

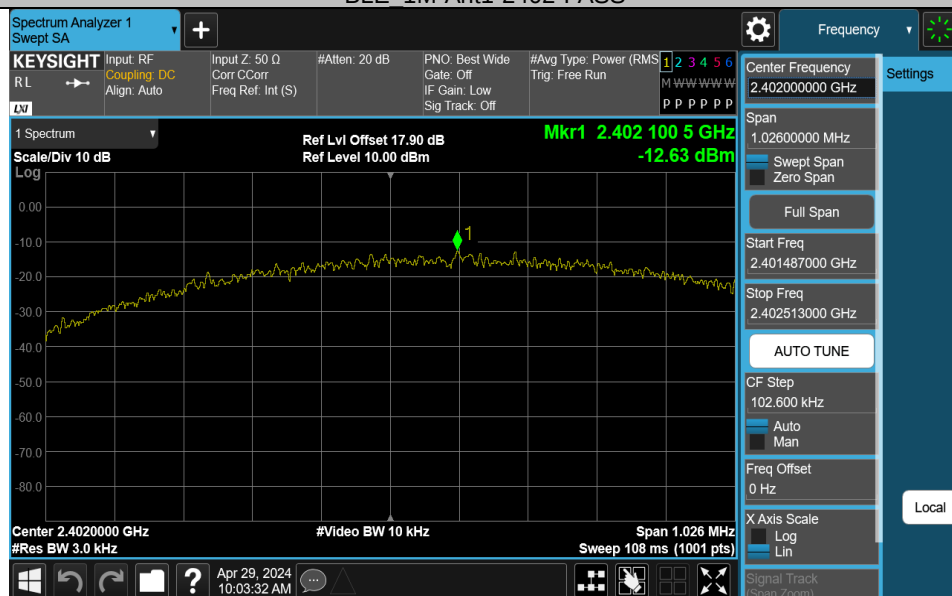
## Appendix C: Maximum power spectral density

## Test Result

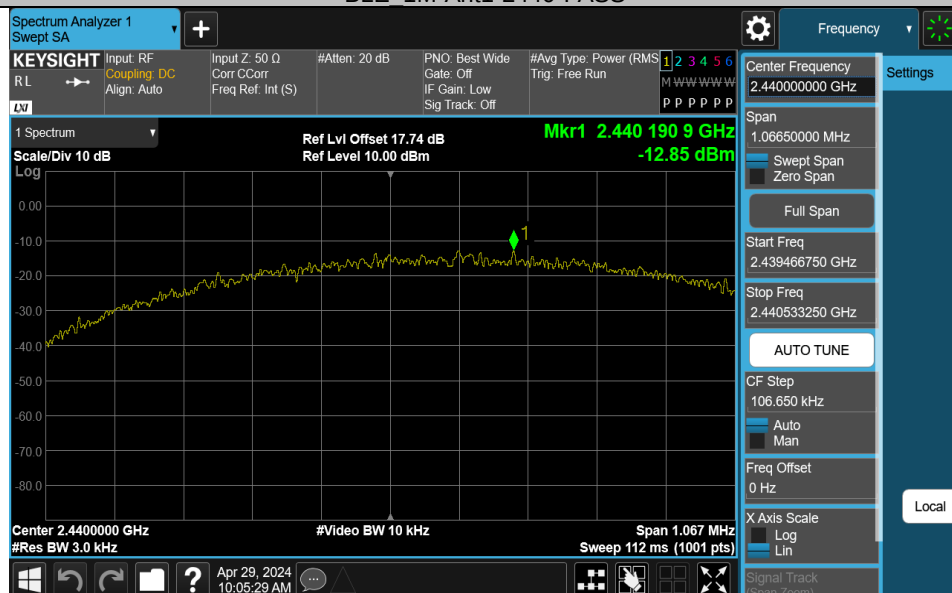
| Test Mode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|------------------|-----------------|---------|
| BLE_1M    | Ant1    | 2402           | -12.63           | ≤8.00           | PASS    |
| BLE_1M    | Ant1    | 2440           | -12.85           | ≤8.00           | PASS    |
| BLE_1M    | Ant1    | 2480           | -13.24           | ≤8.00           | PASS    |
| BLE_2M    | Ant1    | 2402           | -16.21           | ≤8.00           | PASS    |
| BLE_2M    | Ant1    | 2440           | -16.27           | ≤8.00           | PASS    |
| BLE_2M    | Ant1    | 2480           | -16.70           | ≤8.00           | PASS    |

