

## Appendix A: DTS Bandwidth

### Test Result

| TestMode | Antenna | Channel[MHz] | DTS BW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|--------------|-------------|----------|----------|------------|---------|
| BLE_1M   | Ant1    | 2402         | 0.656       | 2401.680 | 2402.336 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2440         | 0.660       | 2439.676 | 2440.336 | 0.5        | PASS    |
| BLE_1M   | Ant1    | 2480         | 0.712       | 2479.644 | 2480.356 | 0.5        | PASS    |
| BLE_2M   | Ant1    | 2402         | 1.172       | 2401.440 | 2402.612 | 0.5        | PASS    |
| BLE_2M   | Ant1    | 2440         | 1.168       | 2439.428 | 2440.596 | 0.5        | PASS    |
| BLE_2M   | Ant1    | 2480         | 1.156       | 2479.448 | 2480.604 | 0.5        | PASS    |

# Test Graphs

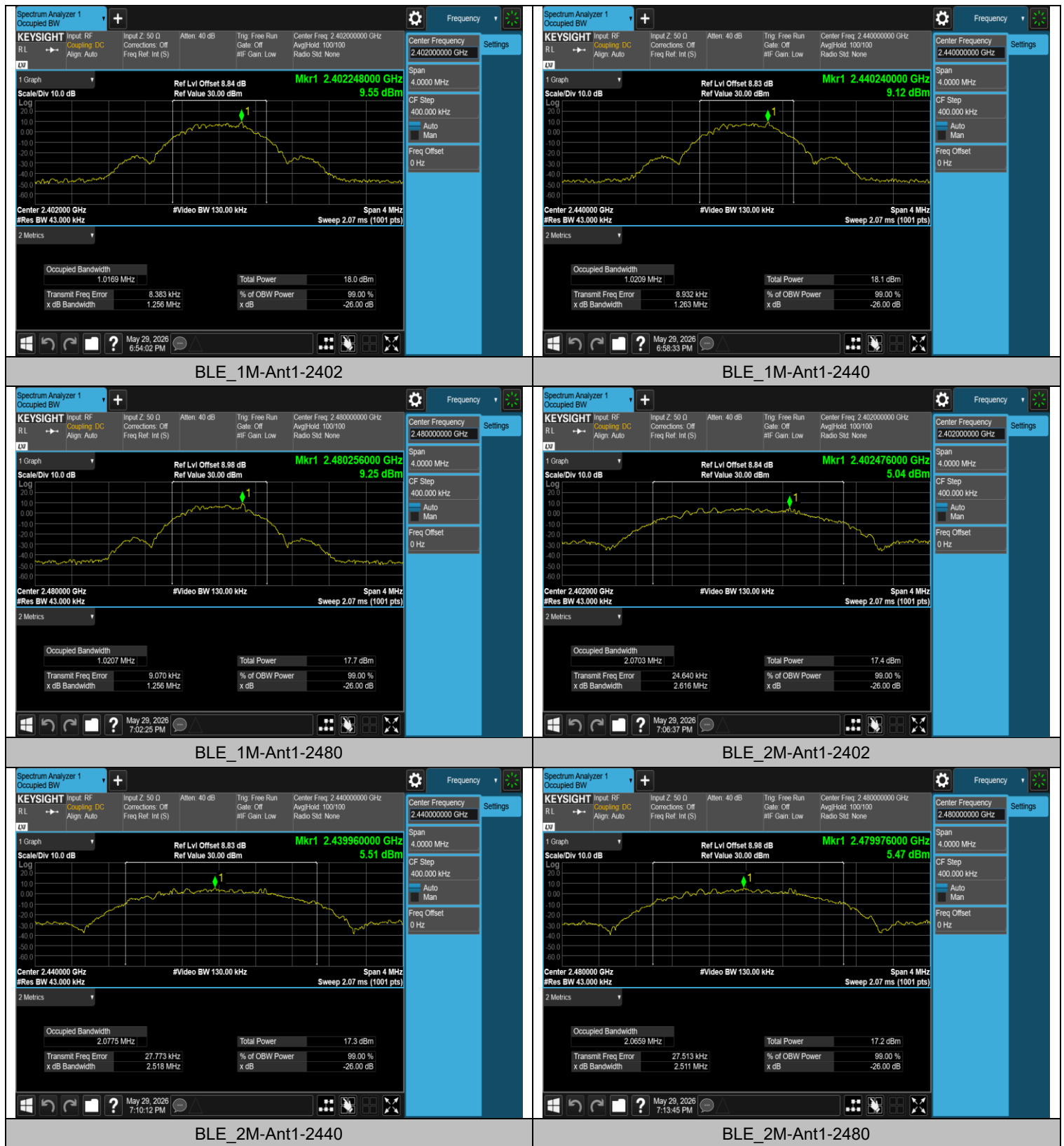


## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Channel[MHz] | OCB[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|--------------|----------|-----------|-----------|------------|---------|
| BLE_1M   | Ant1    | 2402         | 1.0169   | 2401.4999 | 2402.5168 | ---        | ---     |
| BLE_1M   | Ant1    | 2440         | 1.0209   | 2439.4985 | 2440.5194 | ---        | ---     |
| BLE_1M   | Ant1    | 2480         | 1.0207   | 2479.4987 | 2480.5194 | ---        | ---     |
| BLE_2M   | Ant1    | 2402         | 2.0703   | 2400.9895 | 2403.0598 | ---        | ---     |
| BLE_2M   | Ant1    | 2440         | 2.0775   | 2438.9890 | 2441.0665 | ---        | ---     |
| BLE_2M   | Ant1    | 2480         | 2.0659   | 2478.9946 | 2481.0605 | ---        | ---     |

