

Appendix Test Data

|                  |                  |                    |             |
|------------------|------------------|--------------------|-------------|
| Report No:       | 1812C40054312501 | Test Sample NO:    | 1-2-2       |
| Start Test Date: | 2024.9.13        | Finish Test Date:  | 2024.9.13   |
| Test Engineer:   | Joker Wang       | Auditor:           | Justin Feng |
| Temperature:     | 22.7℃            | Relative Humidity: | 53%         |
| Pressure:        | 101 kPa          |                    |             |

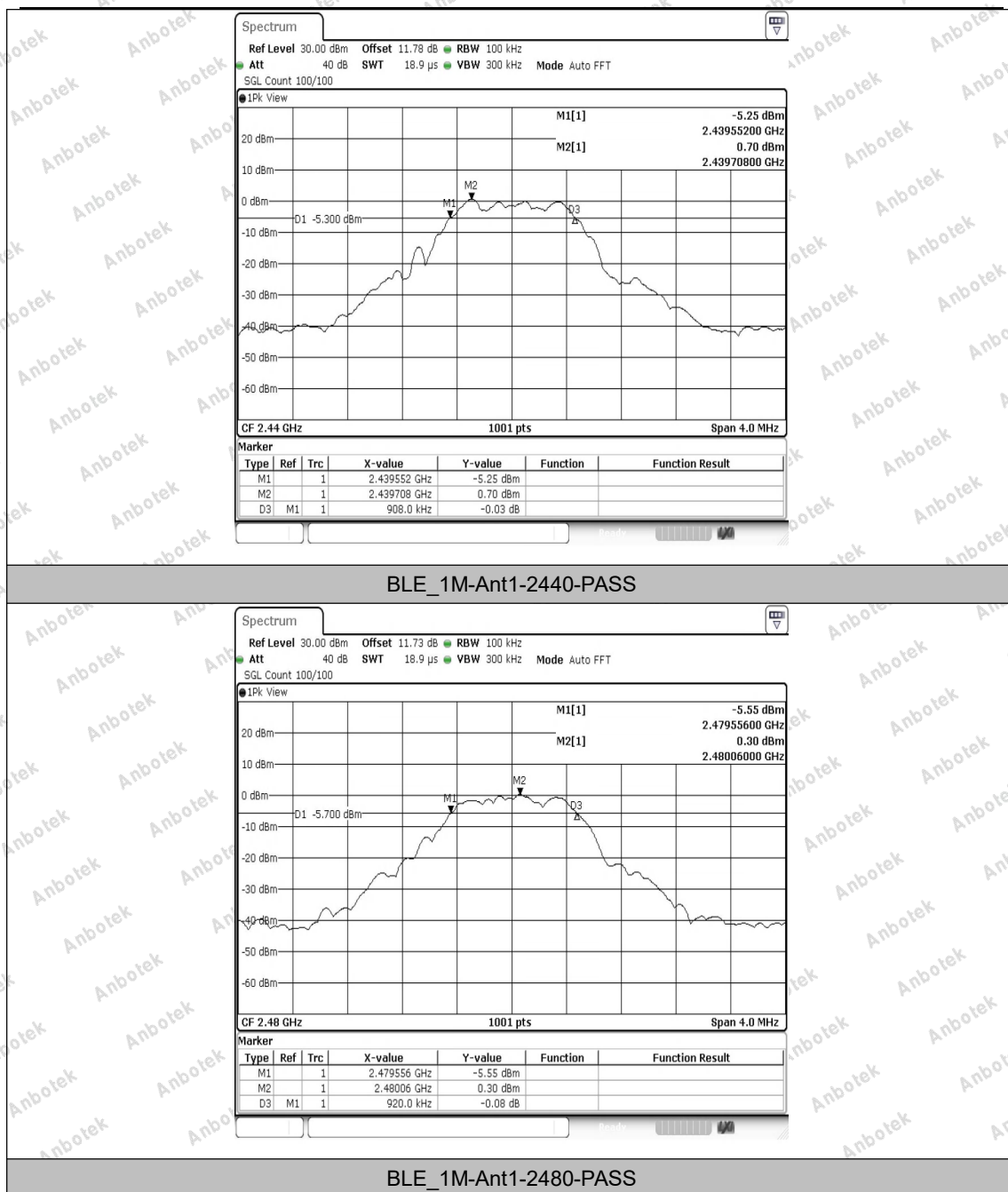
Appendix A: DTS Bandwidth

Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|---------|---------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0.90         | 2401.56 | 2402.46 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2440           | 0.91         | 2439.55 | 2440.46 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2480           | 0.92         | 2479.56 | 2480.48 | 0.5        | PASS    |

Test Graphs





## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 1.315     | 2401.2967 | 2402.6114 | ---        | ---     |
| BLE_1M   | Ant1    | 2440           | 1.243     | 2439.3407 | 2440.5834 | ---        | ---     |
| BLE_1M   | Ant1    | 2480           | 1.207     | 2479.3686 | 2480.5754 | ---        | ---     |

### Test Graphs





## Appendix C: Maximum conducted output power

### Test Result Peak

| TestMode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|----------|---------|----------------|---------------------------|----------------------|---------|
| BLE_1M   | Ant1    | 2402           | 2.78                      | ≤30                  | PASS    |
| BLE_1M   | Ant1    | 2440           | 2.49                      | ≤30                  | PASS    |
| BLE_1M   | Ant1    | 2480           | 2.47                      | ≤30                  | PASS    |

