

## Appendix: 915 MHz

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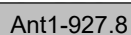
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Appendix A: 20dB Emission Bandwidth

Test Result

| Antenna | Frequency[MHz] | 20db<br>EBW[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---------|----------------|------------------|---------|---------|------------|---------|
| Ant1    | 915.2          | 0.103            | 915.14  | 915.24  | <0.250     | PASS    |
| Ant1    | 921.4          | 0.102            | 921.34  | 921.44  | <0.250     | PASS    |
| Ant1    | 927.8          | 0.103            | 927.74  | 927.84  | <0.250     | PASS    |



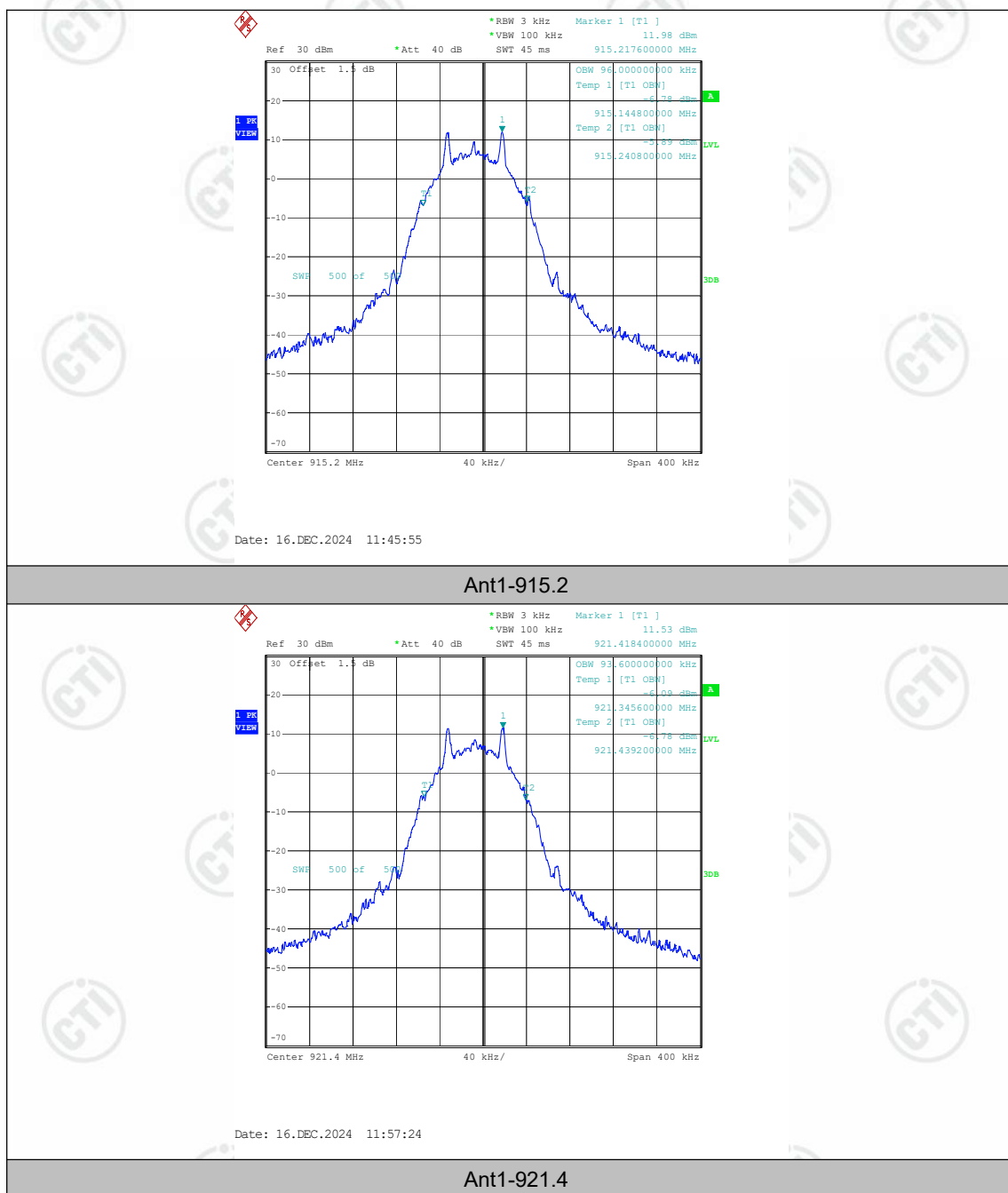


Appendix B: Occupied Channel Bandwidth

Test Result

| Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---------|----------------|-----------|---------|---------|------------|---------|
| Ant1    | 915.2          | 0.096     | 915.145 | 915.241 | ---        | ---     |
| Ant1    | 921.4          | 0.094     | 921.345 | 921.439 | ---        | ---     |
| Ant1    | 927.8          | 0.093     | 927.746 | 927.839 | ---        | ---     |