## Test Graphs

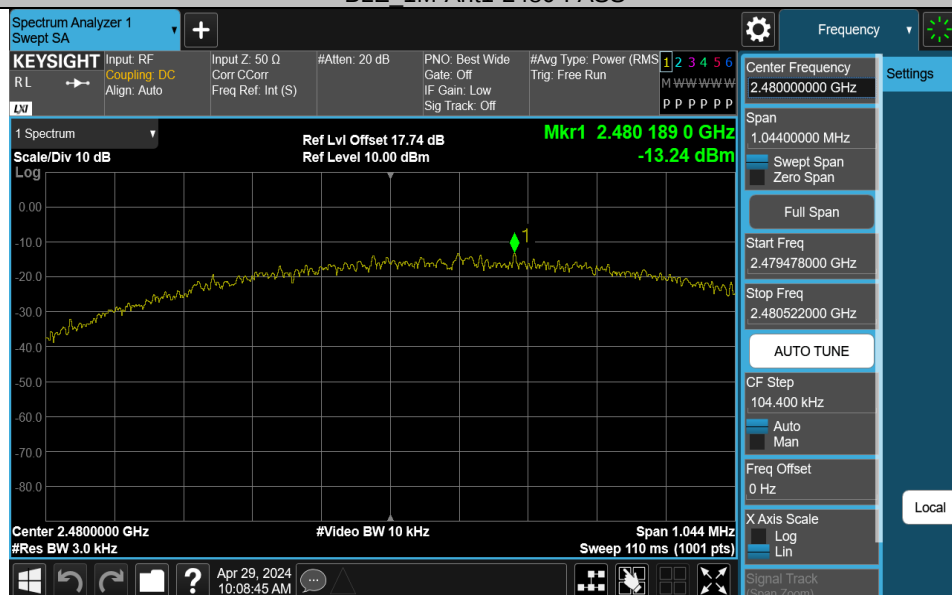
## BLE 1M-Ant1-2402-PASS



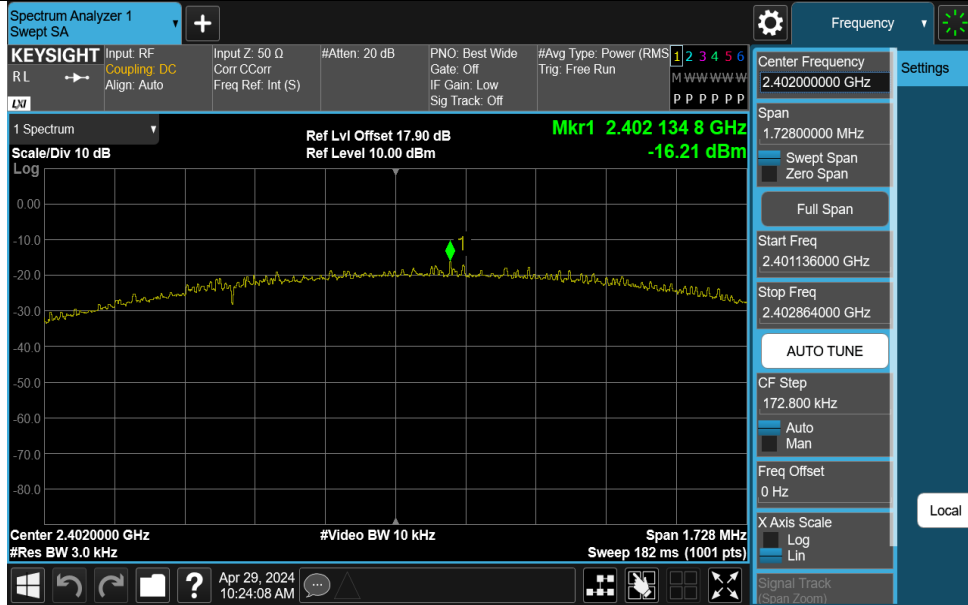
## BLE 1M-Ant1-2440-PASS



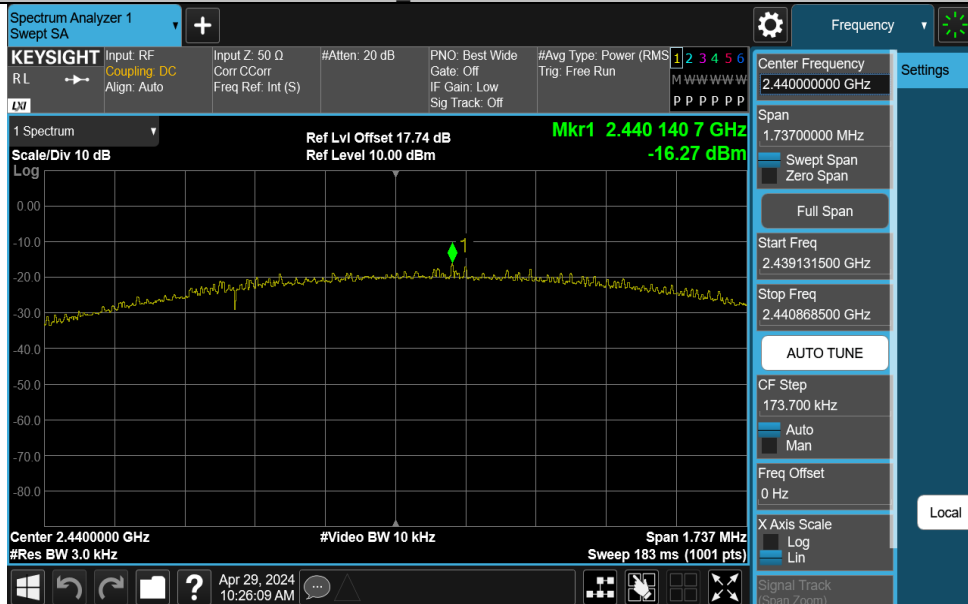
## BLE 1M-Ant1-2480-PASS



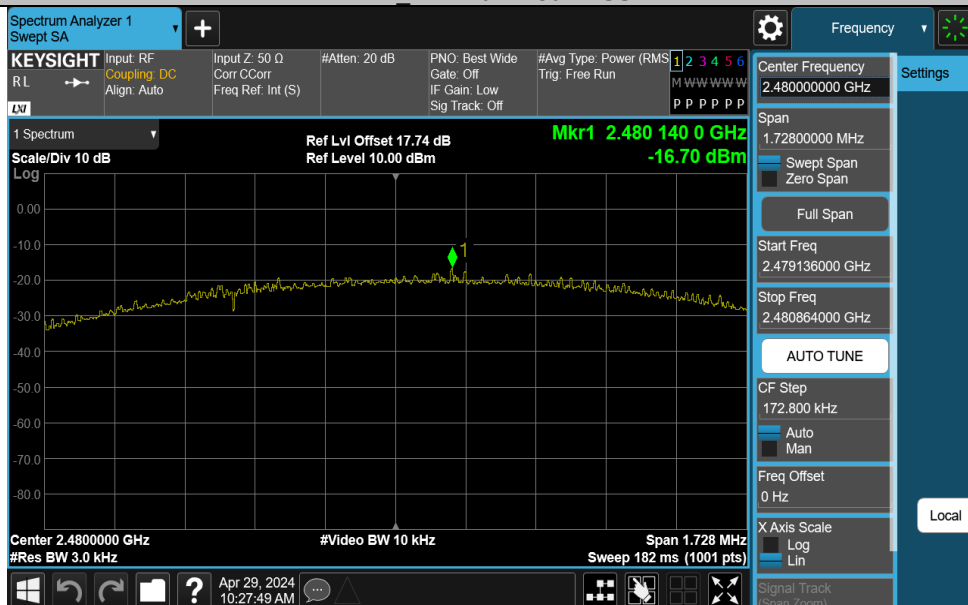
### BLE 2M-Ant1-2402-PASS



### BLE 2M-Ant1-2440-PASS



### BLE 2M-Ant1-2480-PASS



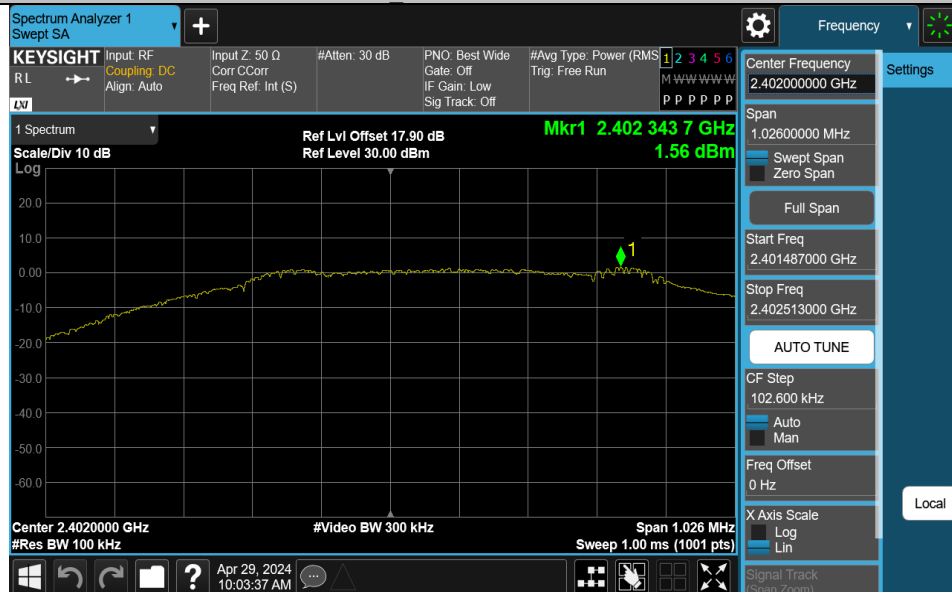
## Appendix D: Reference level measurement

## Test Result

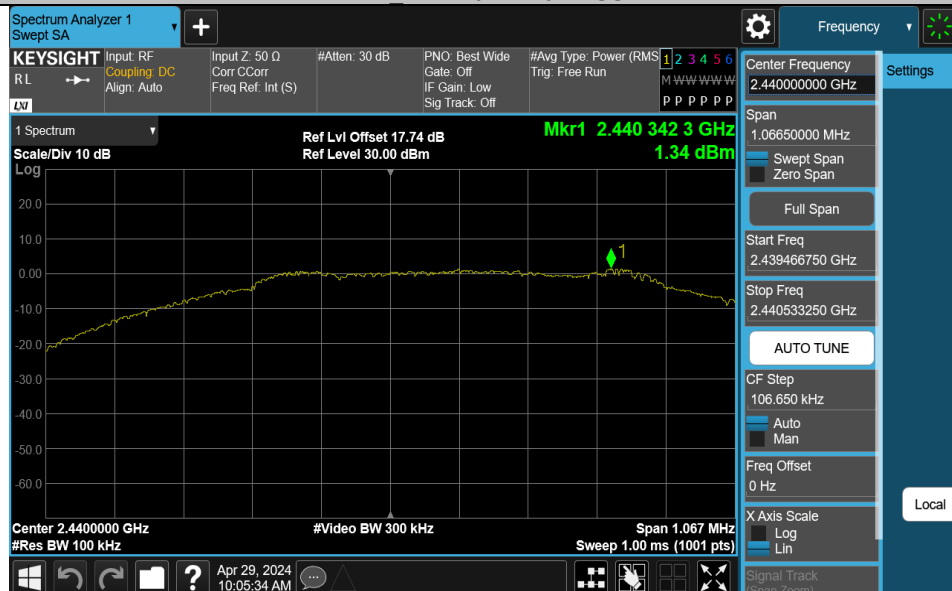
| Test Mode | Antenna | Freq(MHz) | Max.Point[MHz] | Result[dBm] |
|-----------|---------|-----------|----------------|-------------|
| BLE_1M    | Ant1    | 2402      | 2402.34        | 1.56        |
| BLE_1M    | Ant1    | 2440      | 2440.34        | 1.35        |
| BLE_1M    | Ant1    | 2480      | 2480.35        | 0.96        |
| BLE_2M    | Ant1    | 2402      | 2402.13        | 1.33        |
| BLE_2M    | Ant1    | 2440      | 2440.16        | 0.53        |
| BLE_2M    | Ant1    | 2480      | 2480.12        | 0.97        |