### Test Graphs Peak



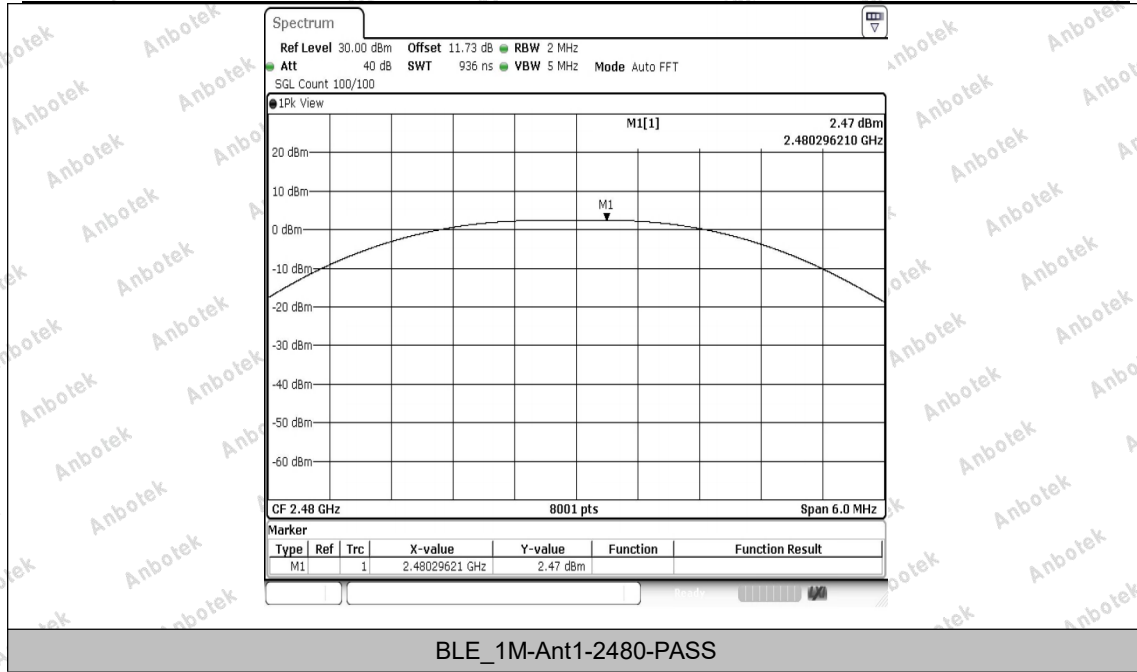
### Shenzhen Anbotek Compliance Laboratory Limited

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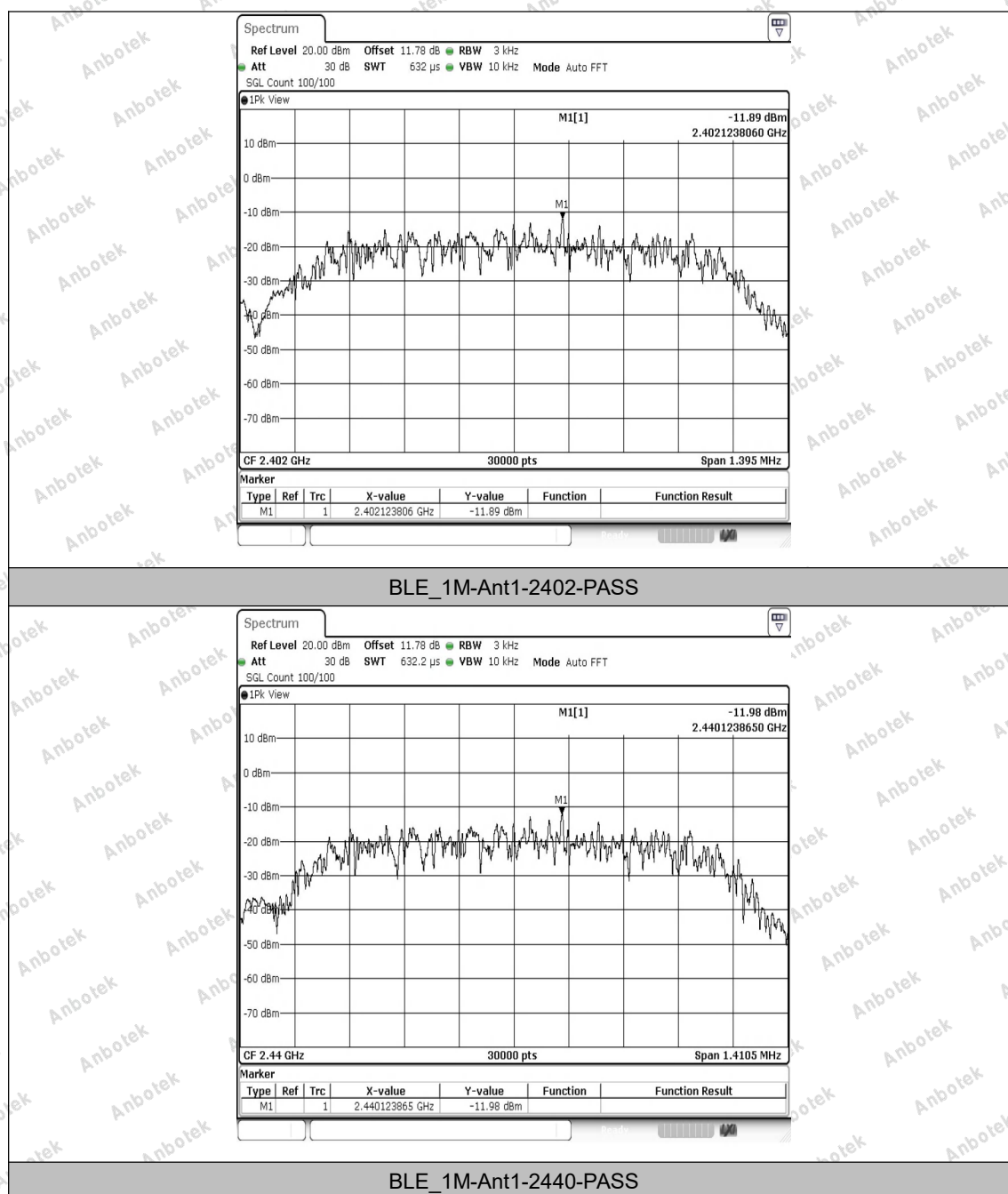


