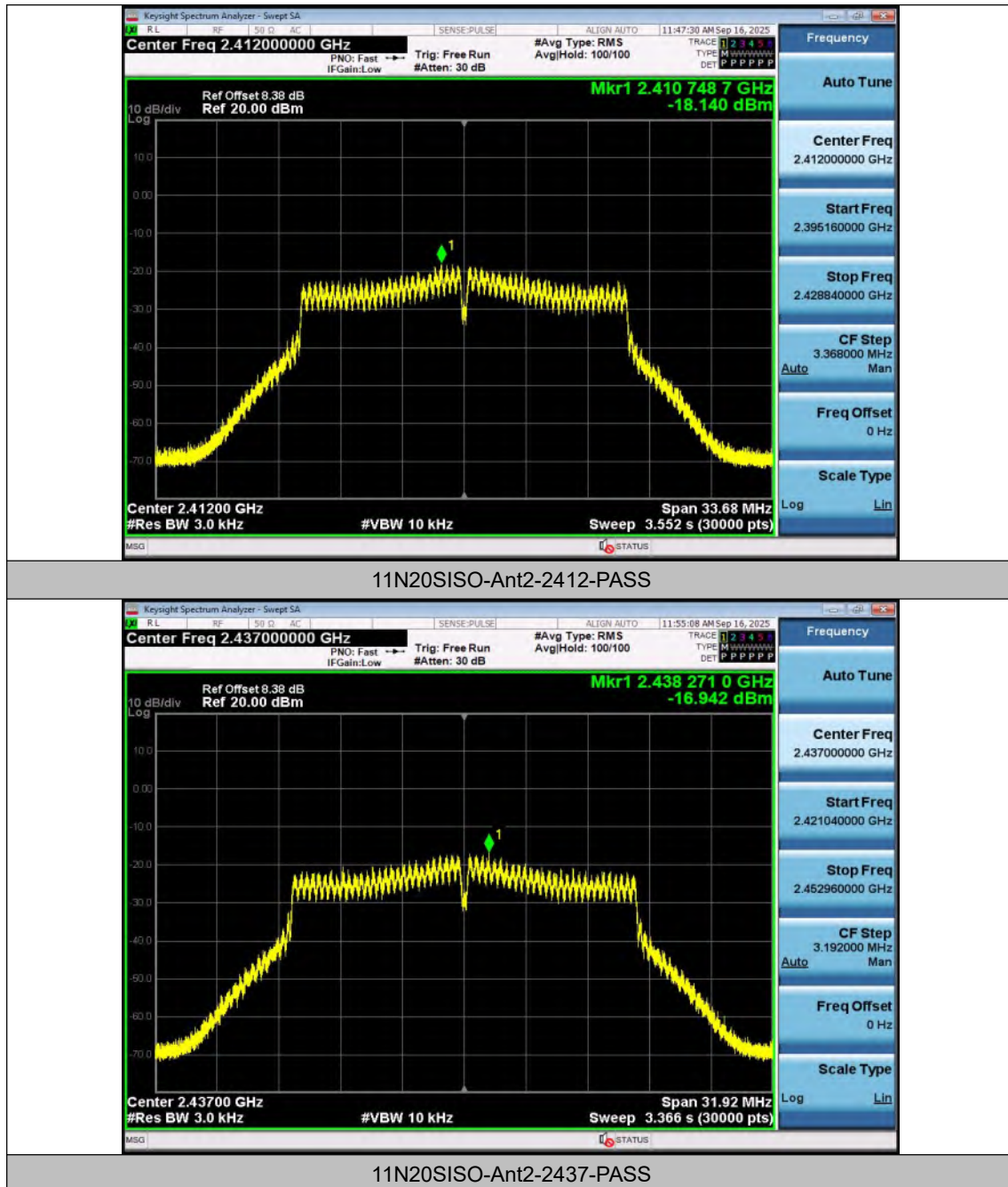




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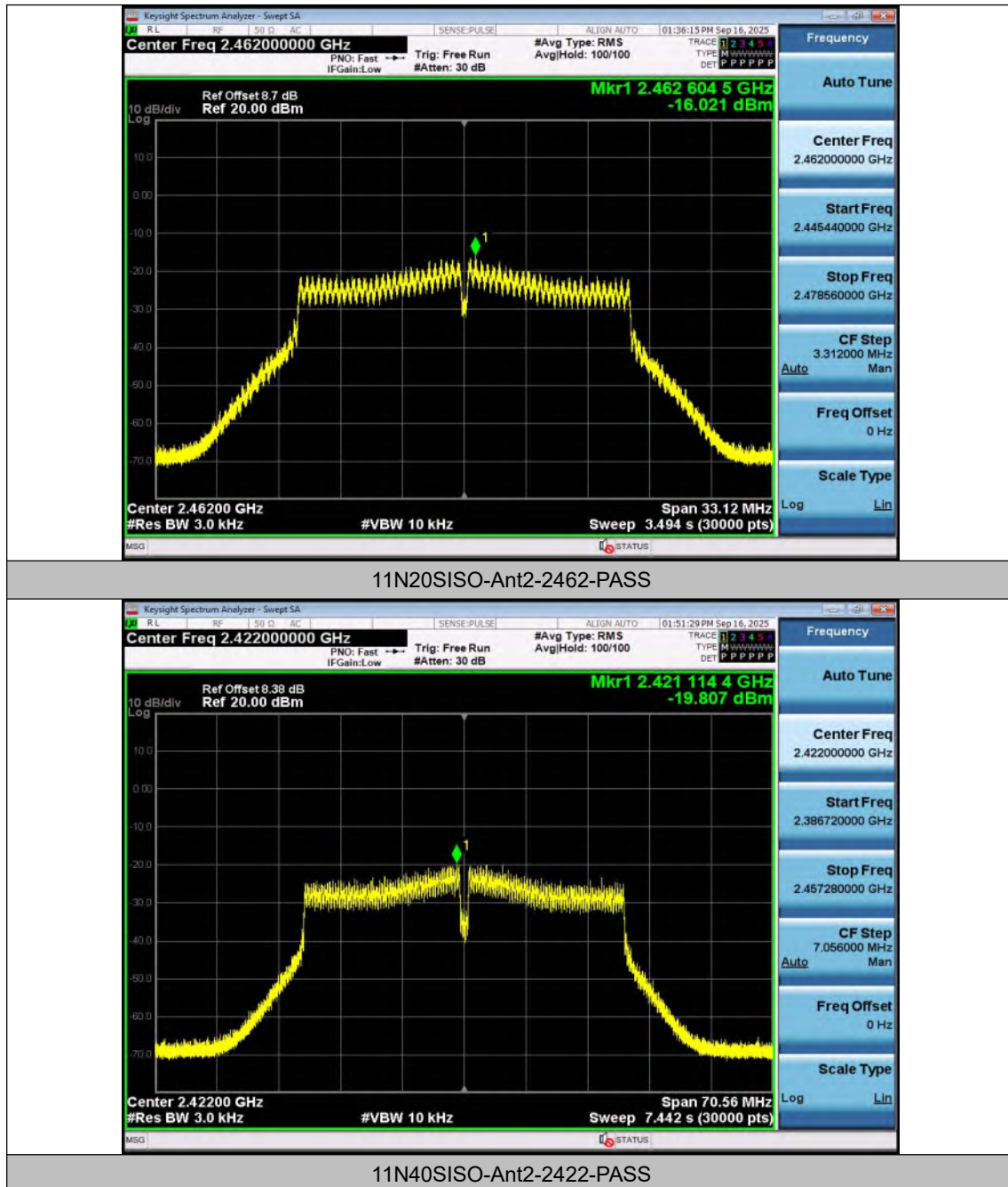




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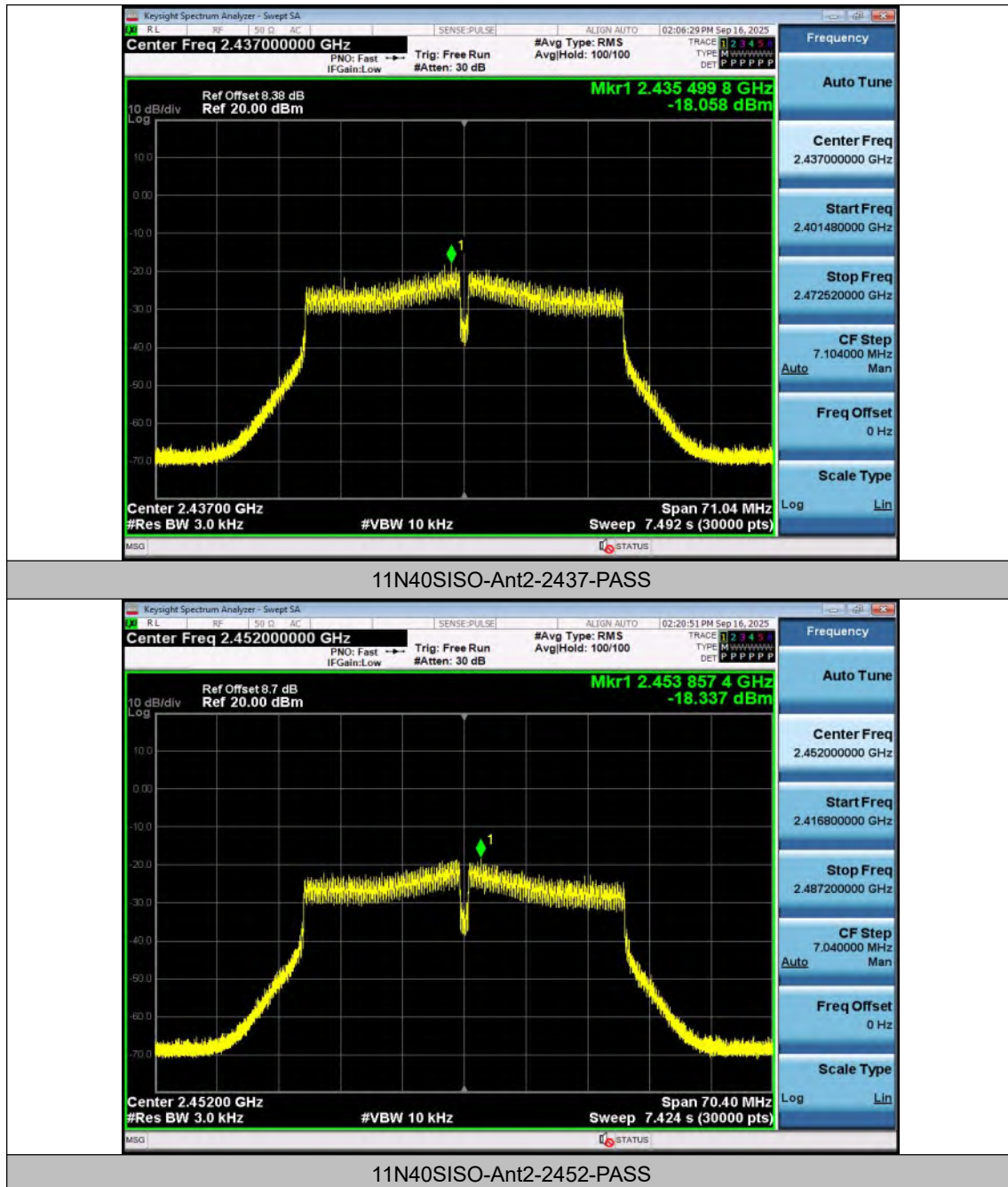




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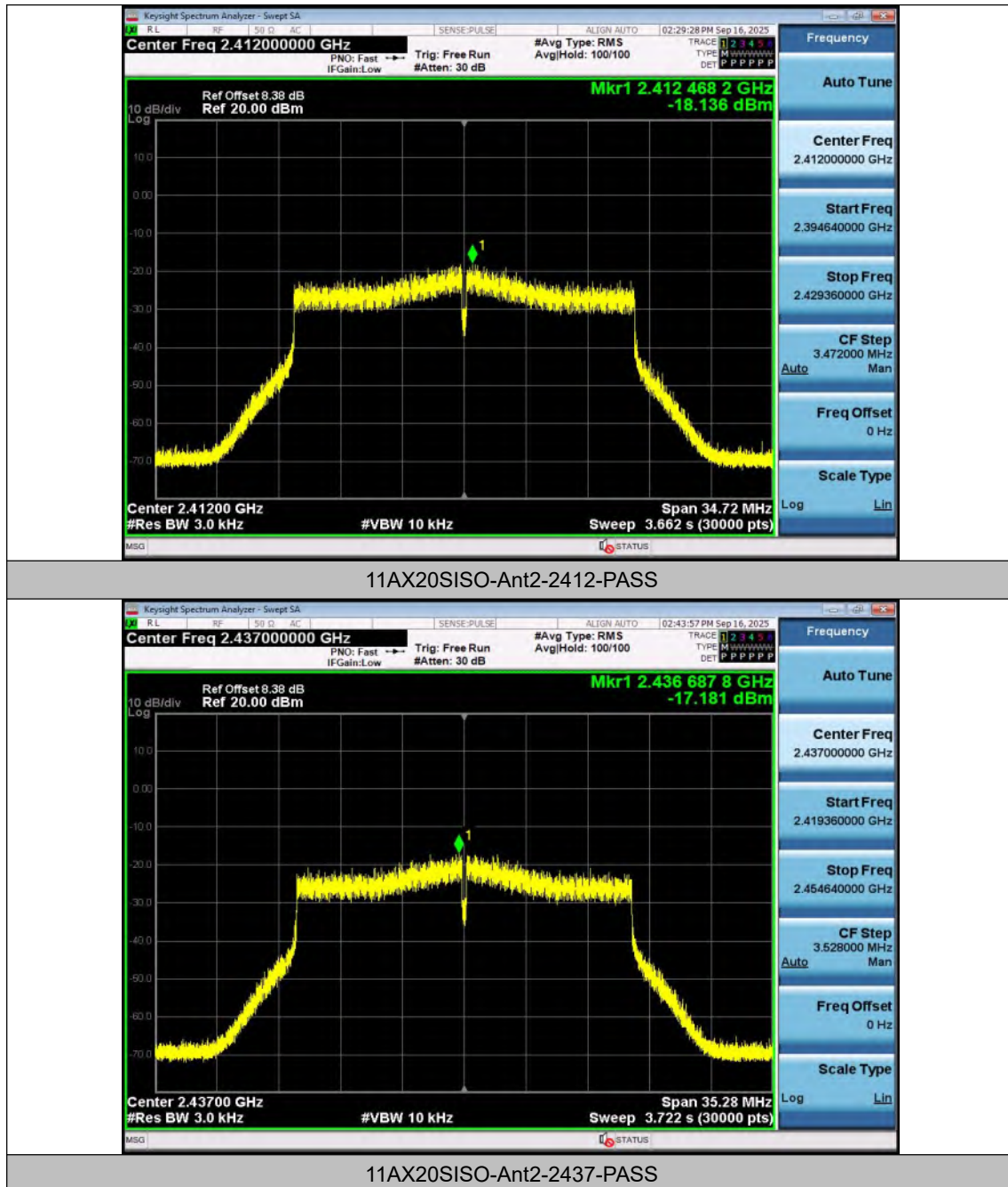