## Test Graphs



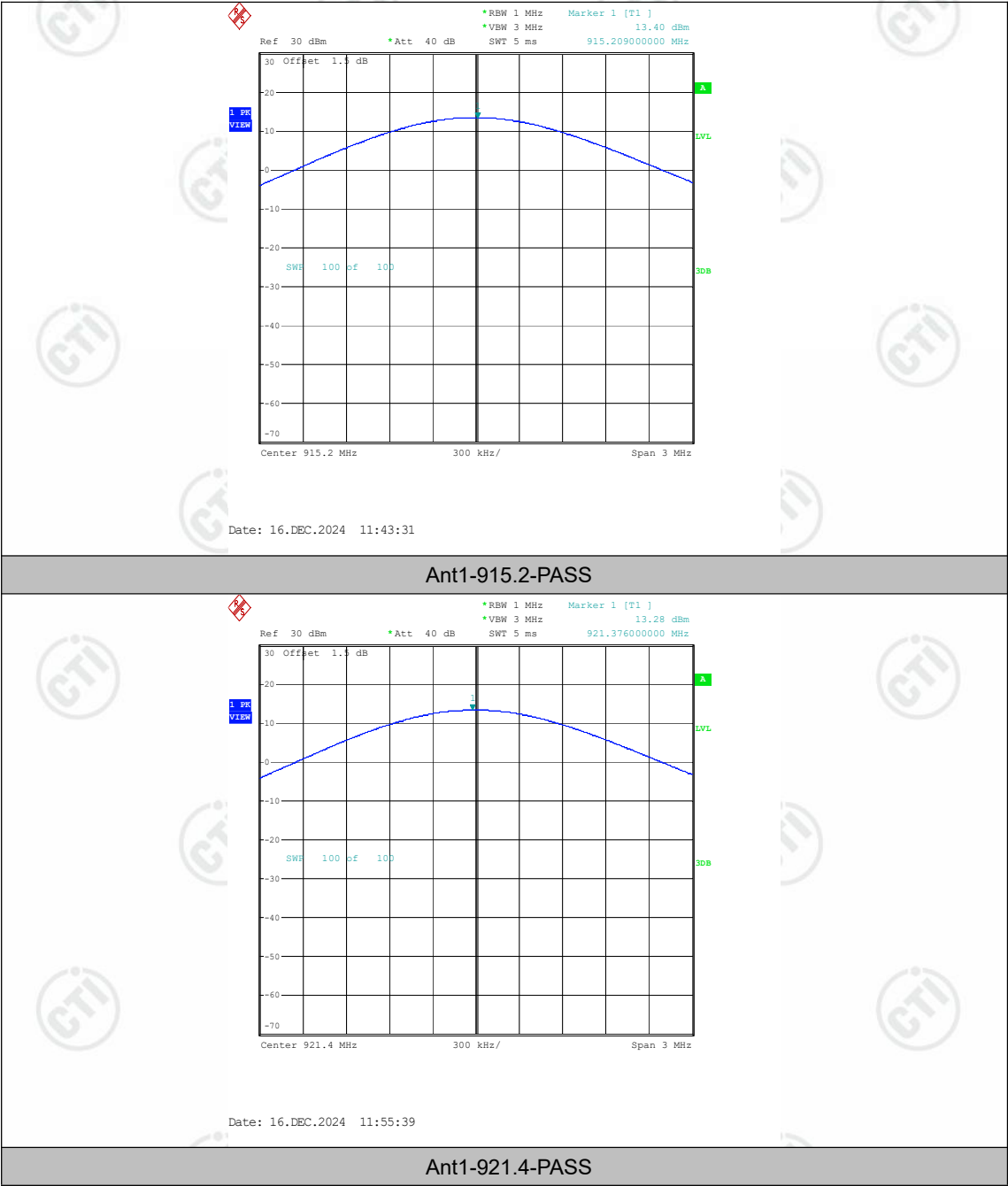


Appendix C: Maximum conducted output power

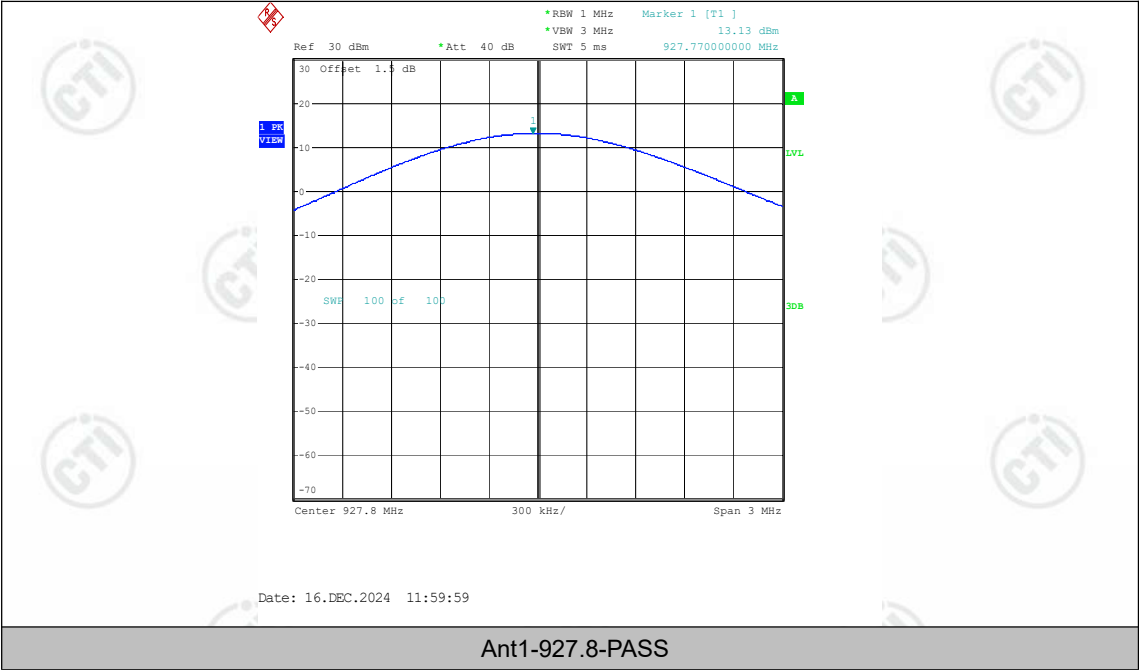
Test Result Peak

| Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|---------|----------------|---------------------------|----------------------|---------|
| Ant1    | 915.2          | 13.40                     | ≤30                  | PASS    |
| Ant1    | 921.4          | 13.28                     | ≤30                  | PASS    |
| Ant1    | 927.8          | 13.13                     | ≤30                  | PASS    |