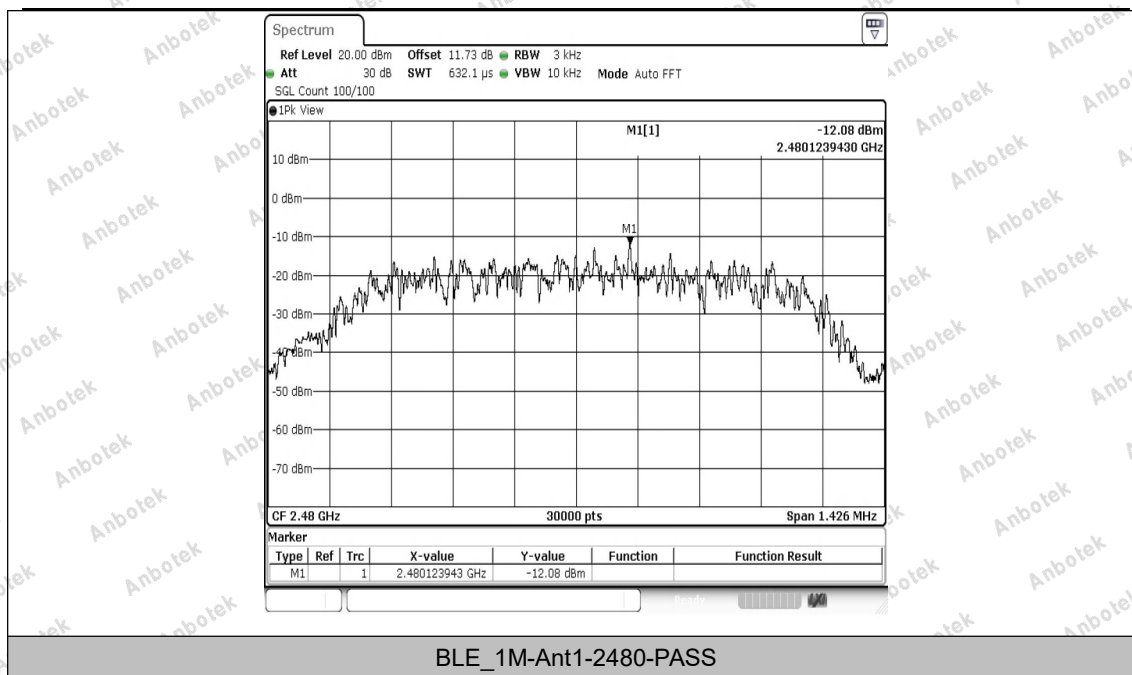
## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402           | -11.89           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440           | -11.98           | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480           | -12.08           | ≤8.00           | PASS    |