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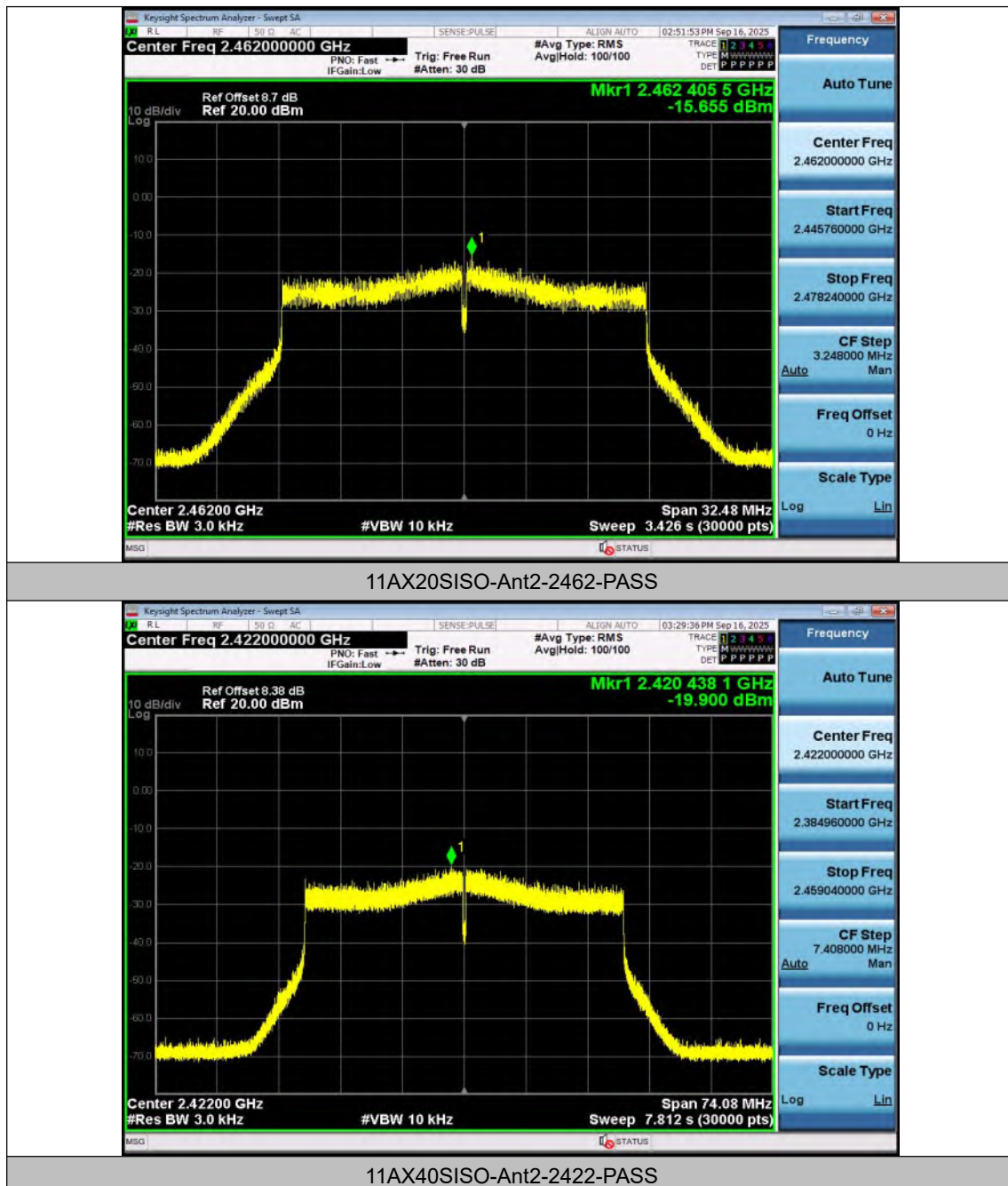




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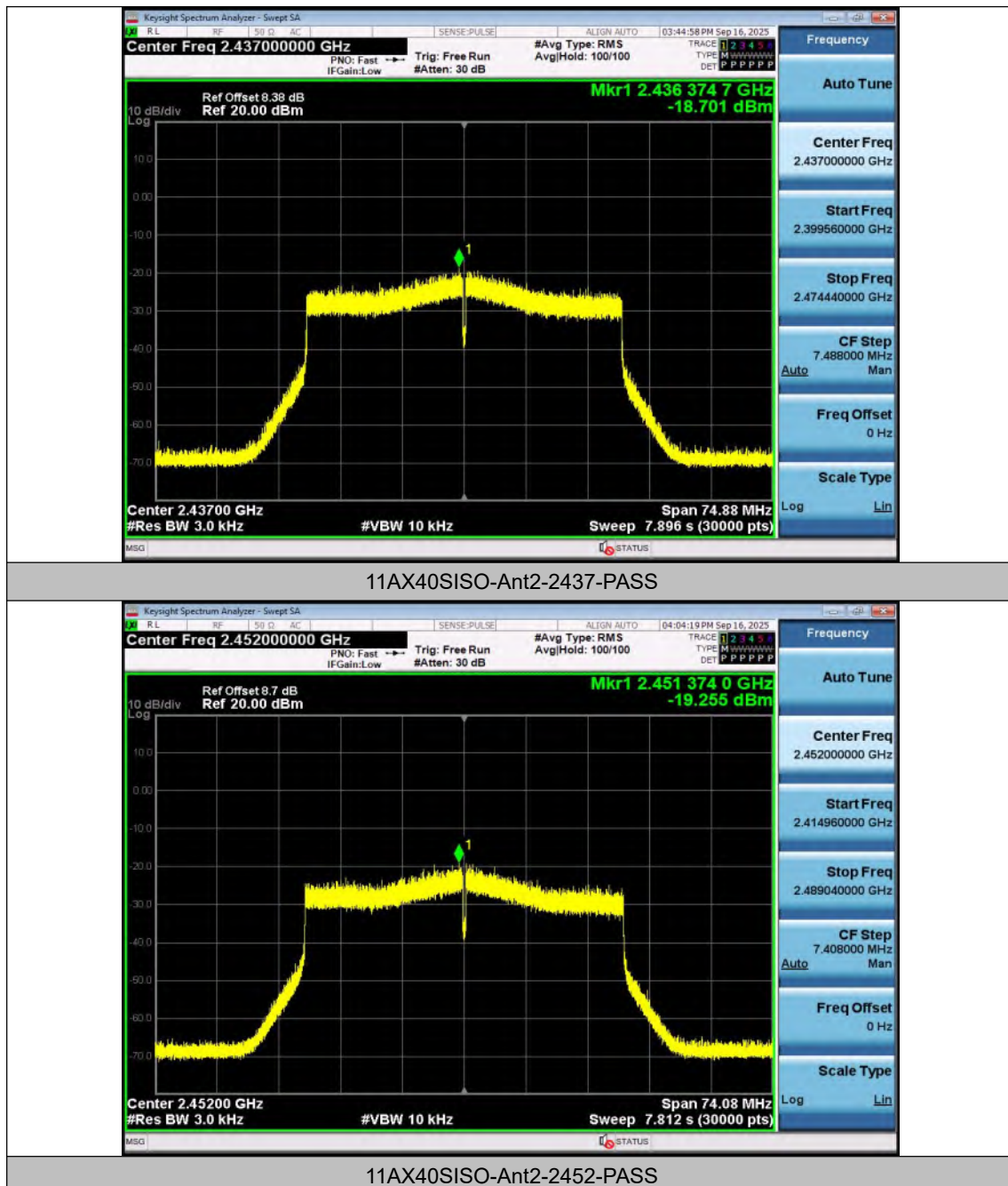




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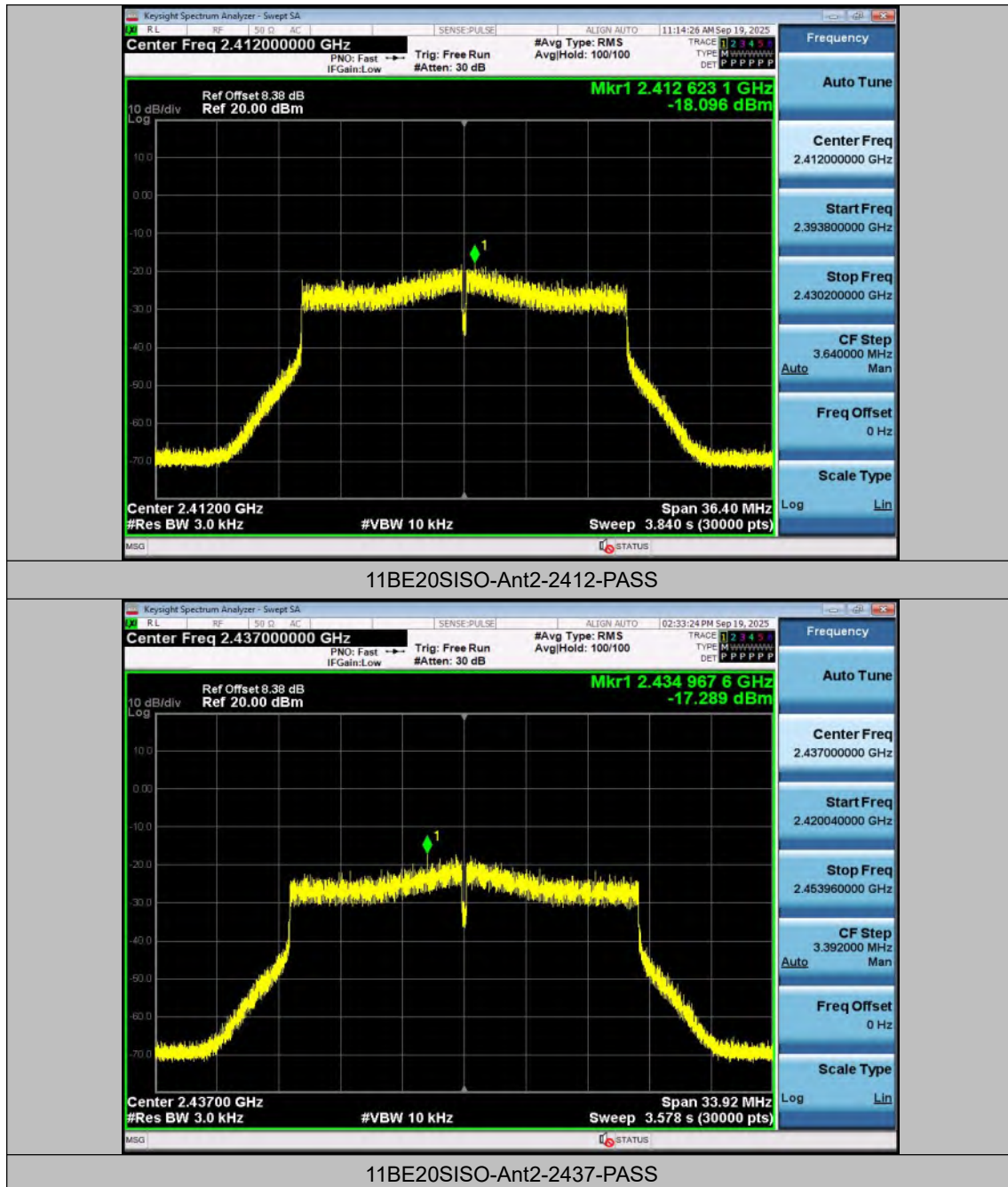