## Test Graphs



## Appendix C: Maximum conducted output power

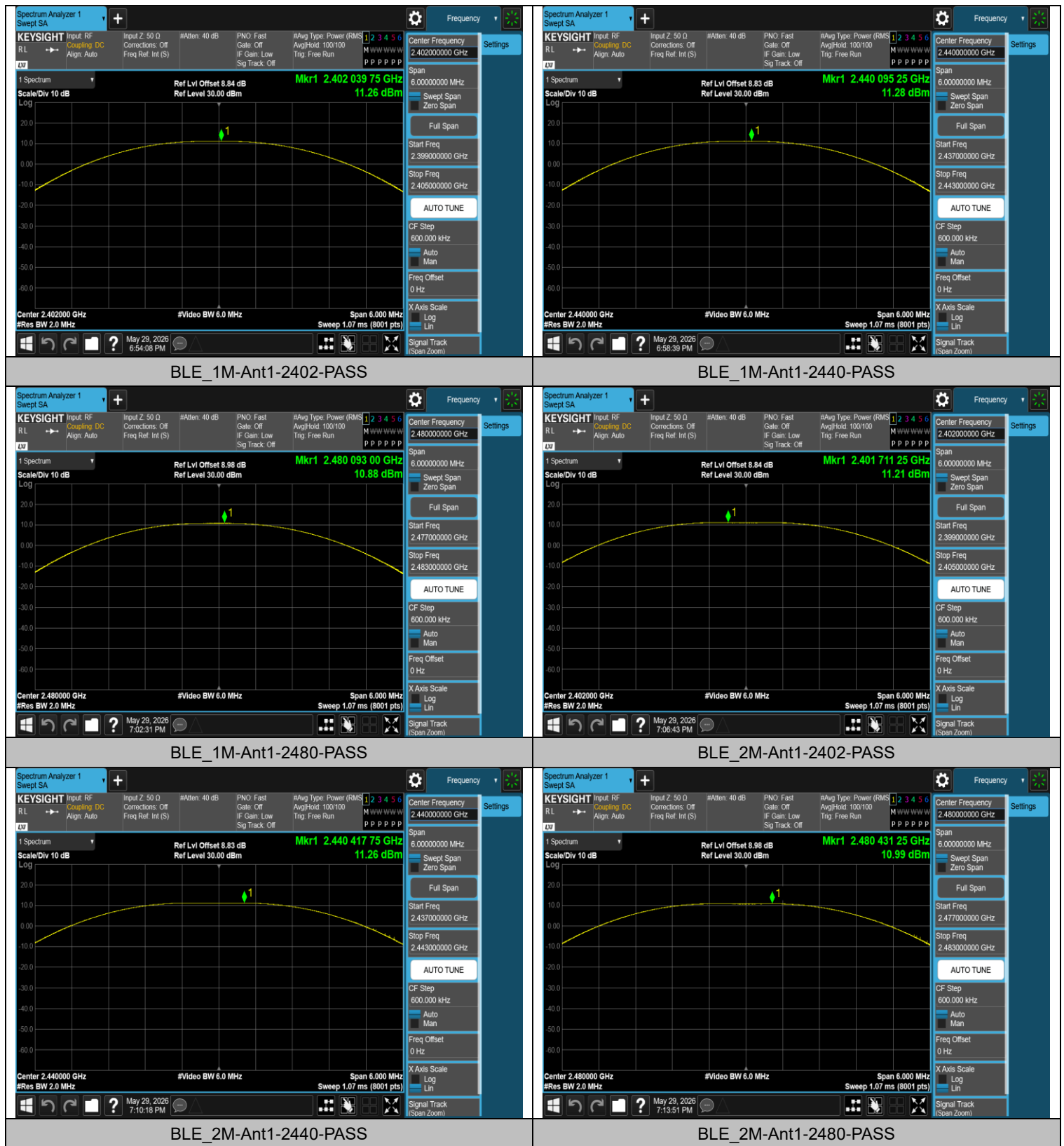
### Test Result Peak

| TestMode | Antenna | Channel [MHz] | Conducted Power[dBm] | Conducted Limit[dBm] | Gain [dBi] | EIRP [dBm] | EIRP Limit[dBm] | Verdict |
|----------|---------|---------------|----------------------|----------------------|------------|------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402          | 11.26                | ≤30                  | 4.66       | 15.92      | ≤36             | PASS    |
| BLE_1M   | Ant1    | 2440          | 11.28                | ≤30                  | 4.66       | 15.94      | ≤36             | PASS    |
| BLE_1M   | Ant1    | 2480          | 10.88                | ≤30                  | 4.66       | 15.54      | ≤36             | PASS    |
| BLE_2M   | Ant1    | 2402          | 11.21                | ≤30                  | 4.66       | 15.87      | ≤36             | PASS    |
| BLE_2M   | Ant1    | 2440          | 11.26                | ≤30                  | 4.66       | 15.92      | ≤36             | PASS    |
| BLE_2M   | Ant1    | 2480          | 10.99                | ≤30                  | 4.66       | 15.65      | ≤36             | PASS    |