### Test Graphs





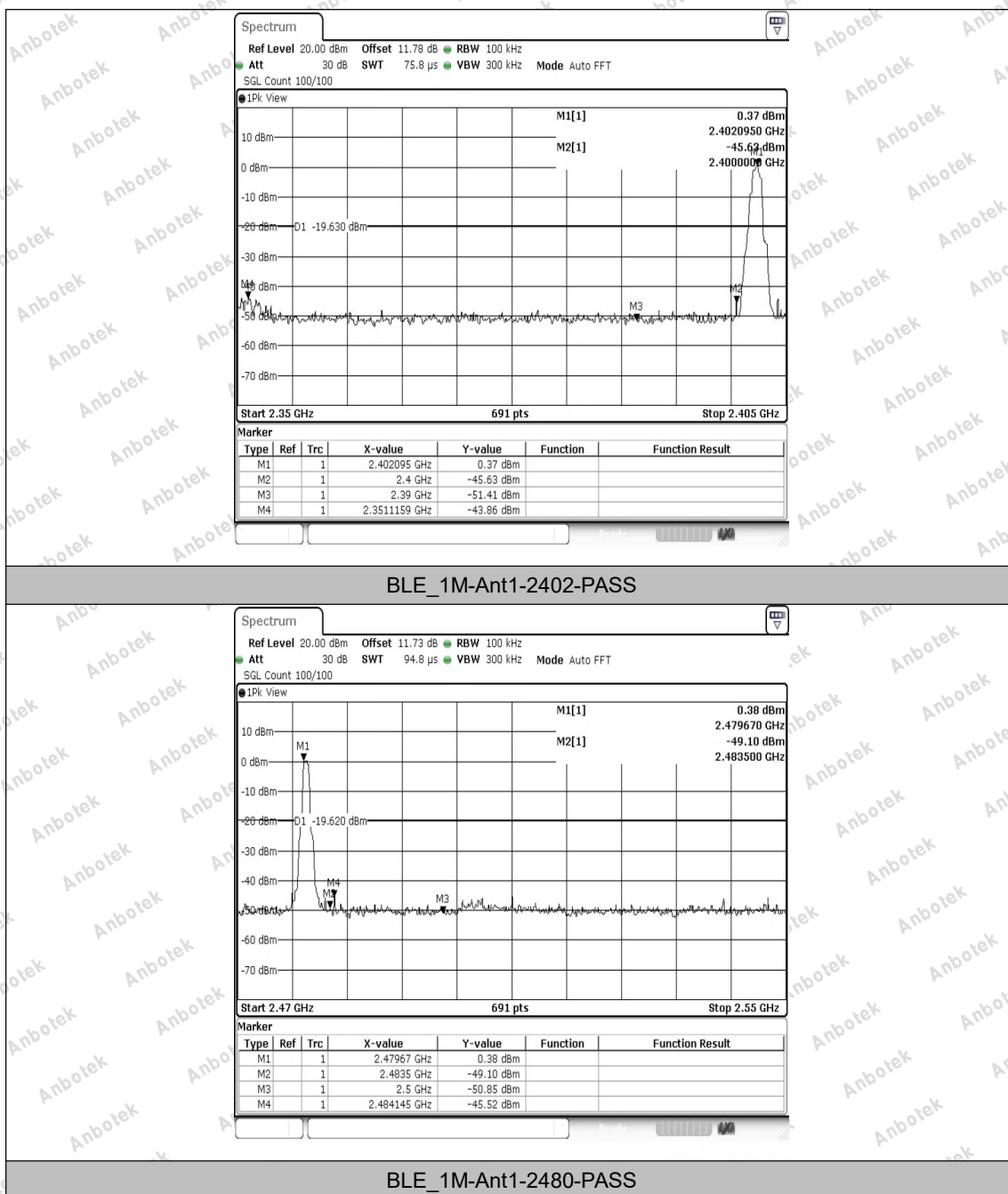
Appendix E: Band edge measurements

Test Result

| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|----------------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low    | 2402           | 0.37          | -43.86      | ≤-19.63    | PASS    |
| BLE_1M   | Ant1    | High   | 2480           | 0.38          | -45.52      | ≤-19.62    | PASS    |