Test Graphs



Ant1-921.4-PASS

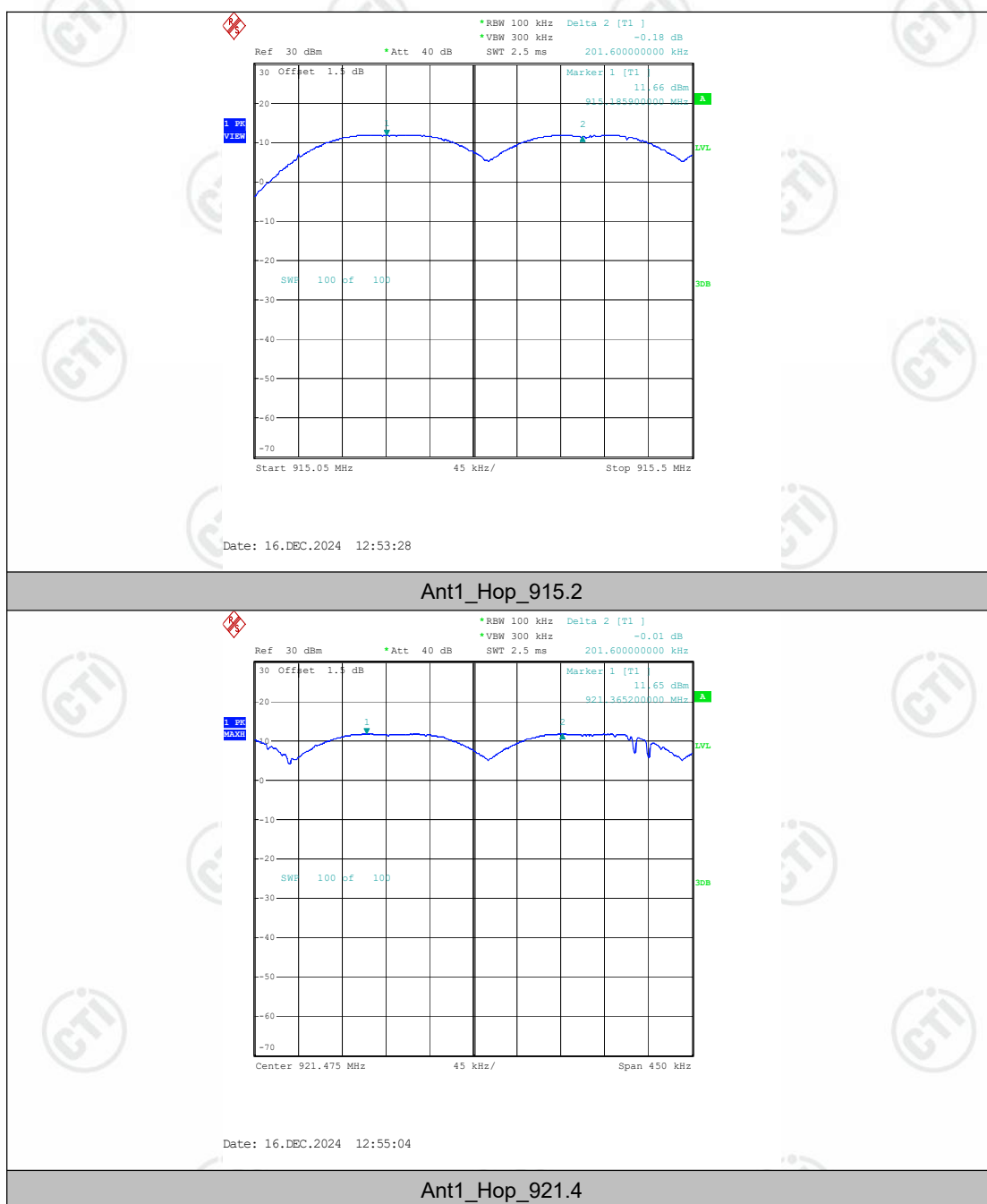


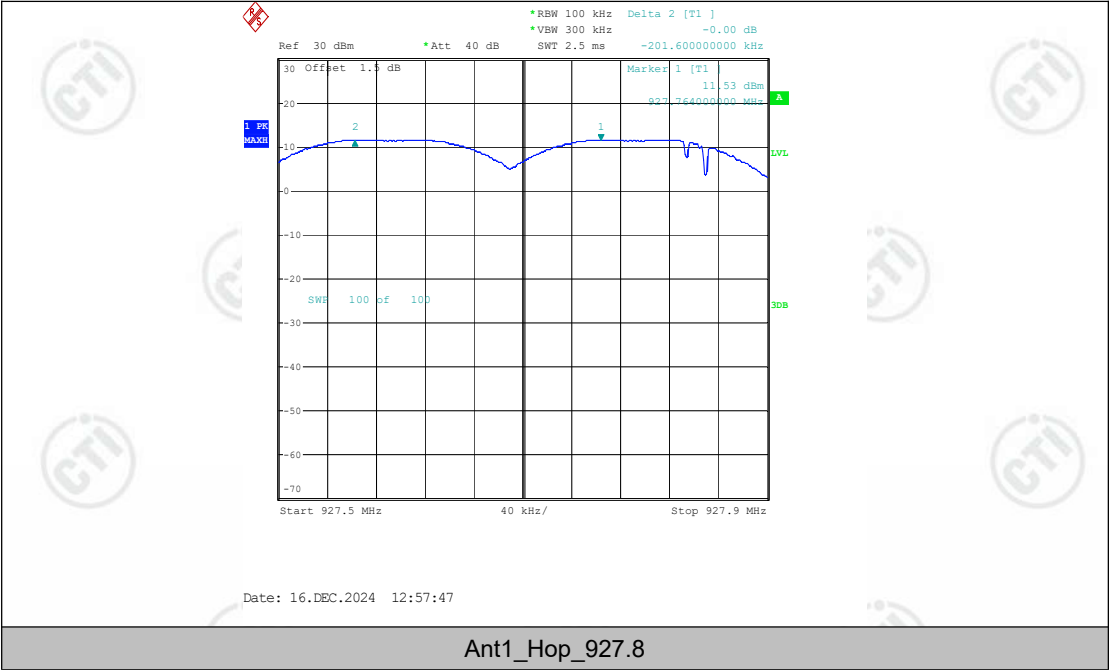
Appendix D: Carrier frequency separation

Test Result

| Antenna | Channel[MHz] | Result[kHz] | Limit[kHz] | Verdict |
|---------|--------------|-------------|------------|---------|
| Ant1    | Hop_915.2    | 201.6       | >=102.4    | Verdict |
| Ant1    | Hop_921.4    | 201.6       | >=102.4    | Verdict |
| Ant1    | Hop_927.8    | 201.6       | >=103.2    | Verdict |