## Test Graphs

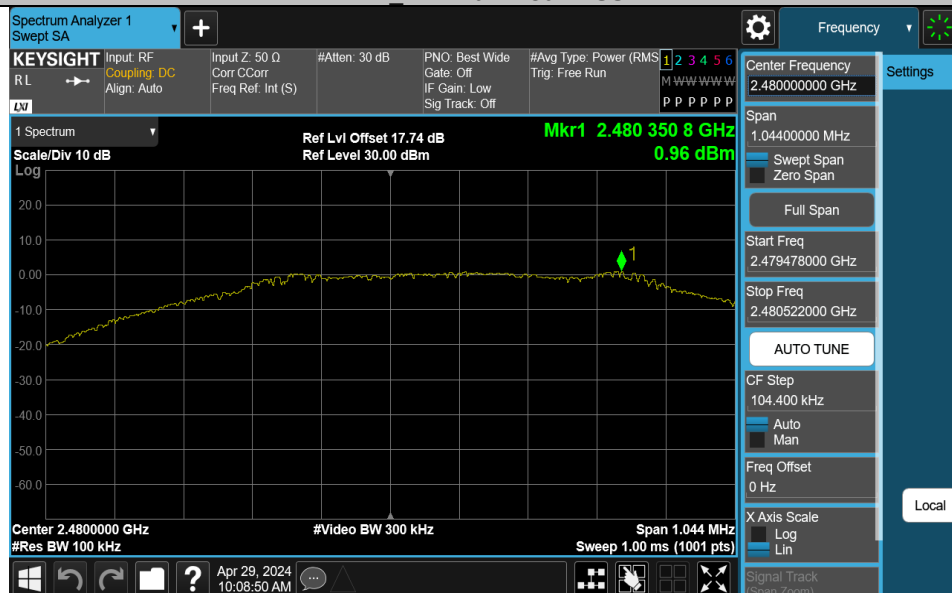
BLE 1M-Ant1-2402-PASS



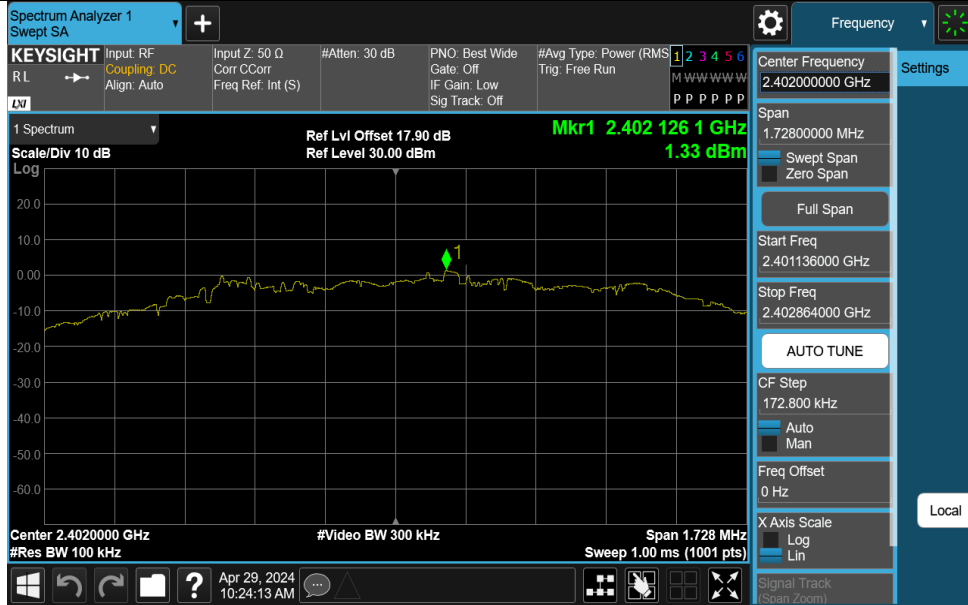
BLE 1M-Ant1-2440-PASS



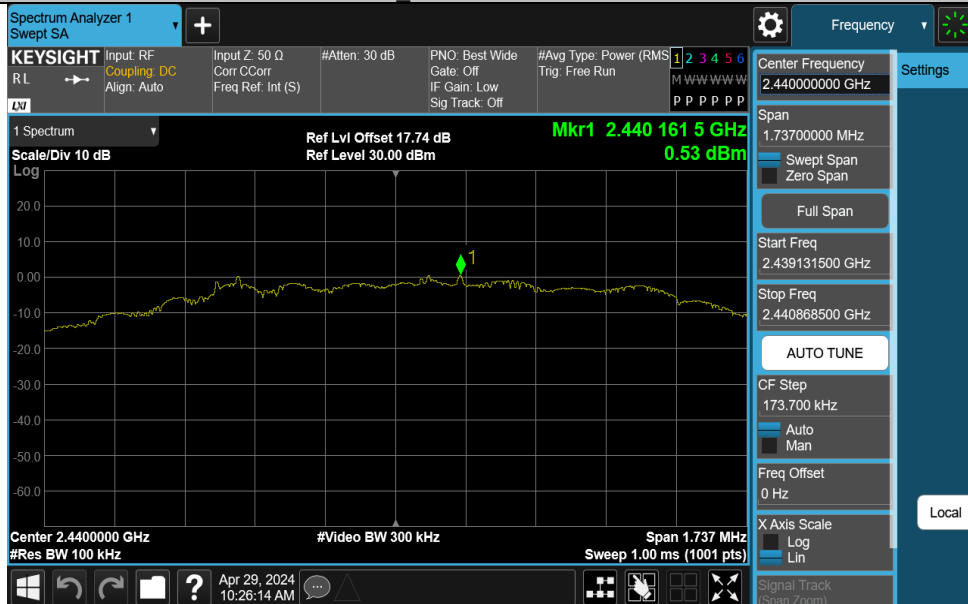
BLE 1M-Ant1-2480-PASS



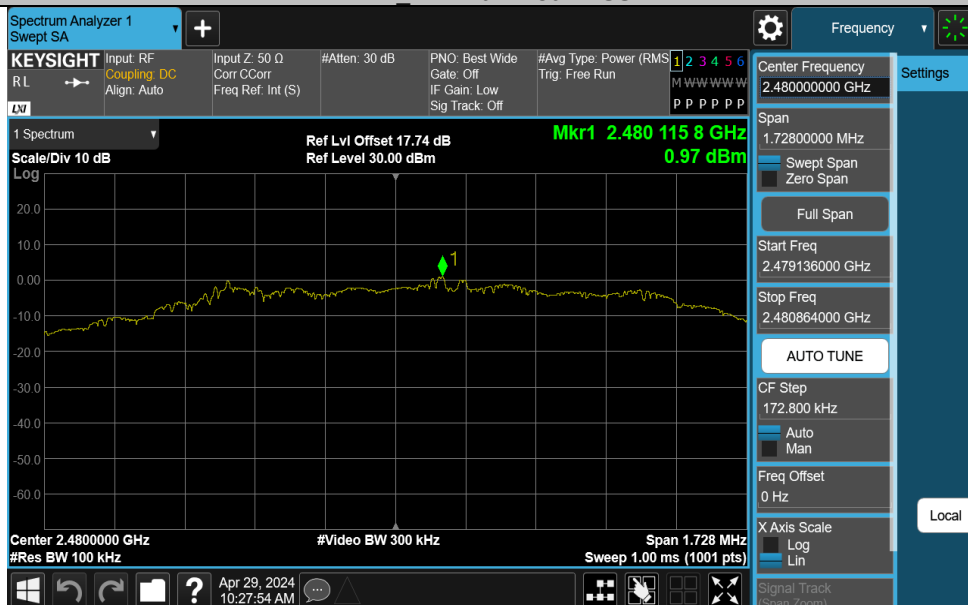
### BLE 2M-Ant1-2402-PASS



### BLE 2M-Ant1-2440-PASS



### BLE 2M-Ant1-2480-PASS



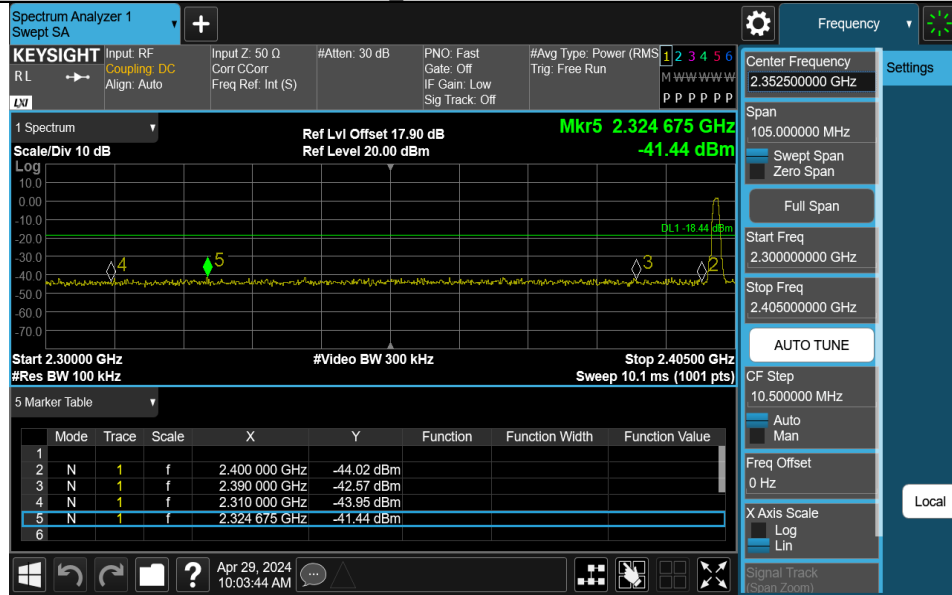
## Appendix E: Band edge measurements

## Test Result

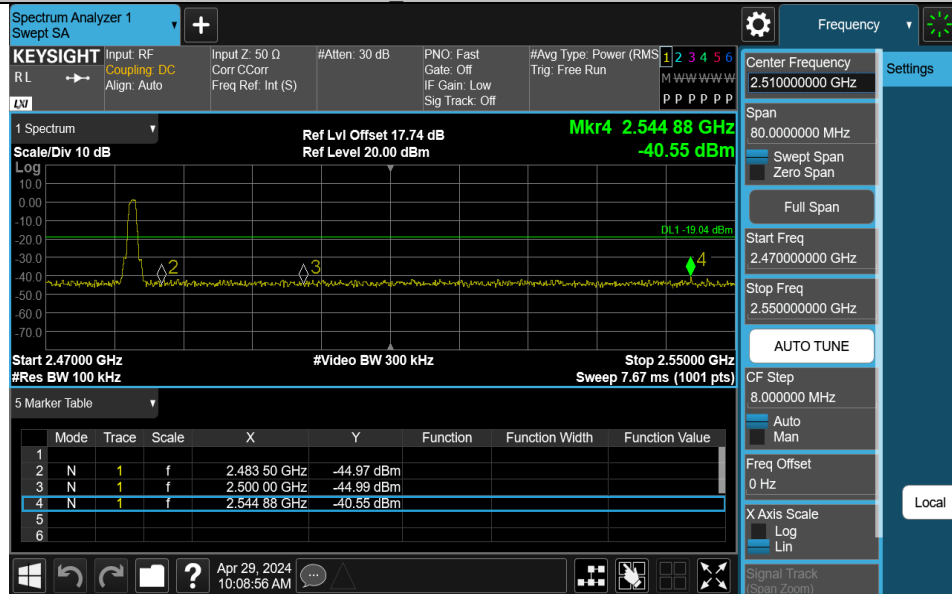
| Test Mode | Antenna | Ch Name | Frequency[MHz] | Ref Level[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|---------|---------|----------------|----------------|-------------|---------------|---------|
| BLE_1M    | Ant1    | Low     | 2402           | 1.56           | -41.44      | $\leq -18.44$ | PASS    |
| BLE_1M    | Ant1    | High    | 2480           | 0.96           | -40.55      | $\leq -19.04$ | PASS    |
| BLE_2M    | Ant1    | Low     | 2402           | 1.33           | -39.26      | $\leq -18.67$ | PASS    |
| BLE_2M    | Ant1    | High    | 2480           | 0.97           | -41.42      | $\leq -19.03$ | PASS    |