## Test Graphs

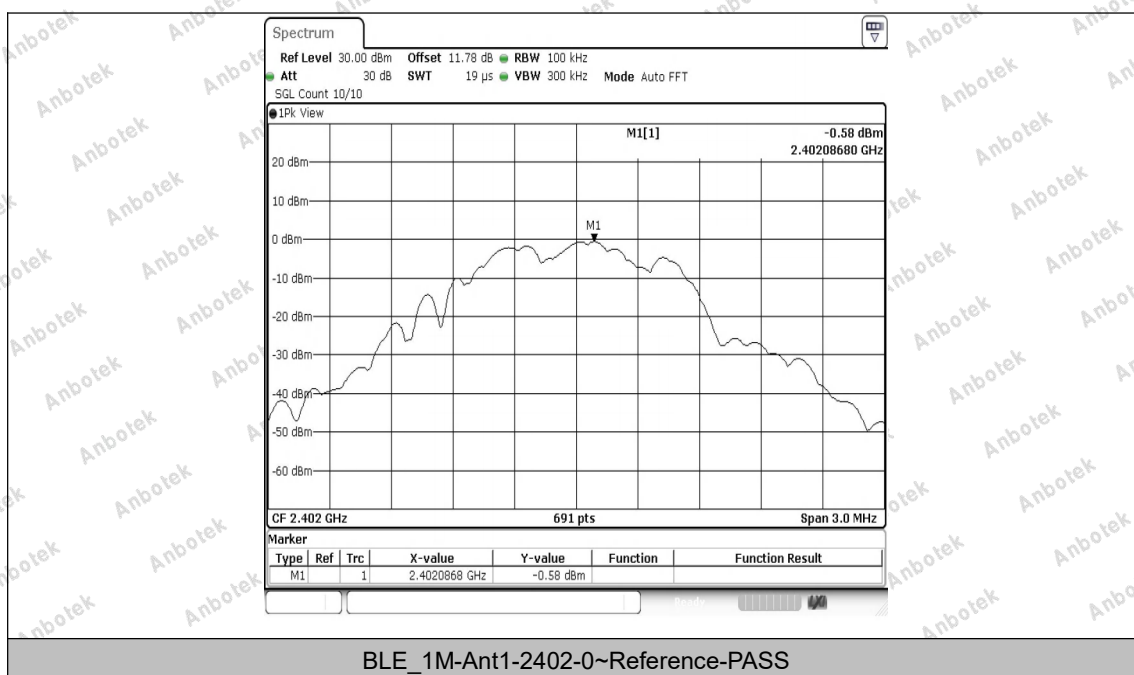


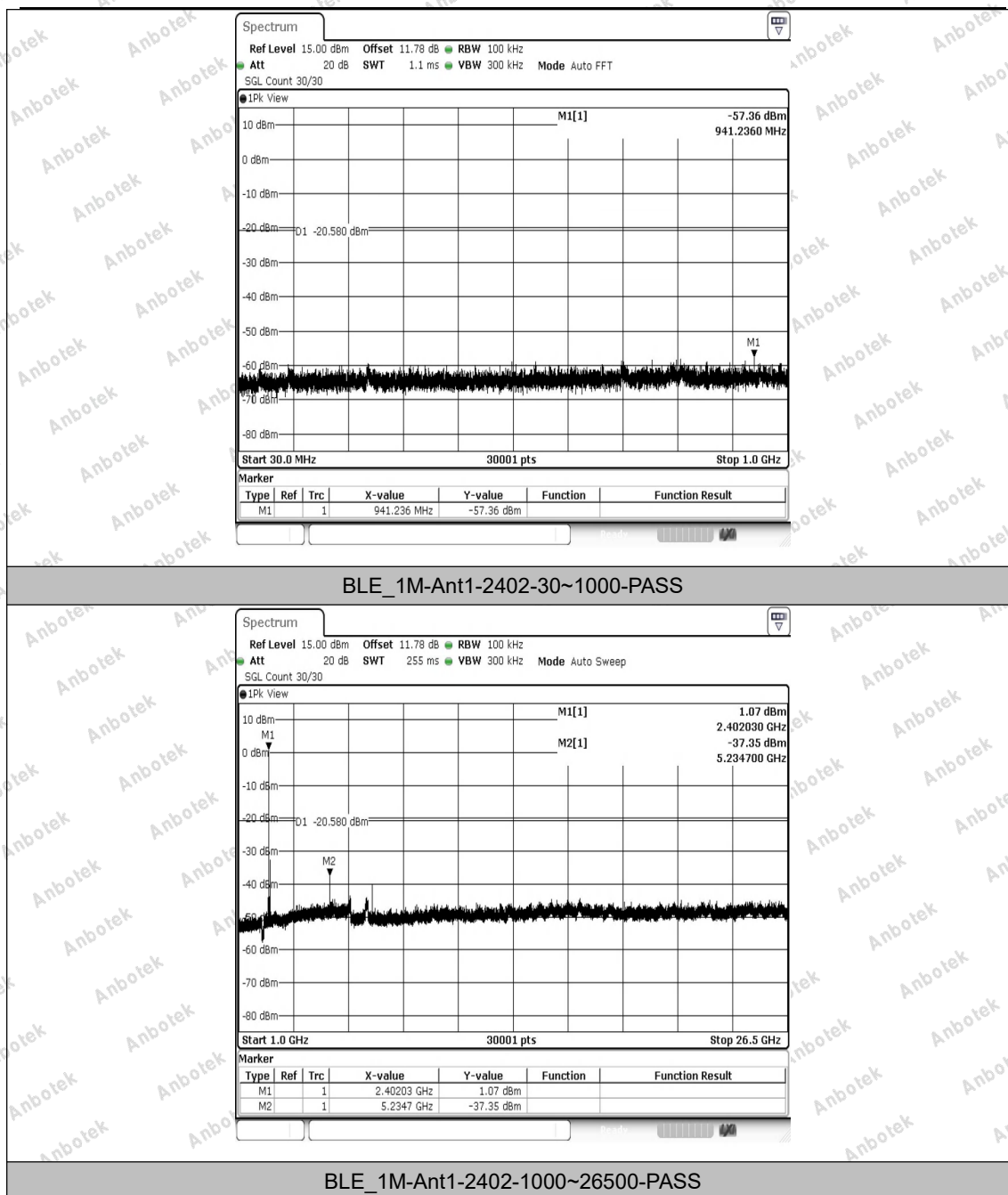
## Appendix F: Conducted Spurious Emission

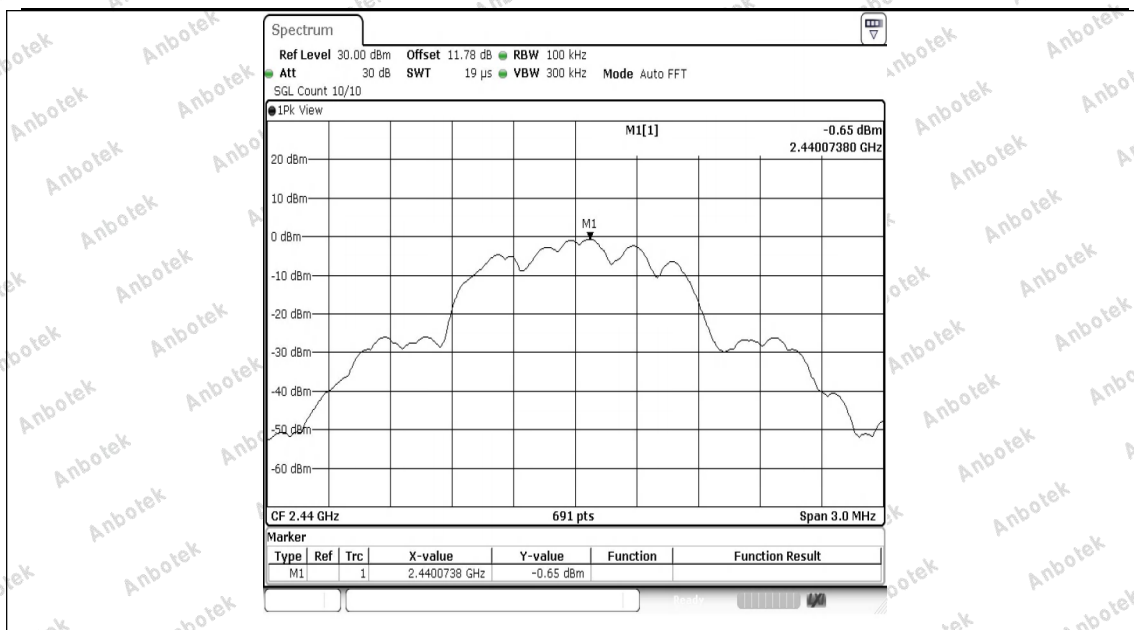
### Test Result

| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|-------------|------------|---------|
| BLE_1M   | Ant1    | 2402           | 0~Reference     | -0.58          | -0.58       | ---        | PASS    |
| BLE_1M   | Ant1    | 2402           | 30~1000         | -0.58          | -57.36      | ≤-20.58    | PASS    |
| BLE_1M   | Ant1    | 2402           | 1000~26500      | -0.58          | -37.35      | ≤-20.58    | PASS    |
| BLE_1M   | Ant1    | 2440           | 0~Reference     | -0.65          | -0.65       | ---        | PASS    |
| BLE_1M   | Ant1    | 2440           | 30~1000         | -0.65          | -47.92      | ≤-20.65    | PASS    |
| BLE_1M   | Ant1    | 2440           | 1000~26500      | -0.65          | -43.01      | ≤-20.65    | PASS    |
| BLE_1M   | Ant1    | 2480           | 0~Reference     | 0.48           | 0.48        | ---        | PASS    |
| BLE_1M   | Ant1    | 2480           | 30~1000         | 0.48           | -56.33      | ≤-19.52    | PASS    |
| BLE_1M   | Ant1    | 2480           | 1000~26500      | 0.48           | -26.42      | ≤-19.52    | PASS    |