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FCCID:2A22E-R-W72508

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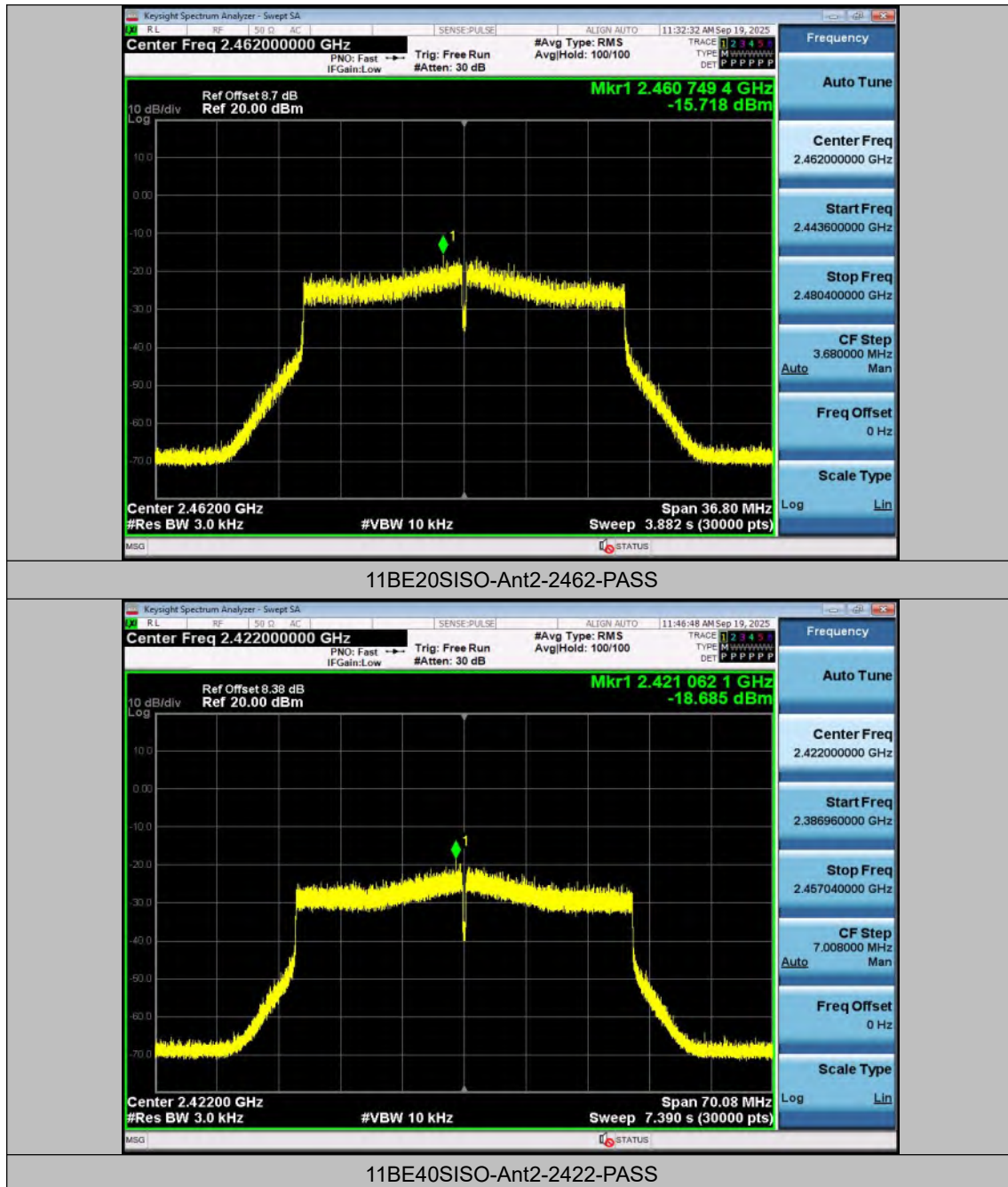




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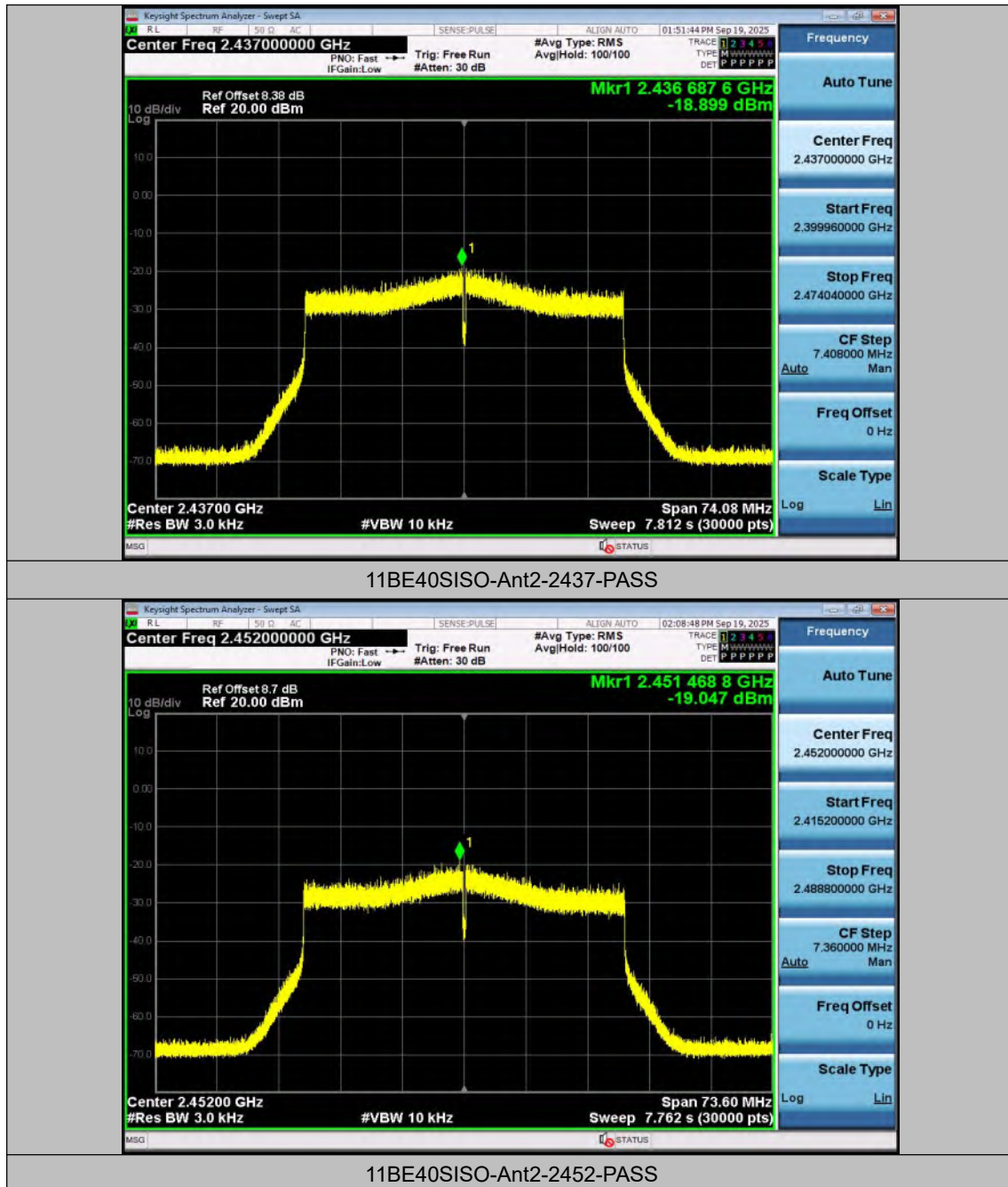




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**MIMO**

| Type          | Channel | Power Spectral<br>Density<br>(dBm/3KHz)<br>ANT1 | Power Spectral<br>Density<br>(dBm/3KHz)<br>ANT2 | Power Spectral<br>Density<br>(dBm/3KHz)<br>MIMO | Limit<br>(dBm/3KHz) | Result |
|---------------|---------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|---------------------|--------|
| 802.11n HT20  | 01      | -17.1                                           | -18.14                                          | -14.58                                          | 6.0                 | Pass   |
|               | 06      | -15.87                                          | -16.94                                          | -13.36                                          |                     |        |
|               | 11      | -15.56                                          | -16.02                                          | -12.77                                          |                     |        |
| 802.11n HT40  | 03      | -18.85                                          | -19.81                                          | -16.29                                          | 6.0                 | Pass   |
|               | 06      | -18.63                                          | -18.06                                          | -15.33                                          |                     |        |
|               | 09      | -18.95                                          | -18.34                                          | -15.62                                          |                     |        |
| 802.11ax HE20 | 01      | -17.13                                          | -18.14                                          | -14.60                                          | 6.0                 | Pass   |
|               | 06      | -16.95                                          | -17.18                                          | -14.05                                          |                     |        |
|               | 11      | -16.67                                          | -15.66                                          | -13.13                                          |                     |        |
| 802.11ax HE40 | 03      | -21.59                                          | -19.9                                           | -17.65                                          | 6.0                 | Pass   |
|               | 06      | -20.25                                          | -18.7                                           | -16.40                                          |                     |        |
|               | 09      | -19.2                                           | -19.26                                          | -16.22                                          |                     |        |
| 802.11be HE20 | 01      | -17.48                                          | -18.1                                           | -14.77                                          | 6.0                 | Pass   |
|               | 06      | -15.91                                          | -17.29                                          | -13.54                                          |                     |        |
|               | 11      | -16.91                                          | -15.72                                          | -13.26                                          |                     |        |
| 802.11be HE40 | 03      | -20.01                                          | -18.69                                          | -16.29                                          | 6.0                 | Pass   |
|               | 06      | -19.34                                          | -18.9                                           | -16.10                                          |                     |        |
|               | 09      | -19.09                                          | -19.05                                          | -16.06                                          |                     |        |

Remark: Directional gain is 8.0 dBi.



## Appendix D: Band edge measurements

### Ant 1

#### Test Result

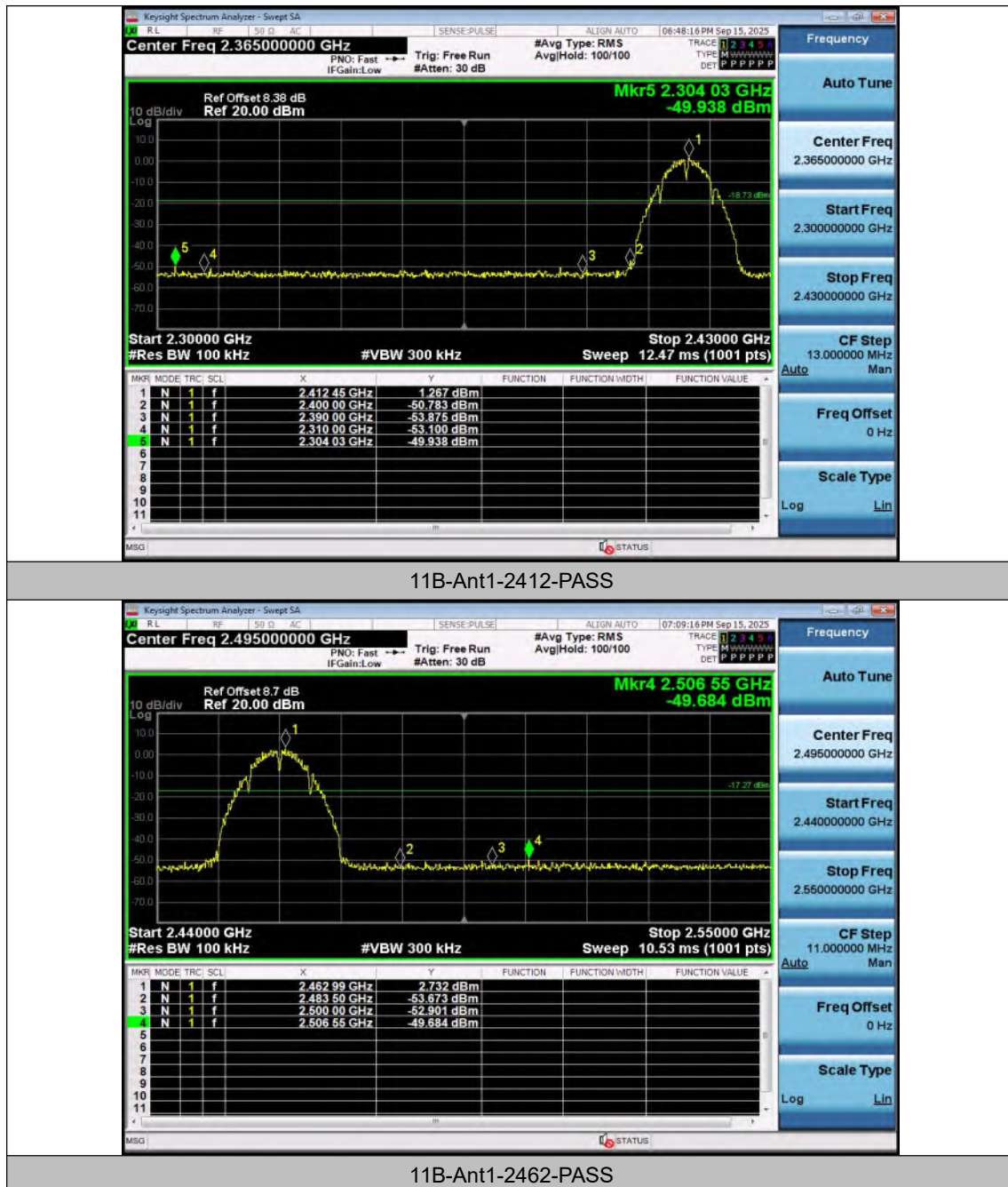
| Test Mode  | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|--------|----------------|---------------|-------------|------------|---------|
| 11B        | Ant1    | Low    | 2412           | 1.27          | -49.94      | ≤-18.73    | PASS    |
| 11B        | Ant1    | High   | 2462           | 2.73          | -49.68      | ≤-17.27    | PASS    |
| 11G        | Ant1    | Low    | 2412           | -4.88         | -39.12      | ≤-24.88    | PASS    |
| 11G        | Ant1    | High   | 2462           | -2.93         | -50.2       | ≤-22.93    | PASS    |
| 11N20SISO  | Ant1    | Low    | 2412           | -4.81         | -37.96      | ≤-24.81    | PASS    |
| 11N20SISO  | Ant1    | High   | 2462           | -5.70         | -50.28      | ≤-25.7     | PASS    |
| 11N40SISO  | Ant1    | Low    | 2422           | -7.49         | -38.1       | ≤-27.49    | PASS    |
| 11N40SISO  | Ant1    | High   | 2452           | -5.30         | -50.76      | ≤-25.3     | PASS    |
| 11AX20SISO | Ant1    | Low    | 2412           | -5.72         | -34.82      | ≤-25.72    | PASS    |
| 11AX20SISO | Ant1    | High   | 2462           | -4.64         | -50.58      | ≤-24.64    | PASS    |
| 11AX40SISO | Ant1    | Low    | 2422           | -8.08         | -39.87      | ≤-28.08    | PASS    |
| 11AX40SISO | Ant1    | High   | 2452           | -8.94         | -50.4       | ≤-28.94    | PASS    |
| 11BE20SISO | Ant1    | Low    | 2412           | -3.89         | -39.78      | ≤-23.89    | PASS    |
| 11BE20SISO | Ant1    | High   | 2462           | -3.29         | -50.13      | ≤-23.29    | PASS    |
| 11BE40SISO | Ant1    | Low    | 2422           | -7.01         | -40.25      | ≤-27.01    | PASS    |
| 11BE40SISO | Ant1    | High   | 2452           | -8.38         | -50.33      | ≤-28.38    | PASS    |



