

## Appendix A: 20dB Emission Bandwidth

## Test Result

| Test Mode | Antenna | Frequency[MHz] | 20db EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|---------------|----------|----------|------------|---------|
| TX        | Ant1    | 2408           | 0.544         | 2407.710 | 2408.254 | ---        | ---     |
| TX        | Ant1    | 2440           | 0.546         | 2439.714 | 2440.260 | ---        | ---     |
| TX        | Ant1    | 2475           | 0.544         | 2474.712 | 2475.256 | ---        | ---     |

## Test Graphs



## Appendix B: Occupied Channel Bandwidth

## Test Result

| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| TX        | Ant1    | 2408           | 0.54492   | 2407.7016 | 2408.2465 | ---        | ---     |
| TX        | Ant1    | 2440           | 0.54297   | 2439.7102 | 2440.2532 | ---        | ---     |
| TX        | Ant1    | 2475           | 0.54419   | 2474.7048 | 2475.2490 | ---        | ---     |

## Test Graphs

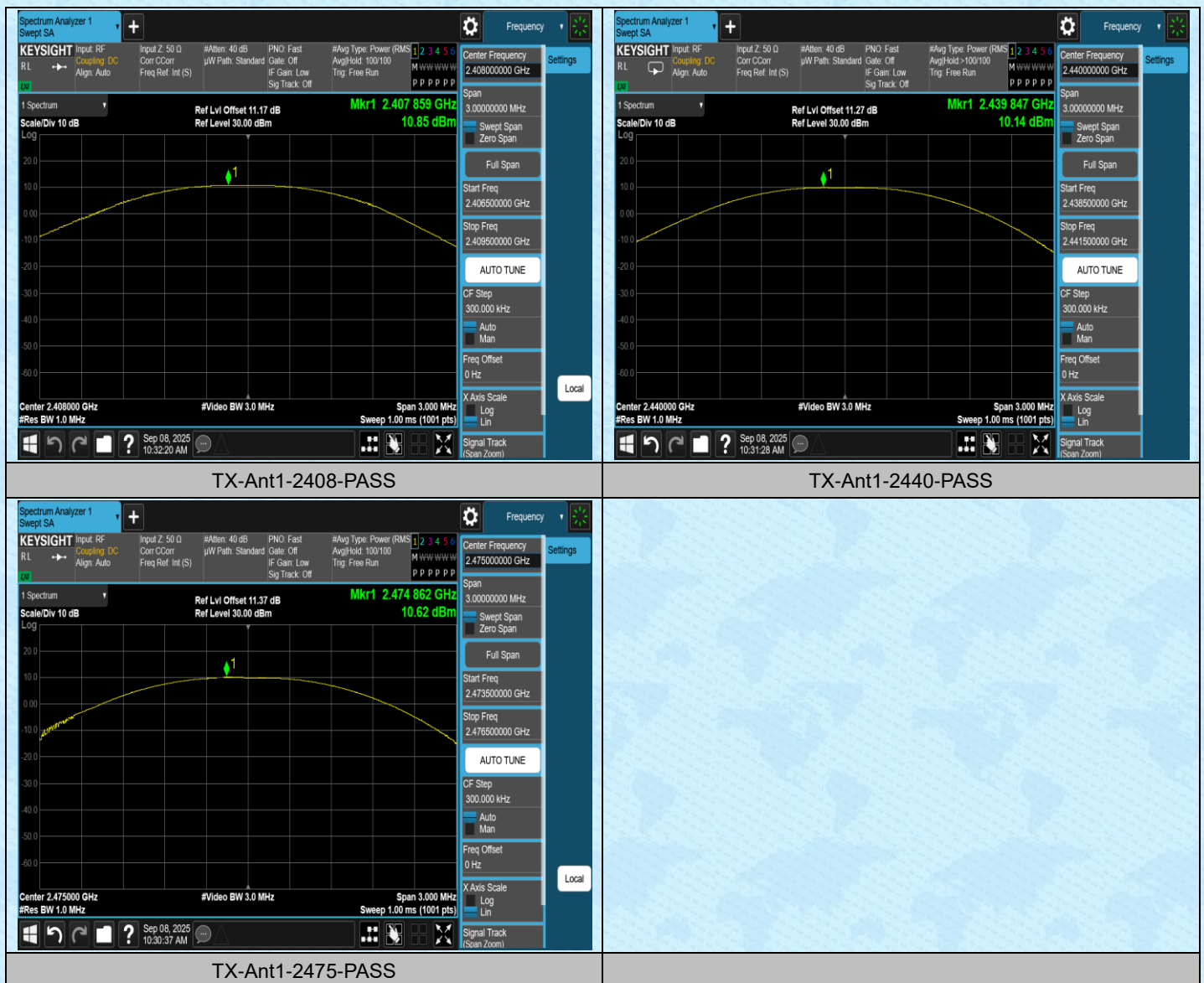


## Appendix C: Maximum conducted output power

### Test Result

| Test Mode | Antenna | Frequency[MHz] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|----------------|-------------|------------|---------|
| TX        | Ant1    | 2408           | 10.85       | ≤20.97     | PASS    |
| TX        | Ant1    | 2440           | 10.14       | ≤20.97     | PASS    |
| TX        | Ant1    | 2475           | 10.62       | ≤20.97     | PASS    |

