

## Appendix Test Data

|                  |                    |                    |                    |
|------------------|--------------------|--------------------|--------------------|
| Report No.:      | 1812C40139212503   | Test Sample No.:   | 1-2-2              |
| Start Test Date: | 2024.11.12         | Finish Test Date:  | 2024.11.22         |
| Test Engineer:   | <i>Joker Huang</i> | Auditor:           | <i>Justin Feng</i> |
| Temperature:     | 24.9°C             | Relative Humidity: | 51%                |
| Pressure:        | 101kPa             |                    |                    |

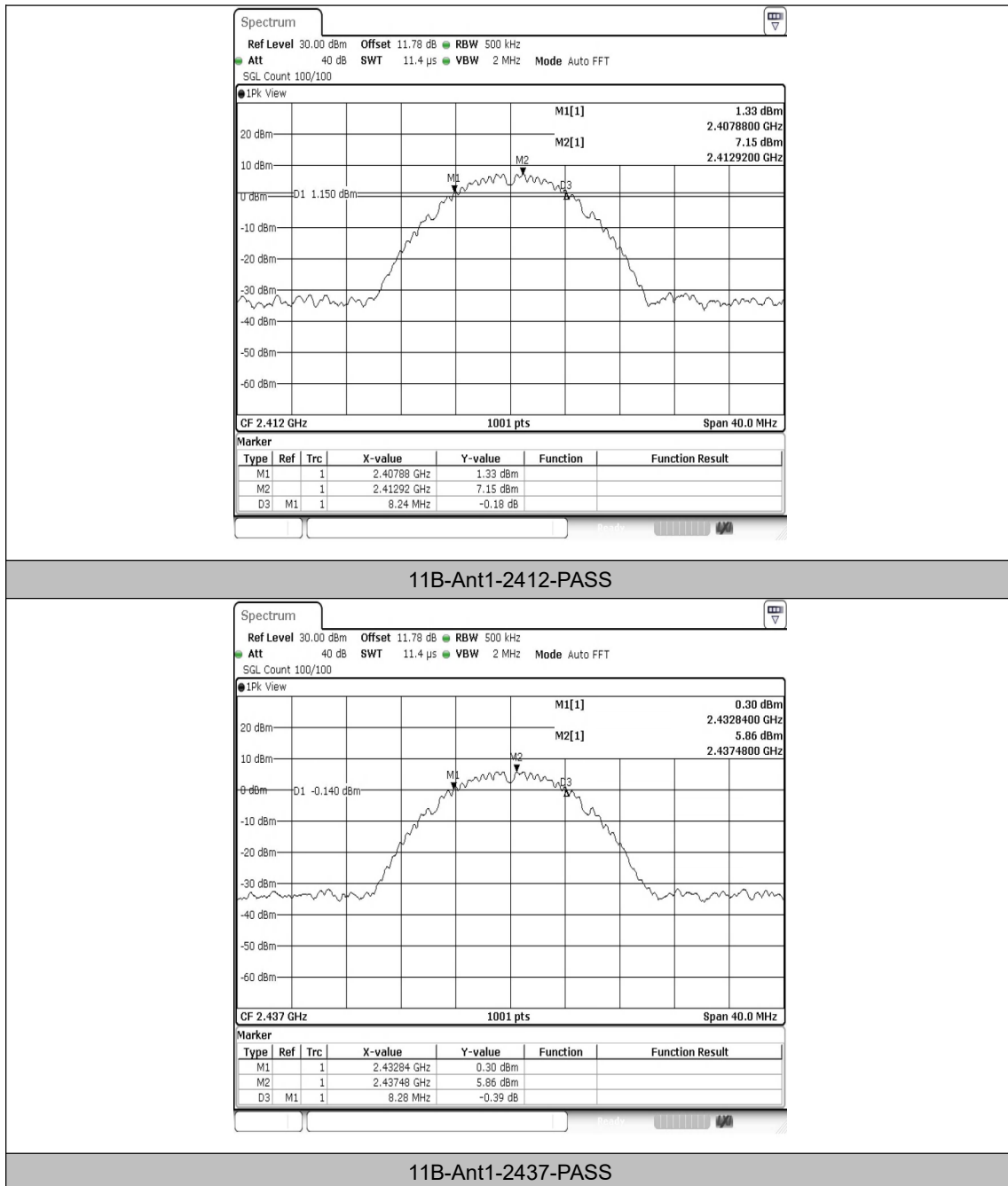
## Appendix A: 6dB Bandwidth

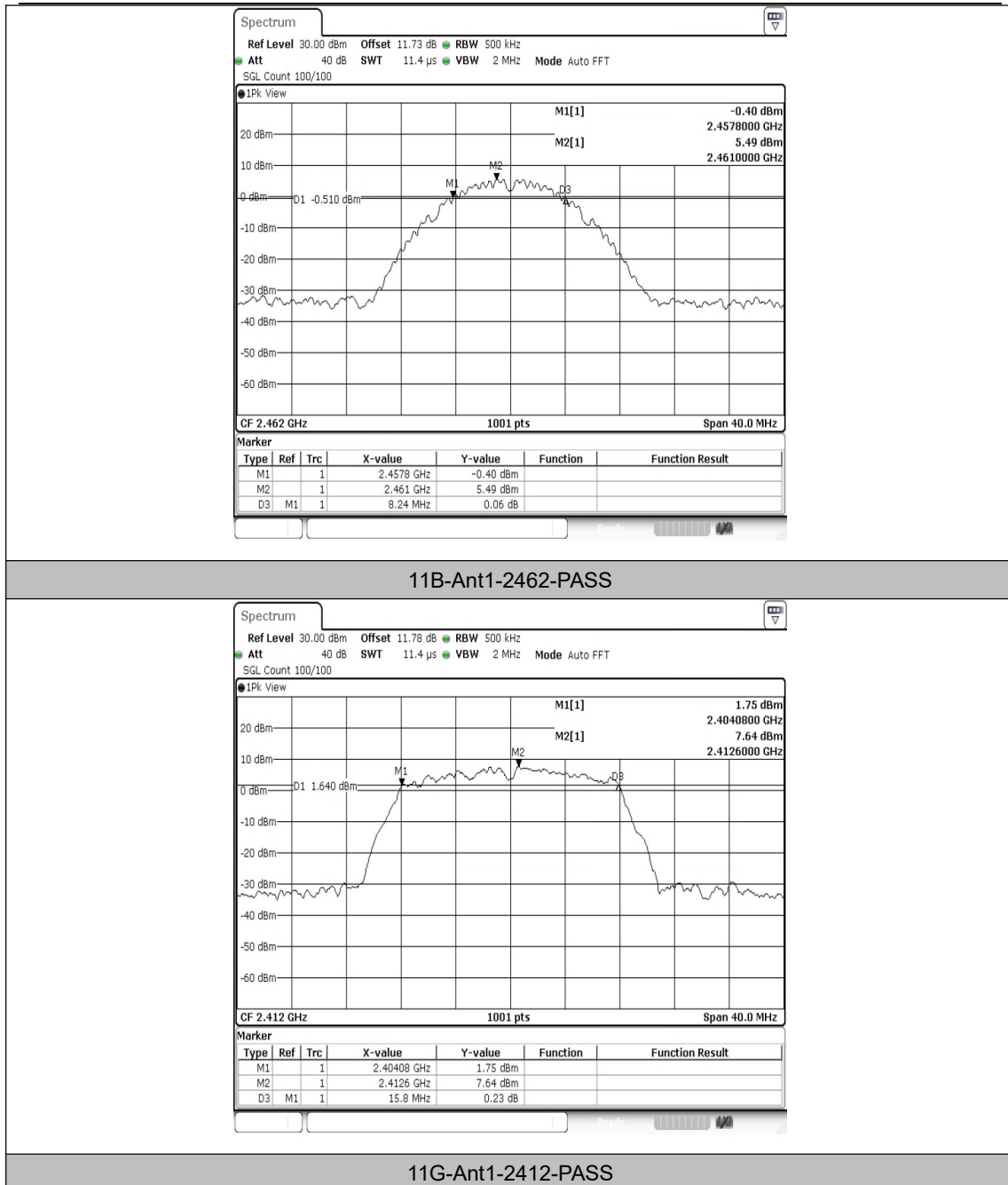
### Test Result

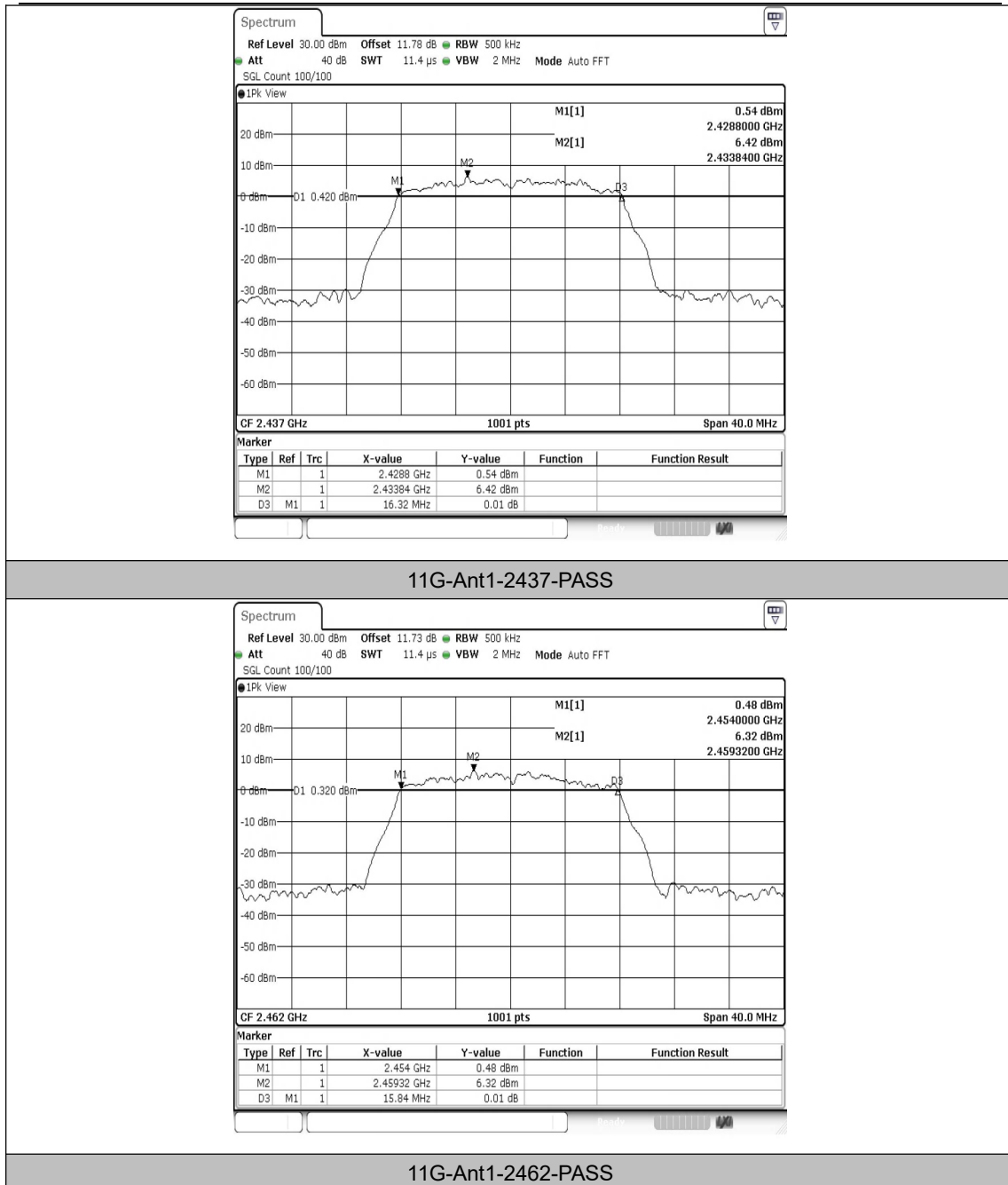
| Test Mode  | Antenna | Frequency[MHz] | 6dB BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|------------|---------|----------------|--------------|---------|---------|------------|---------|
| 11B        | Ant1    | 2412           | 8.24         | 2407.88 | 2416.12 | 0.5        | PASS    |
| 11B        | Ant1    | 2437           | 8.28         | 2432.84 | 2441.12 | 0.5        | PASS    |
| 11B        | Ant1    | 2462           | 8.24         | 2457.80 | 2466.04 | 0.5        | PASS    |
| 11G        | Ant1    | 2412           | 15.80        | 2404.08 | 2419.88 | 0.5        | PASS    |
| 11G        | Ant1    | 2437           | 16.32        | 2428.80 | 2445.12 | 0.5        | PASS    |
| 11G        | Ant1    | 2462           | 15.84        | 2454.00 | 2469.84 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 2412           | 17.04        | 2403.52 | 2420.56 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 2437           | 17.20        | 2428.32 | 2445.52 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 2462           | 17.08        | 2453.36 | 2470.44 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 2422           | 34.72        | 2405.12 | 2439.84 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 2437           | 35.76        | 2419.08 | 2454.84 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 2452           | 34.72        | 2434.00 | 2468.72 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 2412           | 18.44        | 2402.96 | 2421.40 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 2437           | 18.84        | 2427.44 | 2446.28 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 2462           | 18.84        | 2452.52 | 2471.36 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 2422           | 37.36        | 2403.12 | 2440.48 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 2437           | 37.12        | 2418.52 | 2455.64 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 2452           | 35.68        | 2433.28 | 2468.96 | 0.5        | PASS    |