## Test Graphs

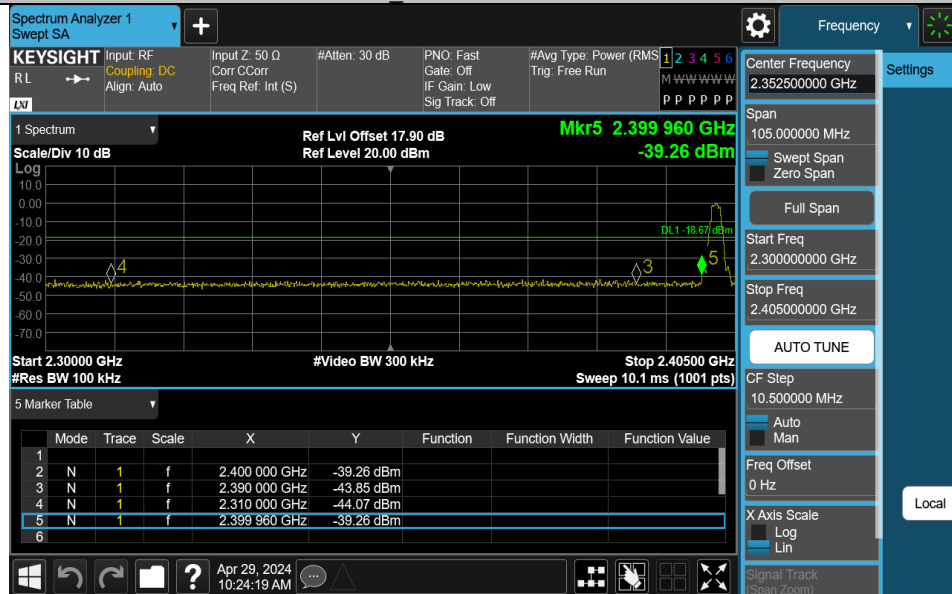
## BLE 1M-Ant1-2402-PASS



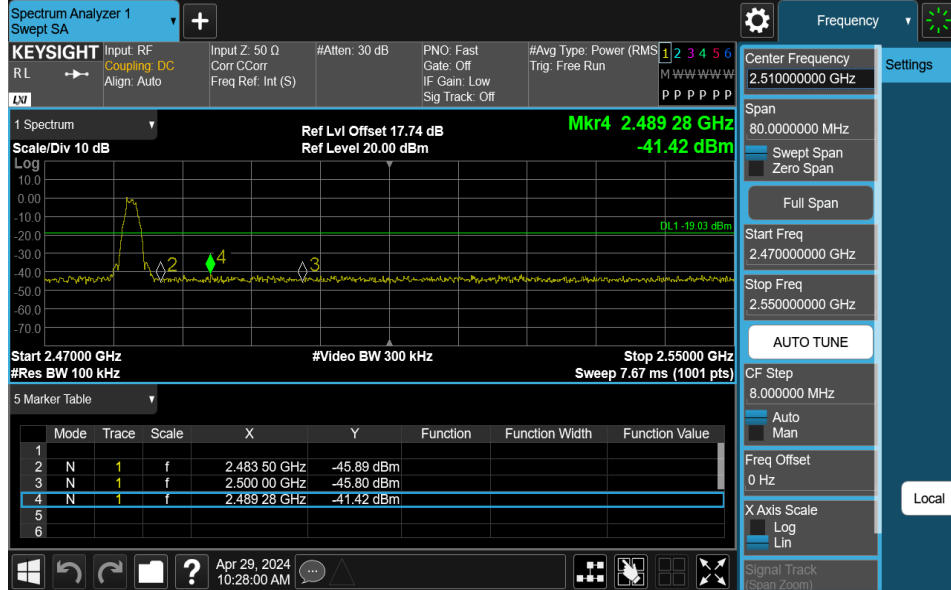
## BLE 1M-Ant1-2480-PASS



## BLE 2M-Ant1-2402-PASS



# BLE 2M-Ant1-2480-PASS

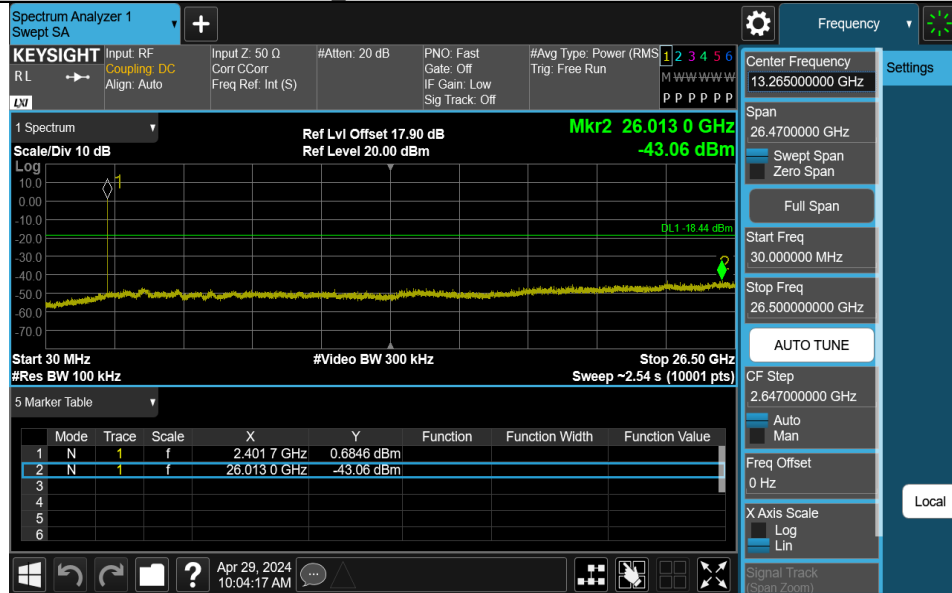


## Appendix F: Conducted Spurious Emission Test Result

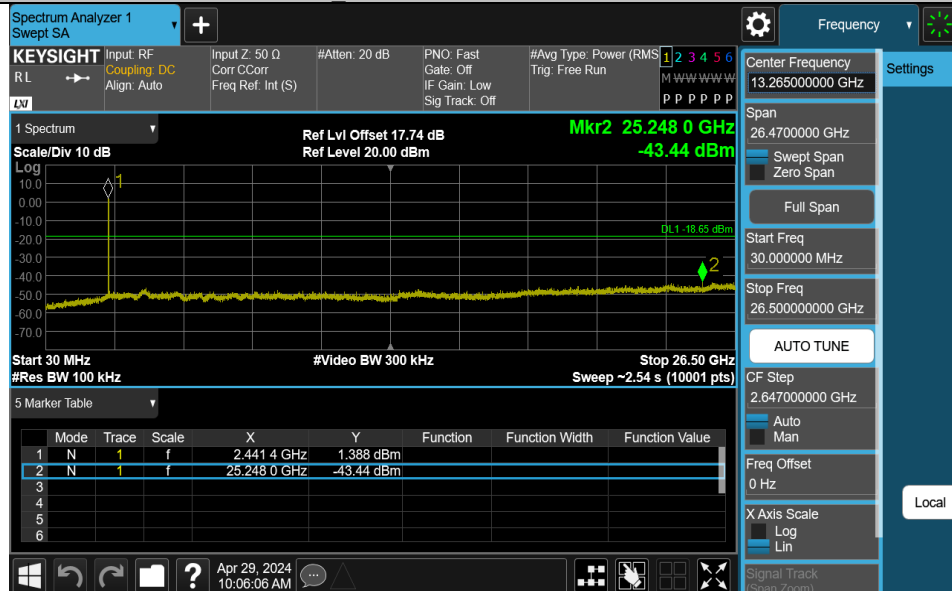
| Test Mode | Antenna | Frequency[MHz] | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|----------------|--------------------|-------------------|-------------|------------|---------|
| BLE_1M    | Ant1    | 2402           | 30~26500           | 1.56              | -43.06      | ≤-18.44    | PASS    |
| BLE_1M    | Ant1    | 2440           | 30~26500           | 1.35              | -43.44      | ≤-18.65    | PASS    |
| BLE_1M    | Ant1    | 2480           | 30~26500           | 0.96              | -42.95      | ≤-19.04    | PASS    |
| BLE_2M    | Ant1    | 2402           | 30~26500           | 1.33              | -43.46      | ≤-18.67    | PASS    |
| BLE_2M    | Ant1    | 2440           | 30~26500           | 0.53              | -43.74      | ≤-19.47    | PASS    |
| BLE_2M    | Ant1    | 2480           | 30~26500           | 0.97              | -42.94      | ≤-19.03    | PASS    |