EIRP[dBm]= Conducted Peak Power+ Antenna gain

Antenna gain:4.66dBi

## Test Graphs Peak

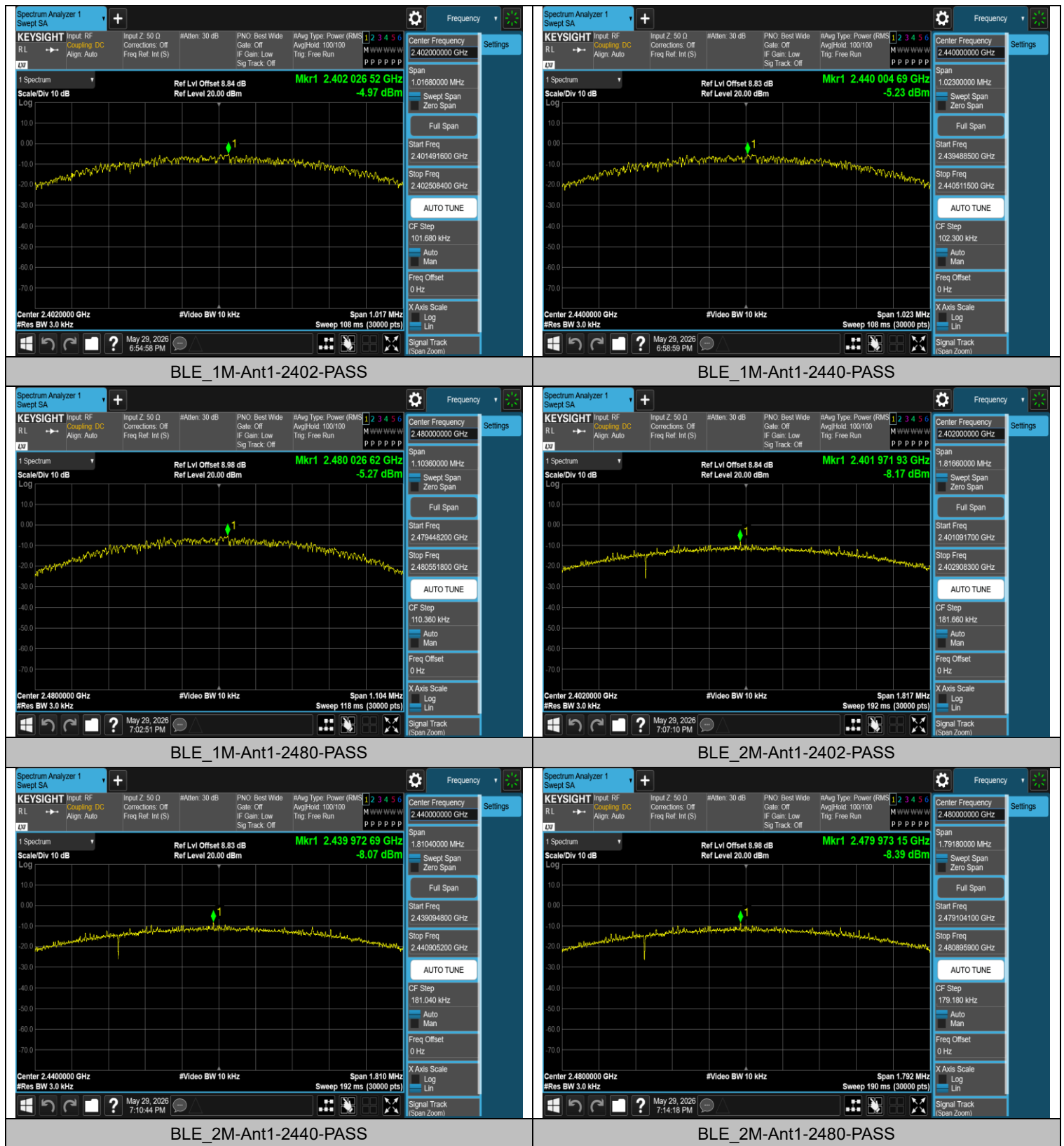


## Appendix D: Maximum power spectral density

### Test Result

| TestMode | Antenna | Channel[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|--------------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402         | -4.97            | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2440         | -5.23            | ≤8.00           | PASS    |
| BLE_1M   | Ant1    | 2480         | -5.27            | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2402         | -8.17            | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2440         | -8.07            | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2480         | -8.39            | ≤8.00           | PASS    |