### Test Graphs



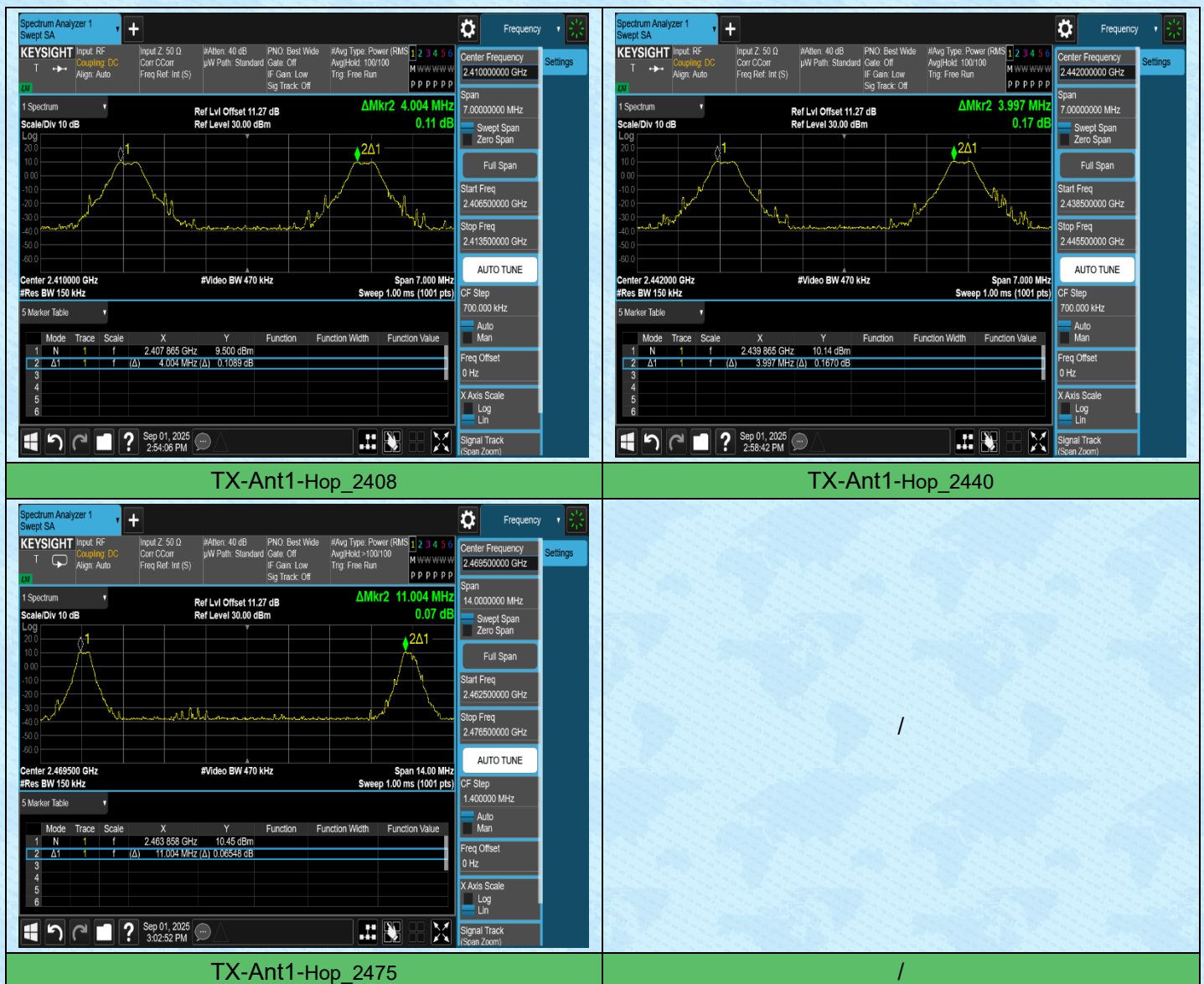


## Appendix D: Carrier frequency separation

## Test Result

| Test Mode | Antenna | Frequency[MHz] | Result[MHz] | Limit[MHz] | Verdict |
|-----------|---------|----------------|-------------|------------|---------|
| TX        | Ant1    | Hop_2408       | 4.004       | 0.544      | PASS    |
| TX        | Ant1    | Hop_2440       | 3.997       | 0.546      | PASS    |
| TX        | Ant1    | Hop_2475       | 11.004      | 0.544      | PASS    |