# Test Graphs

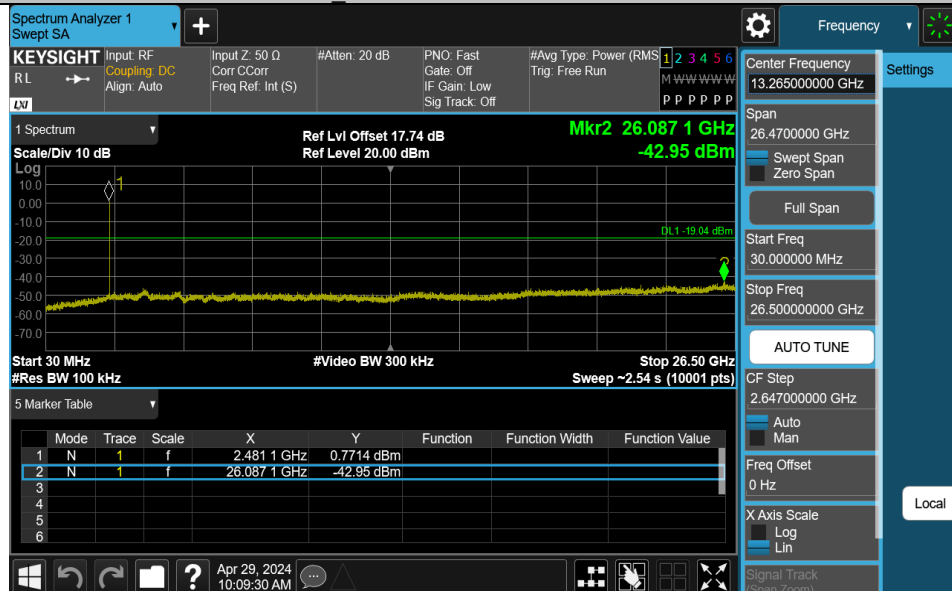
## BLE 1M-Ant1-2402-30~26500-PASS



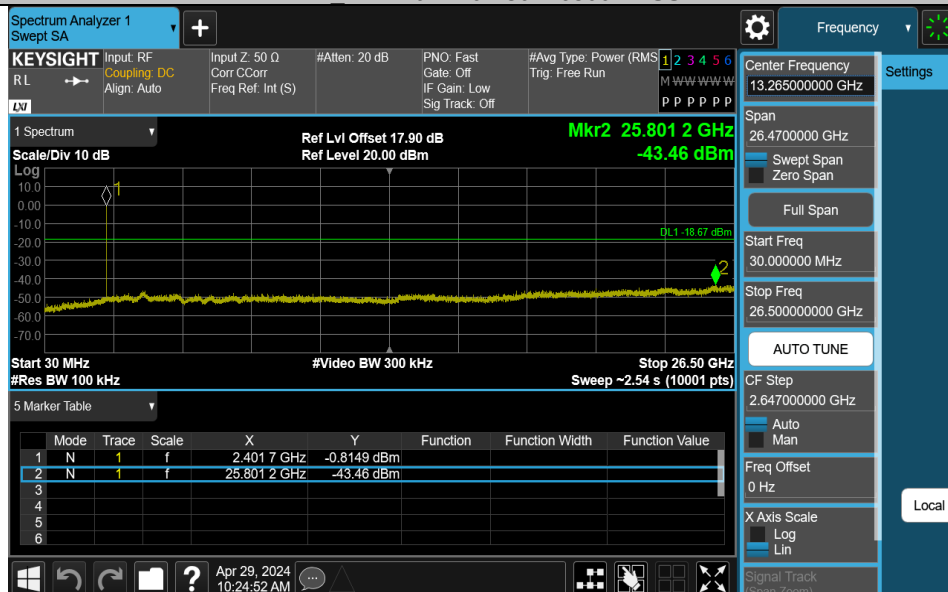
## BLE 1M-Ant1-2440-30~26500-PASS



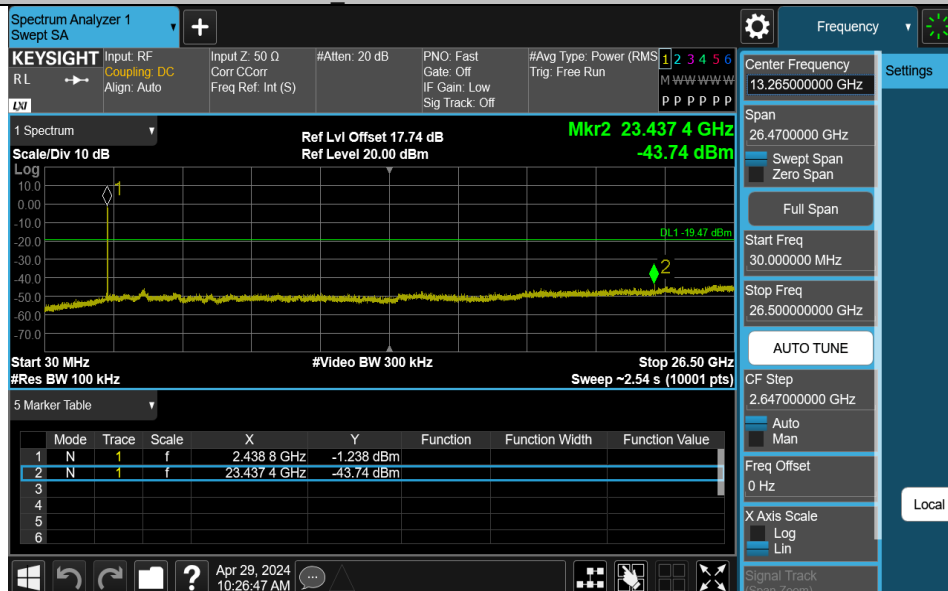
## BLE 1M-Ant1-2480-30~26500-PASS



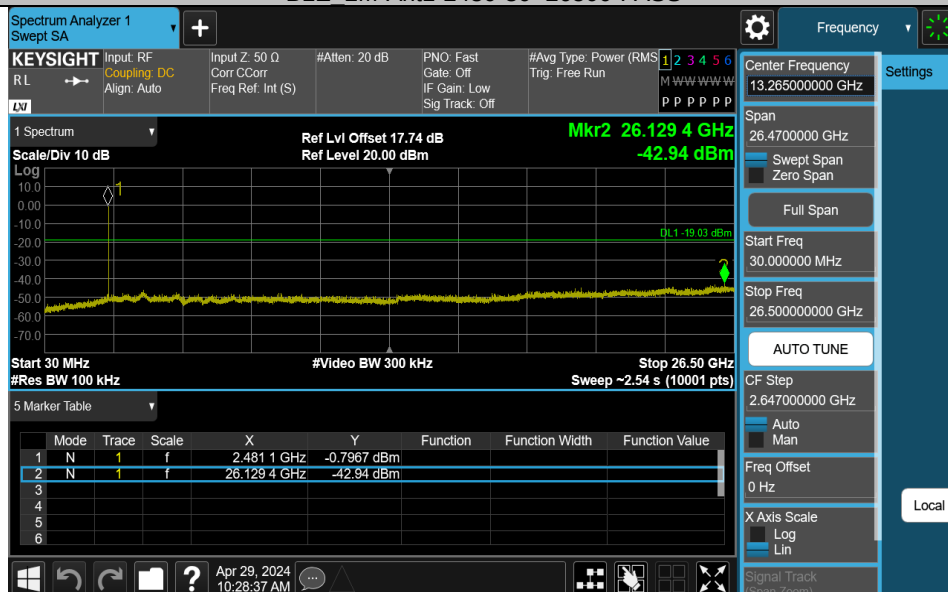
### BLE 2M-Ant1-2402-30~26500-PASS



### BLE 2M-Ant1-2440-30~26500-PASS



### BLE 2M-Ant1-2480-30~26500-PASS



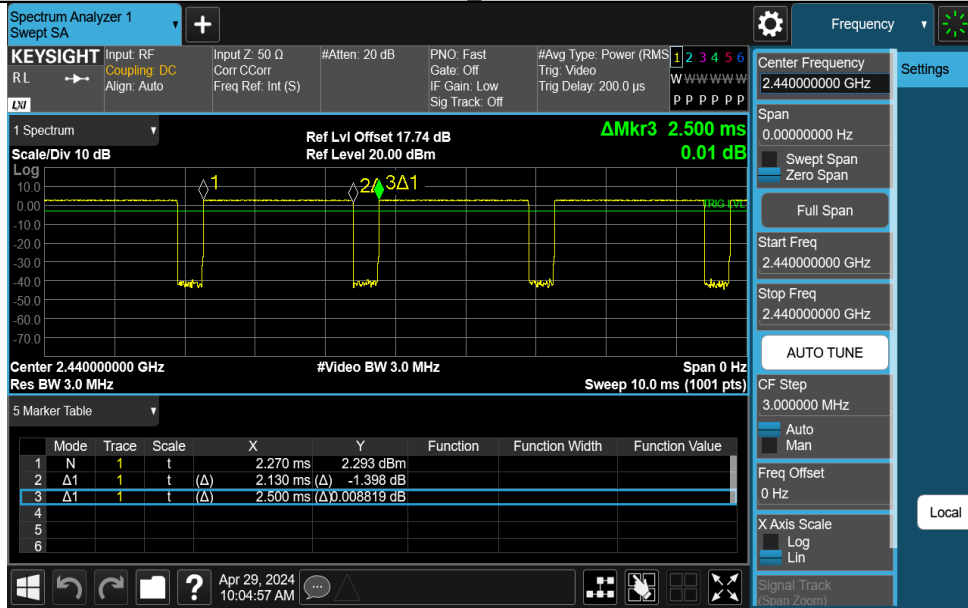
## Appendix G: Duty Cycle

## Test Result

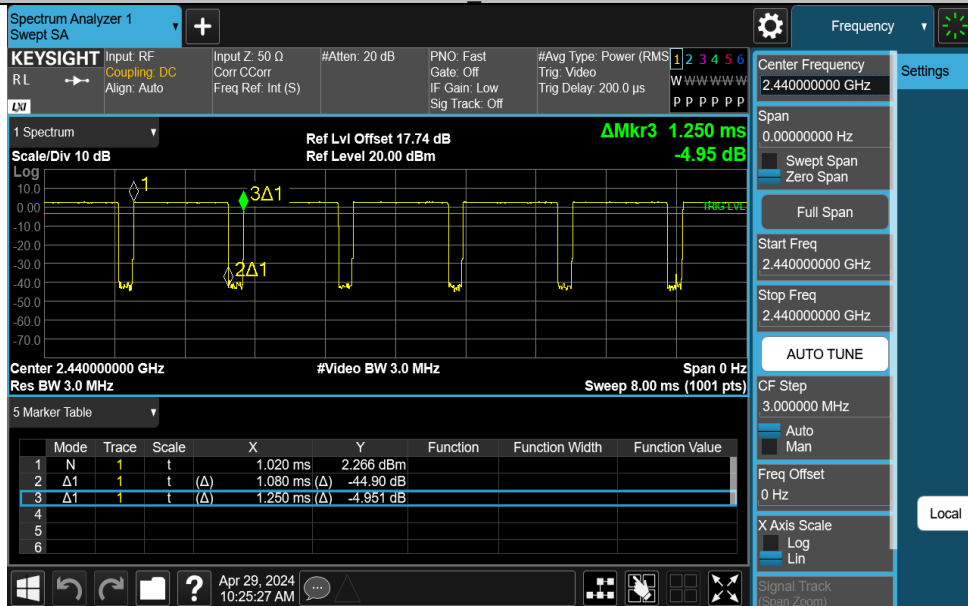
| Test Mode | Antenna | Frequency[MHz] | ON Time<br>[ms] | Period<br>[ms] | Duty Cycle<br>[%] | Duty Cycle<br>Factor[dB] |
|-----------|---------|----------------|-----------------|----------------|-------------------|--------------------------|
| BLE_1M    | Ant1    | 2440           | 2.13            | 2.50           | 85.20             | 0.70                     |
| BLE_2M    | Ant1    | 2440           | 1.08            | 1.25           | 86.40             | 0.63                     |