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## Test Graphs

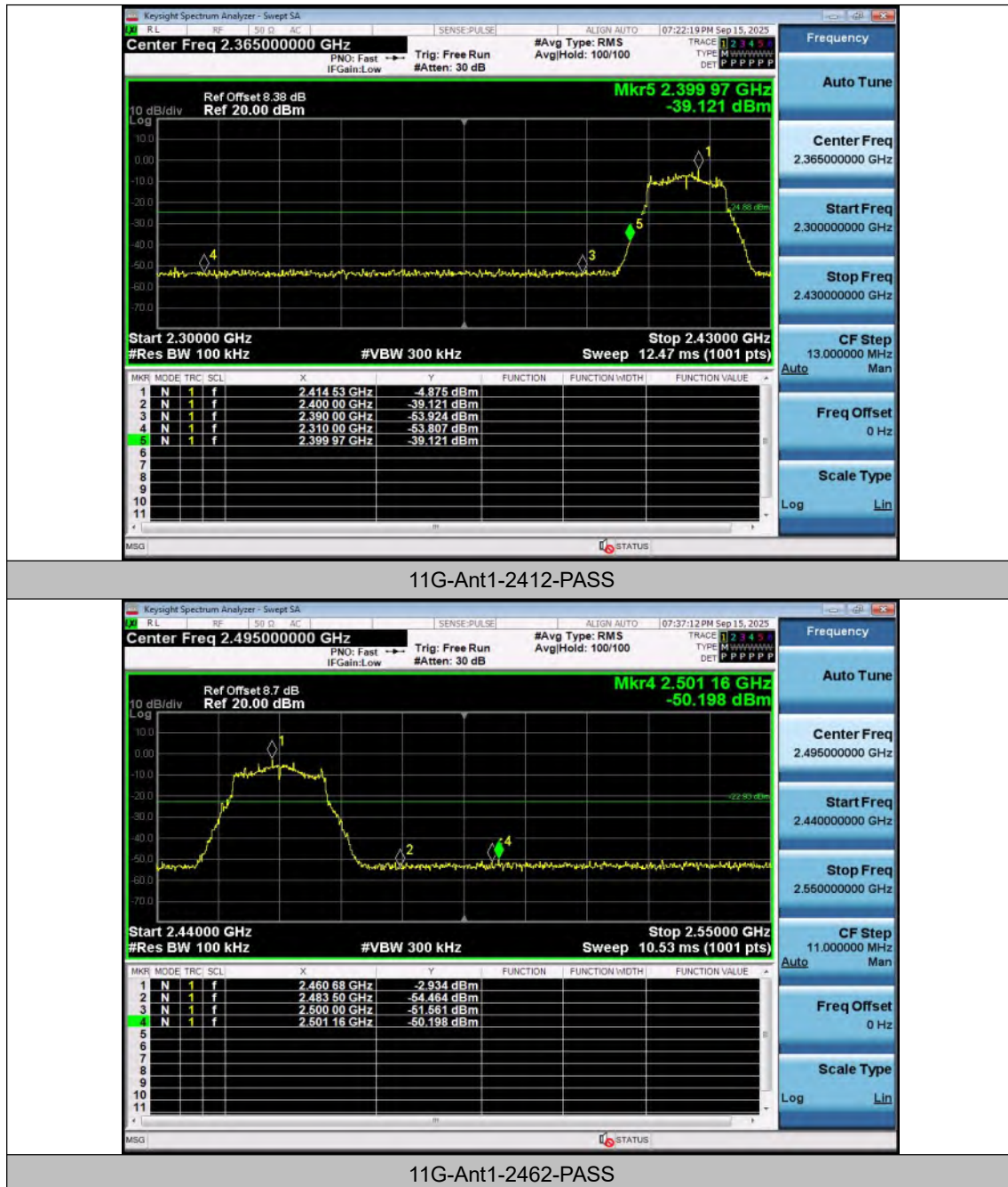




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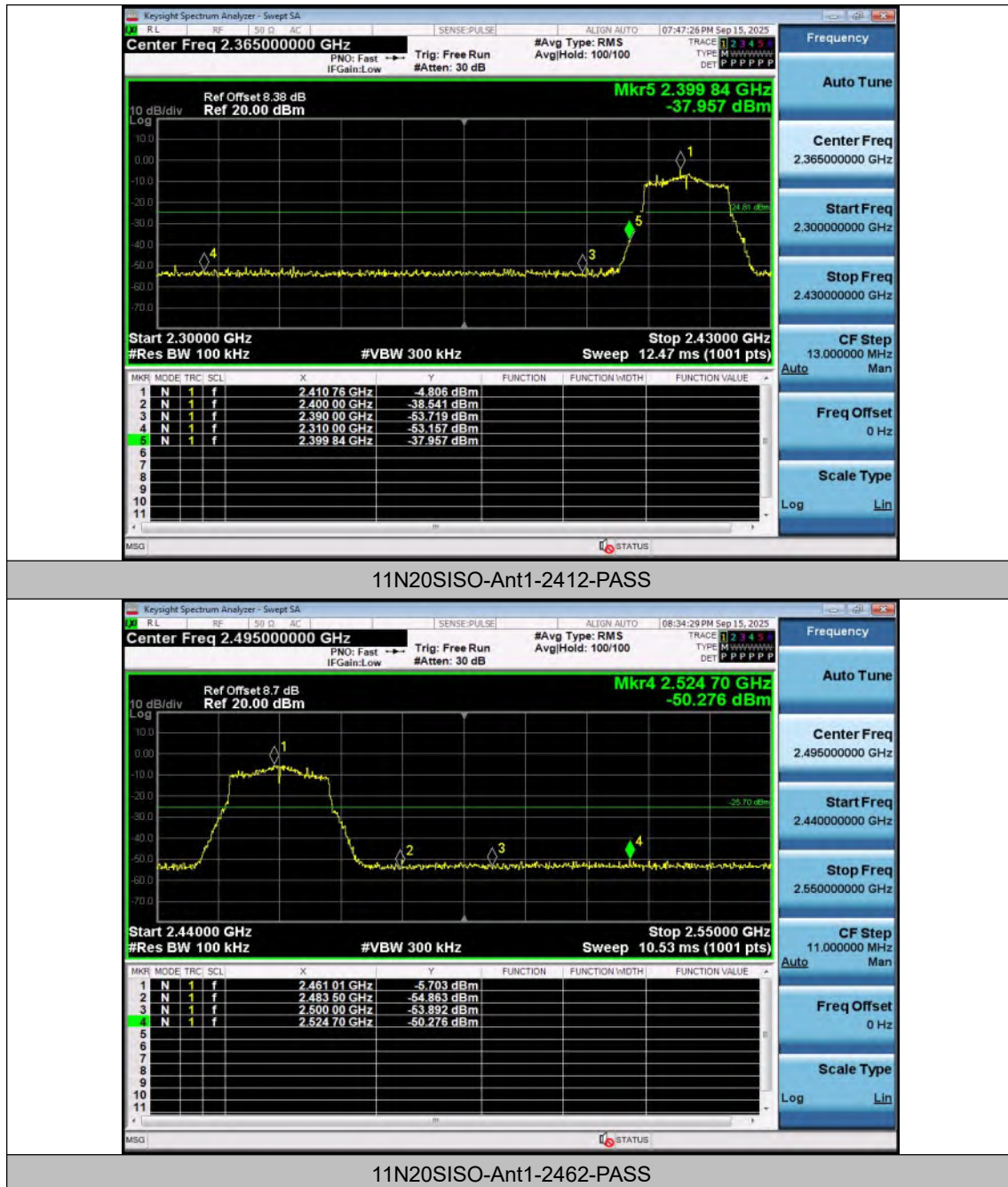




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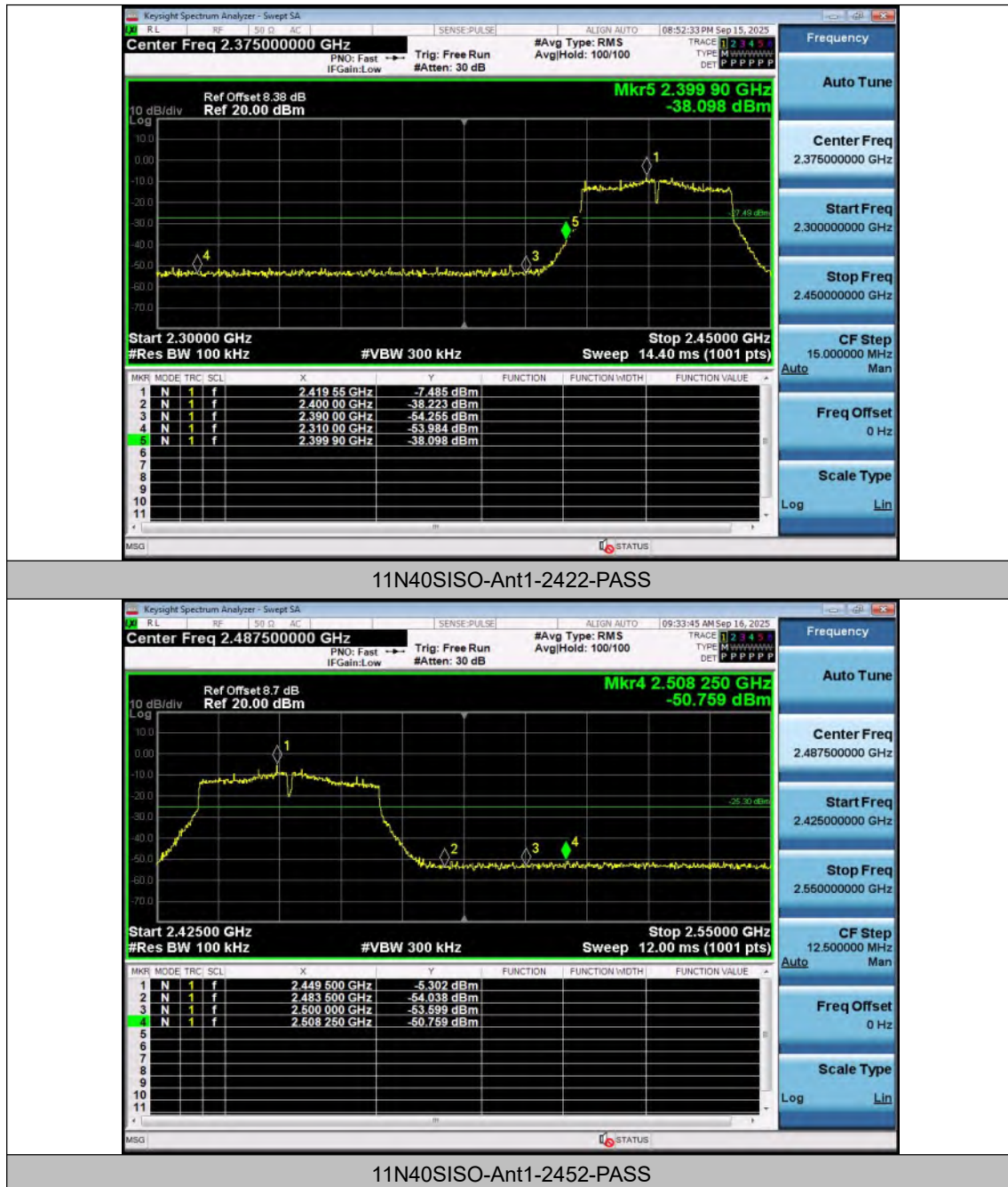