## Test Graphs

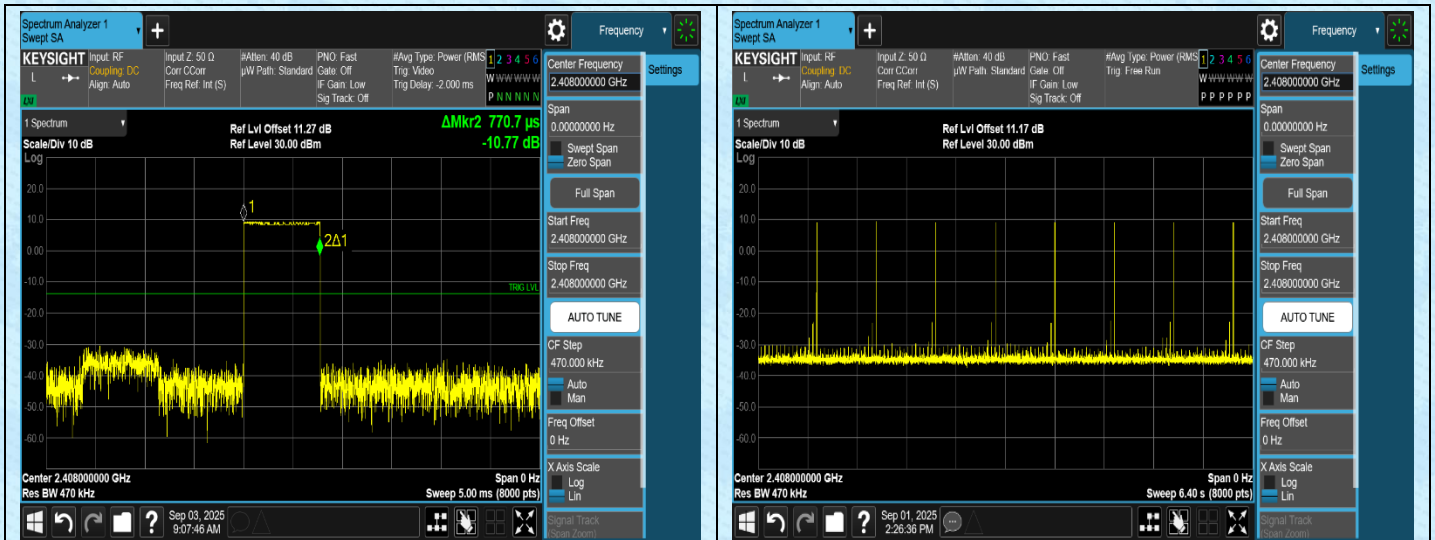


## Appendix E: Time of occupancy

### Test Result

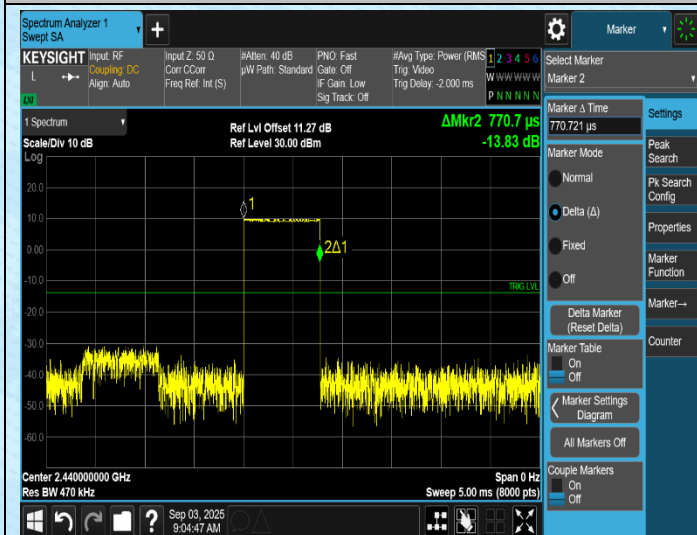
| Test Mode | Antenna | Frequency[MHz] | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[ms] | Limit[ms] | Verdict |
|-----------|---------|----------------|--------------------|--------------------|------------|-----------|---------|
| TX        | Ant1    | Hop_2408       | 0.7707             | 8                  | 6.1656     | ≤400      | PASS    |
| TX        | Ant1    | Hop_2440       | 0.7707             | 9                  | 6.9363     | ≤400      | PASS    |
| TX        | Ant1    | Hop_2475       | 0.7720             | 8                  | 6.1760     | ≤400      | PASS    |