## Test Graphs

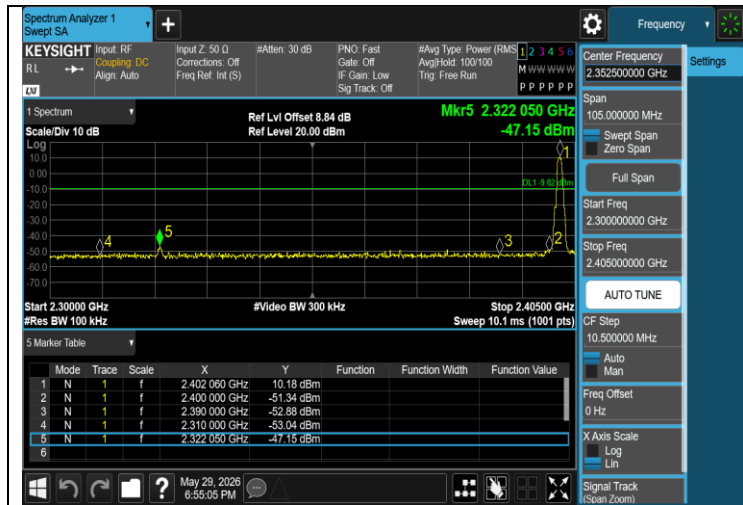


## Appendix E: Band edge measurements

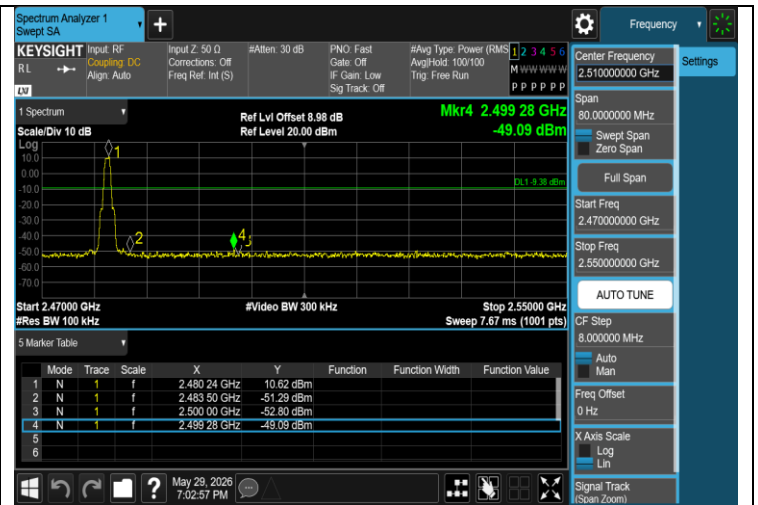
### Test Result

| TestMode | Antenna | ChName | Channel[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------|--------------|---------------|-------------|------------|---------|
| BLE_1M   | Ant1    | Low    | 2402         | 10.18         | -47.16      | ≤-9.82     | PASS    |
| BLE_1M   | Ant1    | High   | 2480         | 10.62         | -49.09      | ≤-9.38     | PASS    |
| BLE_2M   | Ant1    | Low    | 2402         | 9.62          | -23.95      | ≤-10.38    | PASS    |
| BLE_2M   | Ant1    | High   | 2480         | 8.40          | -49.43      | ≤-11.6     | PASS    |