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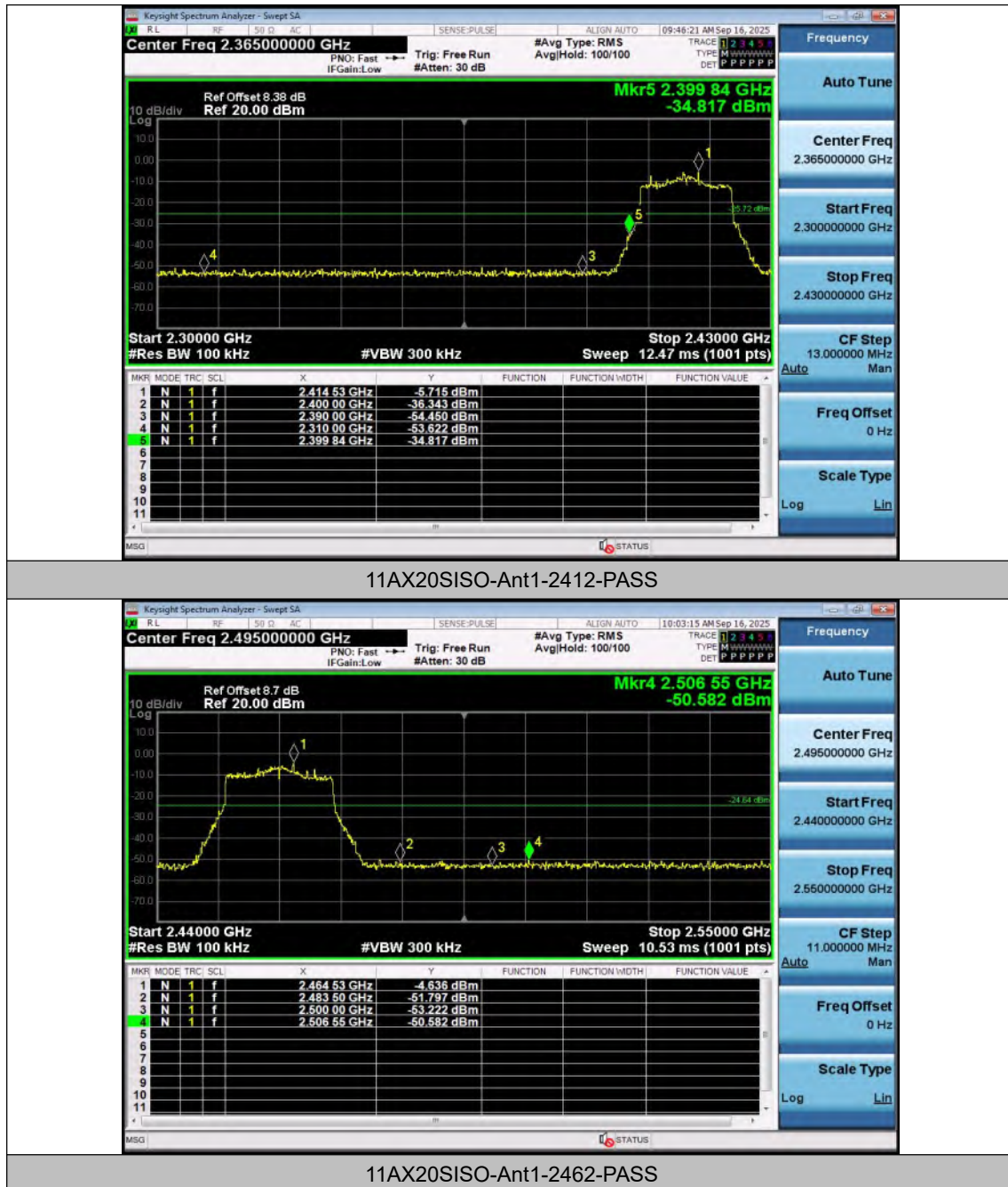




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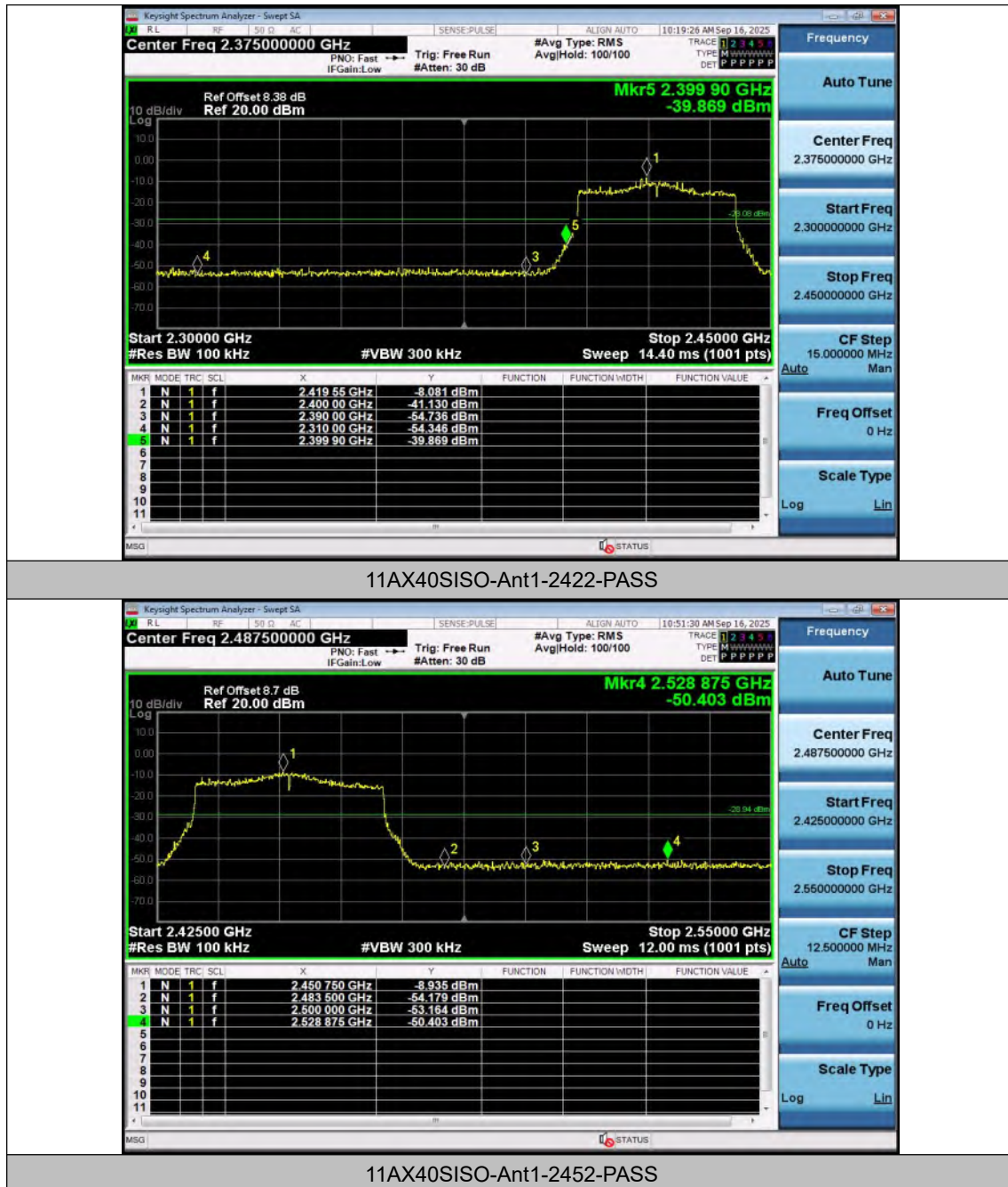




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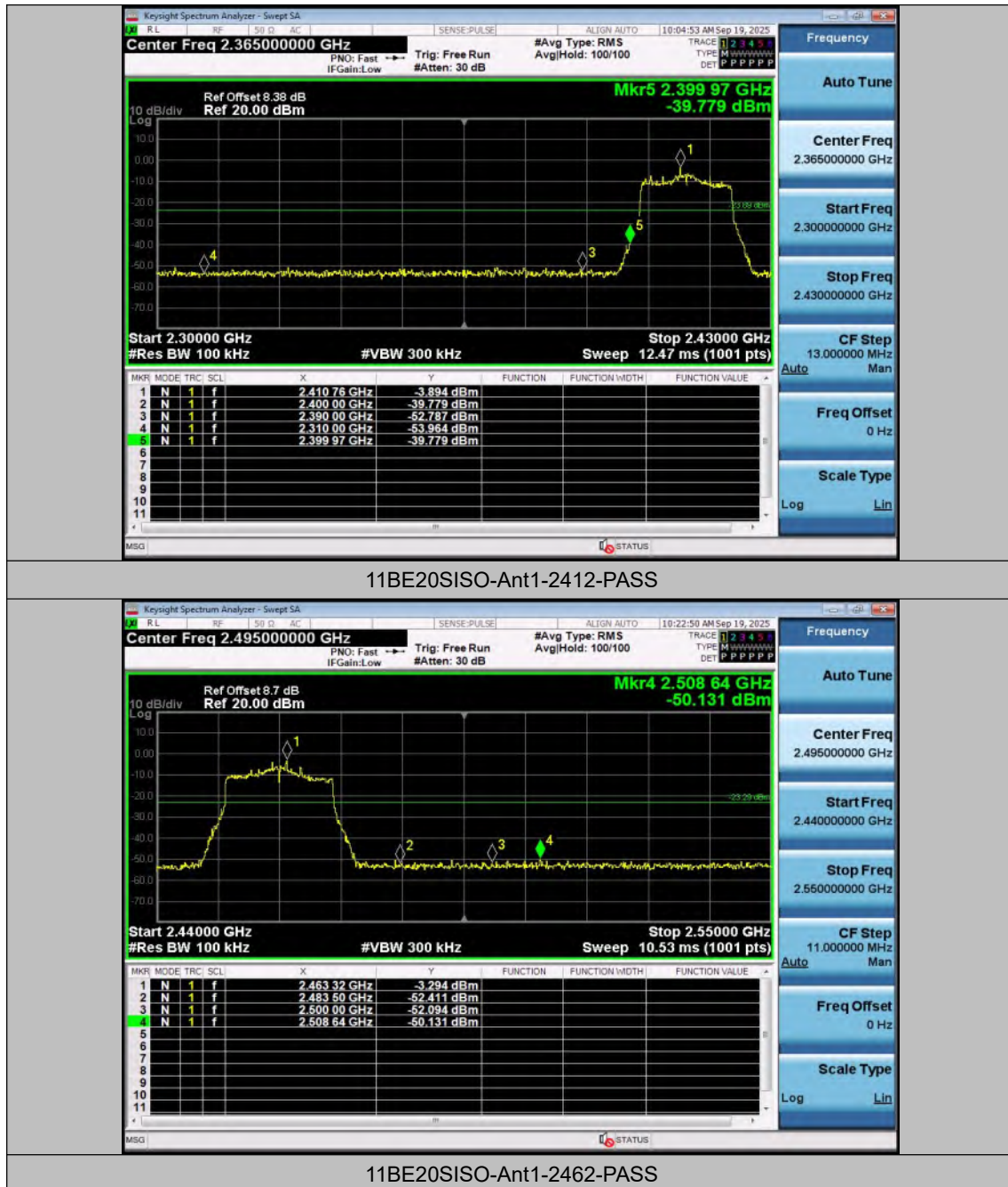




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## Ant 2

### Test Result

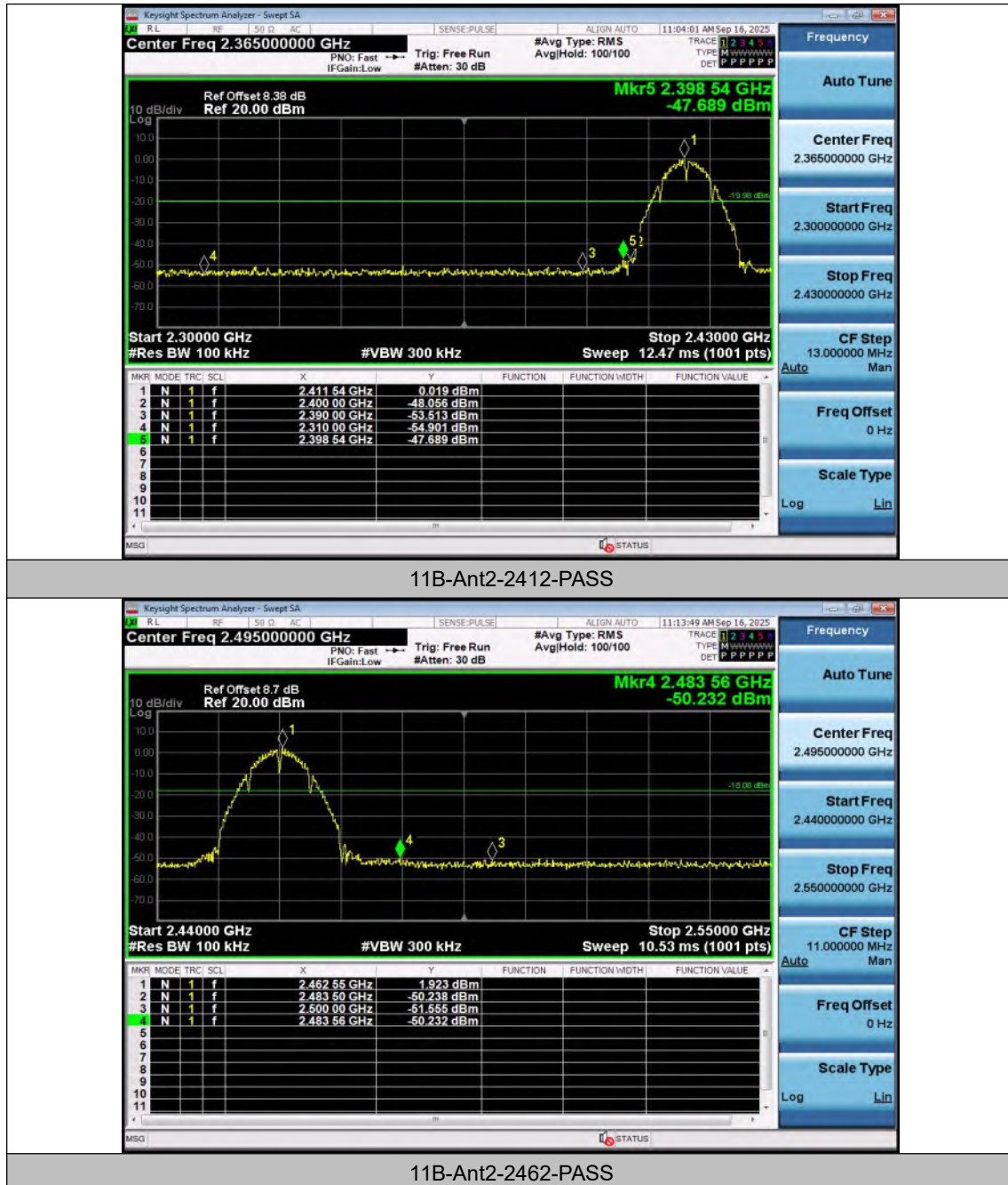
| TestMode   | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|------------|---------|--------|----------------|---------------|-------------|---------------|---------|
| 11B        | Ant2    | Low    | 2412           | 0.02          | -47.69      | $\leq -19.98$ | PASS    |
| 11B        | Ant2    | High   | 2462           | 1.92          | -50.23      | $\leq -18.08$ | PASS    |
| 11G        | Ant2    | Low    | 2412           | -7.11         | -36.07      | $\leq -27.11$ | PASS    |
| 11G        | Ant2    | High   | 2462           | -4.91         | -50.41      | $\leq -24.91$ | PASS    |
| 11N20SISO  | Ant2    | Low    | 2412           | -5.43         | -39.47      | $\leq -25.43$ | PASS    |
| 11N20SISO  | Ant2    | High   | 2462           | -2.90         | -49.87      | $\leq -22.9$  | PASS    |
| 11N40SISO  | Ant2    | Low    | 2422           | -6.48         | -38.76      | $\leq -26.48$ | PASS    |
| 11N40SISO  | Ant2    | High   | 2452           | -8.09         | -50.86      | $\leq -28.09$ | PASS    |
| 11AX20SISO | Ant2    | Low    | 2412           | -7.23         | -40.59      | $\leq -27.23$ | PASS    |
| 11AX20SISO | Ant2    | High   | 2462           | -4.38         | -50.4       | $\leq -24.38$ | PASS    |
| 11AX40SISO | Ant2    | Low    | 2422           | -8.41         | -40.2       | $\leq -28.41$ | PASS    |
| 11AX40SISO | Ant2    | High   | 2452           | -7.05         | -50.96      | $\leq -27.05$ | PASS    |
| 11BE20SISO | Ant2    | Low    | 2412           | -5.98         | -38.48      | $\leq -25.98$ | PASS    |
| 11BE20SISO | Ant2    | High   | 2462           | -4.77         | -49.98      | $\leq -24.77$ | PASS    |
| 11BE40SISO | Ant2    | Low    | 2422           | -7.64         | -37.38      | $\leq -27.64$ | PASS    |
| 11BE40SISO | Ant2    | High   | 2452           | -7.04         | -50.71      | $\leq -27.04$ | PASS    |