## Test Graphs

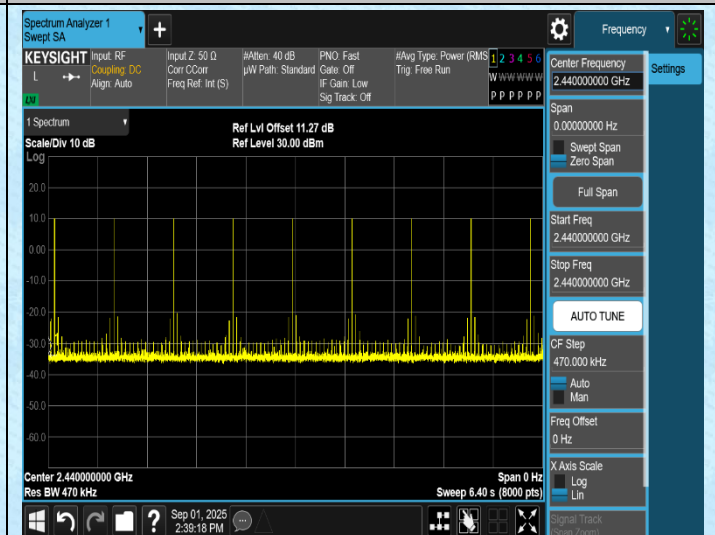


TX-Ant1-Hop\_2408

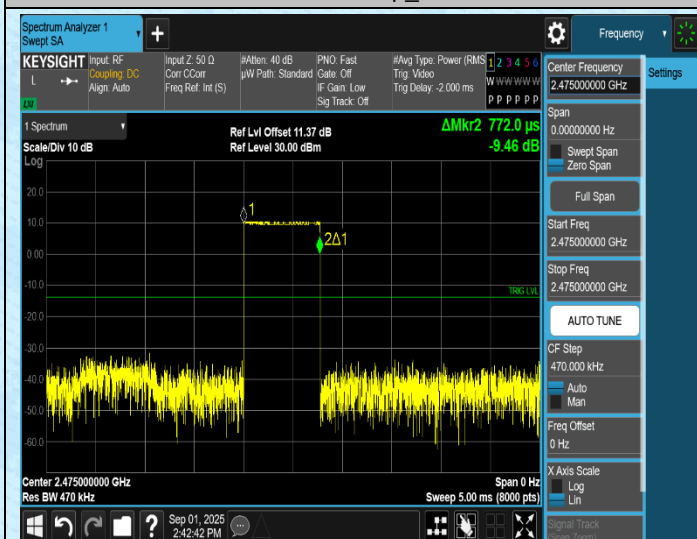
TX-Ant1-Hop\_2408



TX-Ant1-Hop\_2440



TX-Ant1-Hop\_2440



TX-Ant1-Hop\_2475



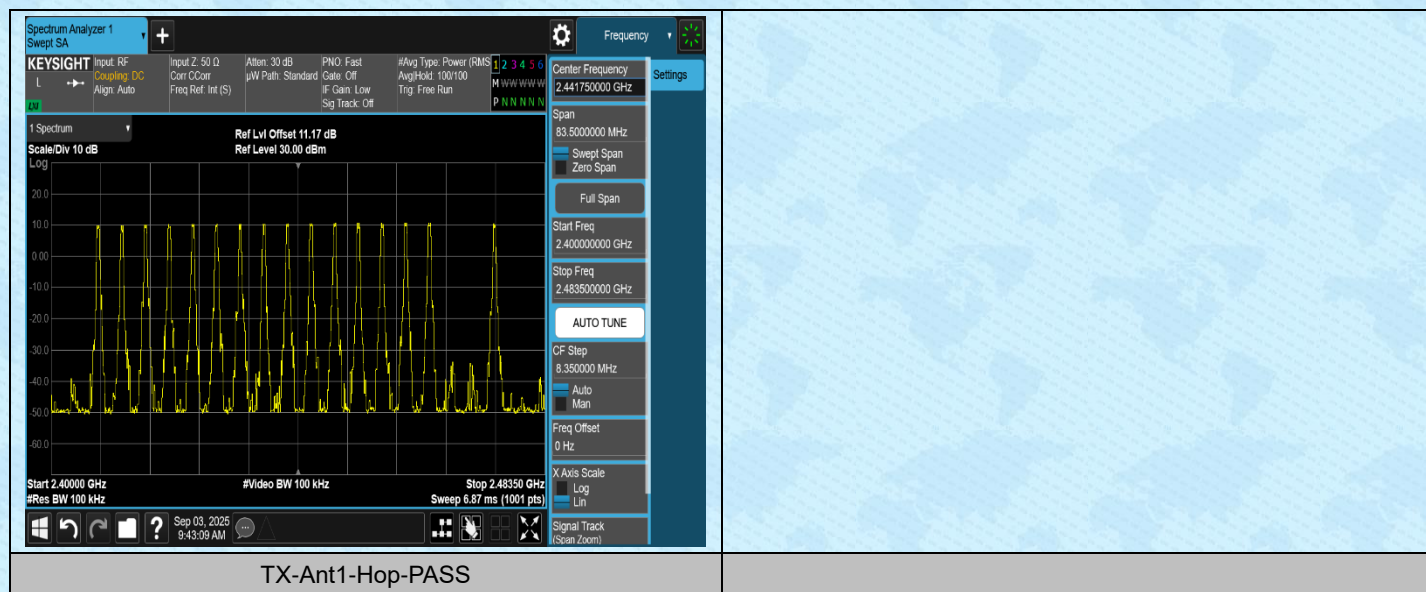
TX-Ant1-Hop\_2475

## Appendix F: Number of hopping channels

### Test Result

| Test Mode | Antenna | Frequency[MHz] | Result[Num] | Limit[Num] | Verdict |
|-----------|---------|----------------|-------------|------------|---------|
| TX        | Ant1    | Hop            | 16          | ≥15        | PASS    |