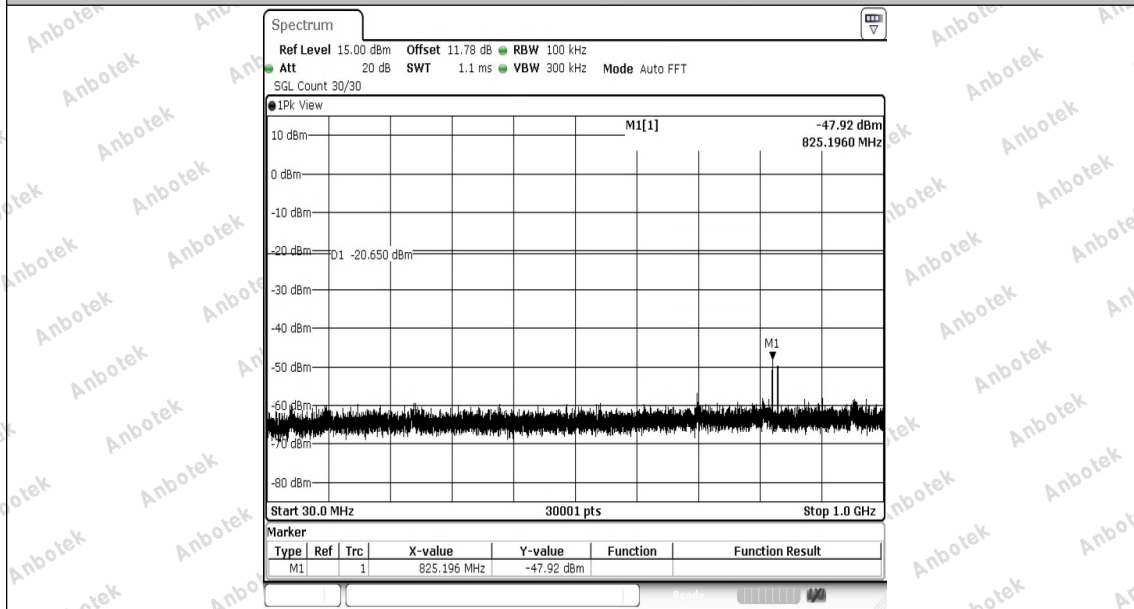
### Test Graphs





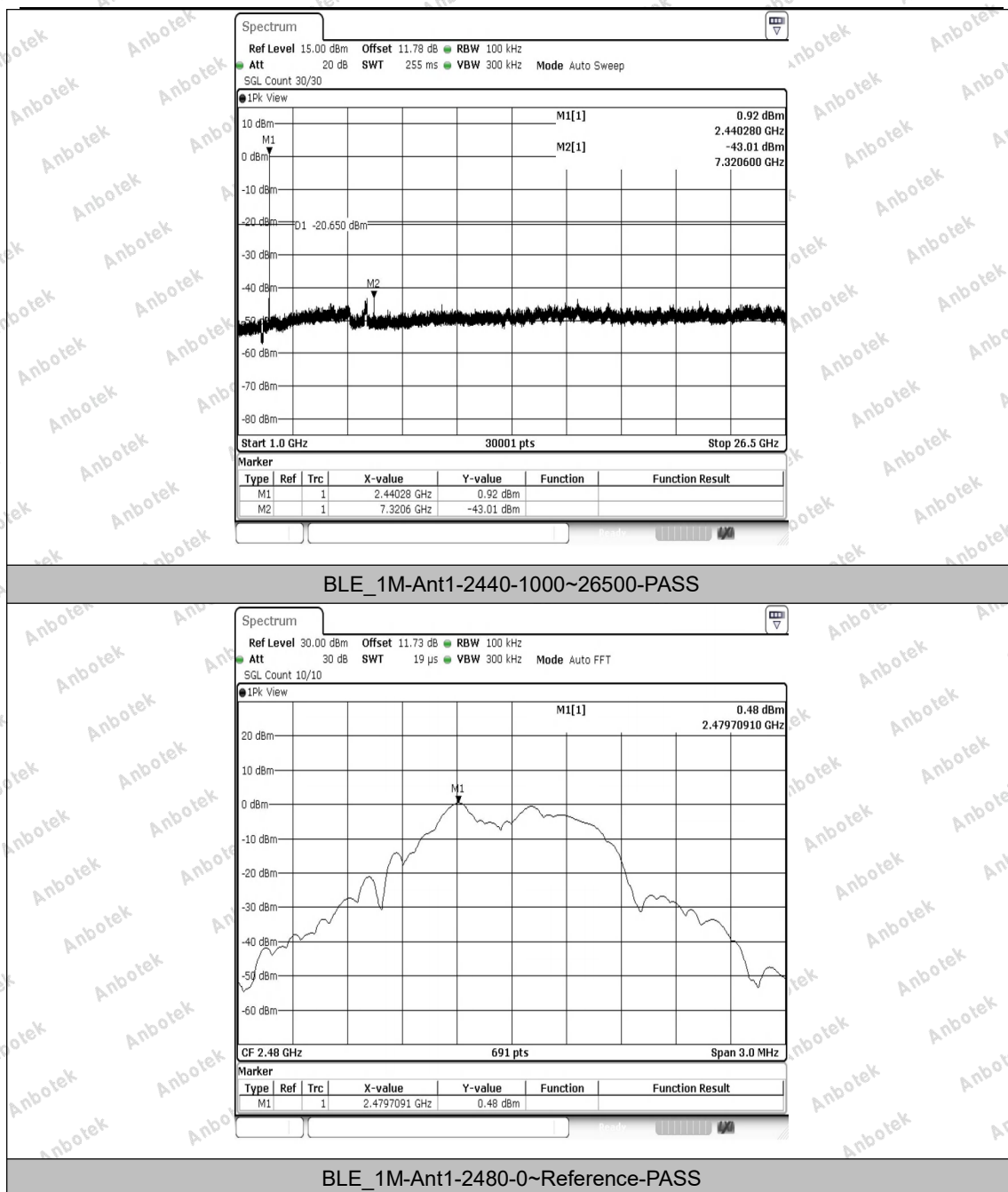


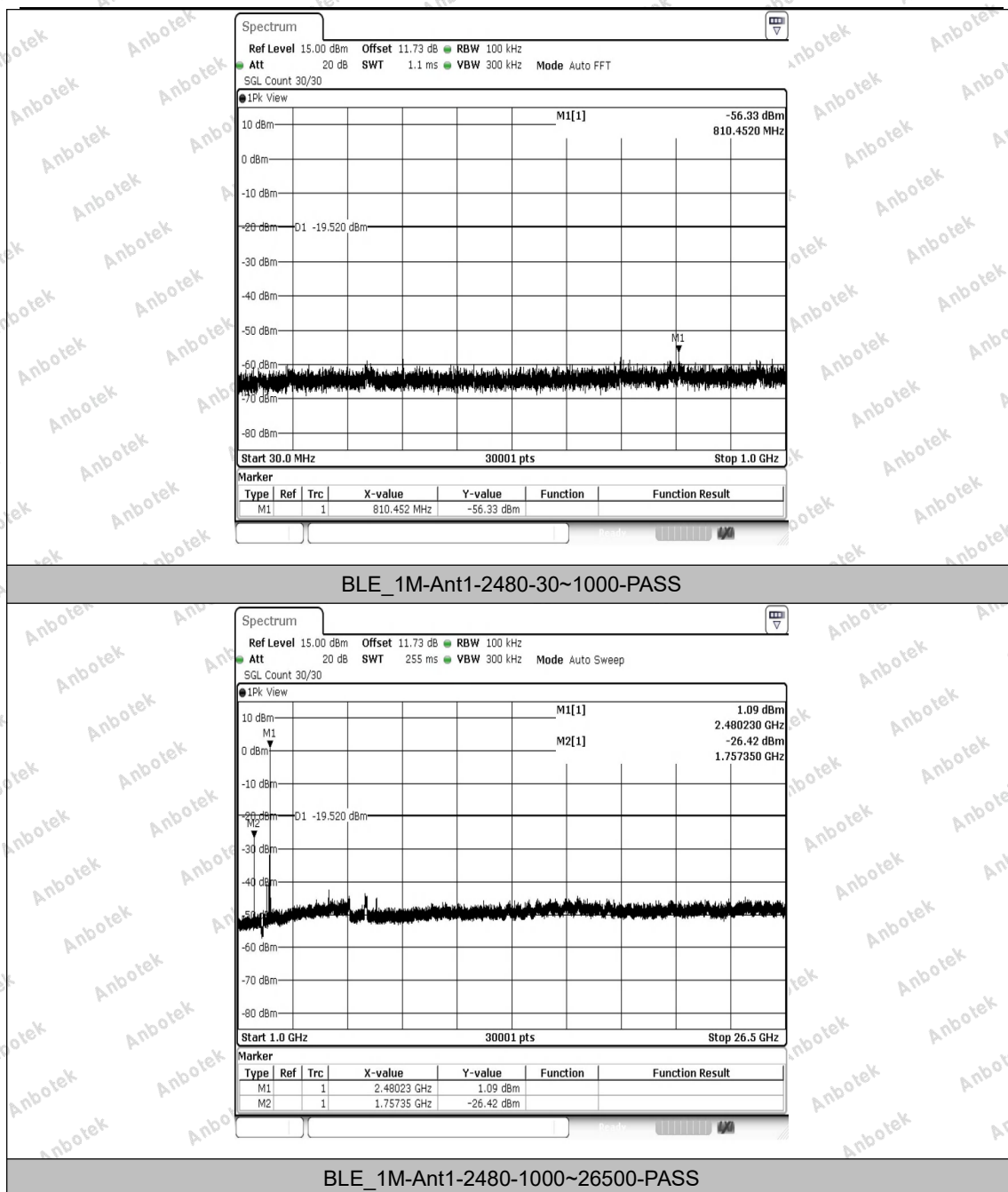
## BLE\_1M-Ant1-2440-0~Reference-PASS



## BLE\_1M-Ant1-2440-30~1000-PASS





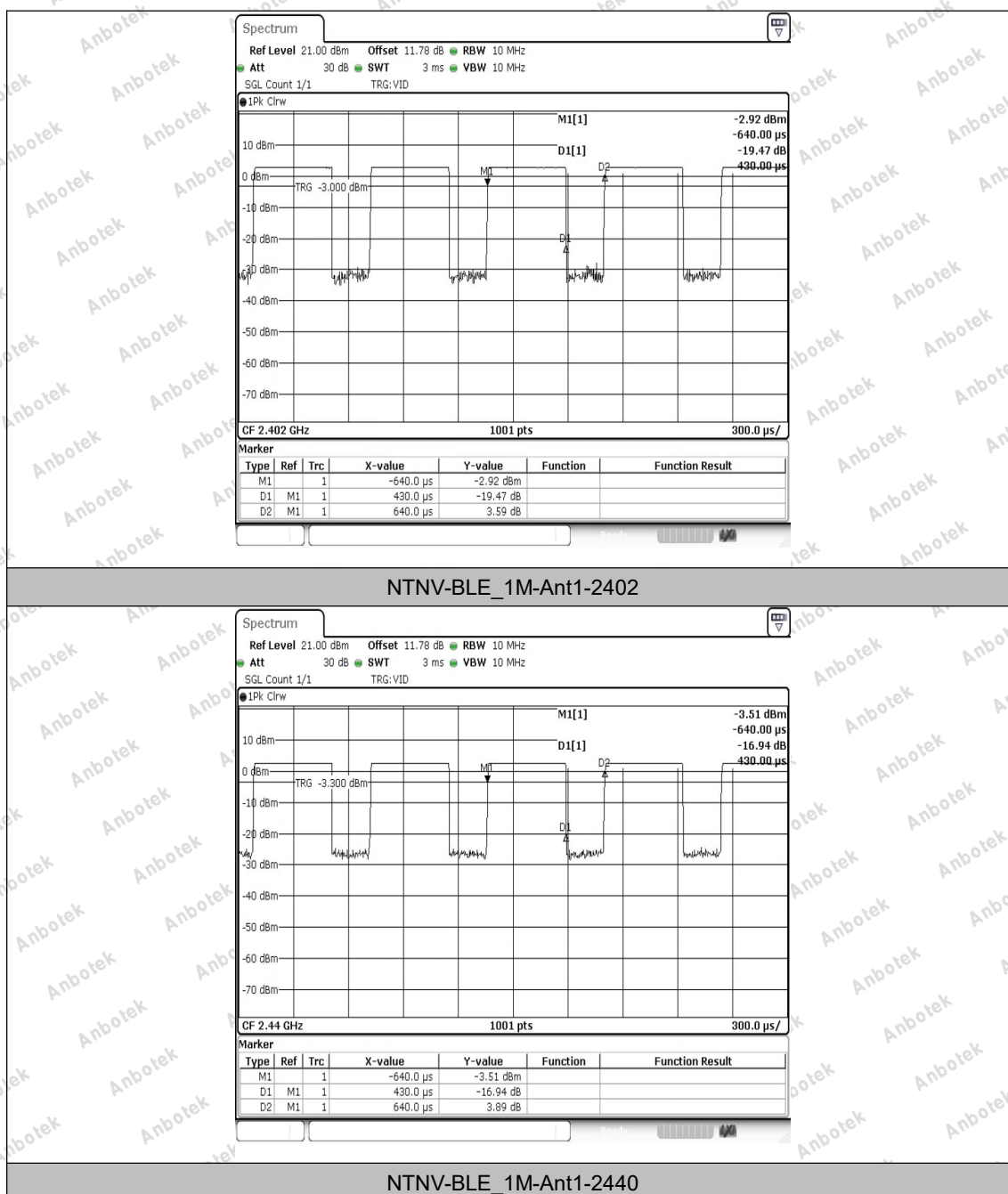


## Appendix G: Duty Cycle

### Test Result

| TestMode | Antenna | Frequency[MHz] | ON