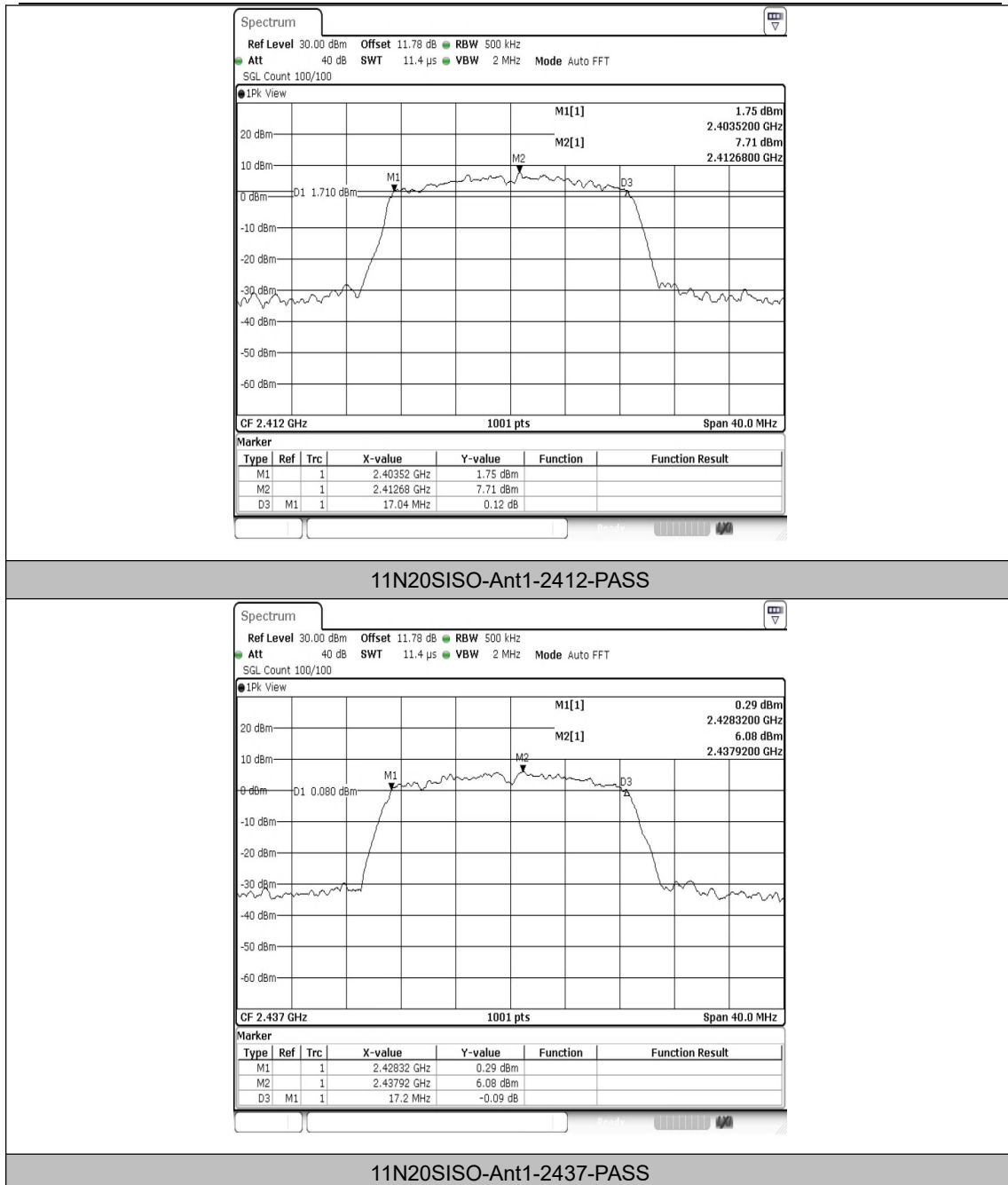


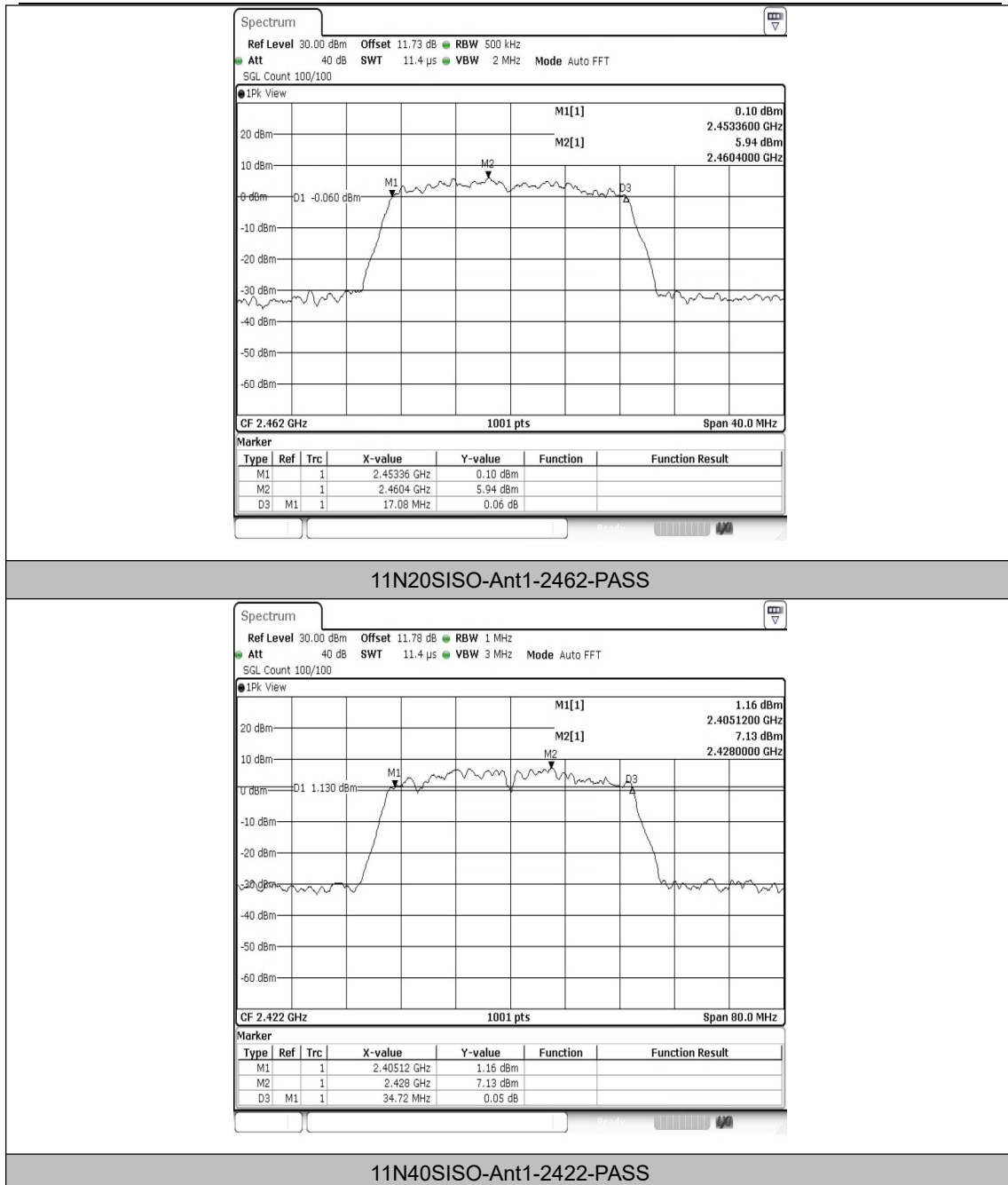
## Test Graphs

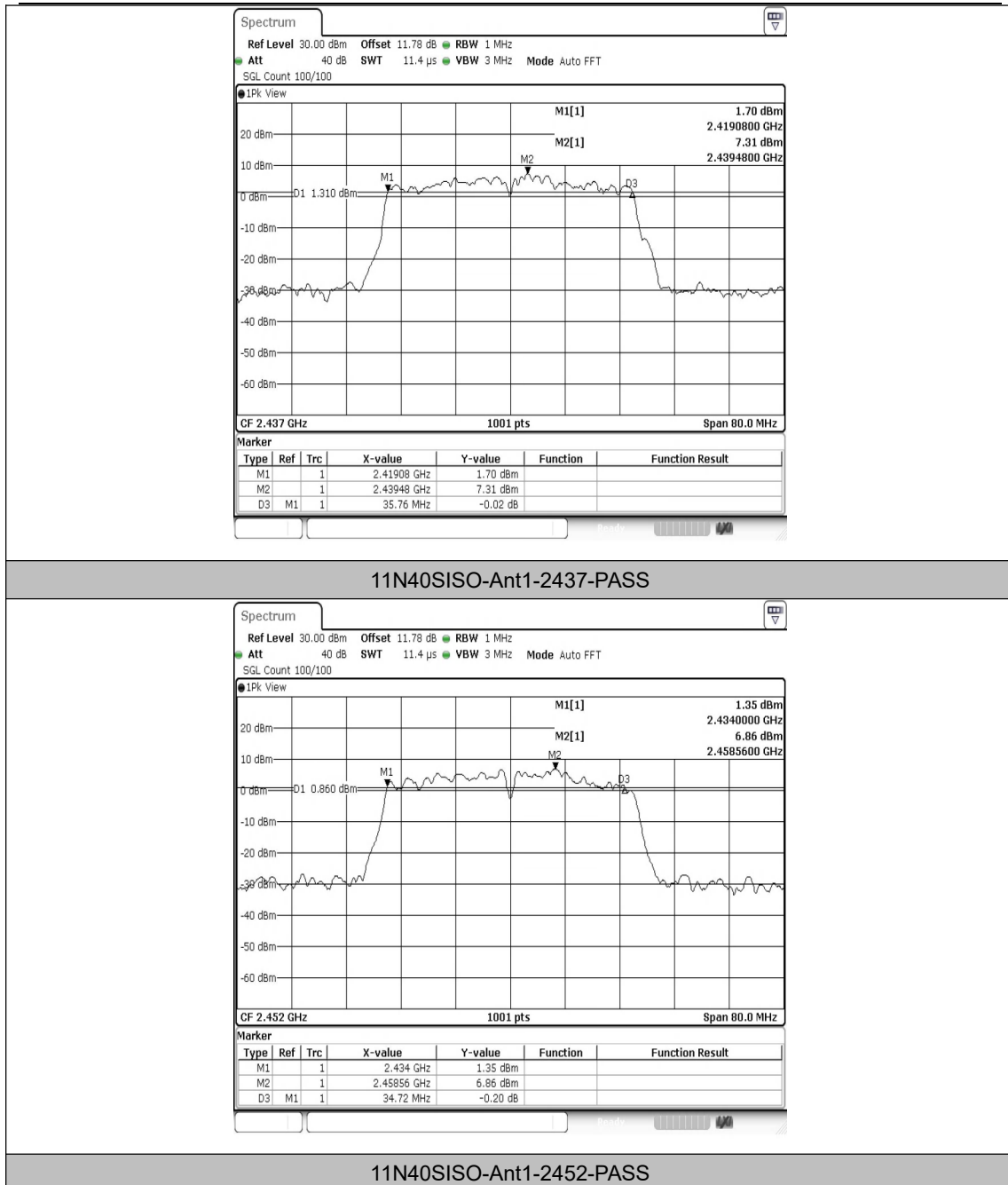


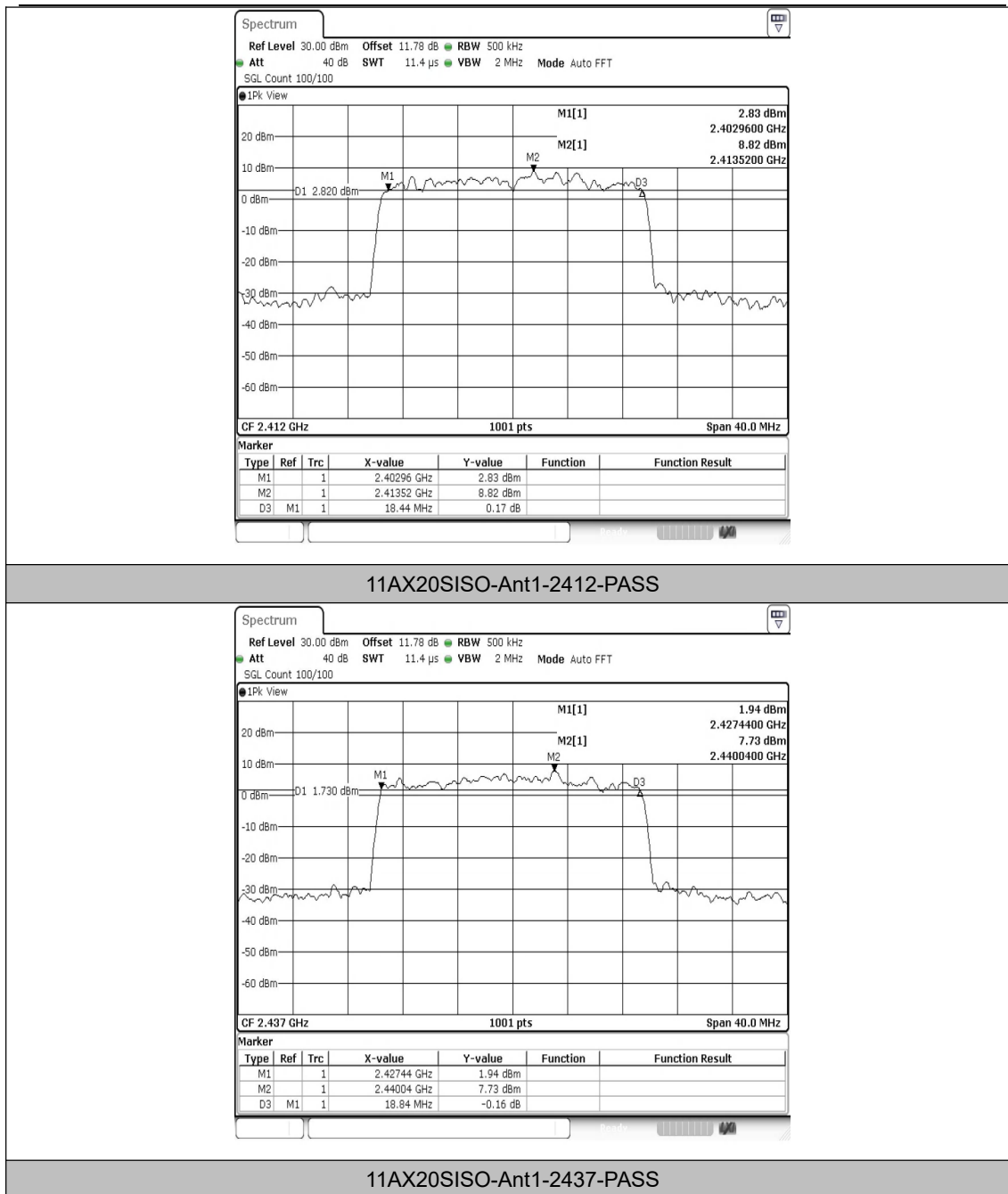


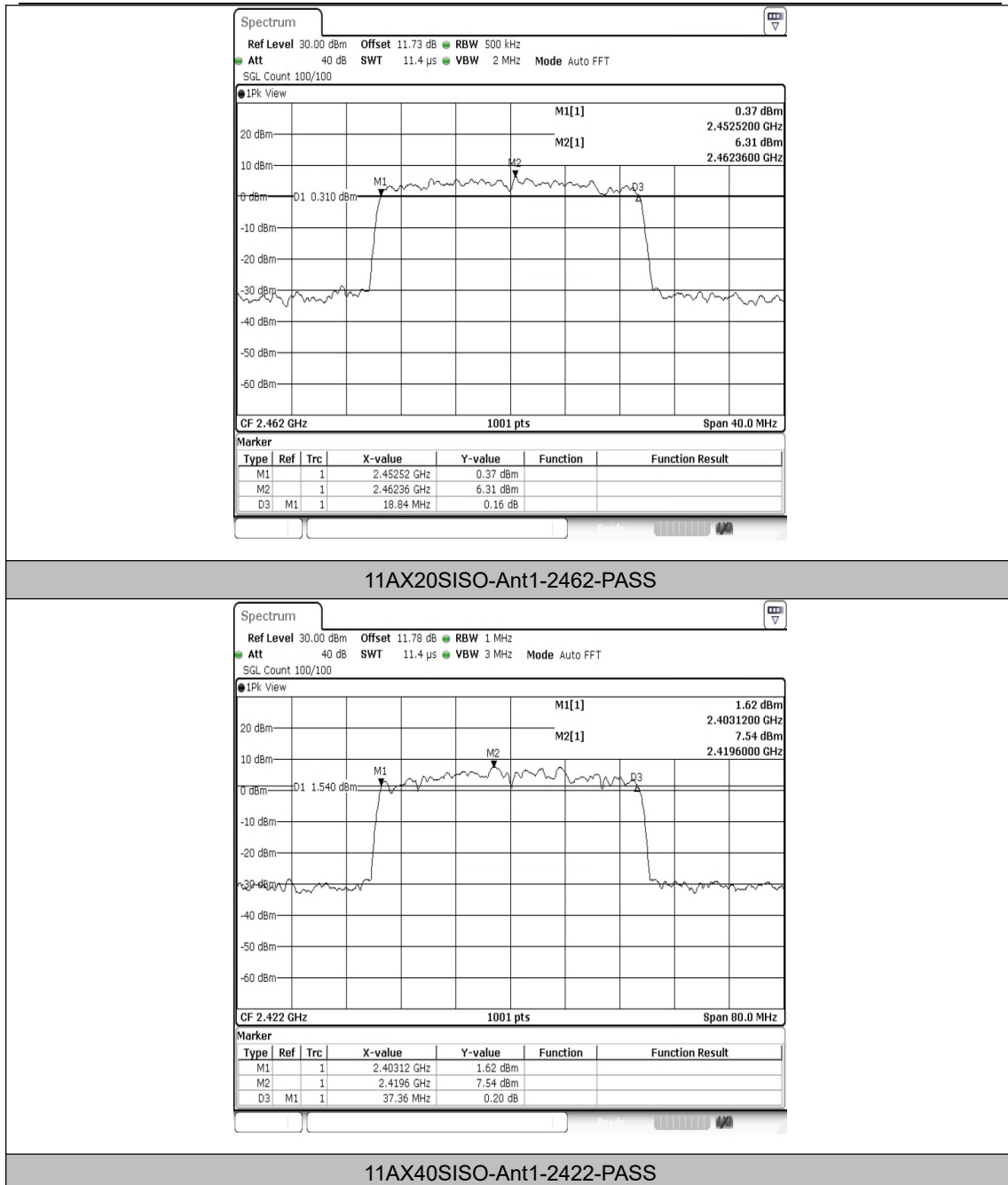


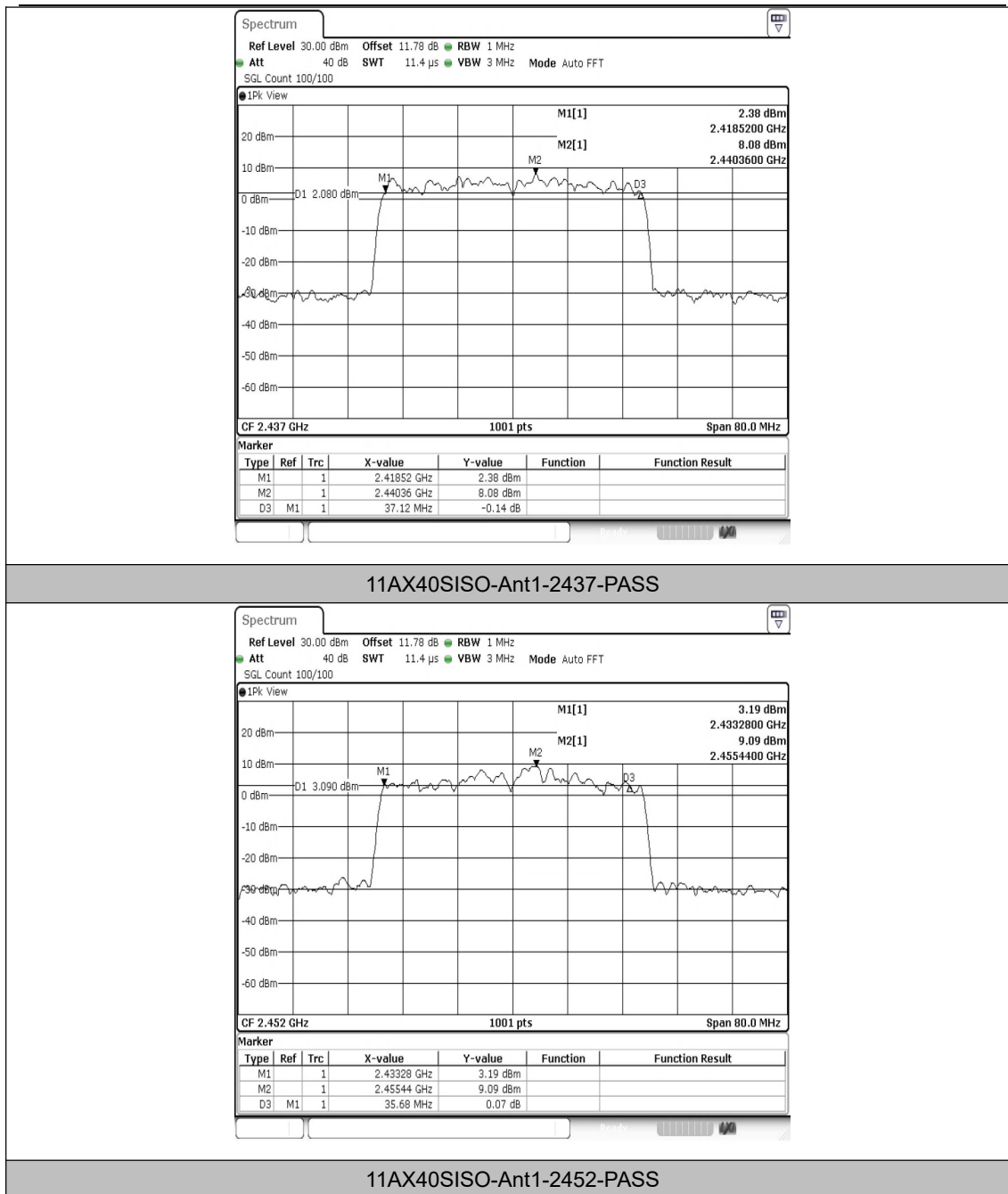












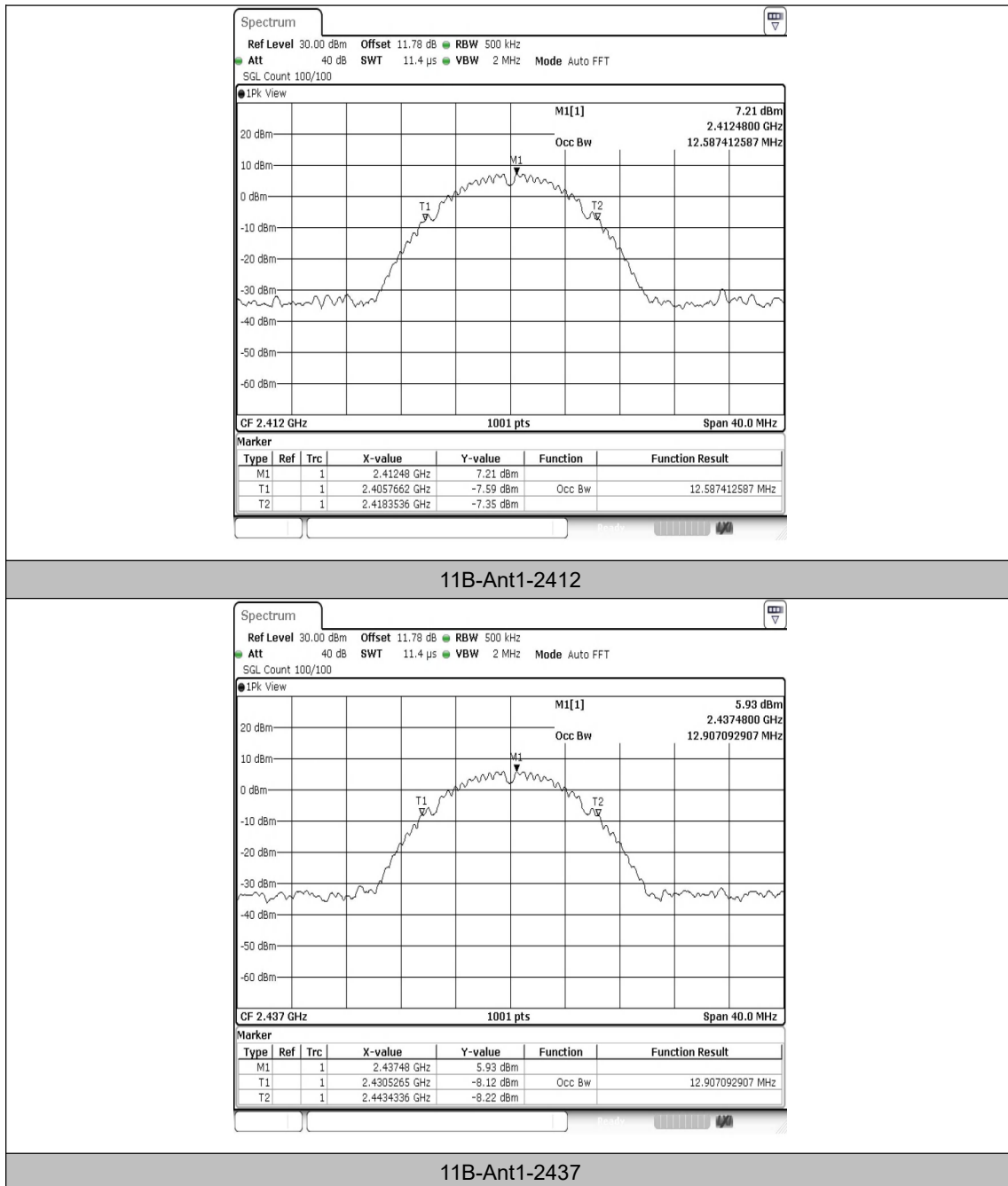
## Appendix B: 99% Occupied Bandwidth

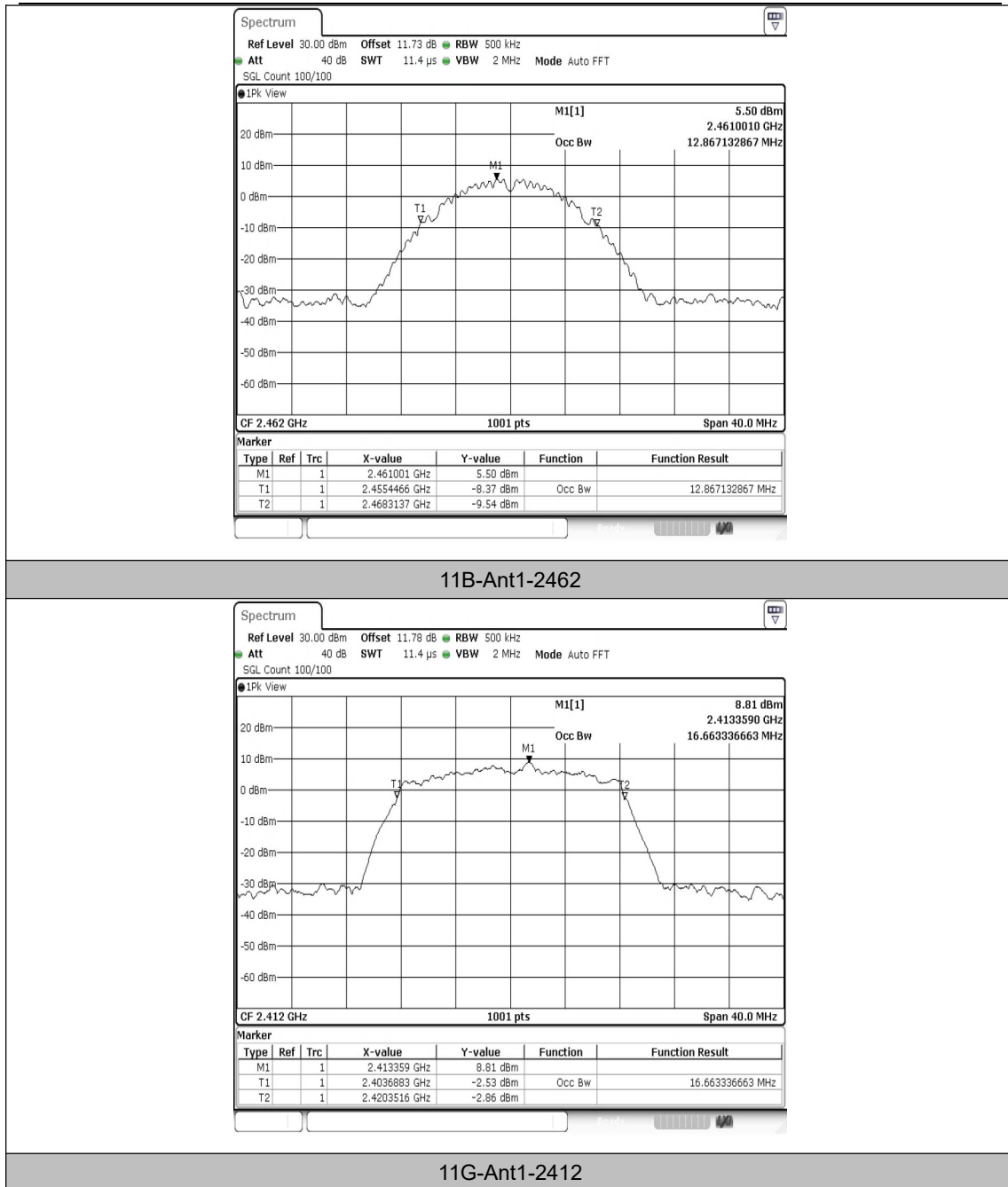
### Test Result

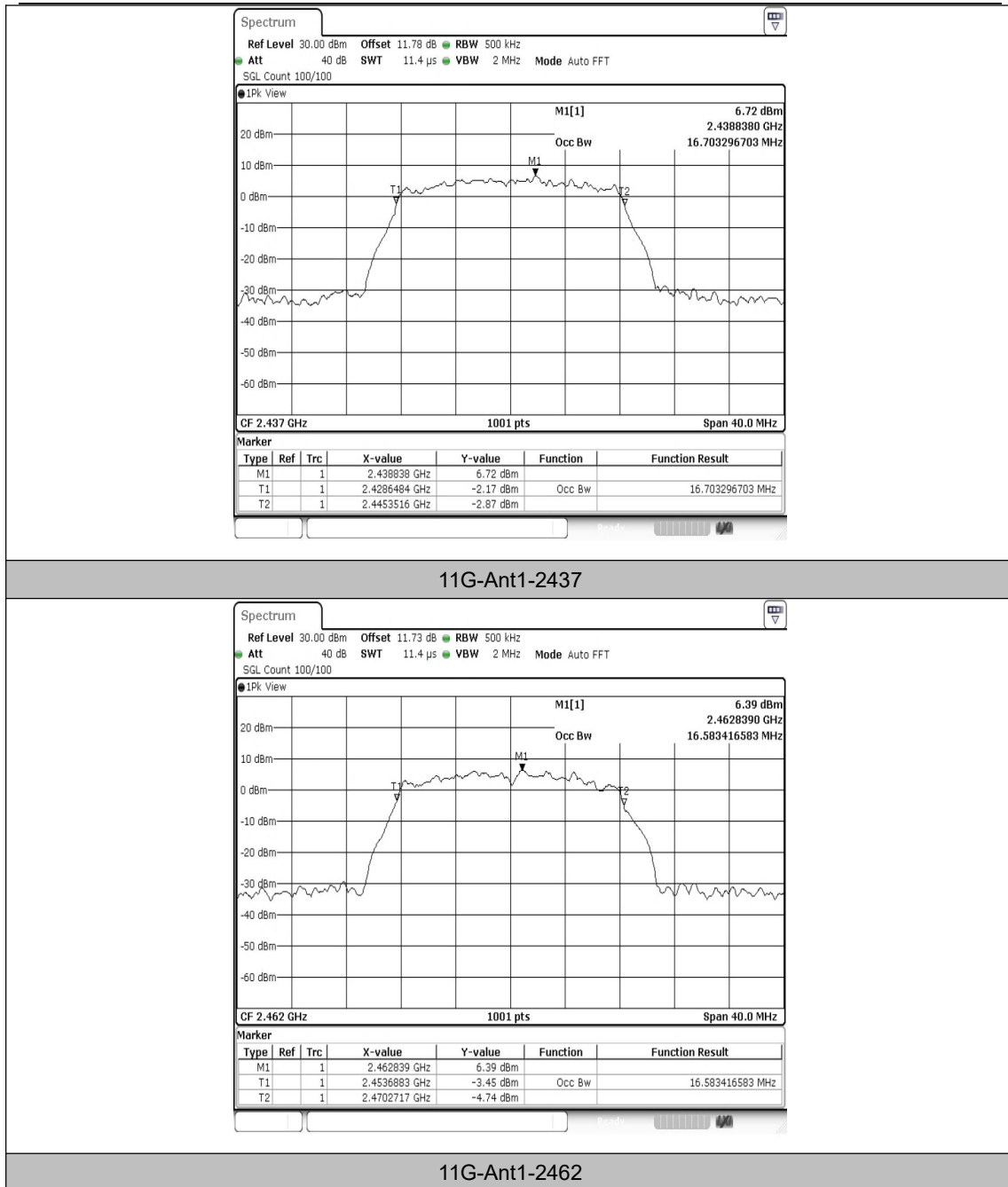
| Test Mode  | Antenna | Channel Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|------------------------|-----------|-----------|-----------|------------|---------|