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## Test Graphs

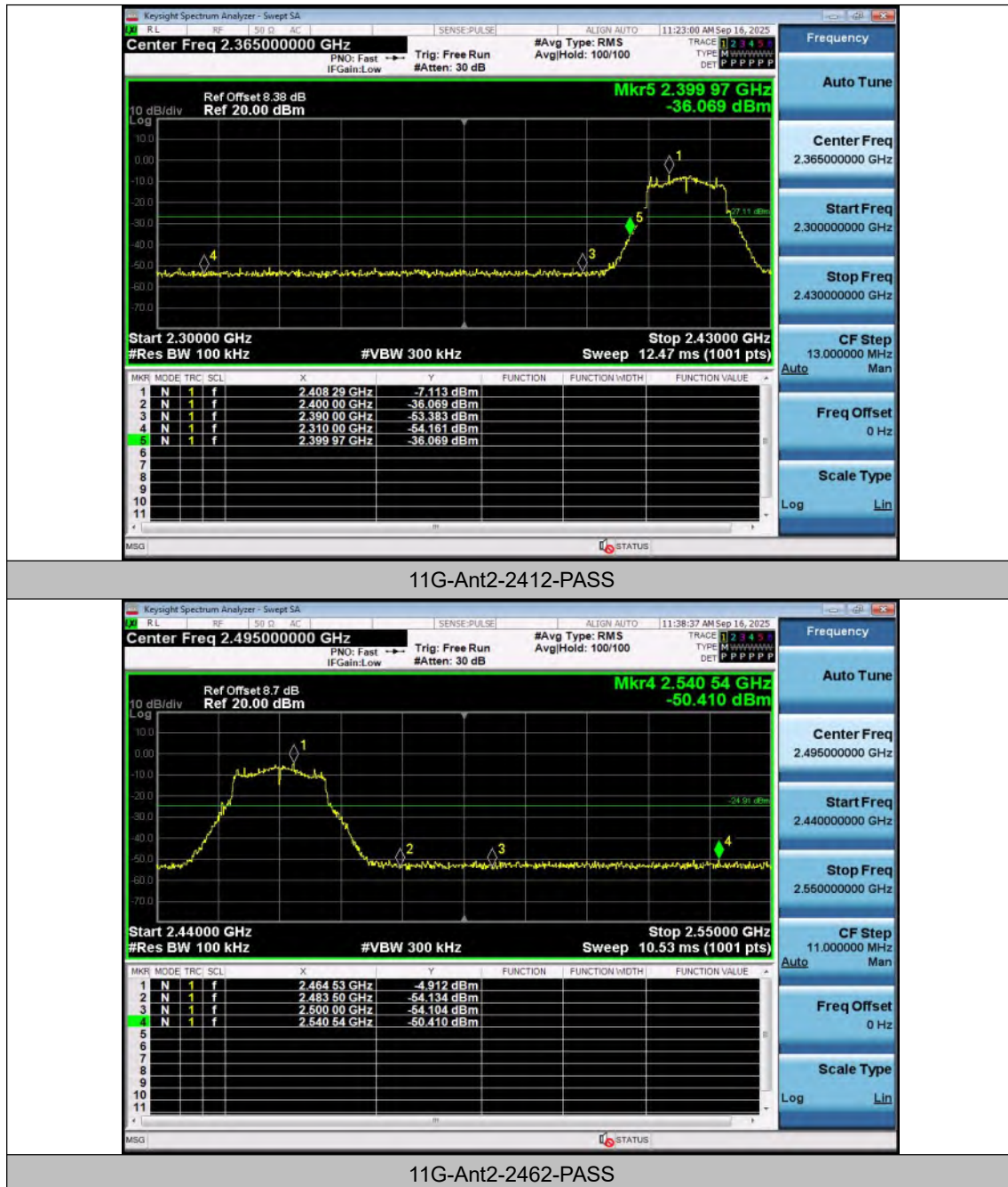




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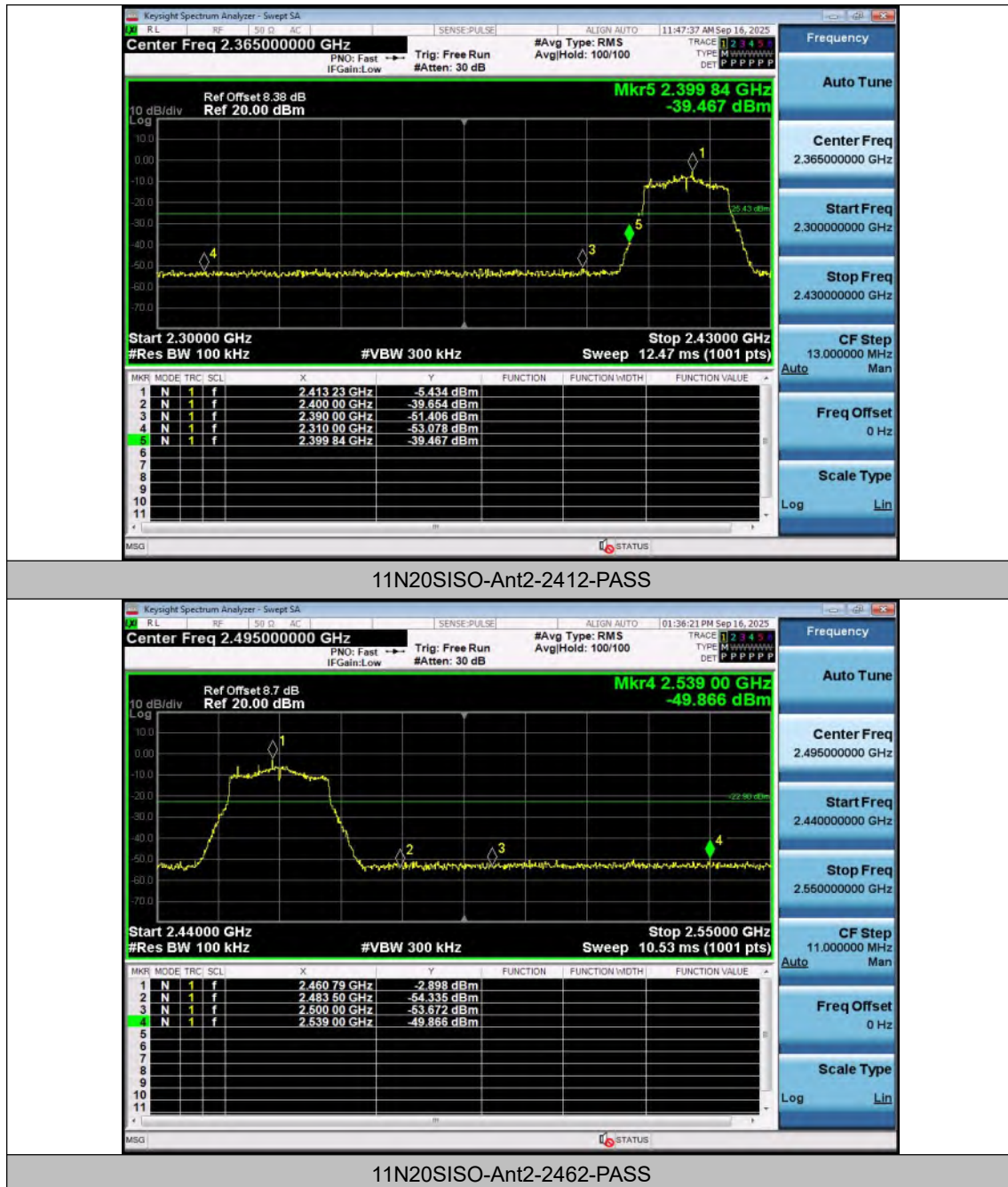




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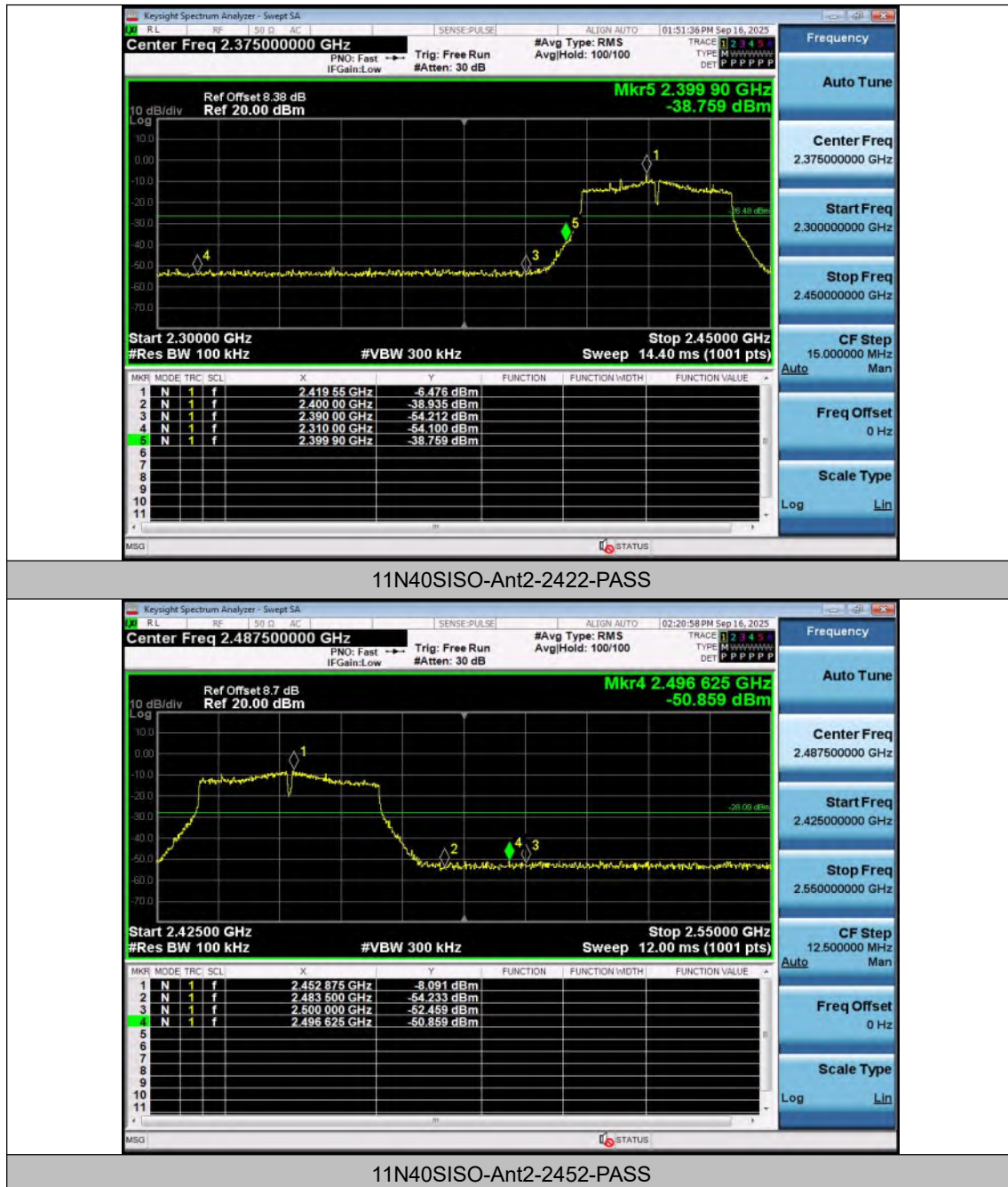