### Test Graphs



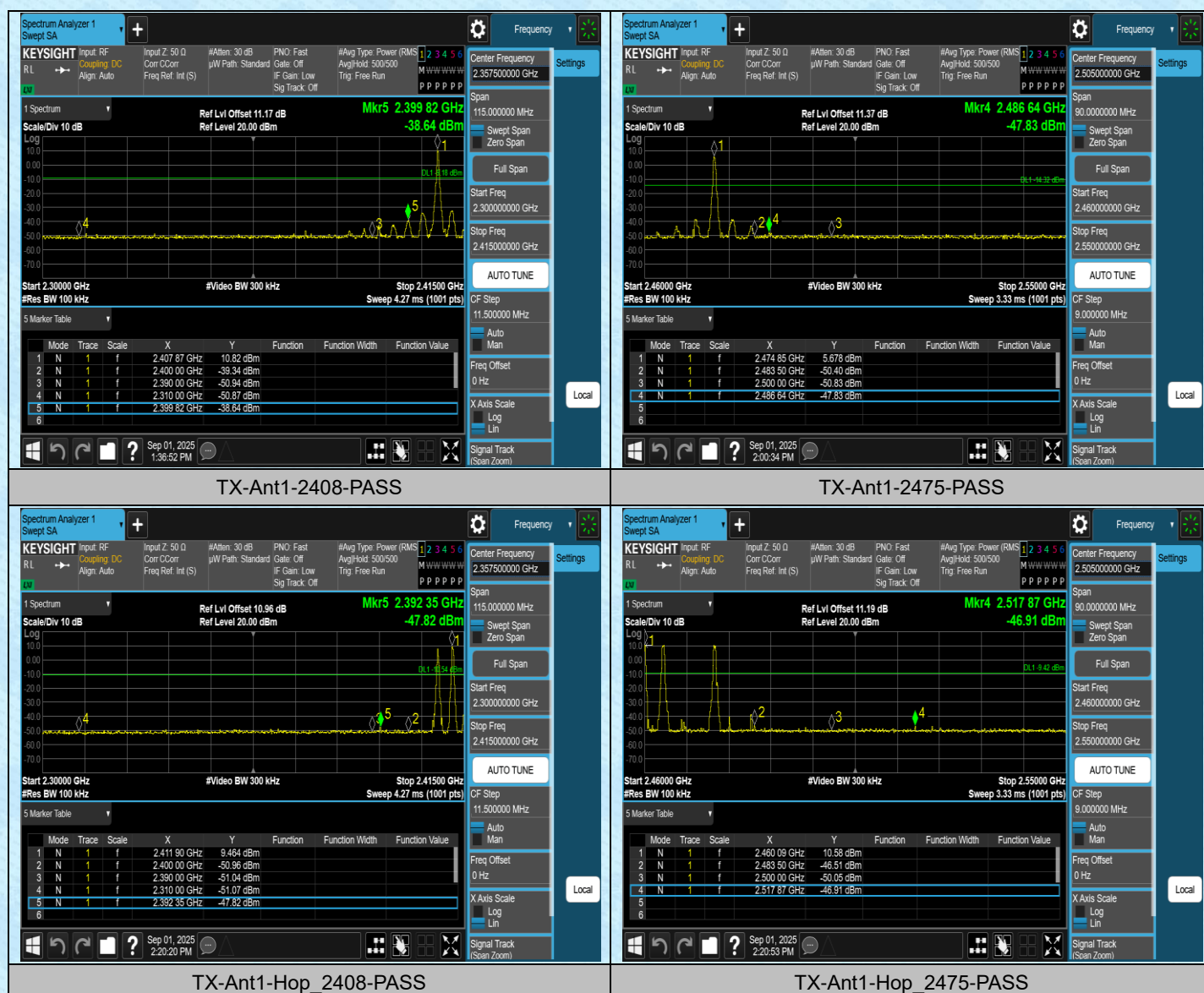


## Appendix G: Band edge measurements

## Test Result

| Test Mode | Antenna | ChName | Frequency[MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|--------|----------------|----------------|--------------|-------------|---------|
| TX        | Ant1    | Low    | 2408           | 10.82          | -38.64       | ≤-9.18      | PASS    |
| TX        | Ant1    | High   | 2475           | 5.68           | -47.83       | ≤-14.32     | PASS    |
| TX        | Ant1    | Low    | Hop_2408       | 9.46           | -47.82       | ≤-10.54     | PASS    |
| TX        | Ant1    | High   | Hop_2475       | 10.58          | -46.91       | ≤-9.42      | PASS    |

