

## Appendix: 2.4G GFSK

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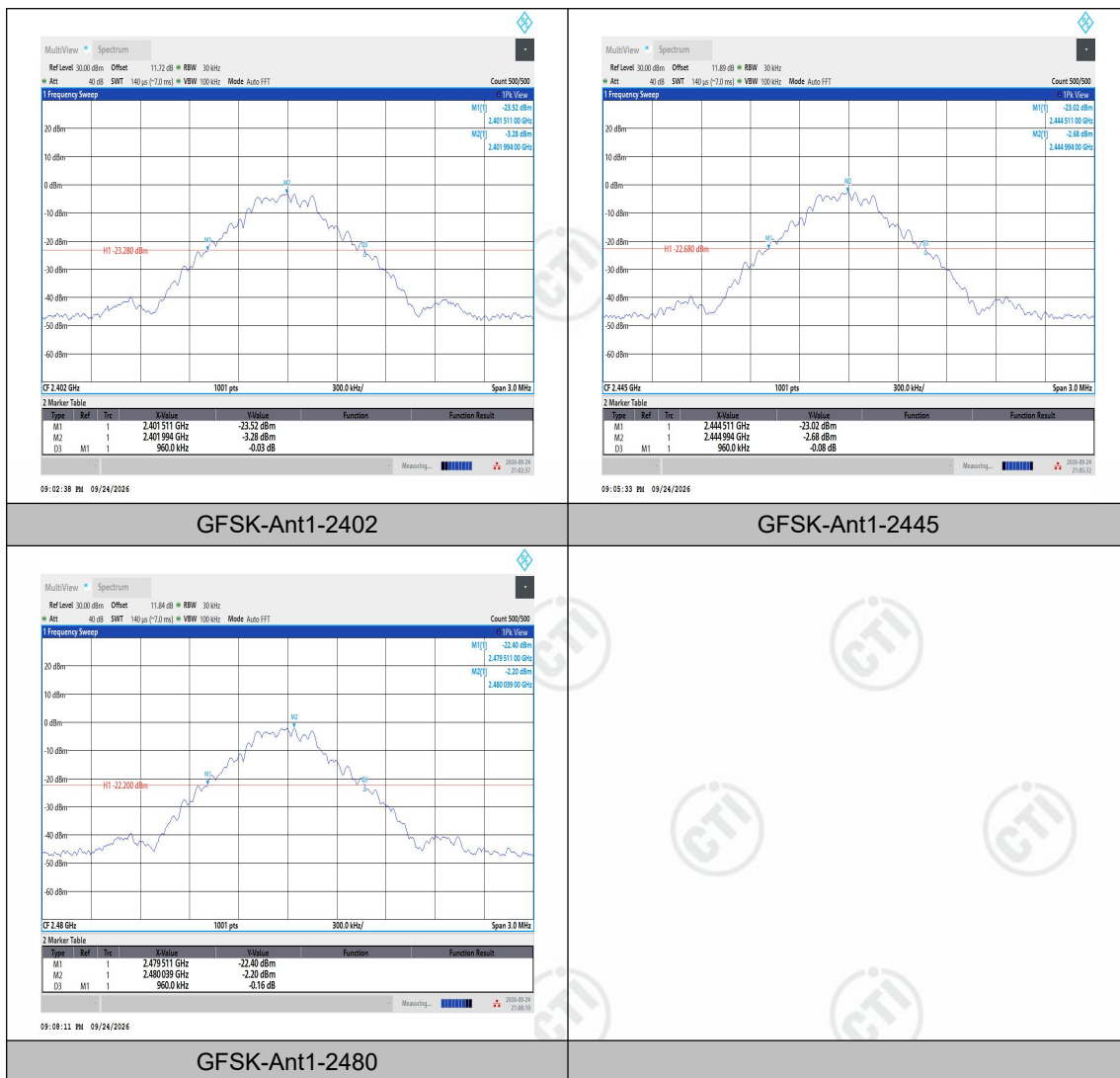
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## Appendix A: 20dB Emission Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | 20db<br>EBW[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|------------------|---------|---------|------------|---------|
| GFSK     | Ant1    | 2402           | 0.96             | 2401.51 | 2402.47 | ---        | ---     |
| GFSK     | Ant1    | 2445           | 0.96             | 2444.51 | 2445.47 | ---        | ---     |
| GFSK     | Ant1    | 2480           | 0.96             | 2479.51 | 2480.47 | ---        | ---     |