## Test Graphs



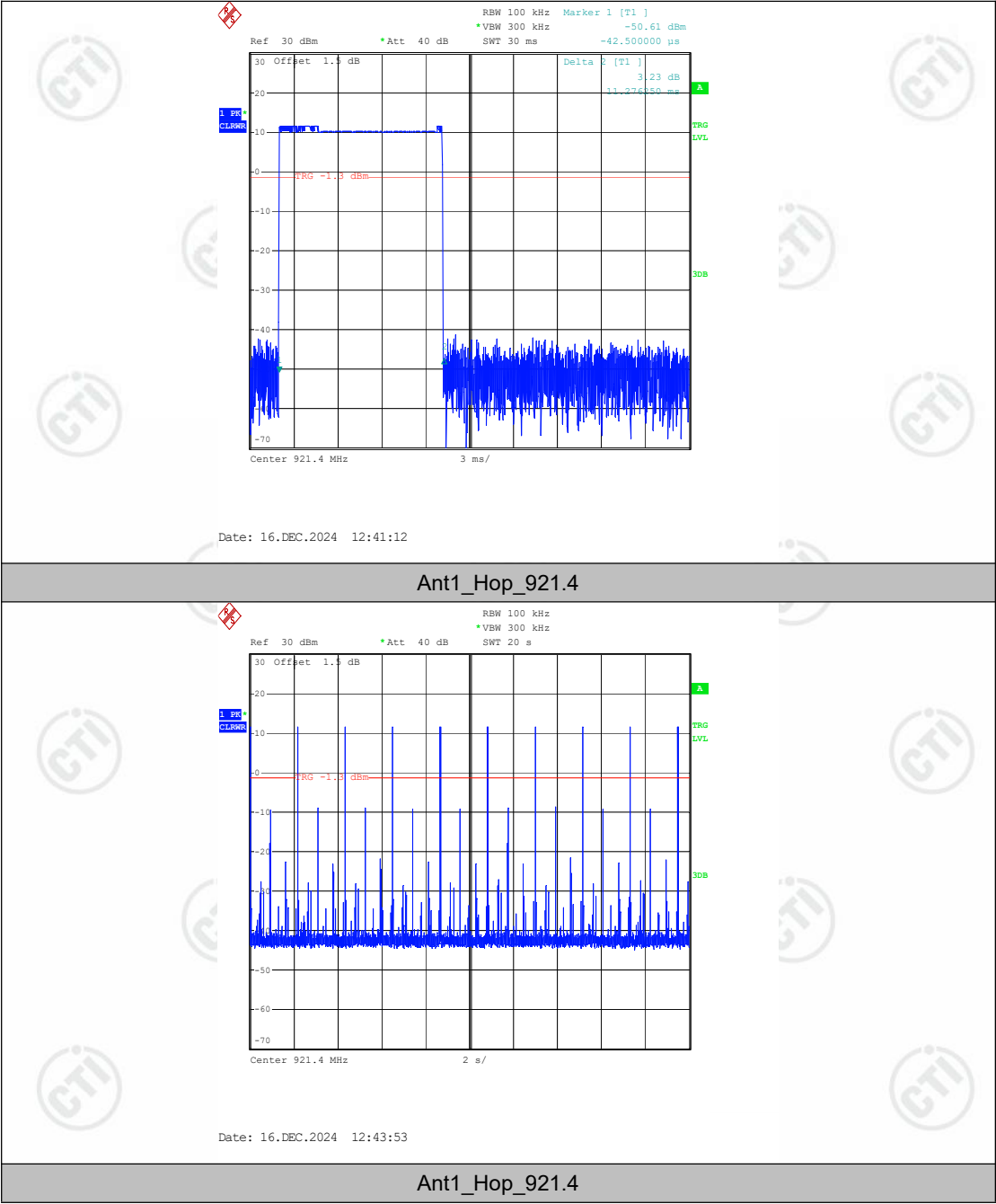


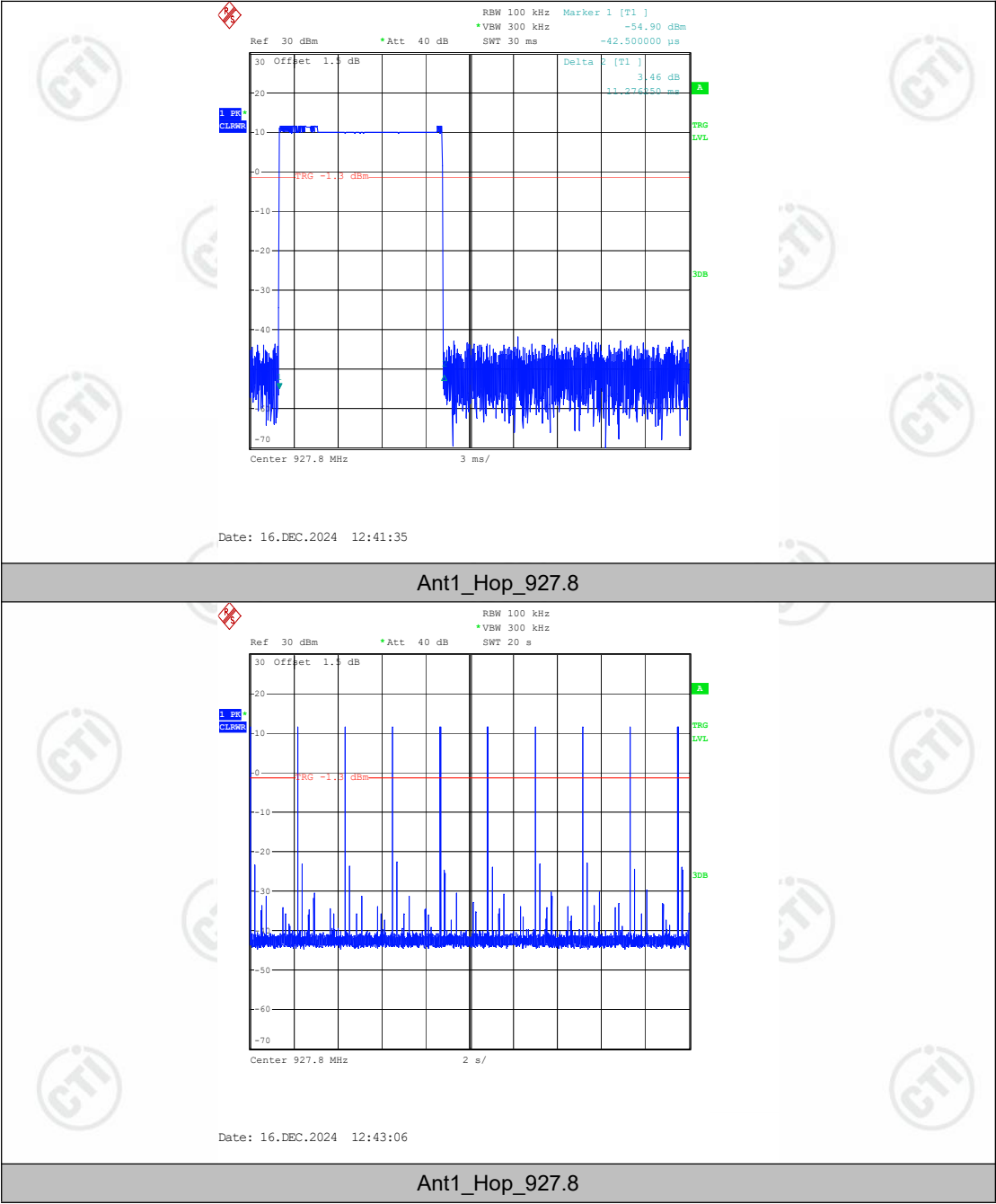
Appendix E: Time of occupancy

Test Result

| Antenna | Channel[MHz] | Burst Width[ms] | Total Hops[Num] | Result[ms] | Limit[ms] | Verdict |
|---------|--------------|-----------------|-----------------|------------|-----------|---------|
| Ant1    | Hop_915.2    | 11.28           | 10              | 112.8      | <=400     | PASS    |
| Ant1    | Hop_921.4    | 11.28           | 10              | 112.8      | <=400     | PASS    |
| Ant1    | Hop_927.8    | 11.28           | 10              | 112.8      | <=400     | PASS    |





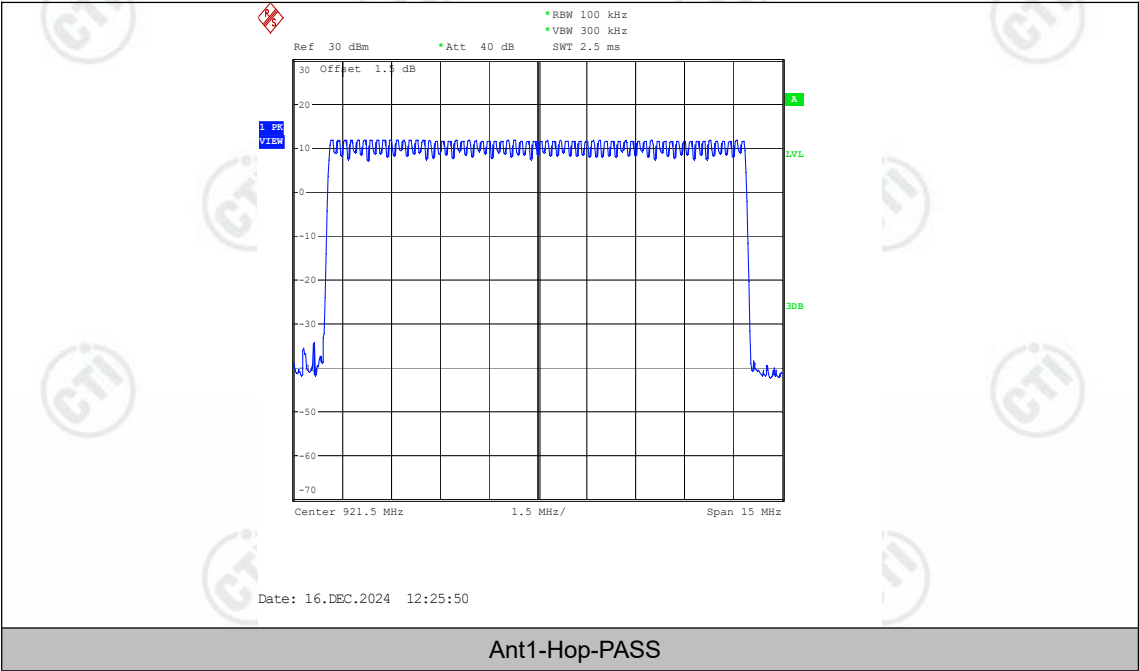


Appendix F: Number of hopping channels

Test Result

| Antenna | Frequency[MHz] | Result[Num] | Limit[Num] | Verdict |
|---------|----------------|-------------|------------|---------|
| Ant1    | Hop            | 64          | >=50       | PASS    |