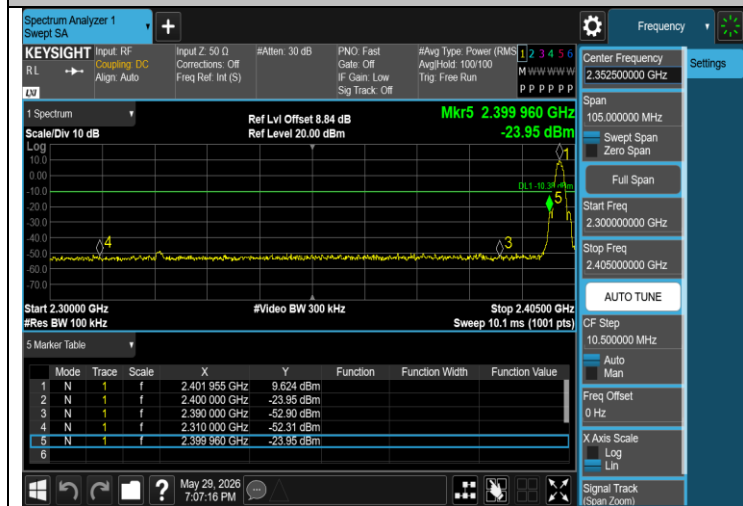
## Test Graphs



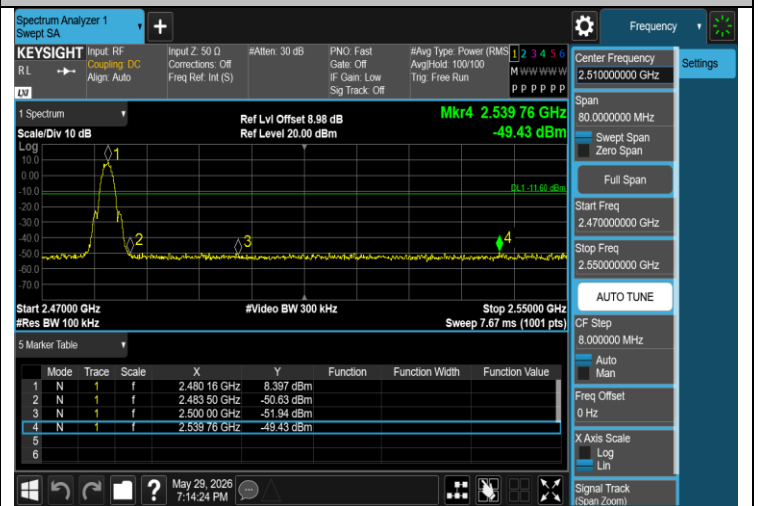
BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2480-PASS



BLE\_2M-Ant1-2402-PASS



BLE\_2M-Ant1-2480-PASS

## Appendix F: Conducted Spurious Emission

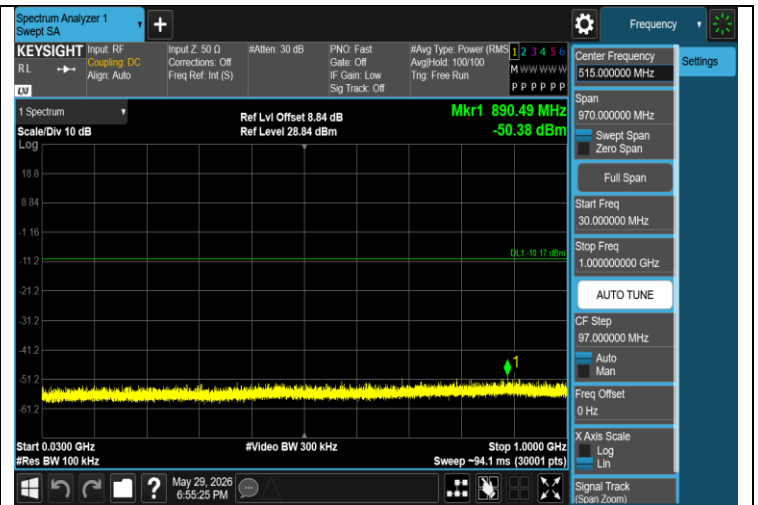
### Test Result

| TestMode | Antenna | Channel[MHz] | FreqRange[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|----------|---------|--------------|----------------|---------------|-------------|---------------|---------|
| BLE_1M   | Ant1    | 2402         | 0~Reference    | 9.83          | 9.83        | ---           | PASS    |
| BLE_1M   | Ant1    | 2402         | 30~1000        | 9.83          | -50.38      | $\leq -10.17$ | PASS    |
| BLE_1M   | Ant1    | 2402         | 1000~25000     | 9.83          | -44.7       | $\leq -10.17$ | PASS    |
| BLE_1M   | Ant1    | 2440         | 0~Reference    | 10.04         | 10.04       | ---           | PASS    |
| BLE_1M   | Ant1    | 2440         | 30~1000        | 10.04         | -51.54      | $\leq -9.96$  | PASS    |
| BLE_1M   | Ant1    | 2440         | 1000~25000     | 10.04         | -44.71      | $\leq -9.96$  | PASS    |
| BLE_1M   | Ant1    | 2480         | 0~Reference    | 8.86          | 8.86        | ---           | PASS    |