Time<br>[ms] | Period<br>[ms] | Duty Cycle<br>[%] | Duty Cycle<br>Factor[dB] |
|----------|---------|----------------|-----------------|----------------|-------------------|--------------------------|
| BLE_1M   | Ant1    | 2402           | 0.43            | 0.64           | 67.19             | 1.73                     |
| BLE_1M   | Ant1    | 2440           | 0.43            | 0.64           | 67.19             | 1.73                     |
| BLE_1M   | Ant1    | 2480           | 0.43            | 0.64           | 67.19             | 1.73                     |

### Test Graphs



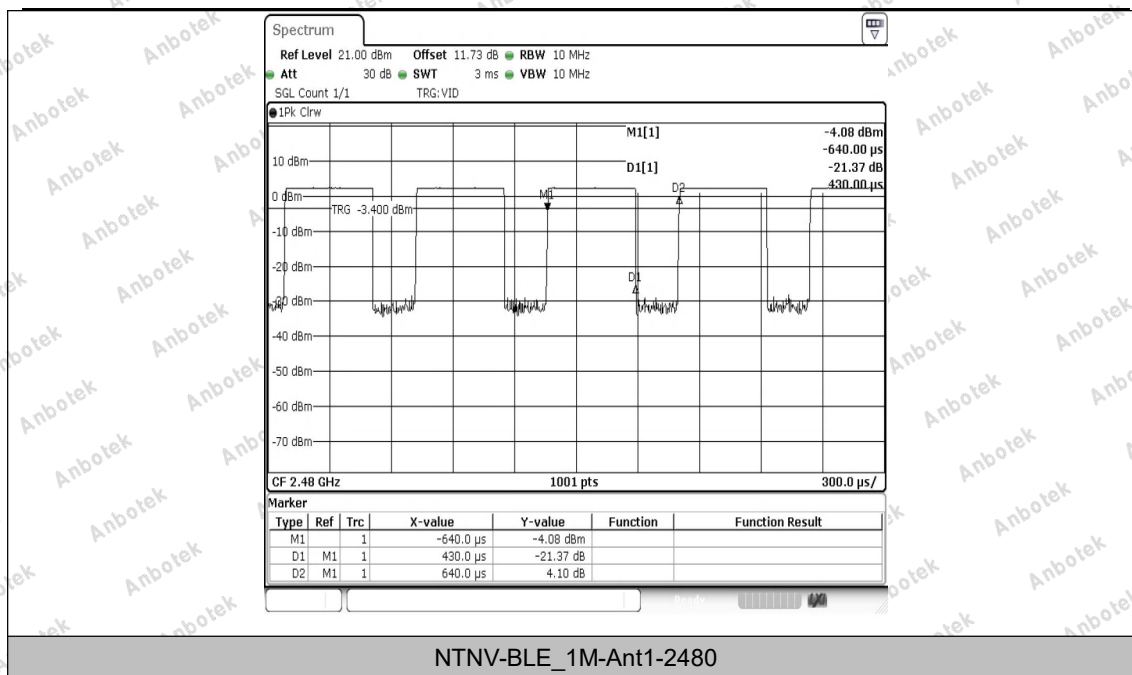
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