## Test Graphs

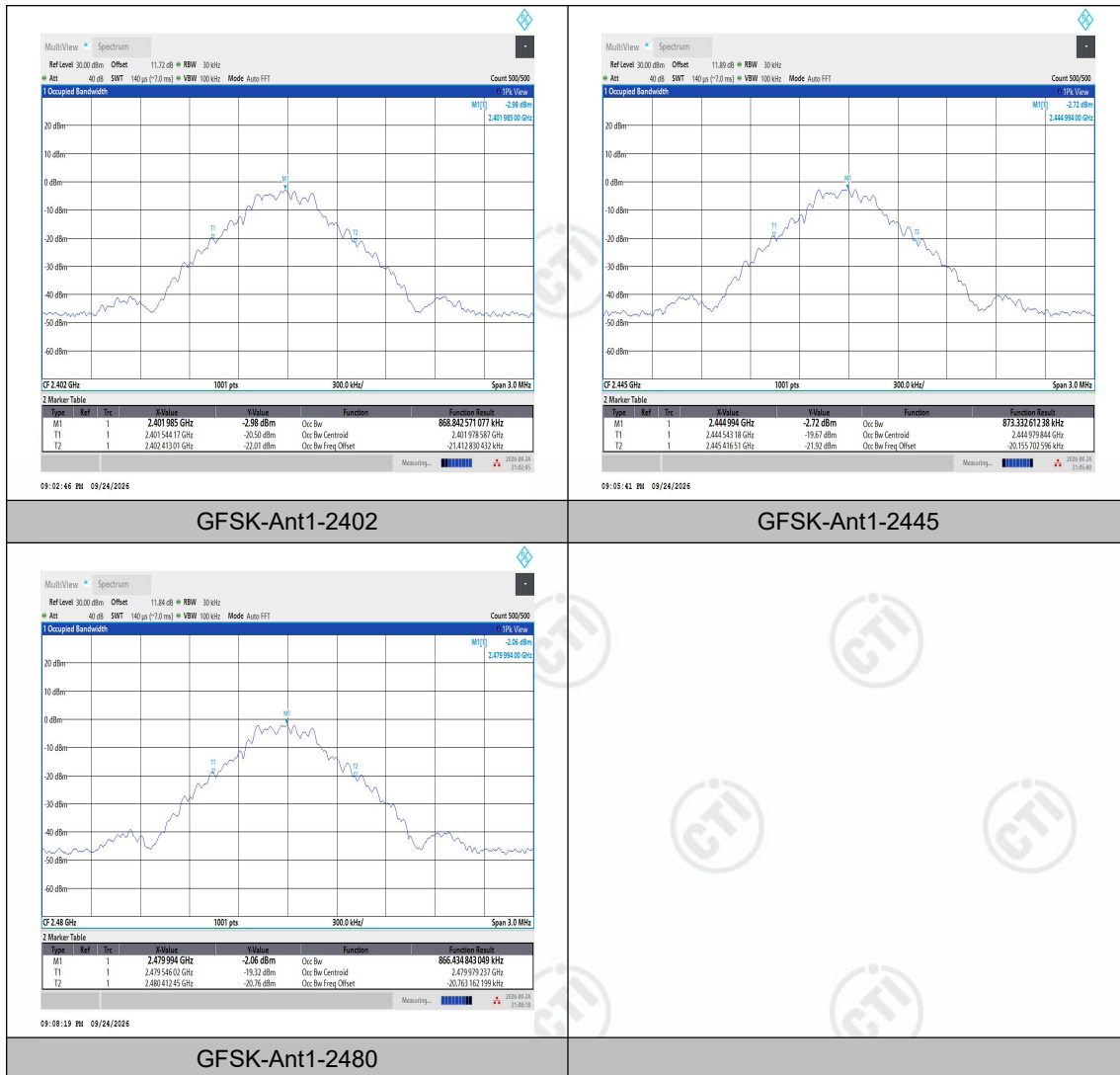


## Appendix B: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB<br>[MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|-----------|-----------|------------|---------|
| GFSK     | Ant1    | 2402           | 0.86884      | 2401.5442 | 2402.4130 | ---        | ---     |
| GFSK     | Ant1    | 2445           | 0.87333      | 2444.5432 | 2445.4165 | ---        | ---     |
| GFSK     | Ant1    | 2480           | 0.86643      | 2479.5460 | 2480.4125 | ---        | ---     |