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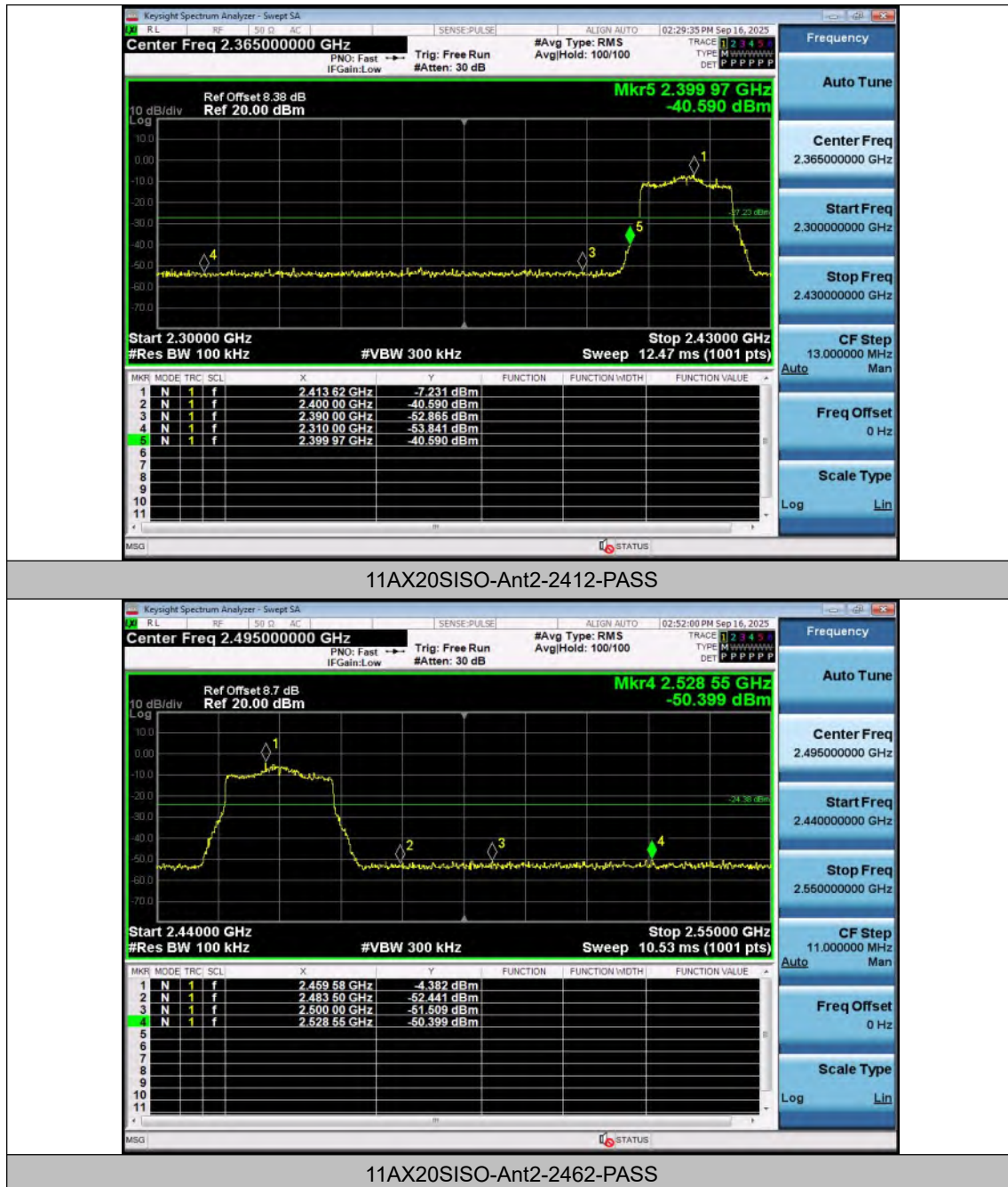




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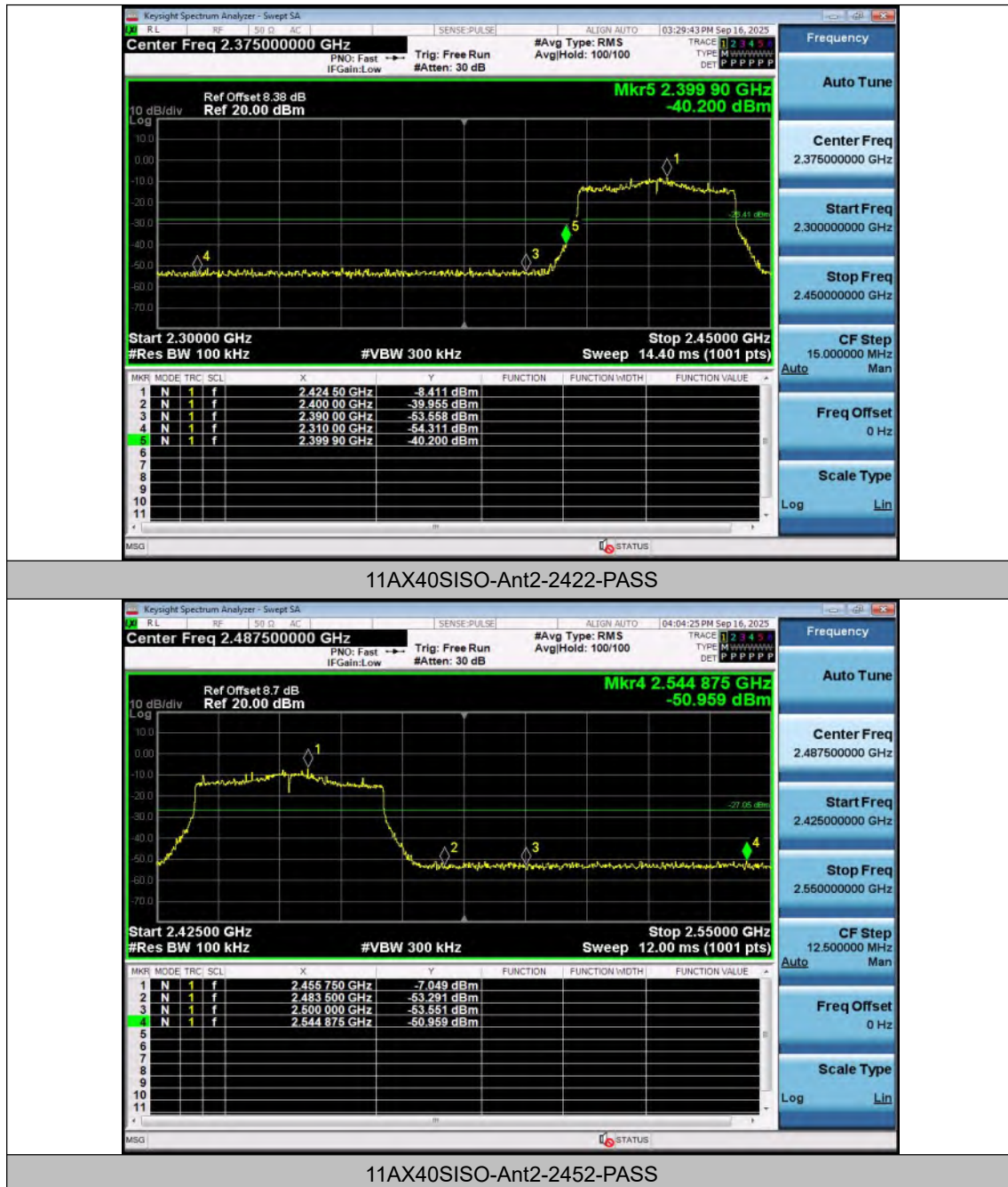




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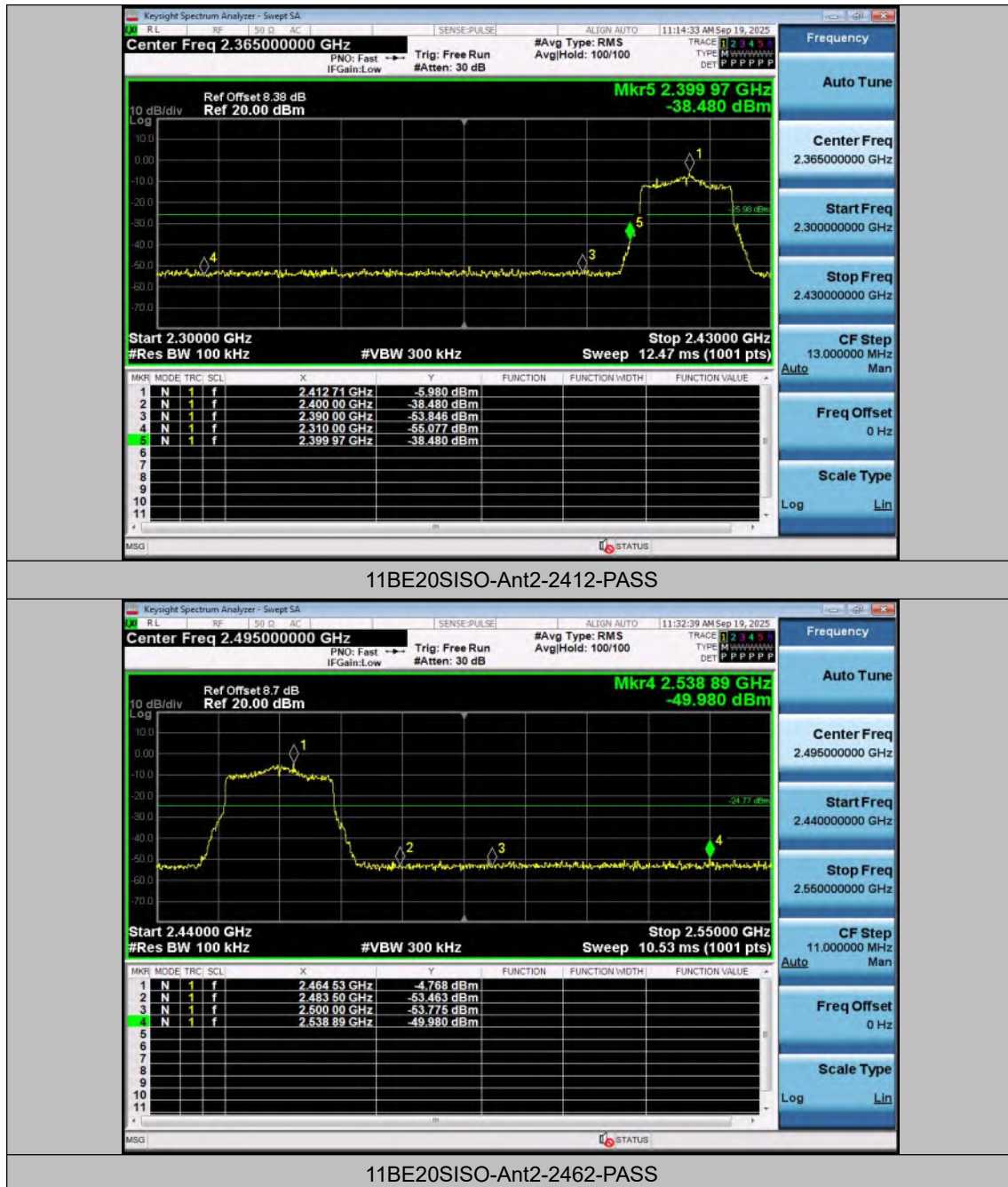




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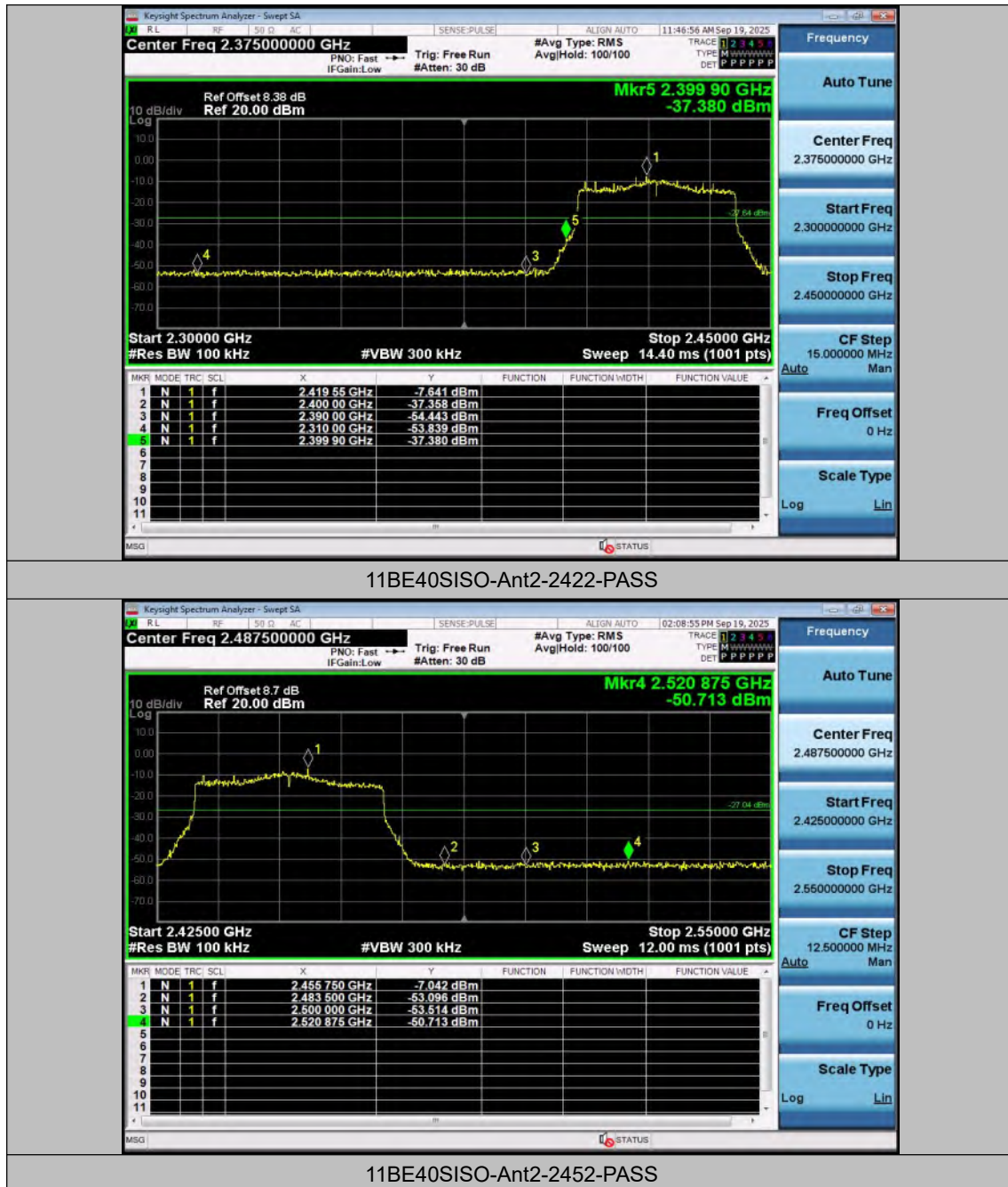