| 11B        | Ant1    | 2412                   | 12.587    | 2405.7662 | 2418.3536 | ---        | ---     |
| 11B        | Ant1    | 2437                   | 12.907    | 2430.5265 | 2443.4336 | ---        | ---     |
| 11B        | Ant1    | 2462                   | 12.867    | 2455.4466 | 2468.3137 | ---        | ---     |
| 11G        | Ant1    | 2412                   | 16.663    | 2403.6883 | 2420.3516 | ---        | ---     |
| 11G        | Ant1    | 2437                   | 16.703    | 2428.6484 | 2445.3516 | ---        | ---     |
| 11G        | Ant1    | 2462                   | 16.583    | 2453.6883 | 2470.2717 | ---        | ---     |
| 11N20SISO  | Ant1    | 2412                   | 17.622    | 2403.2488 | 2420.8711 | ---        | ---     |
| 11N20SISO  | Ant1    | 2437                   | 17.742    | 2428.1688 | 2445.9111 | ---        | ---     |
| 11N20SISO  | Ant1    | 2462                   | 17.862    | 2453.0090 | 2470.8711 | ---        | ---     |
| 11N40SISO  | Ant1    | 2422                   | 36.124    | 2404.0180 | 2440.1419 | ---        | ---     |
| 11N40SISO  | Ant1    | 2437                   | 36.364    | 2418.9381 | 2455.3017 | ---        | ---     |
| 11N40SISO  | Ant1    | 2452                   | 35.884    | 2434.0180 | 2469.9021 | ---        | ---     |
| 11AX20SISO | Ant1    | 2412                   | 18.901    | 2402.5694 | 2421.4705 | ---        | ---     |
| 11AX20SISO | Ant1    | 2437                   | 18.901    | 2427.5694 | 2446.4705 | ---        | ---     |
| 11AX20SISO | Ant1    | 2462                   | 18.901    | 2452.5295 | 2471.4306 | ---        | ---     |
| 11AX40SISO | Ant1    | 2422                   | 37.642    | 2403.2987 | 2440.9411 | ---        | ---     |
| 11AX40SISO | Ant1    | 2437                   | 38.042    | 2417.9790 | 2456.0210 | ---        | ---     |
| 11AX40SISO | Ant1    | 2452                   | 37.722    | 2433.0589 | 2470.7812 | ---        | ---     |