## Test Graphs

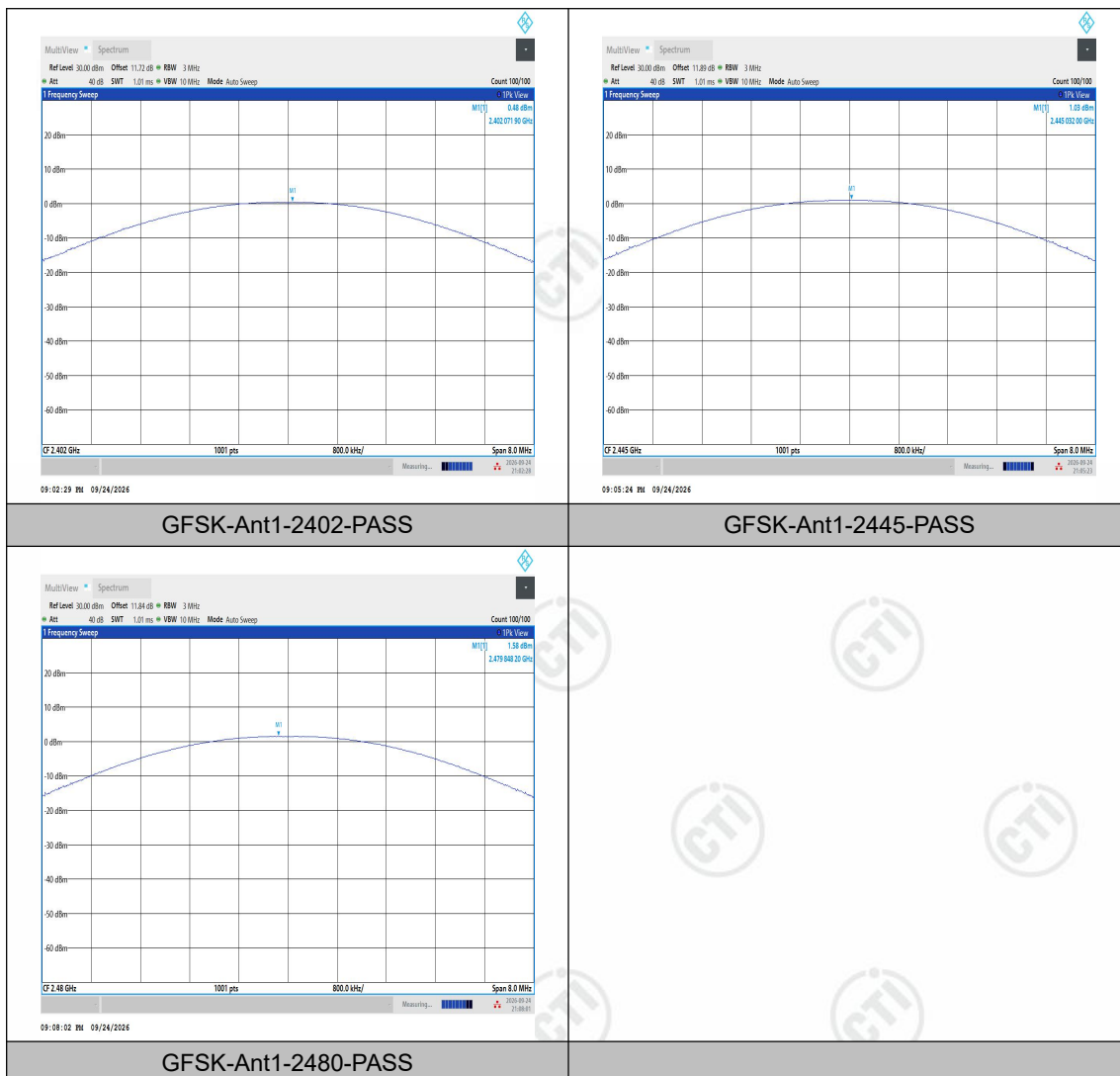


## Appendix C: Maximum conducted output power

### Test Result

| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | EIRP[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|-----------|---------|
| GFSK      | Ant1    | 2402           | 0.48                      | ≤30                  | 3.12      | PASS    |
| GFSK      | Ant1    | 2445           | 1.03                      | ≤20.97               | 3.67      | PASS    |
| GFSK      | Ant1    | 2480           | 1.58                      | ≤20.97               | 4.22      | PASS    |