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## Appendix E: Conducted Spurious Emission

### Ant 1

#### Test Result

| Test Mode | Antenna | Frequency[MHz] | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| 11B       | Ant1    | 2412           | 0~Reference     | 1.17           | 1.17         | ---         | PASS    |
| 11B       | Ant1    | 2412           | 30~1000         | 1.17           | -63.61       | ≤-18.83     | PASS    |
| 11B       | Ant1    | 2412           | 1000~25000      | 1.17           | -45.44       | ≤-18.83     | PASS    |
| 11B       | Ant1    | 2437           | 0~Reference     | 2.79           | 2.79         | ---         | PASS    |
| 11B       | Ant1    | 2437           | 30~1000         | 2.79           | -63.74       | ≤-17.21     | PASS    |
| 11B       | Ant1    | 2437           | 1000~25000      | 2.79           | -45.75       | ≤-17.21     | PASS    |
| 11B       | Ant1    | 2462           | 0~Reference     | 3.57           | 3.57         | ---         | PASS    |
| 11B       | Ant1    | 2462           | 30~1000         | 3.57           | -63.75       | ≤-16.43     | PASS    |
| 11B       | Ant1    | 2462           | 1000~25000      | 3.57           | -44.25       | ≤-16.43     | PASS    |
| 11G       | Ant1    | 2412           | 0~Reference     | -5.64          | -5.64        | ---         | PASS    |
| 11G       | Ant1    | 2412           | 30~1000         | -5.64          | -64.14       | ≤-25.64     | PASS    |
| 11G       | Ant1    | 2412           | 1000~25000      | -5.64          | -45.18       | ≤-25.64     | PASS    |
| 11G       | Ant1    | 2437           | 0~Reference     | -2.48          | -2.48        | ---         | PASS    |
| 11G       | Ant1    | 2437           | 30~1000         | -2.48          | -63.59       | ≤-22.48     | PASS    |
| 11G       | Ant1    | 2437           | 1000~25000      | -2.48          | -45.4        | ≤-22.48     | PASS    |
| 11G       | Ant1    | 2462           | 0~Reference     | -4.69          | -4.69        | ---         | PASS    |
| 11G       | Ant1    | 2462           | 30~1000         | -4.69          | -62.88       | ≤-24.69     | PASS    |
| 11G       | Ant1    | 2462           | 1000~25000      | -4.69          | -45.24       | ≤-24.69     | PASS    |
| 11N20SISO | Ant1    | 2412           | 0~Reference     | -6.60          | -6.60        | ---         | PASS    |
| 11N20SISO | Ant1    | 2412           | 30~1000         | -6.60          | -64.18       | ≤-26.6      | PASS    |
| 11N20SISO | Ant1    | 2412           | 1000~25000      | -6.60          | -45.57       | ≤-26.6      | PASS    |
| 11N20SISO | Ant1    | 2437           | 0~Reference     | -5.94          | -5.94        | ---         | PASS    |
| 11N20SISO | Ant1    | 2437           | 30~1000         | -5.94          | -63.3        | ≤-25.94     | PASS    |
| 11N20SISO | Ant1    | 2437           | 1000~25000      | -5.94          | -45.05       | ≤-25.94     | PASS    |
| 11N20SISO | Ant1    | 2462           | 0~Reference     | -5.38          | -5.38        | ---         | PASS    |
| 11N20SISO | Ant1    | 2462           | 30~1000         | -5.38          | -63.09       | ≤-25.38     | PASS    |
| 11N20SISO | Ant1    | 2462           | 1000~25000      | -5.38          | -44.72       | ≤-25.38     | PASS    |
| 11N40SISO | Ant1    | 2422           | 0~Reference     | -6.10          | -6.10        | ---         | PASS    |
| 11N40SISO | Ant1    | 2422           | 30~1000         | -6.10          | -62.94       | ≤-26.1      | PASS    |
| 11N40SISO | Ant1    | 2422           | 1000~25000      | -6.10          | -44.51       | ≤-26.1      | PASS    |
| 11N40SISO | Ant1    | 2437           | 0~Reference     | -8.06          | -8.06        | ---         | PASS    |
| 11N40SISO | Ant1    | 2437           | 30~1000         | -8.06          | -63.73       | ≤-28.06     | PASS    |
| 11N40SISO | Ant1    | 2437           | 1000~25000      | -8.06          | -44.82       | ≤-28.06     | PASS    |



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|            |      |      |             |       |        |         |      |
|------------|------|------|-------------|-------|--------|---------|------|
| 11N40SISO  | Ant1 | 2452 | 0~Reference | -6.57 | -6.57  | ---     | PASS |
| 11N40SISO  | Ant1 | 2452 | 30~1000     | -6.57 | -63.85 | ≤-26.57 | PASS |
| 11N40SISO  | Ant1 | 2452 | 1000~25000  | -6.57 | -44.58 | ≤-26.57 | PASS |
| 11AX20SISO | Ant1 | 2412 | 0~Reference | -7.67 | -7.67  | ---     | PASS |
| 11AX20SISO | Ant1 | 2412 | 30~1000     | -7.67 | -63.99 | ≤-27.67 | PASS |
| 11AX20SISO | Ant1 | 2412 | 1000~25000  | -7.67 | -45.34 | ≤-27.67 | PASS |
| 11AX20SISO | Ant1 | 2437 | 0~Reference | -5.88 | -5.88  | ---     | PASS |
| 11AX20SISO | Ant1 | 2437 | 30~1000     | -5.88 | -64.19 | ≤-25.88 | PASS |
| 11AX20SISO | Ant1 | 2437 | 1000~25000  | -5.88 | -45.35 | ≤-25.88 | PASS |
| 11AX20SISO | Ant1 | 2462 | 0~Reference | -5.71 | -5.71  | ---     | PASS |
| 11AX20SISO | Ant1 | 2462 | 30~1000     | -5.71 | -62.7  | ≤-25.71 | PASS |
| 11AX20SISO | Ant1 | 2462 | 1000~25000  | -5.71 | -45.44 | ≤-25.71 | PASS |
| 11AX40SISO | Ant1 | 2422 | 0~Reference | -8.79 | -8.79  | ---     | PASS |
| 11AX40SISO | Ant1 | 2422 | 30~1000     | -8.79 | -63.73 | ≤-28.79 | PASS |
| 11AX40SISO | Ant1 | 2422 | 1000~25000  | -8.79 | -45.5  | ≤-28.79 | PASS |
| 11AX40SISO | Ant1 | 2437 | 0~Reference | -9.15 | -9.15  | ---     | PASS |
| 11AX40SISO | Ant1 | 2437 | 30~1000     | -9.15 | -63.59 | ≤-29.15 | PASS |
| 11AX40SISO | Ant1 | 2437 | 1000~25000  | -9.15 | -45.05 | ≤-29.15 | PASS |
| 11AX40SISO | Ant1 | 2452 | 0~Reference | -8.20 | -8.20  | ---     | PASS |
| 11AX40SISO | Ant1 | 2452 | 30~1000     | -8.20 | -64.1  | ≤-28.2  | PASS |
| 11AX40SISO | Ant1 | 2452 | 1000~25000  | -8.20 | -44.88 | ≤-28.2  | PASS |
| 11BE20SISO | Ant1 | 2412 | 0~Reference | -6.25 | -6.25  | ---     | PASS |
| 11BE20SISO | Ant1 | 2412 | 30~1000     | -6.25 | -63.64 | ≤-26.25 | PASS |
| 11BE20SISO | Ant1 | 2412 | 1000~25000  | -6.25 | -45.09 | ≤-26.25 | PASS |
| 11BE20SISO | Ant1 | 2437 | 0~Reference | -5.08 | -5.08  | ---     | PASS |
| 11BE20SISO | Ant1 | 2437 | 30~1000     | -5.08 | -62.77 | ≤-25.08 | PASS |
| 11BE20SISO | Ant1 | 2437 | 1000~25000  | -5.08 | -45.24 | ≤-25.08 | PASS |
| 11BE20SISO | Ant1 | 2462 | 0~Reference | -5.48 | -5.48  | ---     | PASS |
| 11BE20SISO | Ant1 | 2462 | 30~1000     | -5.48 | -63.68 | ≤-25.48 | PASS |
| 11BE20SISO | Ant1 | 2462 | 1000~25000  | -5.48 | -45.59 | ≤-25.48 | PASS |
| 11BE40SISO | Ant1 | 2422 | 0~Reference | -7.05 | -7.05  | ---     | PASS |
| 11BE40SISO | Ant1 | 2422 | 30~1000     | -7.05 | -63.53 | ≤-27.05 | PASS |
| 11BE40SISO | Ant1 | 2422 | 1000~25000  | -7.05 | -45.11 | ≤-27.05 | PASS |
| 11BE40SISO | Ant1 | 2437 | 0~Reference | -7.68 | -7.68  | ---     | PASS |
| 11BE40SISO | Ant1 | 2437 | 30~1000     | -7.68 | -63.64 | ≤-27.68 | PASS |
| 11BE40SISO | Ant1 | 2437 | 1000~25000  | -7.68 | -44.9  | ≤-27.68 | PASS |
| 11BE40SISO | Ant1 | 2452 | 0~Reference | -7.94 | -7.94  | ---     | PASS |
| 11BE40SISO | Ant1 | 2452 | 30~1000     | -7.94 | -63.87 | ≤-27.94 | PASS |
| 11BE40SISO | Ant1 | 2452 | 1000~25000  | -7.94 | -45.07 | ≤-27.94 | PASS |

Remark: The test results including the cable loss + power divider loss.



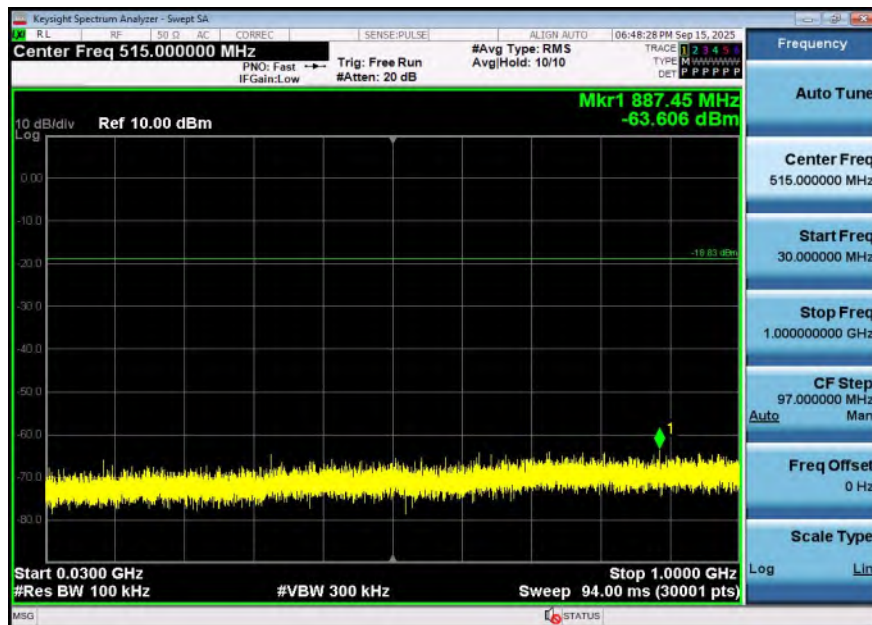
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## Test Graphs



11B-Ant1-2412-0~Reference-PASS

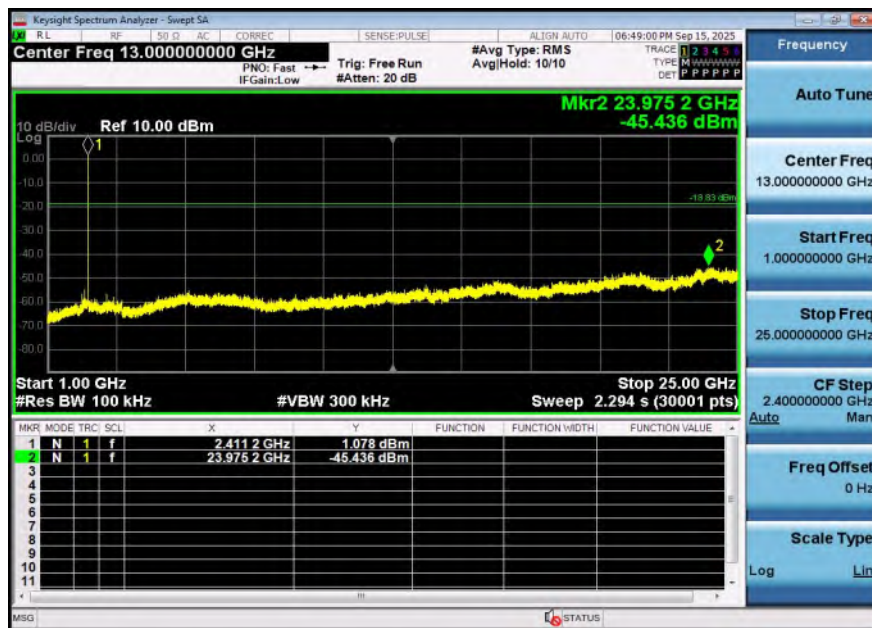


11B-Ant1-2412-30~1000-PASS



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11B-Ant1-2412-1000~25000-PASS



11B-Ant1-2437-0~Reference-PASS