Test Graphs

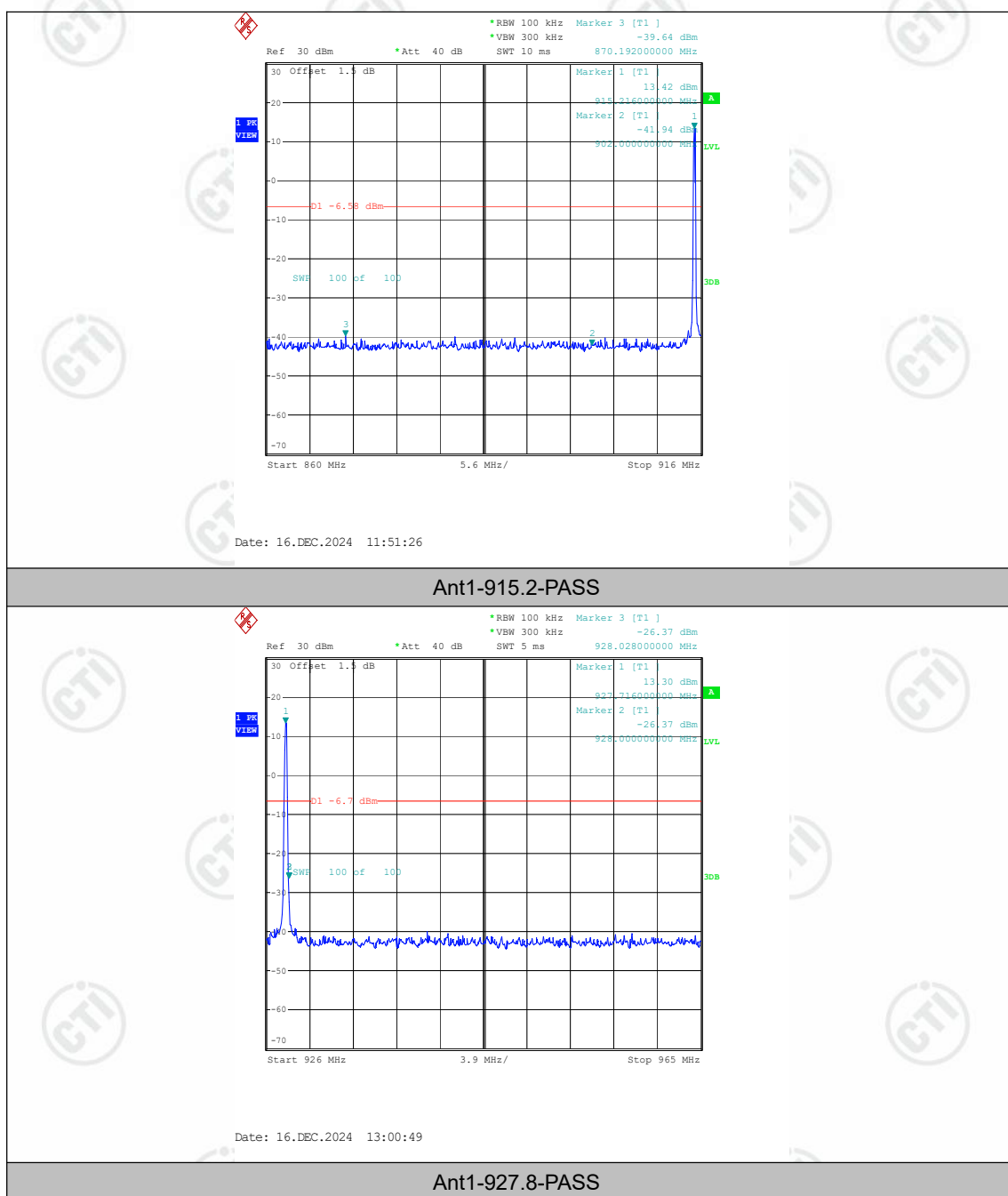


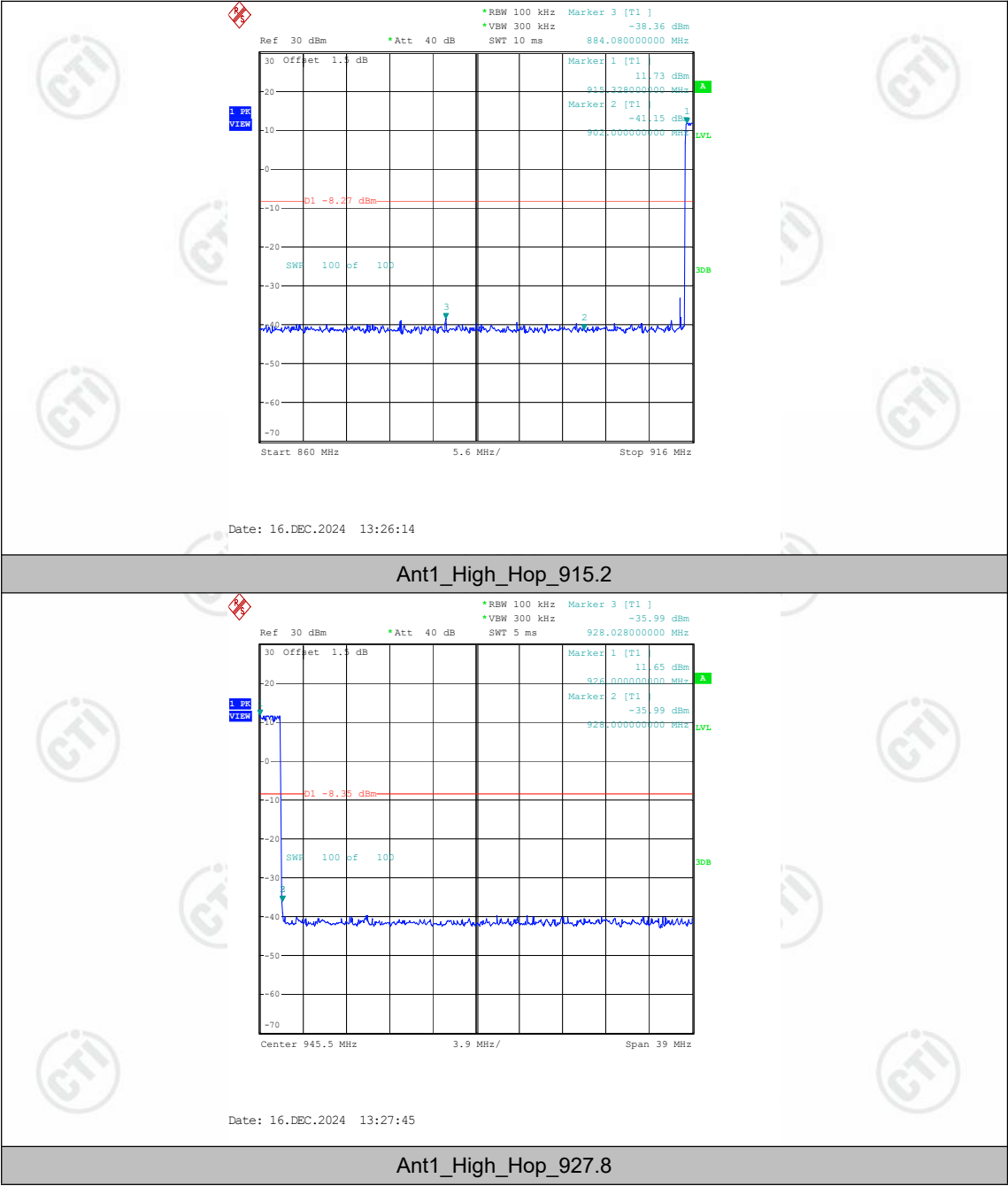
Appendix G: Band edge measurements

Test Result

| Antenna | Ch Name | Channel[MHz] | Ref Level[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|---------|---------|--------------|----------------|-------------|------------|---------|
| Ant1    | Low     | 915.2        | 13.42          | -39.64      | ≤-6.58     | PASS    |
|         | High    | 927.8        | 13.30          | -26.37      | ≤-6.7      | PASS    |
|         | Low     | Hop_915.2    | 11.73          | -38.36      | ≤-8.27     | PASS    |
|         | High    | Hop_927.8    | 11.65          | -35.99      | ≤-8.35     | PASS    |