## Test Graphs

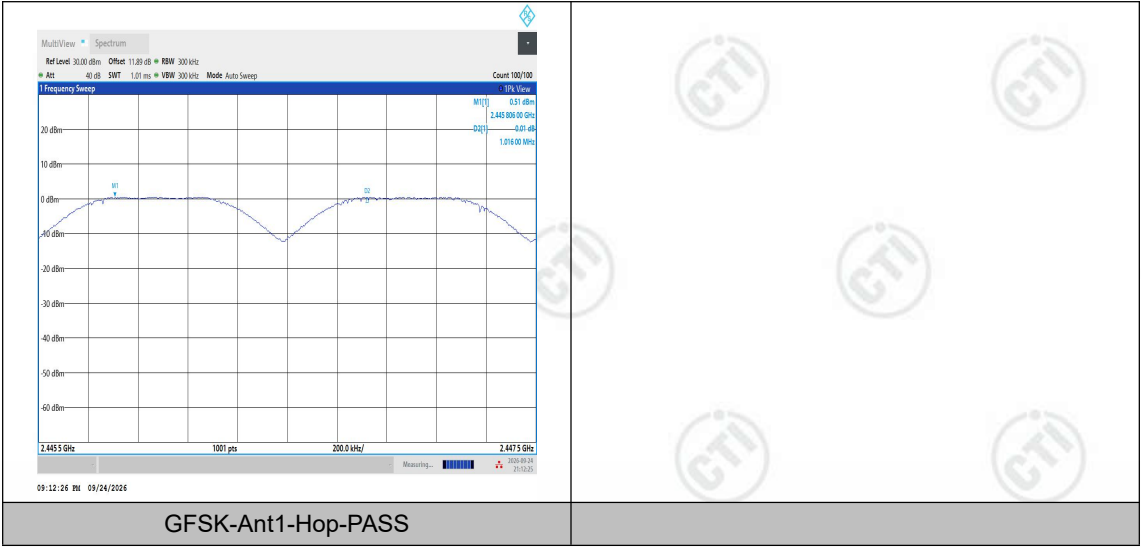


## Appendix D: Carrier frequency separation

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|-------------|------------|---------|
| GFSK     | Ant1    | Hop            | 1.016       | ≥0.960     | PASS    |

Test Graphs

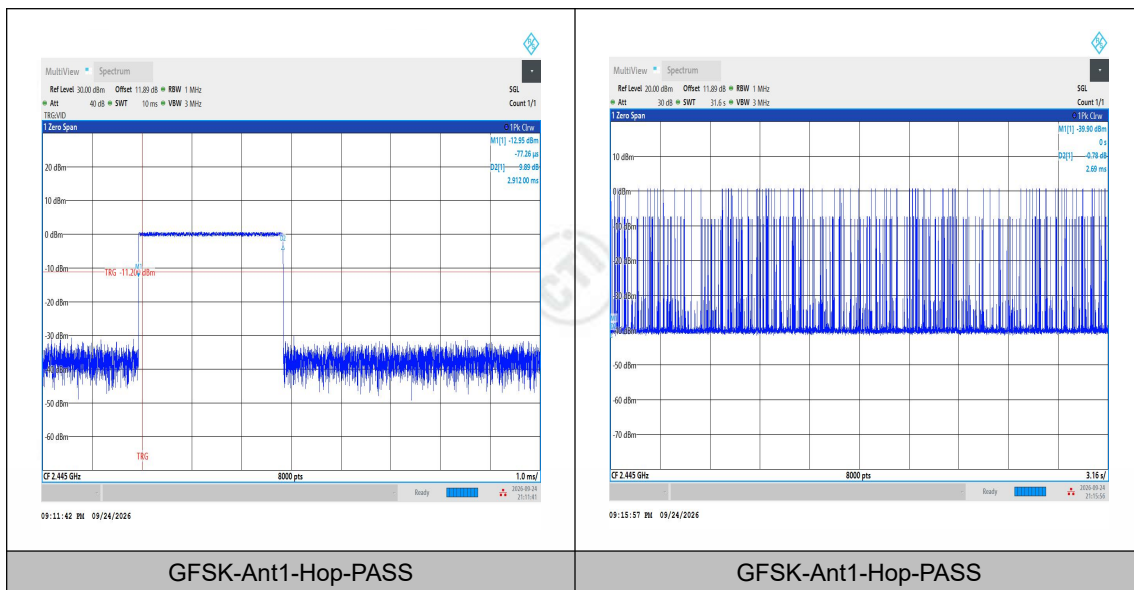


## Appendix E: Time of occupancy

### Test Result

| TestMode | Antenna | Frequency[MHz] | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|----------------|--------------------|--------------------|-----------|----------|---------|
| GFSK     | Ant1    | Hop            | 2.912              | 106.67             | 0.311     | ≤0.4     | PASS    |