| BLE_1M   | Ant1    | 2480         | 30~1000        | 8.86          | -50.93      | $\leq -11.14$ | PASS    |
| BLE_1M   | Ant1    | 2480         | 1000~25000     | 8.86          | -44.43      | $\leq -11.14$ | PASS    |
| BLE_2M   | Ant1    | 2402         | 0~Reference    | 7.16          | 7.16        | ---           | PASS    |
| BLE_2M   | Ant1    | 2402         | 30~1000        | 7.16          | -50.95      | $\leq -12.84$ | PASS    |
| BLE_2M   | Ant1    | 2402         | 1000~25000     | 7.16          | -44.1       | $\leq -12.84$ | PASS    |
| BLE_2M   | Ant1    | 2440         | 0~Reference    | 9.47          | 9.47        | ---           | PASS    |
| BLE_2M   | Ant1    | 2440         | 30~1000        | 9.47          | -50.36      | $\leq -10.53$ | PASS    |
| BLE_2M   | Ant1    | 2440         | 1000~25000     | 9.47          | -44.72      | $\leq -10.53$ | PASS    |
| BLE_2M   | Ant1    | 2480         | 0~Reference    | 7.32          | 7.32        | ---           | PASS    |
| BLE_2M   | Ant1    | 2480         | 30~1000        | 7.32          | -49.93      | $\leq -12.68$ | PASS    |
| BLE_2M   | Ant1    | 2480         | 1000~25000     | 7.32          | -44.15      | $\leq -12.68$ | PASS    |