## Test Graphs



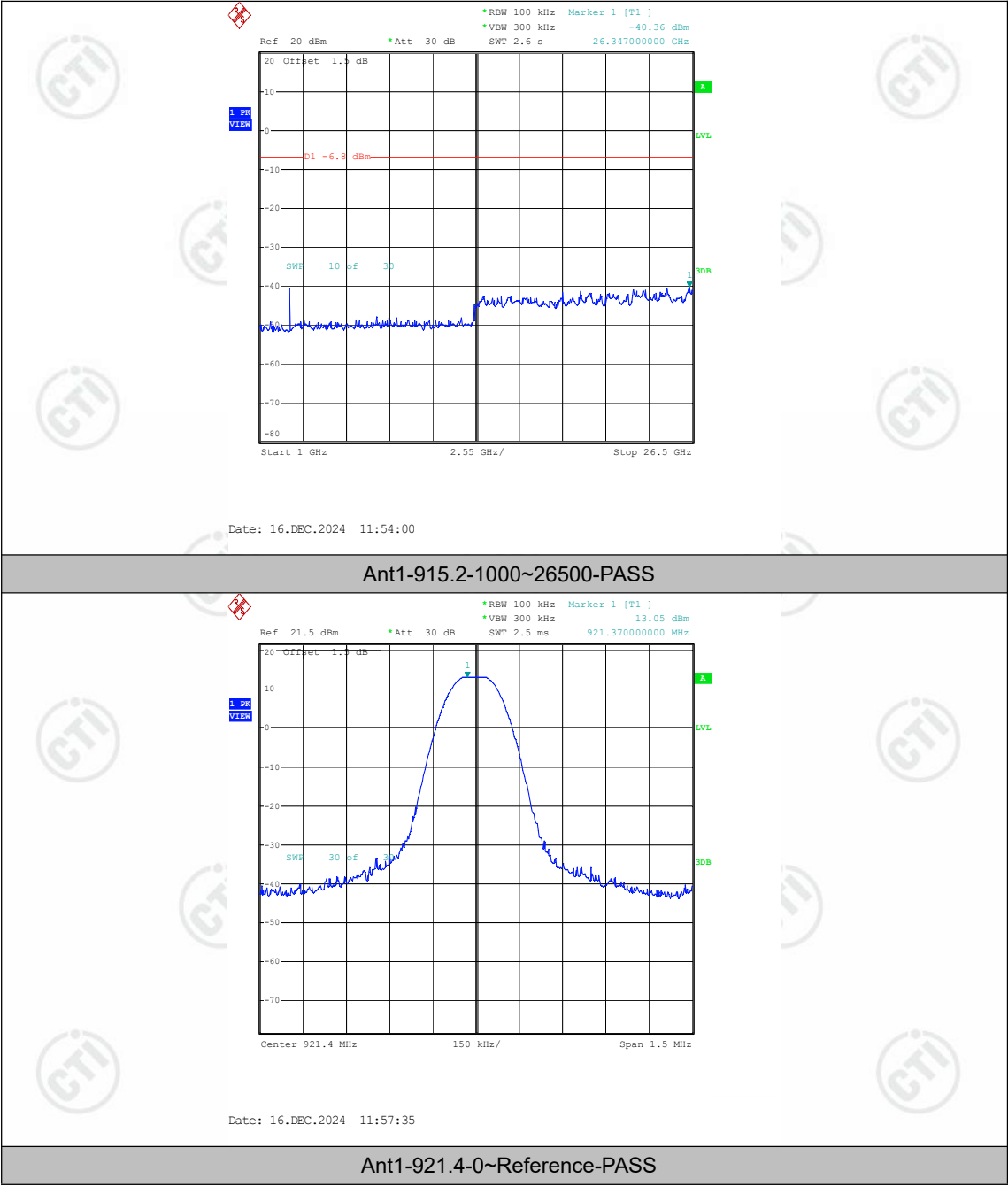


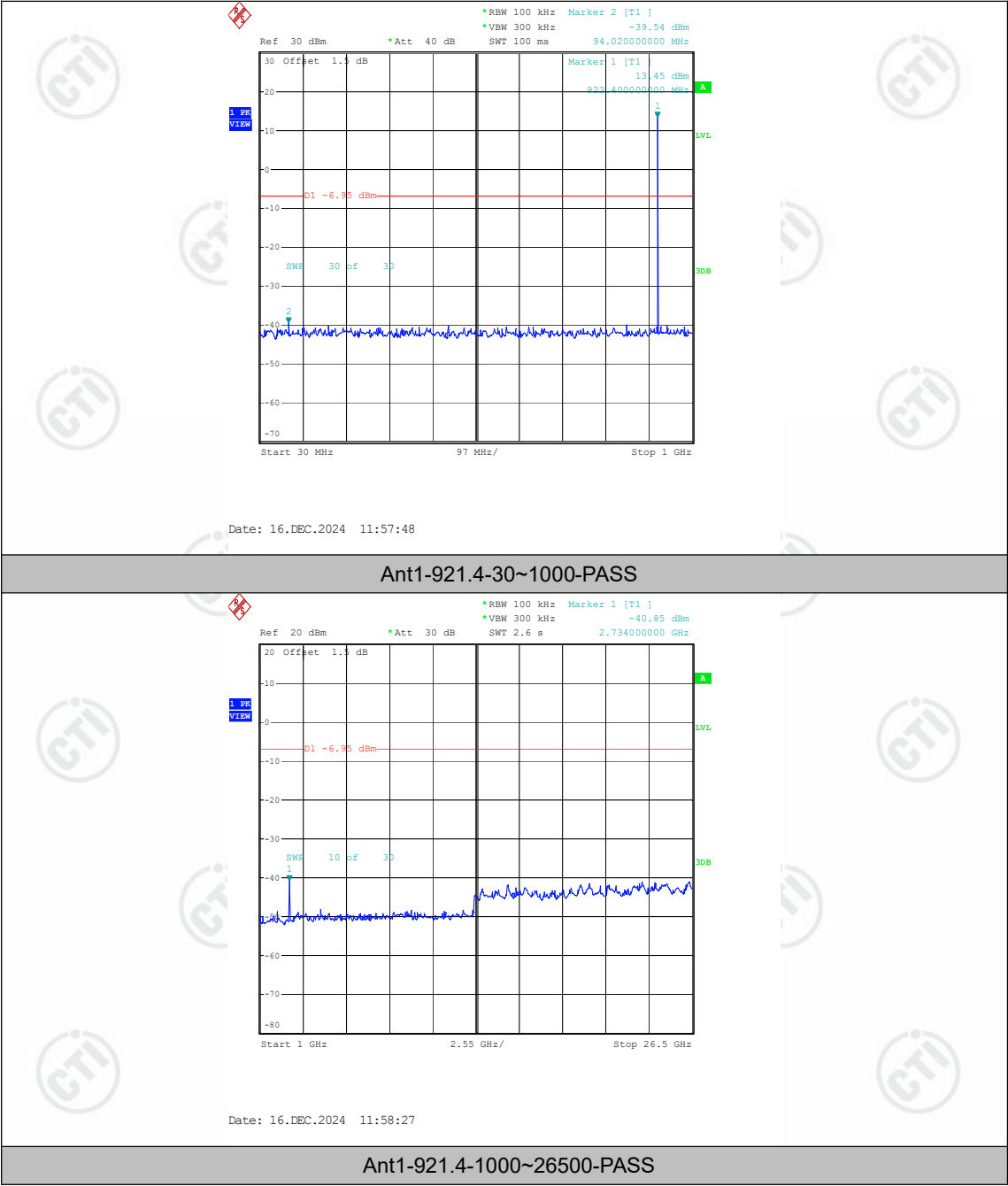
## Appendix H: Conducted Spurious Emission