## Test Graphs

### NTNV-BLE 1M-Ant1-2440



### NTNV-BLE 2M-Ant1-2440

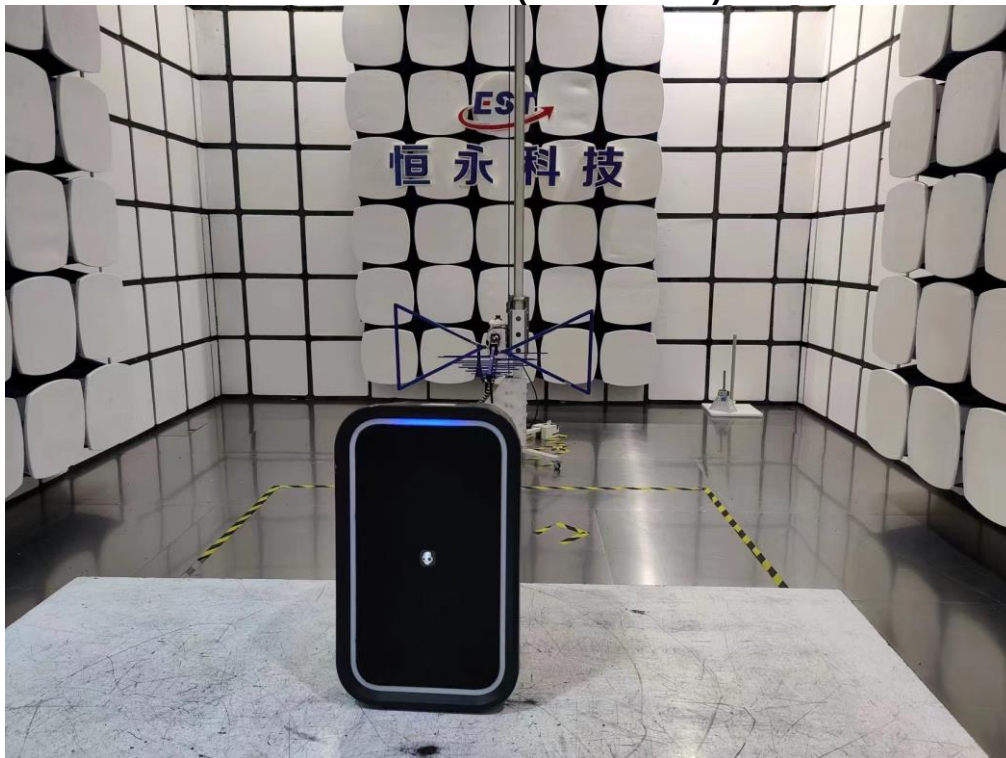


## 12. TEST SETUP PHOTO

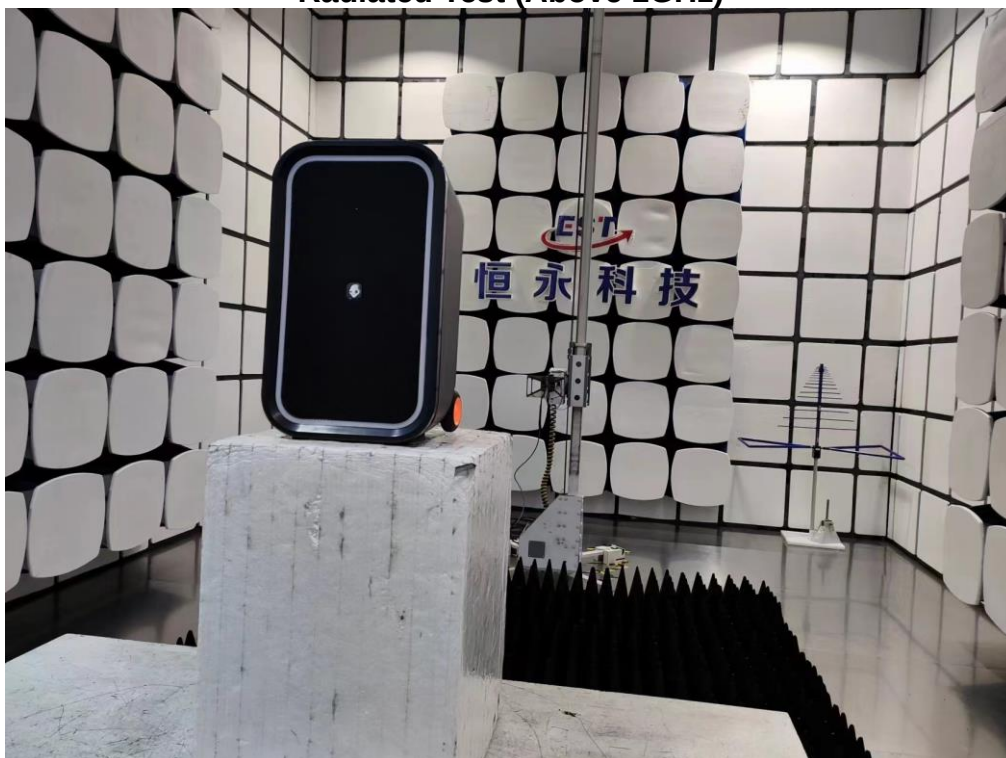
Conducted Test



**Radiated Test (Below 1GHz)**



**Radiated Test (Above 1GHz)**



### 13. EUT PHOTO

External Photos  
M/N: 2SKSK1852



**External Photos**  
M/N: 2SKSK1852



**External Photos**  
M/N: 2SKSK1852

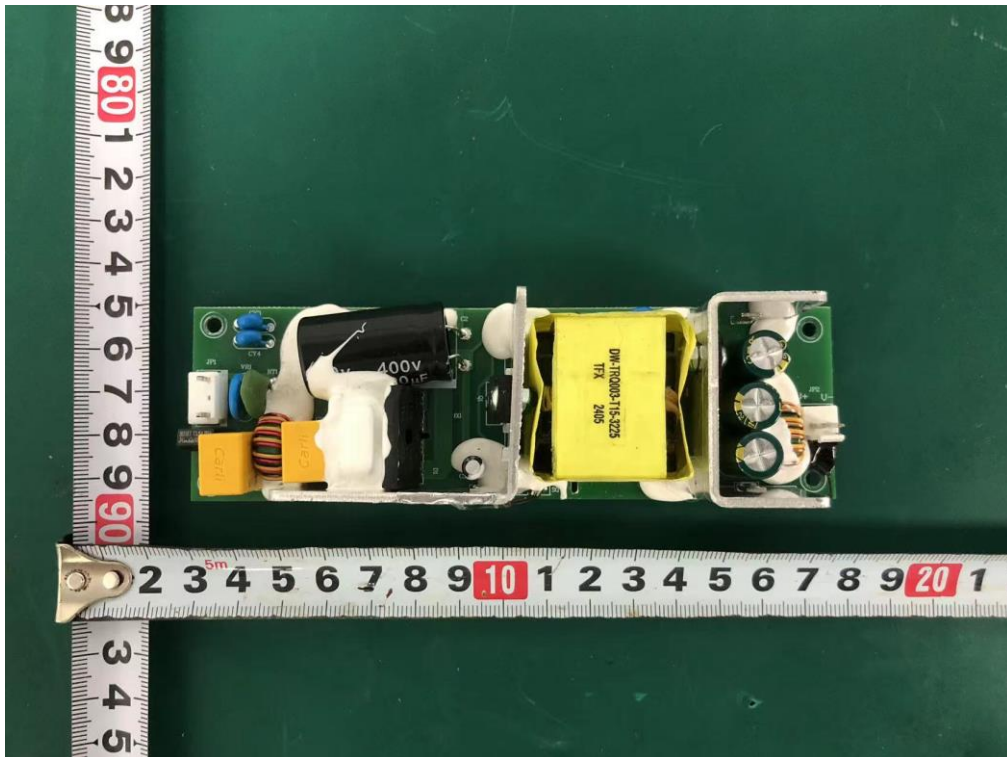


**External Photos**  
M/N: 2SKSK1852



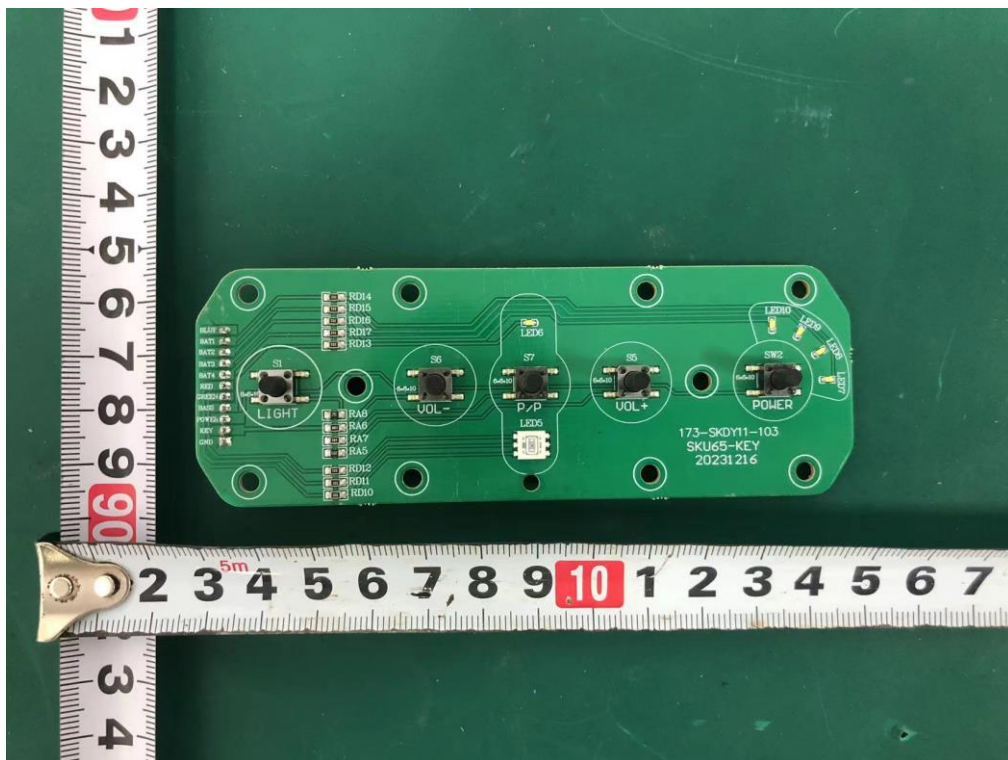
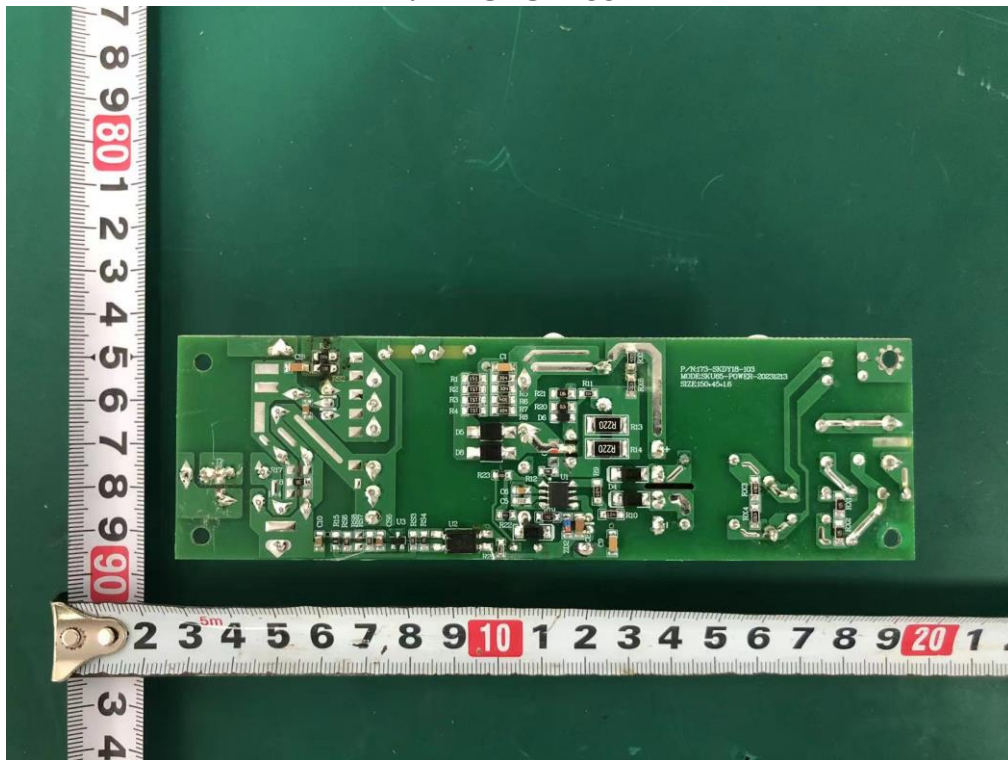
### Internal Photos