## Test Graphs





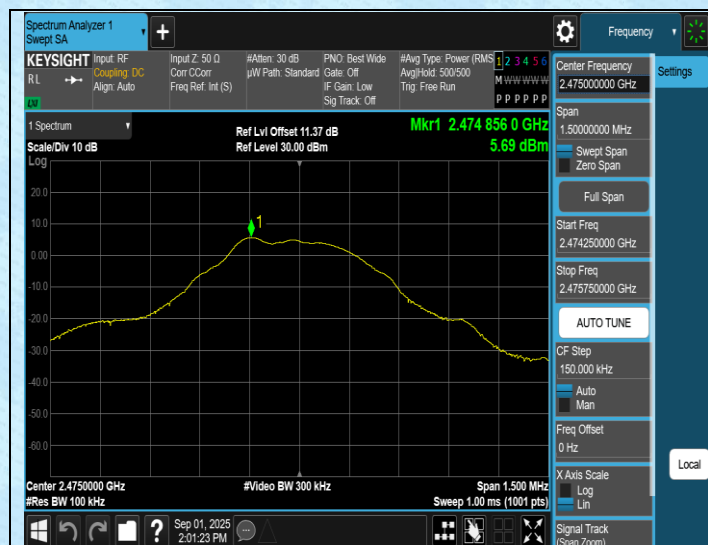
## Appendix H: Conducted Spurious Emission

### Test Result

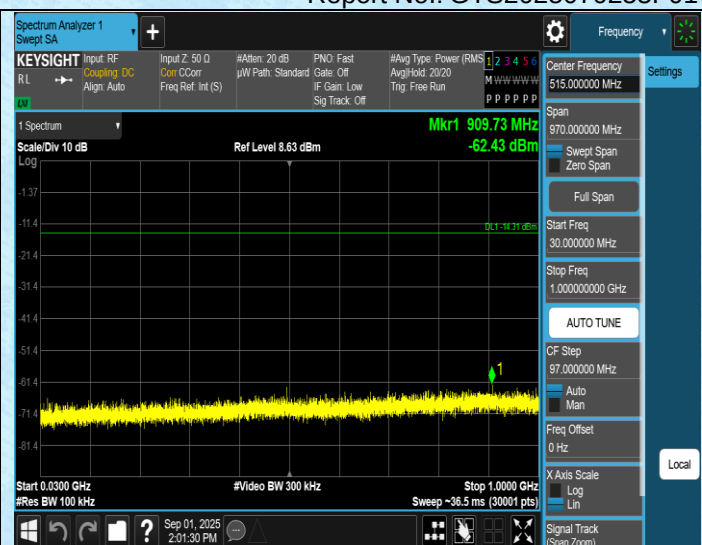
| Test Mode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|-----------|---------|----------------|-----------------|----------------|--------------|---------------|---------|
| TX        | Ant1    | 2408           | 0~Reference     | 10.83          | 10.83        | ---           | PASS    |
| TX        | Ant1    | 2408           | 30~1000         | 10.83          | -63.78       | $\leq -9.17$  | PASS    |
| TX        | Ant1    | 2408           | 1000~26500      | 10.83          | -28.97       | $\leq -9.17$  | PASS    |
| TX        | Ant1    | 2440           | 0~Reference     | 10.13          | 10.13        | ---           | PASS    |
| TX        | Ant1    | 2440           | 30~1000         | 10.13          | -63.45       | $\leq -9.87$  | PASS    |
| TX        | Ant1    | 2440           | 1000~26500      | 10.13          | -29.2        | $\leq -9.87$  | PASS    |
| TX        | Ant1    | 2475           | 0~Reference     | 5.69           | 5.69         | ---           | PASS    |
| TX        | Ant1    | 2475           | 30~1000         | 5.69           | -62.43       | $\leq -14.31$ | PASS    |
| TX        | Ant1    | 2475           | 1000~26500      | 5.69           | -43.55       | $\leq -14.31$ | PASS    |