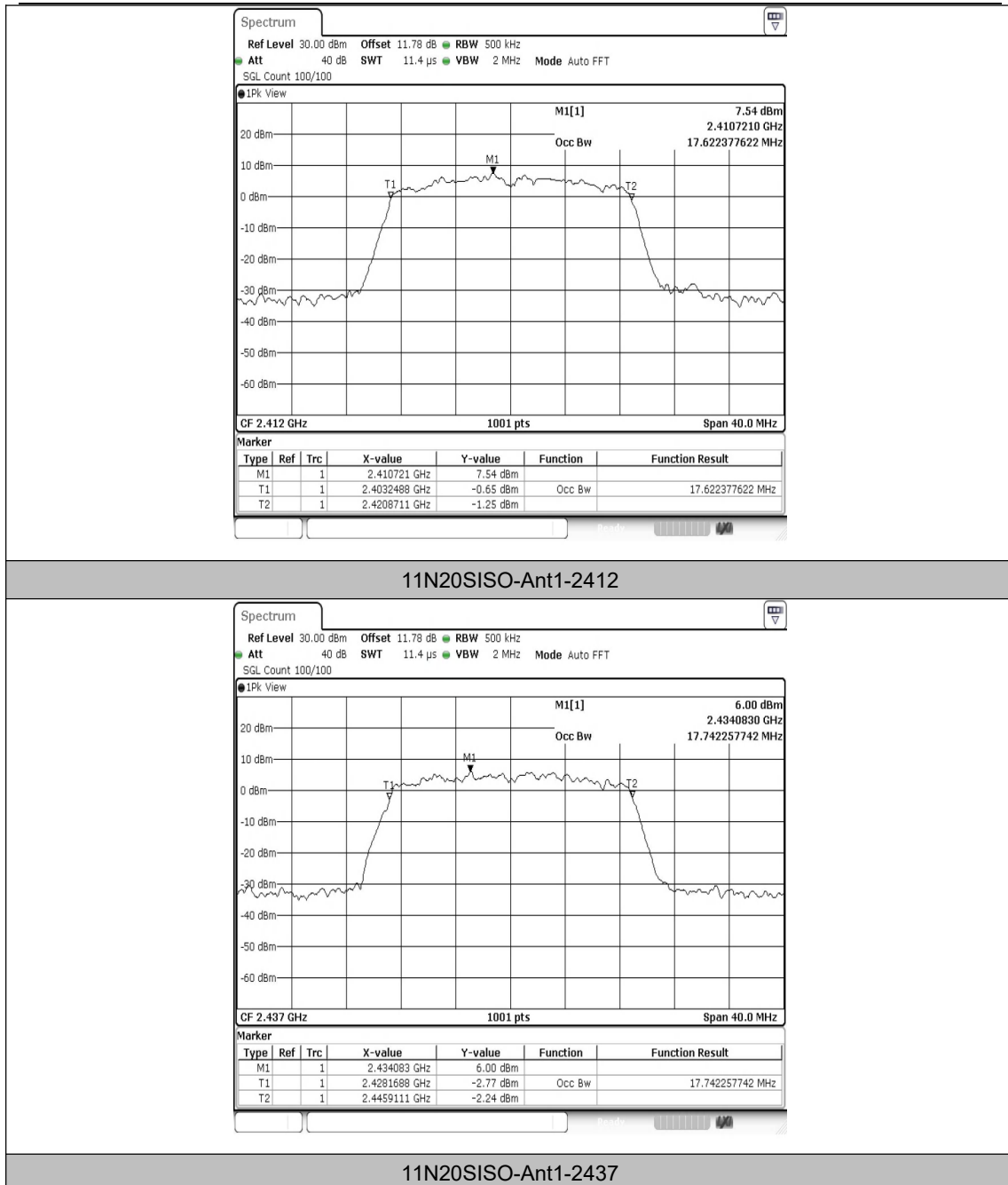


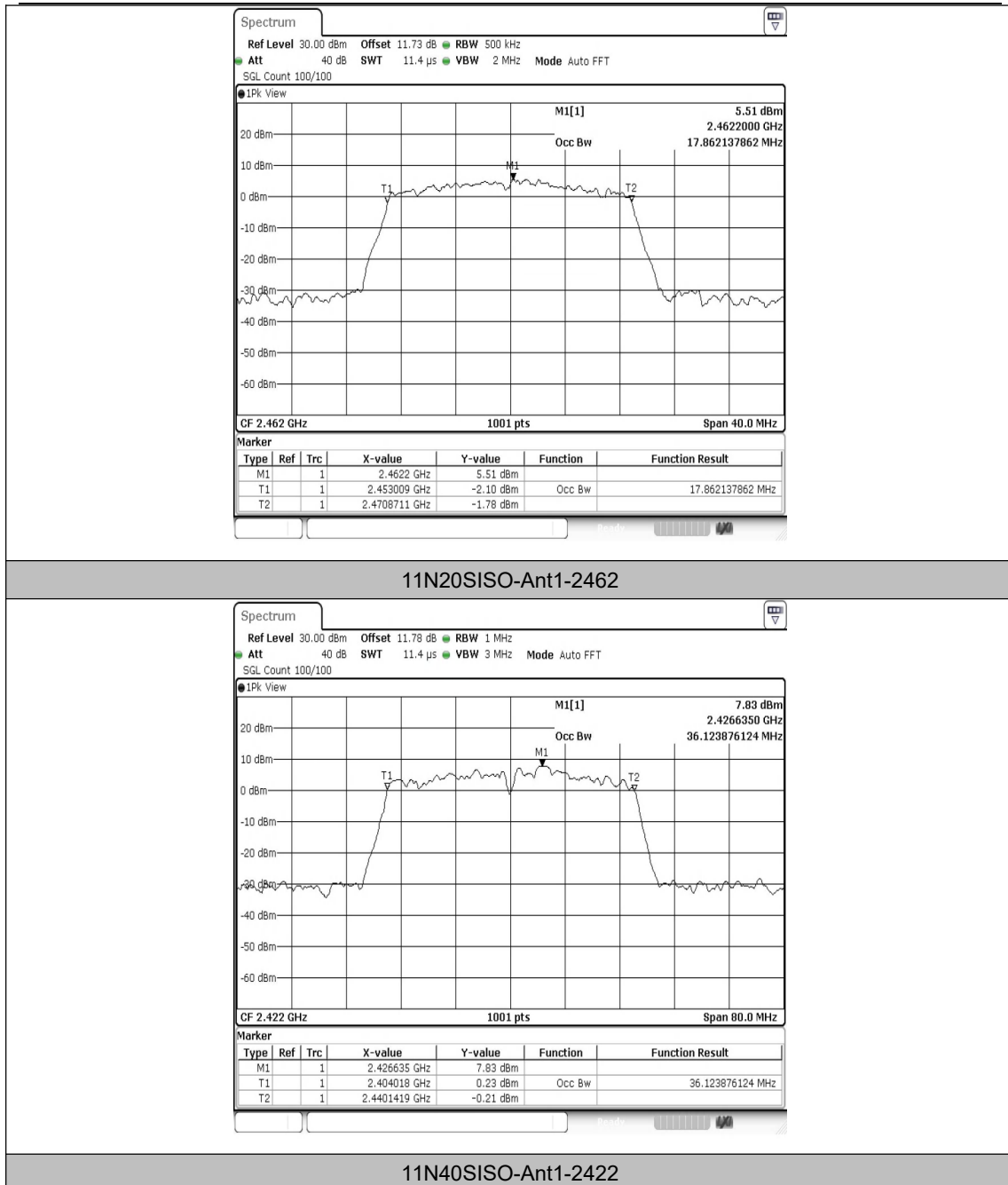
## Test Graphs

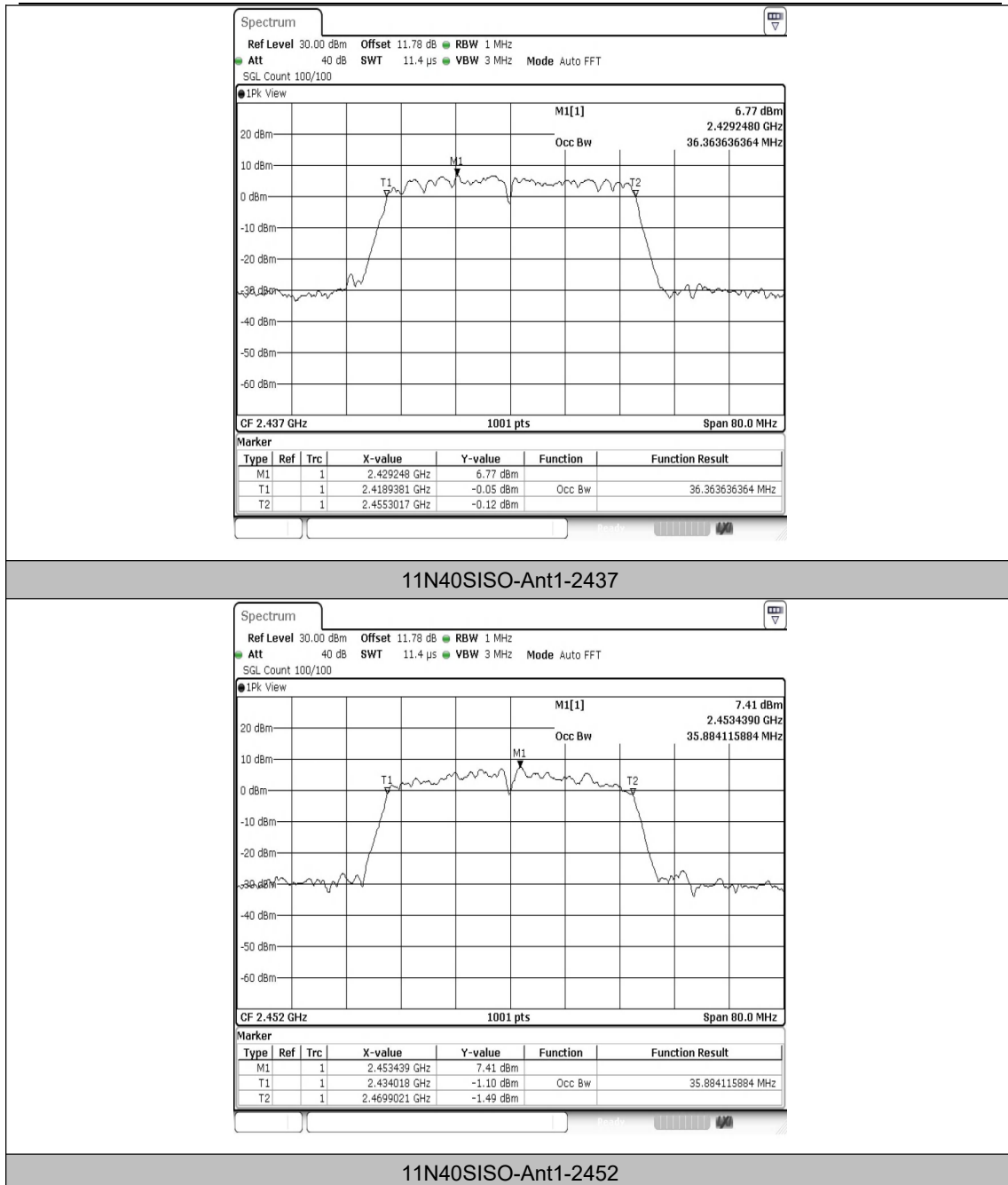


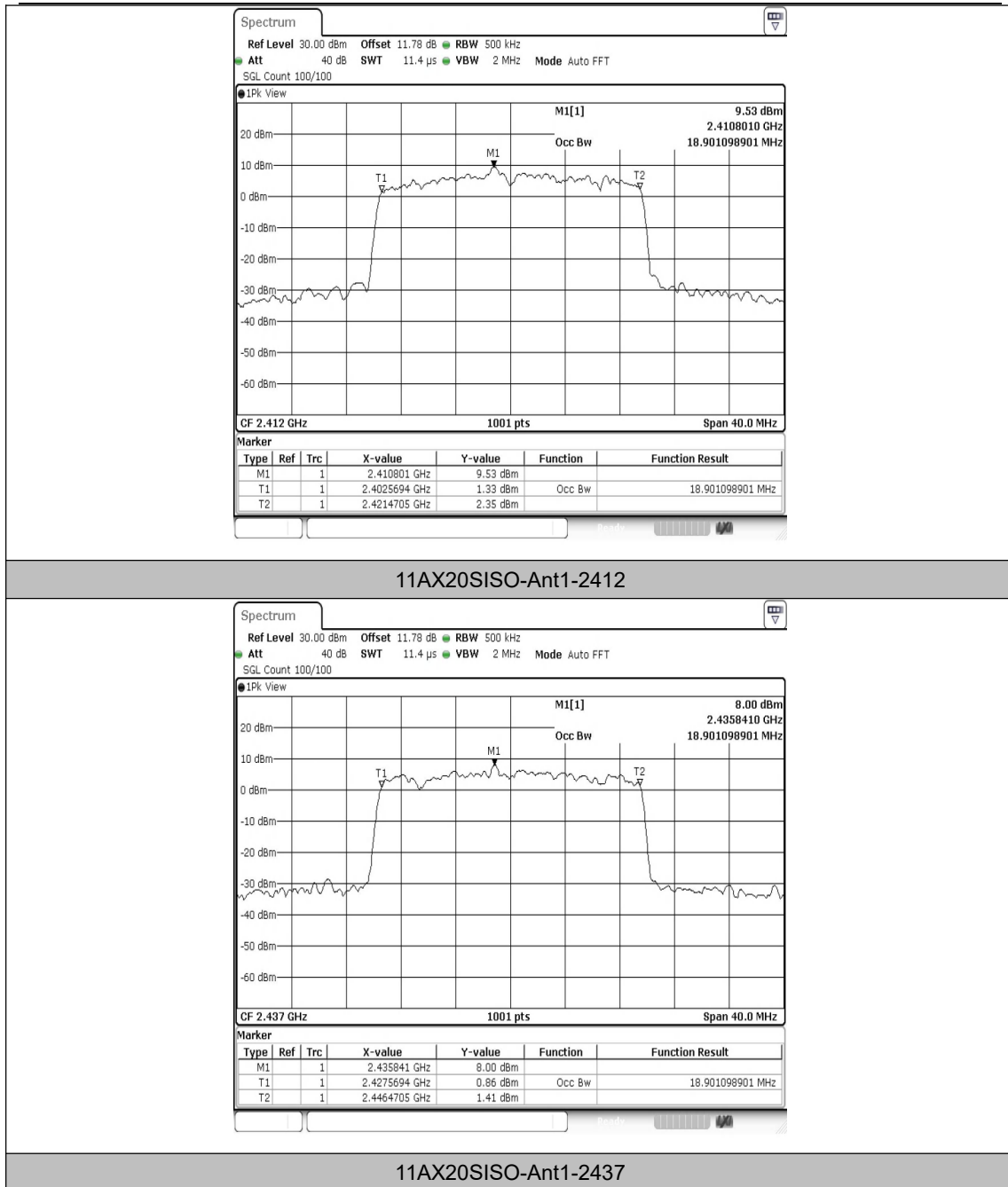


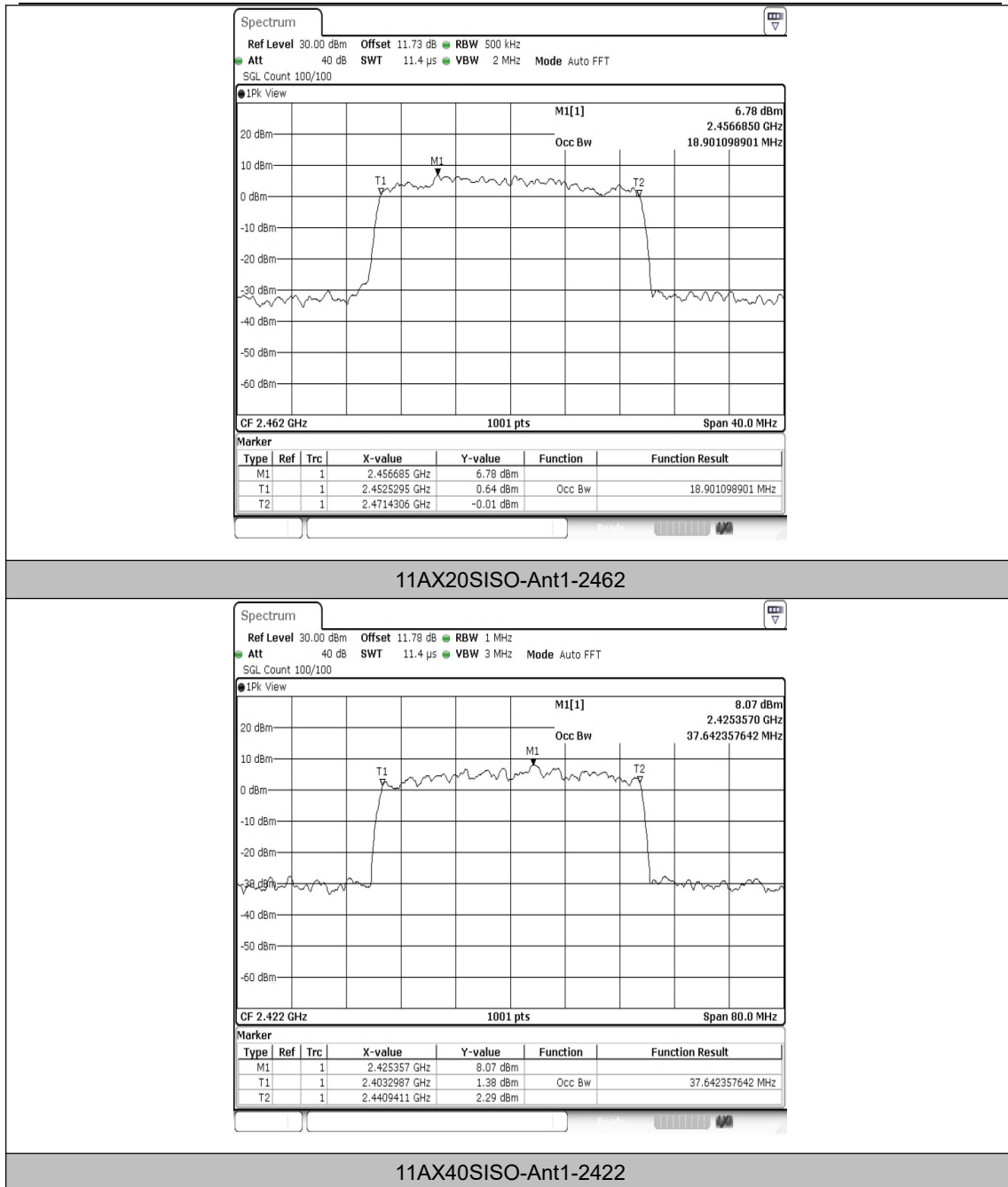


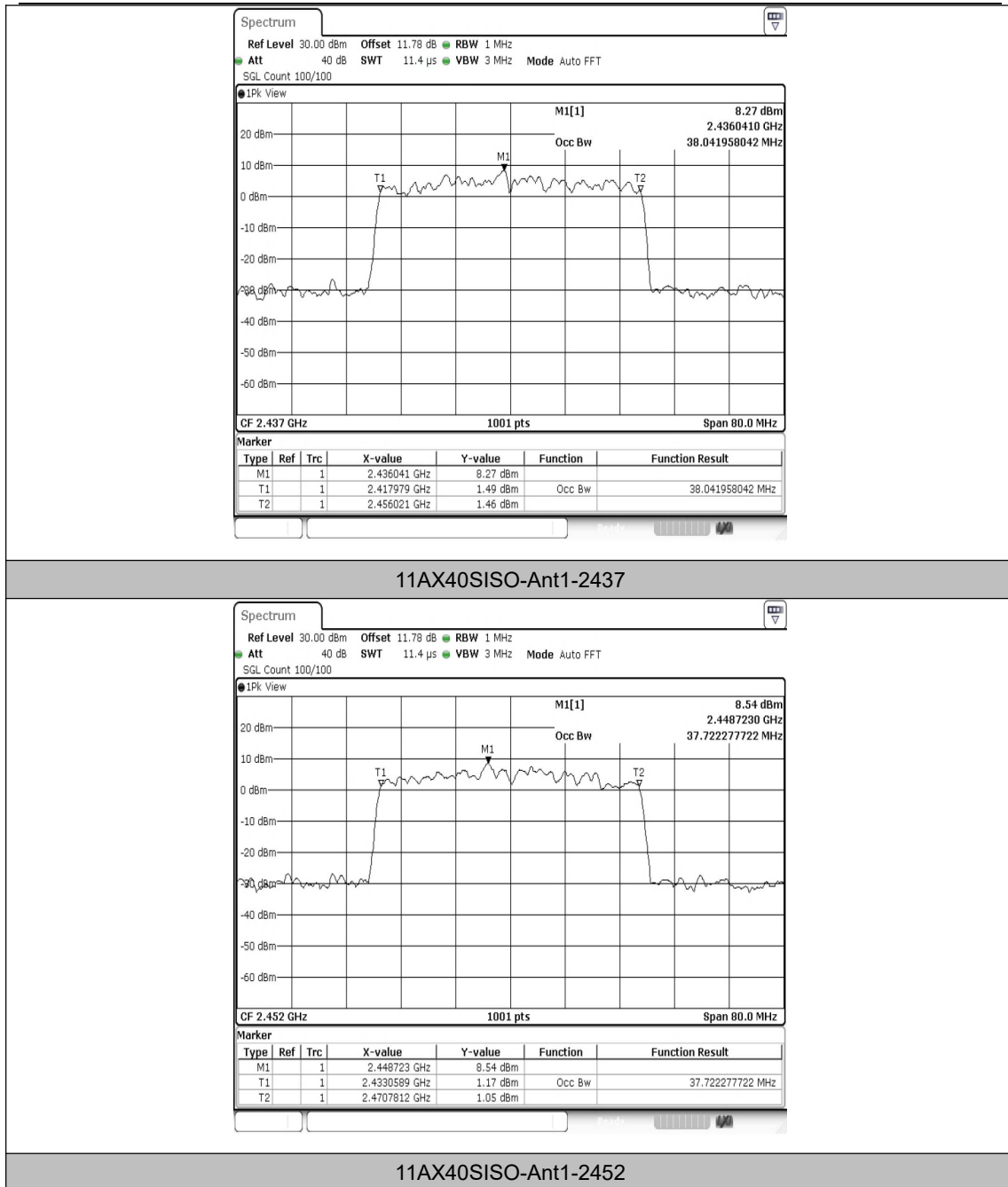












## Appendix C: Maximum conducted output power

### Test Result Average

| Test Mode  | Antenna | Frequency[MHz] | Average power [dBm] | Duty Cycle [%] | DC Factor [dB] | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|---------------------|----------------|----------------|--------------|-------------|---------|
| 11B        | Ant1    | 2412           | 14.60               | 93.74          | 0.28           | 14.88        | ≤30.00      | PASS    |
| 11B        | Ant1    | 2437           | 13.47               | 95.56          | 0.20           | 13.67        | ≤30.00      | PASS    |
| 11B        | Ant1    | 2462           | 12.99               | 93.95          | 0.27           | 13.26        | ≤30.00      | PASS    |