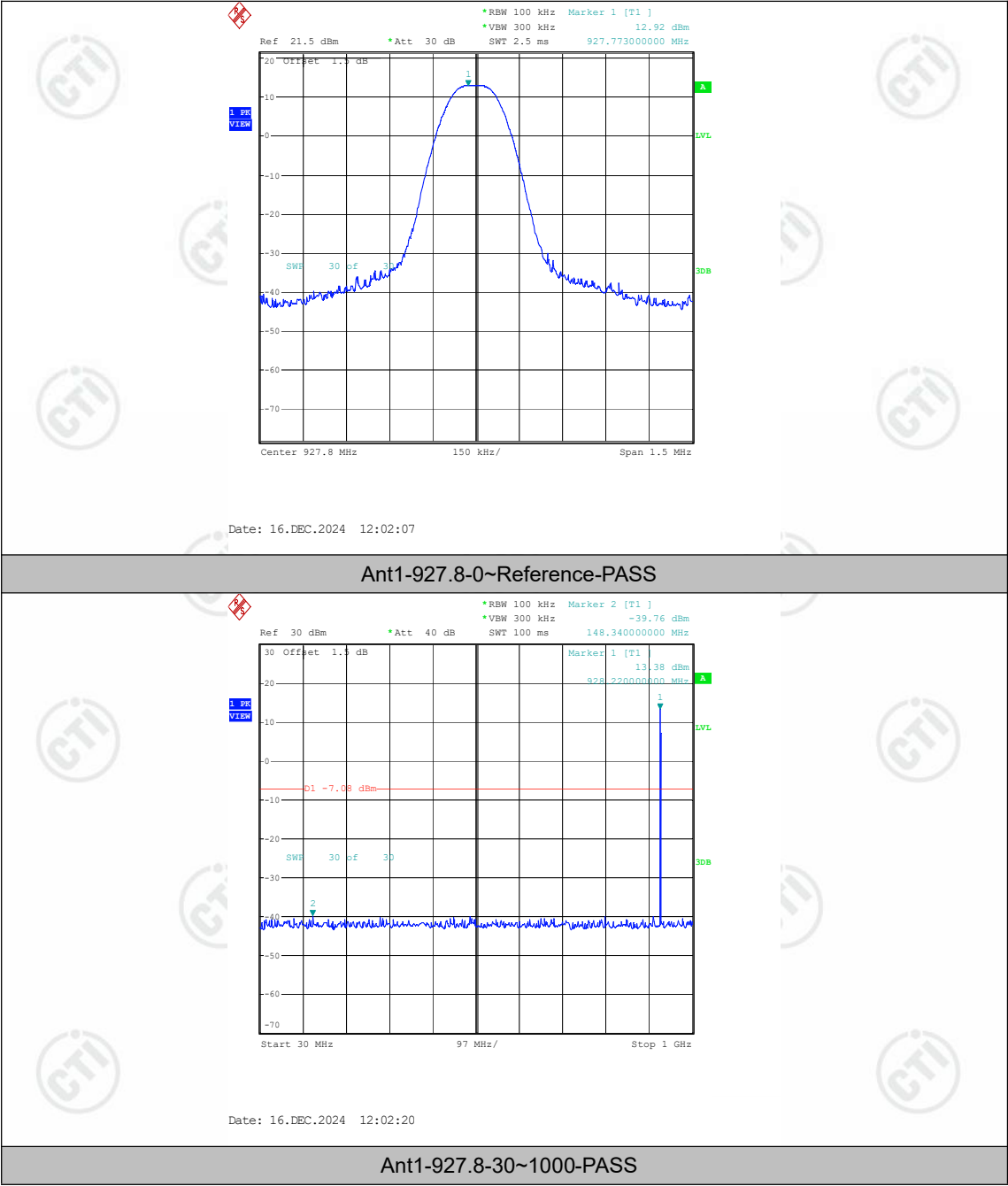
### Test Result

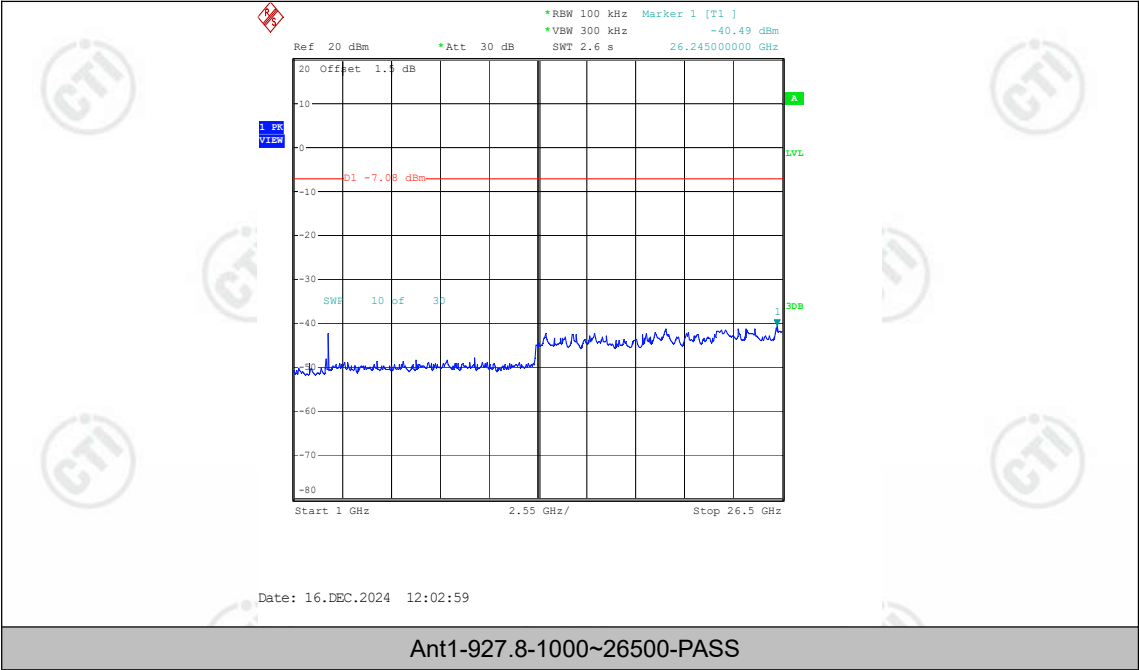
| Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]  | Verdict |
|---------|----------------|-----------------|----------------|--------------|--------------|---------|
| Ant1    | 915.2          | Reference       | 13.20          | 13.20        | ---          | PASS    |
| Ant1    | 915.2          | 30~1000         | 13.20          | -39.68       | $\leq -6.8$  | PASS    |
| Ant1    | 915.2          | 1000~26500      | 13.20          | -40.36       | $\leq -6.8$  | PASS    |
| Ant1    | 921.4          | Reference       | 13.05          | 13.05        | ---          | PASS    |
| Ant1    | 921.4          | 30~1000         | 13.05          | -39.54       | $\leq -6.95$ | PASS    |
| Ant1    | 921.4          | 1000~26500      | 13.05          | -40.85       | $\leq -6.95$ | PASS    |
| Ant1    | 927.8          | Reference       | 12.92          | 12.92        | ---          | PASS    |
| Ant1    | 927.8          | 30~1000         | 12.92          | -39.76       | $\leq -7.08$ | PASS    |
| Ant1    | 927.8          | 1000~26500      | 12.92          | -40.49       | $\leq -7.08$ | PASS    |