## Test Graphs





TX-Ant1-2475-0~Reference-PASS



TX-Ant1-2475-30~1000-PASS



TX-Ant1-2475-1000~26500-PASS

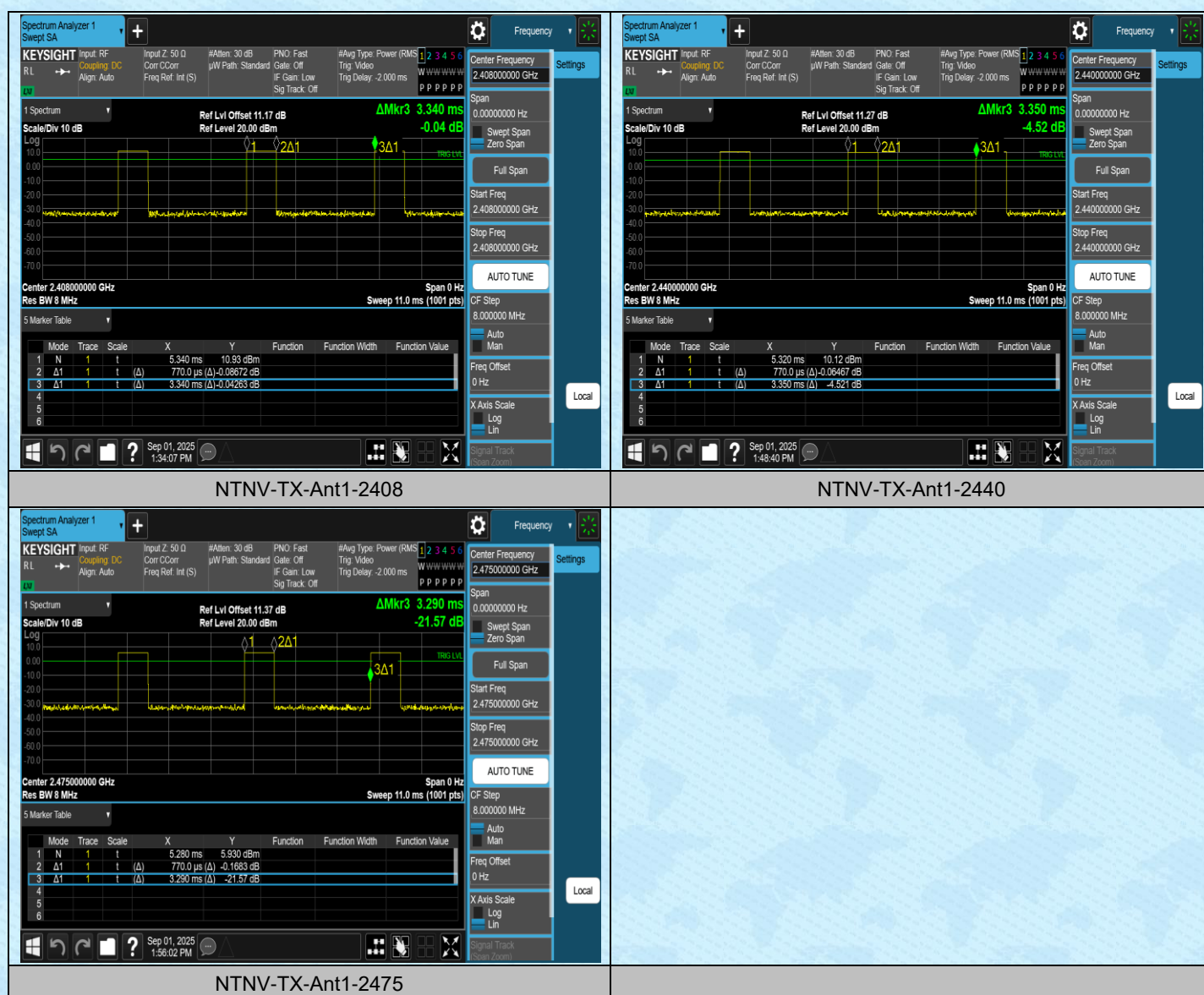


## Appendix I: Duty Cycle

### Test Result

| Test Mode | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|-----------|---------|----------------|----------------------------|--------------------------|----------------|-------|---------|
| TX        | Ant1    | 2408           | 0.77                       | 3.34                     | 23.05          | ---   | ---     |
| TX        | Ant1    | 2440           | 0.77                       | 3.35                     | 22.99          | ---   | ---     |
| TX        | Ant1    | 2475           | 0.77                       | 3.29                     | 23.40          | ---   | ---     |

### Test Graphs



---End---