M/N: 2SKSK1852

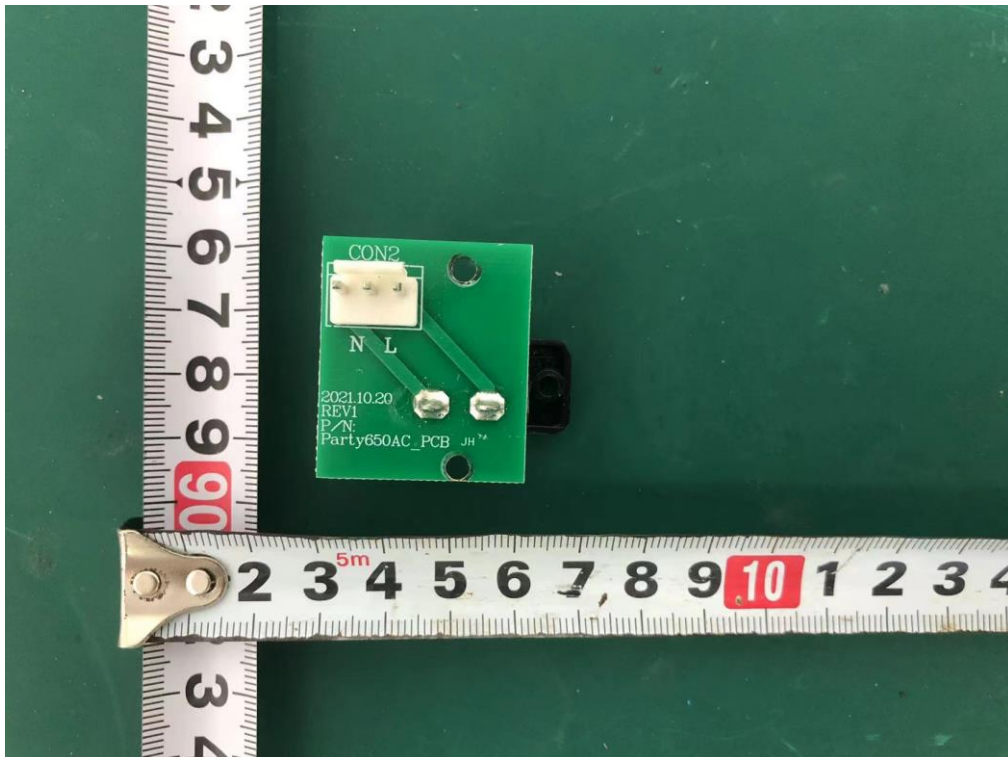


## Internal Photos

M/N: 2SKSK1852

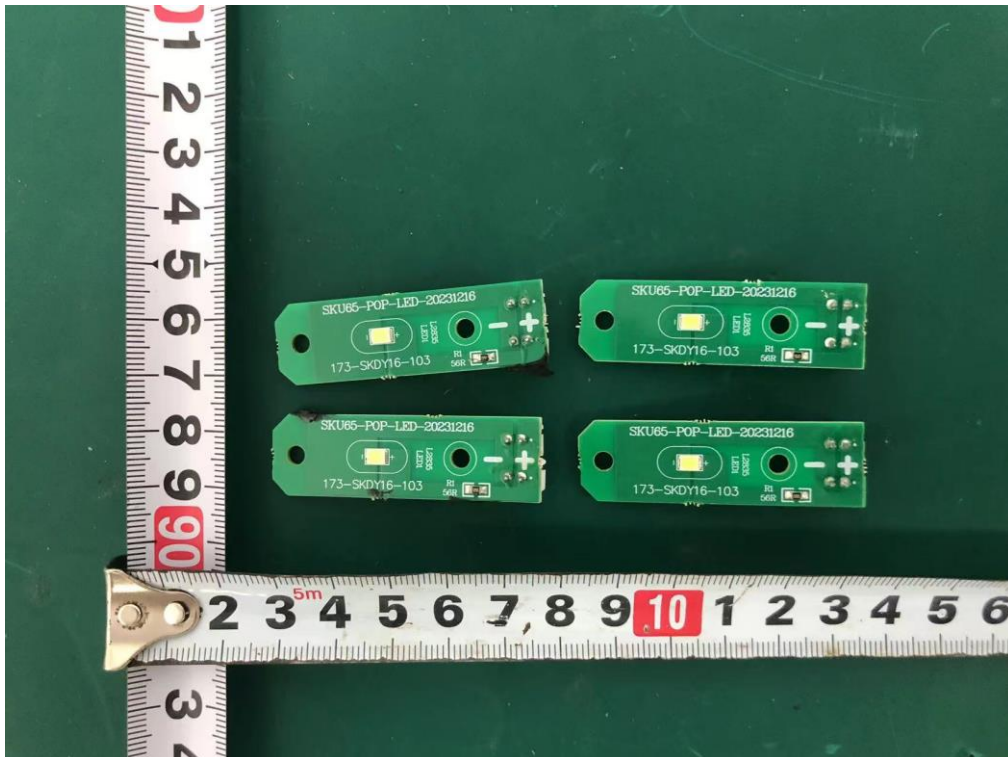
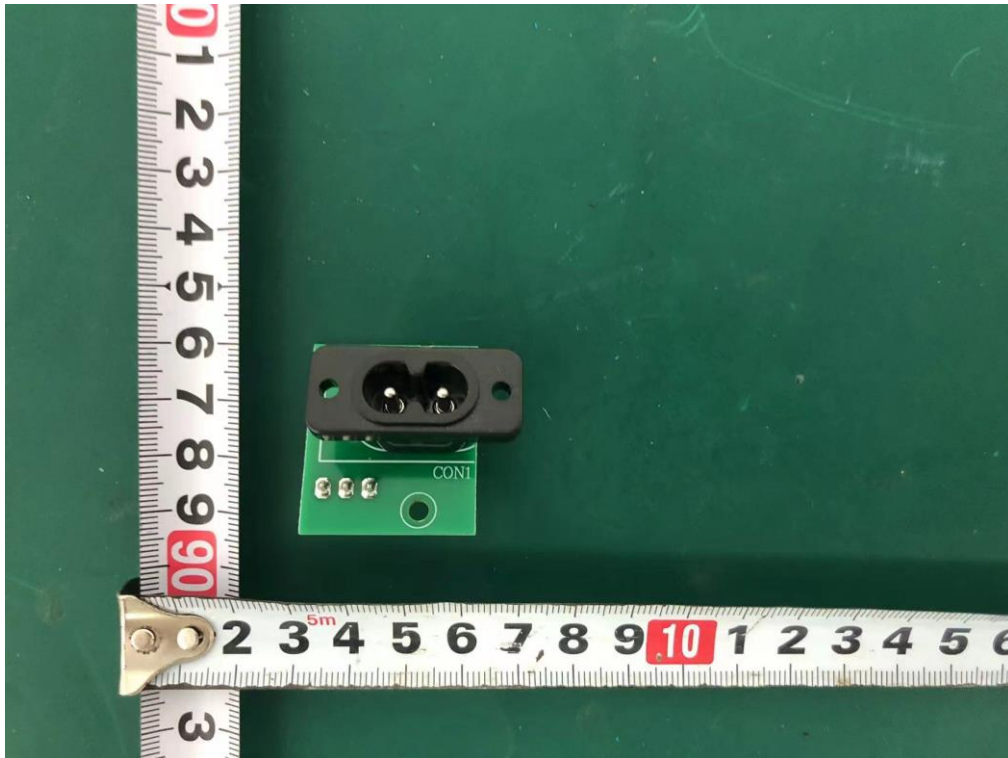