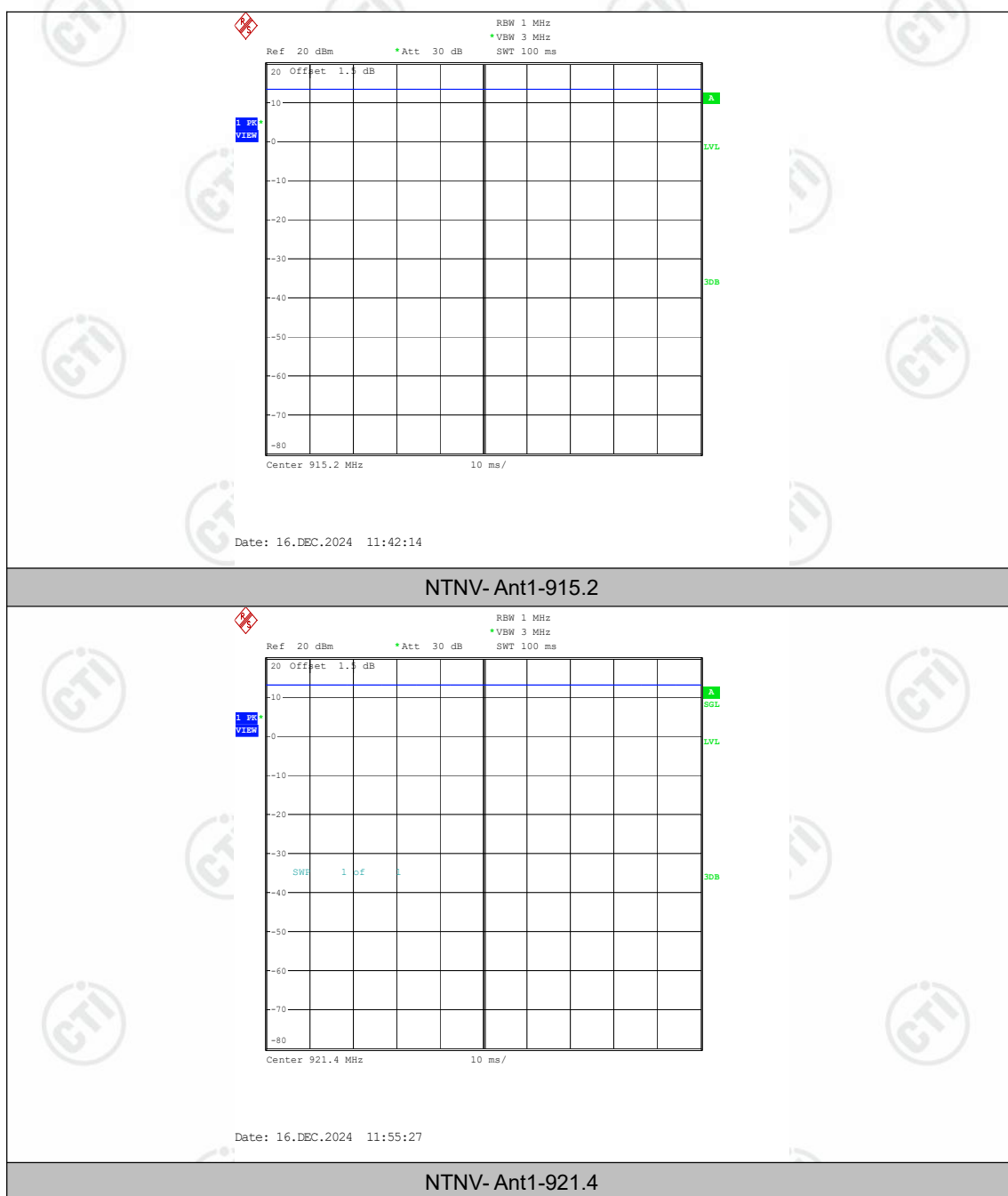


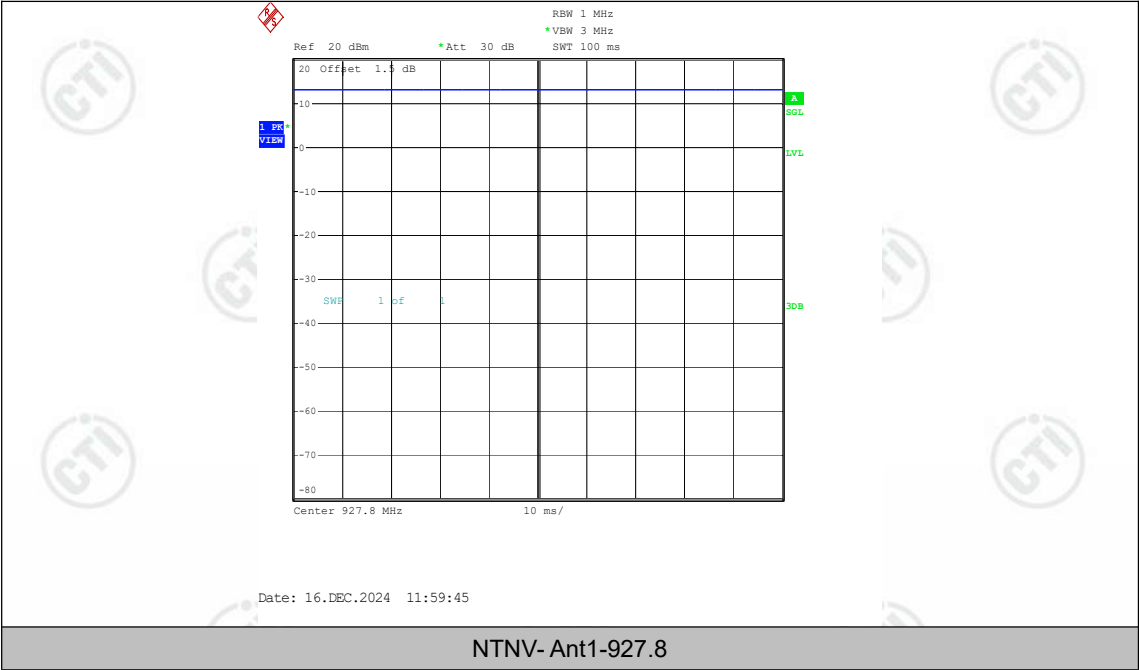
Appendix I: Duty Cycle

Test Result

| Antenna | Frequency[MHz] | ON Time[ms] | Period[ms] | Duty Cycle[%] | Duty Cycle Factor[dB] |
|---------|----------------|-------------|------------|---------------|-----------------------|
| Ant1    | 915.2          | 100.00      | 100.00     | 100.00        | 0.00                  |
| Ant1    | 921.4          | 100.00      | 100.00     | 100.00        | 0.00                  |
| Ant1    | 927.8          | 100.00      | 100.00     | 100.00        | 0.00                  |

## Test Graphs





\*\*\* End of Report \*\*\*