## Test Graphs

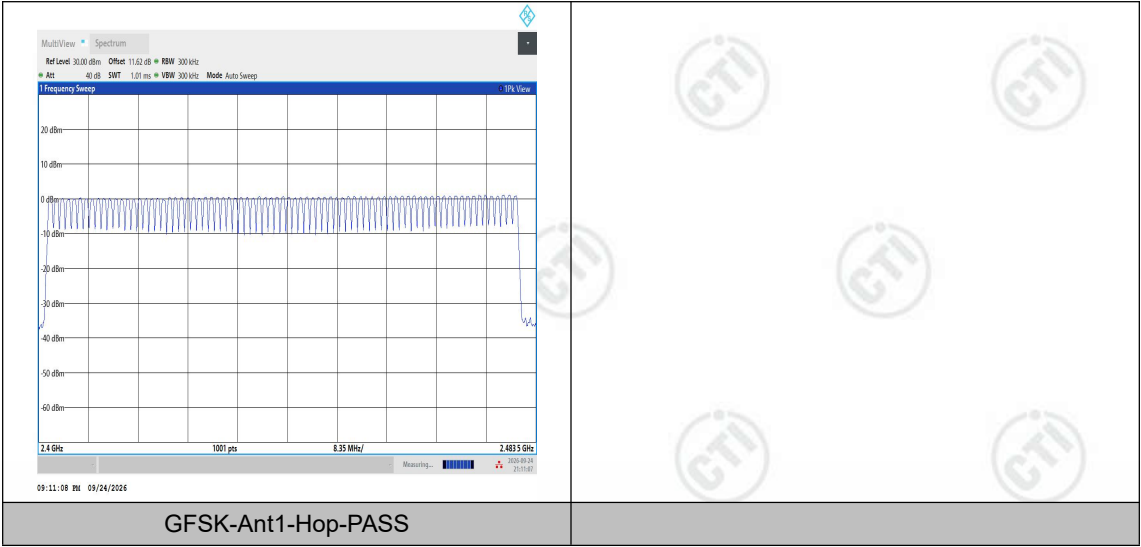


## Appendix F: Number of hopping channels

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[Num] | Limit[Num] | Verdict |
|----------|---------|----------------|-------------|------------|---------|
| GFSK     | Ant1    | Hop            | 79          | ≥15        | PASS    |