**Internal Photos**  
M/N: 2SKSK1852



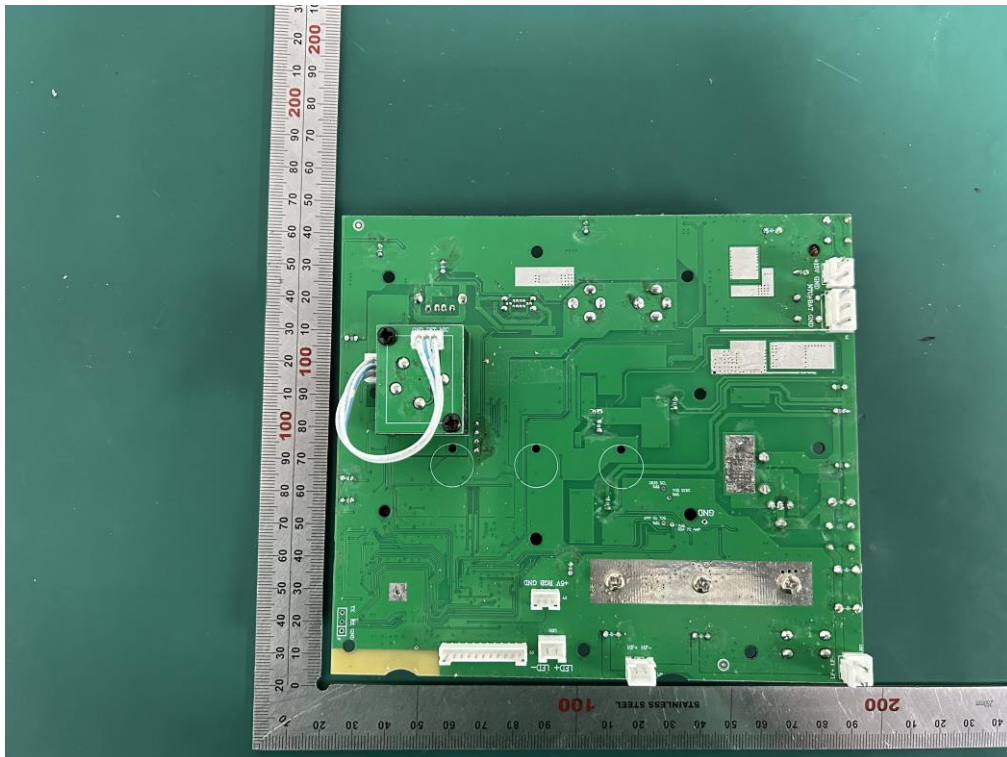
**Internal Photos**

M/N: 2SKSK1852



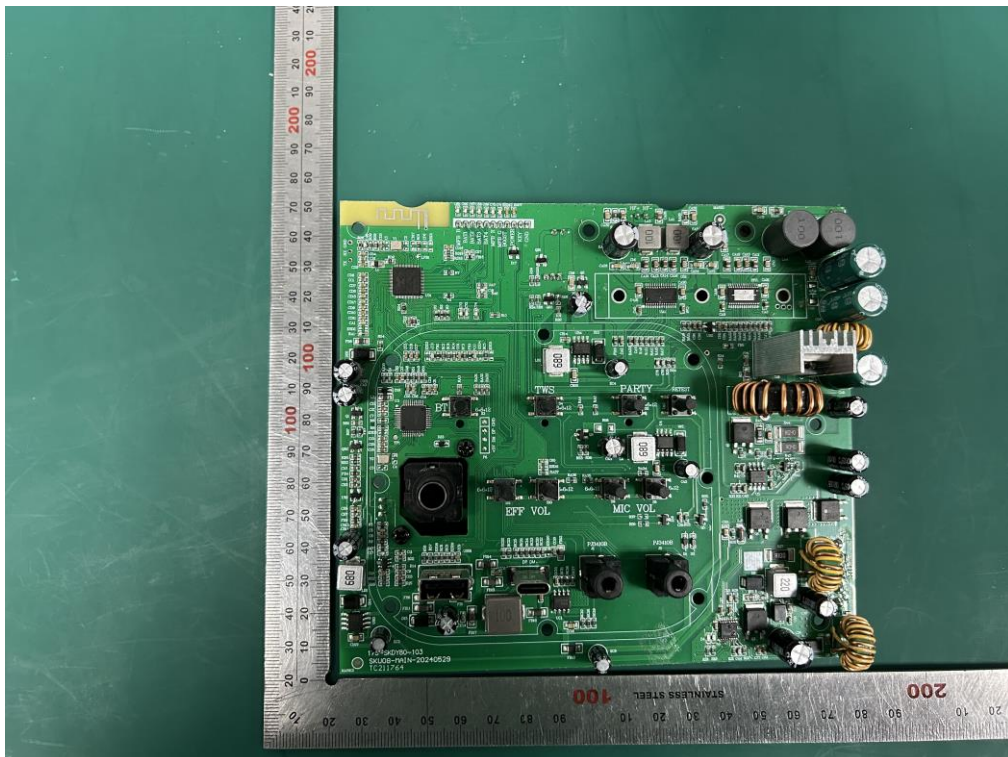
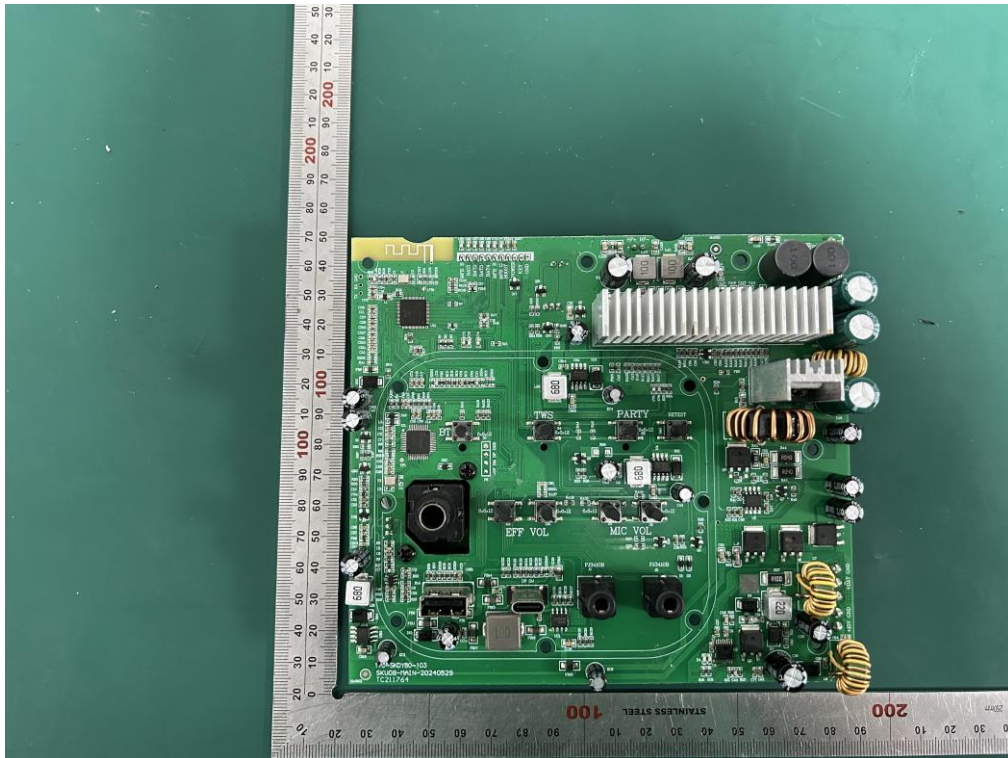
### Internal Photos

M/N: 2SKSK1852



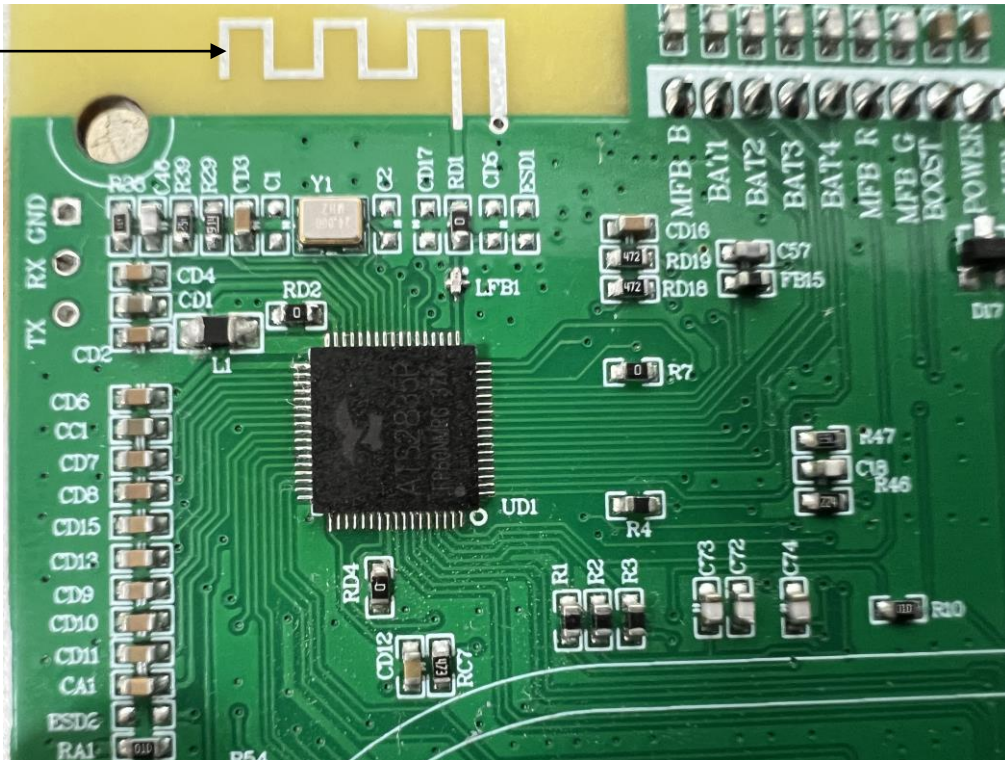
### Internal Photos

M/N: 2SKSK1852



# Internal Photos M/N: 2SKSK1852

Bluetooth  
Antenna



End of Test Report