| 11G        | Ant1    | 2412           | 13.43               | 72.02          | 1.43           | 14.86        | ≤30.00      | PASS    |
| 11G        | Ant1    | 2437           | 12.27               | 72.02          | 1.43           | 13.70        | ≤30.00      | PASS    |
| 11G        | Ant1    | 2462           | 11.82               | 72.16          | 1.42           | 13.24        | ≤30.00      | PASS    |
| 11N20SISO  | Ant1    | 2412           | 13.66               | 74.01          | 1.31           | 14.97        | ≤30.00      | PASS    |
| 11N20SISO  | Ant1    | 2437           | 12.54               | 79.27          | 1.01           | 13.55        | ≤30.00      | PASS    |
| 11N20SISO  | Ant1    | 2462           | 12.10               | 69.15          | 1.60           | 13.70        | ≤30.00      | PASS    |
| 11N40SISO  | Ant1    | 2422           | 11.79               | 61.32          | 2.12           | 13.91        | ≤30.00      | PASS    |
| 11N40SISO  | Ant1    | 2437           | 11.58               | 60.38          | 2.19           | 13.77        | ≤30.00      | PASS    |
| 11N40SISO  | Ant1    | 2452           | 11.44               | 60.38          | 2.19           | 13.63        | ≤30.00      | PASS    |
| 11AX20SISO | Ant1    | 2412           | 13.51               | 62.73          | 2.03           | <b>15.54</b> | ≤30.00      | PASS    |
| 11AX20SISO | Ant1    | 2437           | 12.41               | 63.52          | 1.97           | 14.38        | ≤30.00      | PASS    |
| 11AX20SISO | Ant1    | 2462           | 11.93               | 63.52          | 1.97           | 13.90        | ≤30.00      | PASS    |
| 11AX40SISO | Ant1    | 2422           | 11.17               | 50.00          | 3.01           | 14.18        | ≤30.00      | PASS    |
| 11AX40SISO | Ant1    | 2437           | 11.05               | 50.94          | 2.93           | 13.98        | ≤30.00      | PASS    |
| 11AX40SISO | Ant1    | 2452           | 10.85               | 50.48          | 2.97           | 13.82        | ≤30.00      | PASS    |

Note: 1. The cable loss are compensated in the graph



## Test Graphs Average