Test Graphs

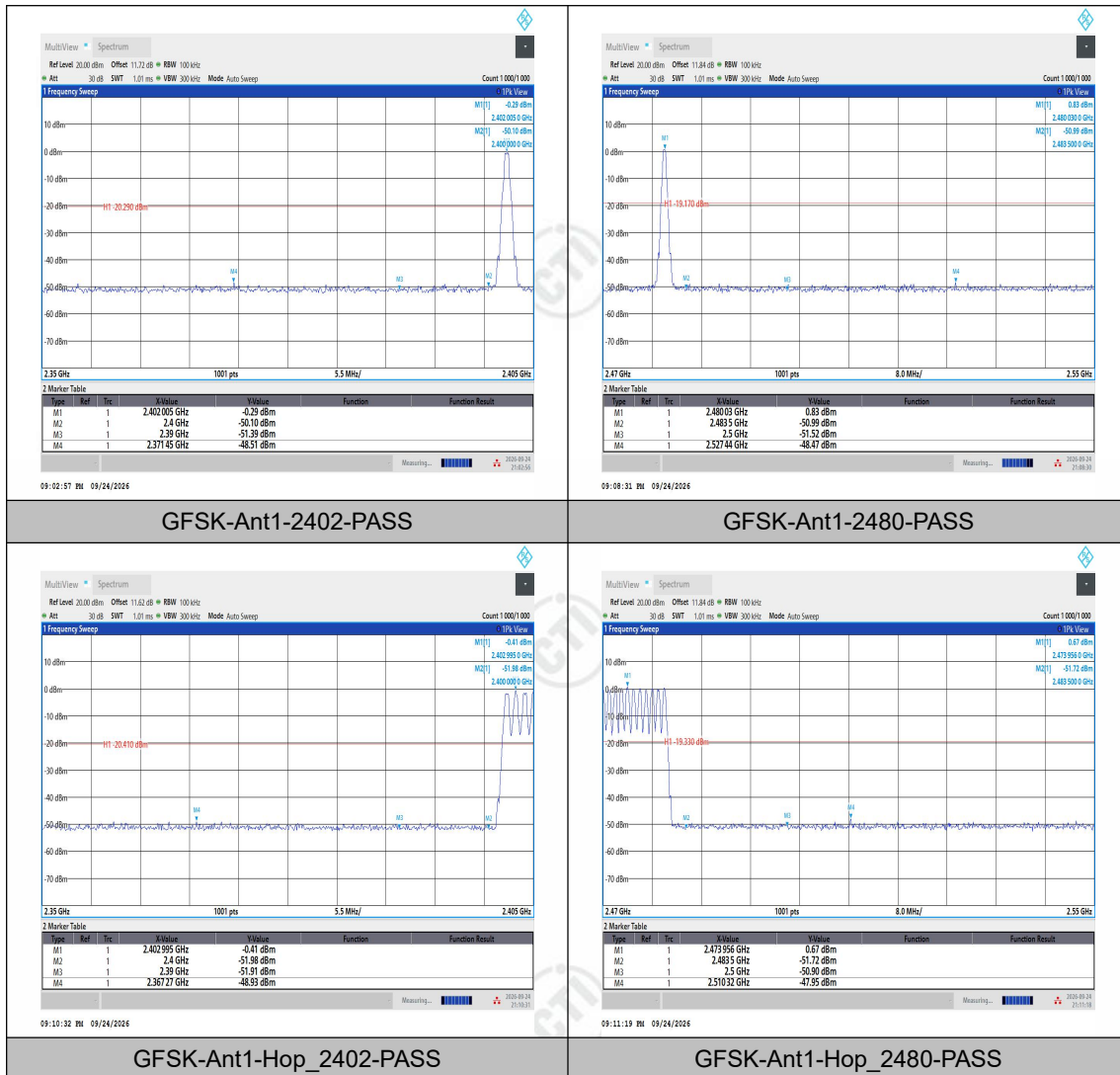


## Appendix G: Band edge measurements

### Test Result

| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|----------------|----------------|--------------|-------------|---------|
| GFSK     | Ant1    | Low    | 2402           | -0.29          | -48.51       | ≤-20.29     | PASS    |
| GFSK     | Ant1    | High   | 2480           | 0.83           | -48.47       | ≤-19.17     | PASS    |
| GFSK     | Ant1    | Low    | Hop_2402       | -0.41          | -48.93       | ≤-20.41     | PASS    |
| GFSK     | Ant1    | High   | Hop_2480       | 0.67           | -47.95       | ≤-19.33     | PASS    |

## Test Graphs



## Appendix H: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Frequency<br>[MHz] | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|--------------------|--------------------|-------------------|-----------------|----------------|---------|
| GFSK     | Ant1    | 2402               | 0~Reference        | -0.27             | -0.27           | ---            | PASS    |
| GFSK     | Ant1    | 2402               | 30~1000            | -0.27             | -59.79          | ≤-20.27        | PASS    |
| GFSK     | Ant1    | 2402               | 1000~12750         | -0.27             | -27.4           | ≤-20.27        | PASS    |
| GFSK     | Ant1    | 2402               | 12750~26500        | -0.27             | -38.71          | ≤-20.27        | PASS    |
| GFSK     | Ant1    | 2445               | 0~Reference        | 0.31              | 0.31            | ---            | PASS    |
| GFSK     | Ant1    | 2445               | 30~1000            | 0.31              | -59.53          | ≤-19.69        | PASS    |
| GFSK     | Ant1    | 2445               | 1000~12750         | 0.31              | -25.93          | ≤-19.69        | PASS    |
| GFSK     | Ant1    | 2445               | 12750~26500        | 0.31              | -38.17          | ≤-19.69        | PASS    |
| GFSK     | Ant1    | 2480               | 0~Reference        | 0.90              | 0.90            | ---            | PASS    |
| GFSK     | Ant1    | 2480               | 30~1000            | 0.90              | -59.74          | ≤-19.1         | PASS    |
| GFSK     | Ant1    | 2480               | 1000~12750         | 0.90              | -25.55          | ≤-19.1         | PASS    |
| GFSK     | Ant1    | 2480               | 12750~26500        | 0.90              | -38.39          | ≤-19.1         | PASS    |