## Test Graphs



BLE\_1M-Ant1-2402-0~Reference-PASS



BLE\_1M-Ant1-2402-30~1000-PASS



BLE\_1M-Ant1-2402-1000~25000-PASS



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



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



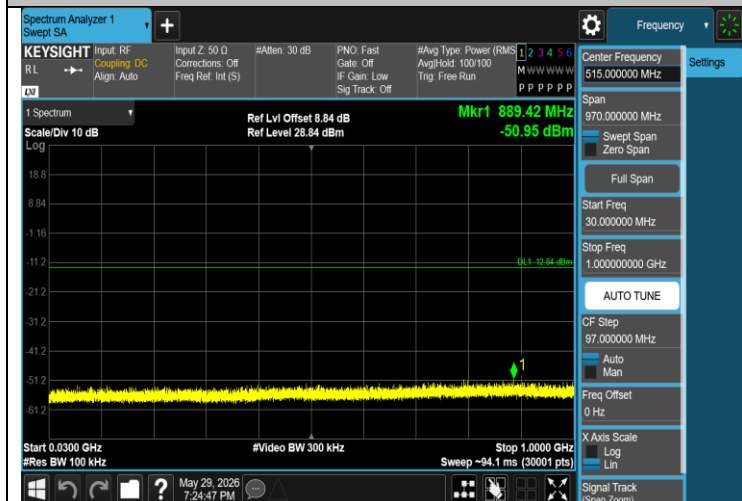
BLE\_1M-Ant1-2440-1000~25000-PASS



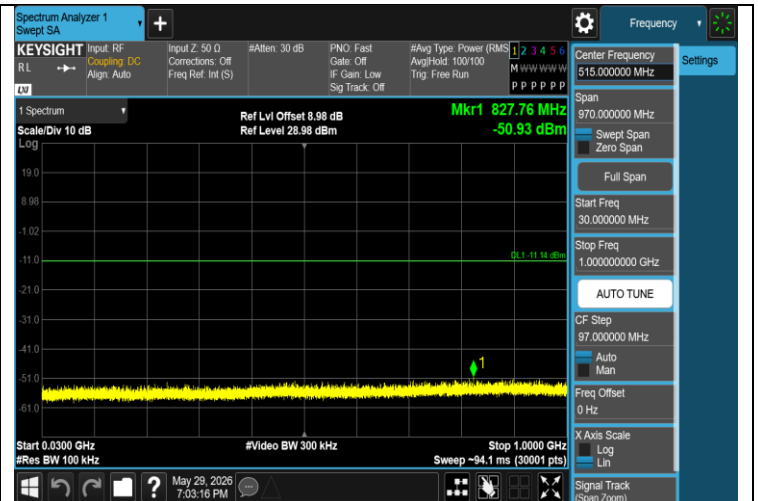
BLE\_1M-Ant1-2480-0~Reference-PASS



BLE\_1M-Ant1-2480-1000~25000-PASS



BLE\_2M-Ant1-2402-30~1000-PASS



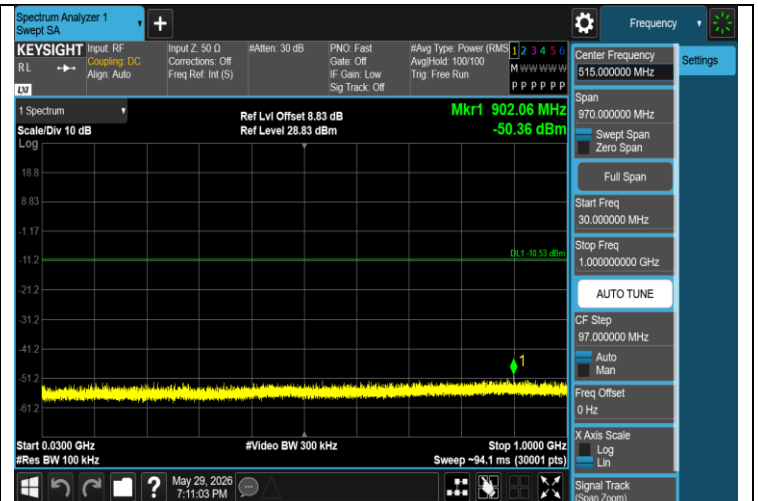
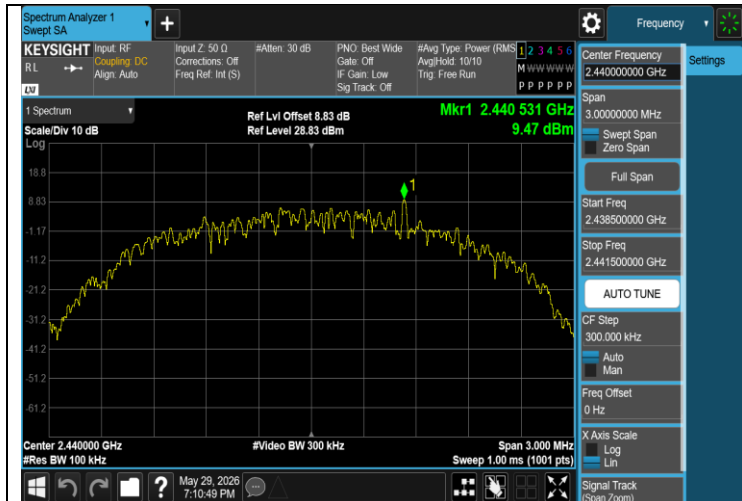
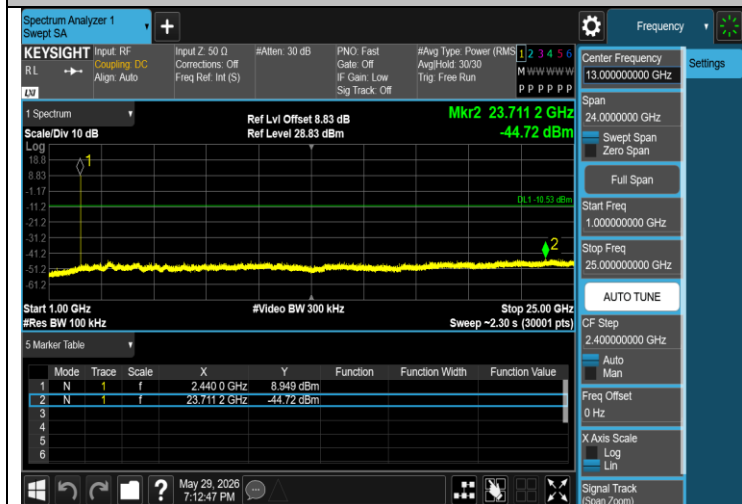
BLE\_1M-Ant1-2480-30~1000-PASS



BLE\_2M-Ant1-2402-0~Reference-PASS



BLE\_2M-Ant1-2402-1000~25000-PASS


**BLE\_2M-Ant1-2440-0~Reference-PASS**

**BLE\_2M-Ant1-2440-30~1000-PASS**

**BLE\_2M-Ant1-2440-1000~25000-PASS**

**BLE\_2M-Ant1-2480-30~1000-PASS**
**BLE\_2M-Ant1-2480-1000~25000-PASS**