

## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Channel | FreqRange [Mhz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|---------|-----------------|----------------|--------------|-------------|---------|
| 11B      | Ant1    | 2412    | Reference       | 5.25           | 5.25         | ---         | PASS    |
|          |         |         | 30~3000         | 5.25           | -46.95       | <=-14.75    | PASS    |
|          |         |         | 3000~26500      | 5.25           | -37.58       | <=-14.75    | PASS    |
|          |         | 2437    | Reference       | 5.81           | 5.81         | ---         | PASS    |
|          |         |         | 30~3000         | 5.81           | -34.31       | <=-14.19    | PASS    |
|          |         |         | 3000~26500      | 5.81           | -37.22       | <=-14.19    | PASS    |
|          |         | 2462    | Reference       | 5.26           | 5.26         | ---         | PASS    |
|          |         |         | 30~3000         | 5.26           | -47.15       | <=-14.74    | PASS    |
|          |         |         | 3000~26500      | 5.26           | -37.18       | <=-14.74    | PASS    |
| 11G      | Ant1    | 2412    | Reference       | 2.24           | 2.24         | ---         | PASS    |
|          |         |         | 30~3000         | 2.24           | -47.32       | <=-17.76    | PASS    |
|          |         |         | 3000~26500      | 2.24           | -37.34       | <=-17.76    | PASS    |
|          |         | 2437    | Reference       | 2.58           | 2.58         | ---         | PASS    |
|          |         |         | 30~3000         | 2.58           | -46.73       | <=-17.42    | PASS    |
|          |         |         | 3000~26500      | 2.58           | -37.31       | <=-17.42    | PASS    |
|          |         | 2462    | Reference       | 1.94           | 1.94         | ---         | PASS    |
|          |         |         | 30~3000         | 1.94           | -47.1        | <=-18.06    | PASS    |
|          |         |         | 3000~26500      | 1.94           | -37.49       | <=-18.06    | PASS    |
| 11N20    | Ant1    | 2412    | Reference       | 0.84           | 0.84         | ---         | PASS    |
|          |         |         | 30~3000         | 0.84           | -47.04       | <=-19.16    | PASS    |
|          |         |         | 3000~26500      | 0.84           | -37.23       | <=-19.16    | PASS    |
|          |         | 2437    | Reference       | 1.15           | 1.15         | ---         | PASS    |
|          |         |         | 30~3000         | 1.15           | -46.4        | <=-18.85    | PASS    |
|          |         |         | 3000~26500      | 1.15           | -36.59       | <=-18.85    | PASS    |
|          |         | 2462    | Reference       | 0.91           | 0.91         | ---         | PASS    |
|          |         |         | 30~3000         | 0.91           | -46.95       | <=-19.09    | PASS    |
|          |         |         | 3000~26500      | 0.91           | -37.3        | <=-19.09    | PASS    |
| 11N40    | Ant1    | 2422    | Reference       | -1.74          | -1.74        | ---         | PASS    |
|          |         |         | 30~3000         | -1.74          | -46.09       | <=-21.74    | PASS    |
|          |         |         | 3000~26500      | -1.74          | -37.53       | <=-21.74    | PASS    |
|          |         | 2437    | Reference       | -1.74          | -1.74        | ---         | PASS    |
|          |         |         | 30~3000         | -1.74          | -47.06       | <=-21.74    | PASS    |
|          |         |         | 3000~26500      | -1.74          | -37.25       | <=-21.74    | PASS    |
|          |         | 2452    | Reference       | -2.19          | -2.19        | ---         | PASS    |
|          |         |         | 30~3000         | -2.19          | -45.9        | <=-22.19    | PASS    |
|          |         |         | 3000~26500      | -2.19          | -36.74       | <=-22.19    | PASS    |

| TestMod<br>e | Antenna | Channel | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdic<br>t |
|--------------|---------|---------|--------------------|-------------------|-----------------|----------------|-------------|
| 11B          | Ant2    | 2412    | Reference          | 4.07              | 4.07            | ---            | PASS        |
|              |         |         | 30~3000            | 4.07              | -47.24          | <=-15.93       | PASS        |
|              |         |         | 3000~26500         | 4.07              | -36.94          | <=-15.93       | PASS        |
|              |         | 2437    | Reference          | 4.56              | 4.56            | ---            | PASS        |
|              |         |         | 30~3000            | 4.56              | -47.19          | <=-15.44       | PASS        |
|              |         |         | 3000~26500         | 4.56              | -37.73          | <=-15.44       | PASS        |
|              |         | 2462    | Reference          | 4.23              | 4.23            | ---            | PASS        |
|              |         |         | 30~3000            | 4.23              | -47.44          | <=-15.77       | PASS        |
|              |         |         | 3000~26500         | 4.23              | -37.2           | <=-15.77       | PASS        |
| 11G          | Ant2    | 2412    | Reference          | -0.05             | -0.05           | ---            | PASS        |
|              |         |         | 30~3000            | -0.05             | -47.26          | <=-20.05       | PASS        |
|              |         |         | 3000~26500         | -0.05             | -35.99          | <=-20.05       | PASS        |
|              |         | 2437    | Reference          | 0.75              | 0.75            | ---            | PASS        |
|              |         |         | 30~3000            | 0.75              | -46.33          | <=-19.25       | PASS        |
|              |         |         | 3000~26500         | 0.75              | -37.09          | <=-19.25       | PASS        |
|              |         | 2462    | Reference          | 0.53              | 0.53            | ---            | PASS        |
|              |         |         | 30~3000            | 0.53              | -47.42          | <=-19.47       | PASS        |
|              |         |         | 3000~26500         | 0.53              | -36.17          | <=-19.47       | PASS        |
| 11N20        | Ant2    | 2412    | Reference          | 0.22              | 0.22            | ---            | PASS        |
|              |         |         | 30~3000            | 0.22              | -47.19          | <=-19.78       | PASS        |
|              |         |         | 3000~26500         | 0.22              | -37.45          | <=-19.78       | PASS        |
|              |         | 2437    | Reference          | 0.46              | 0.46            | ---            | PASS        |
|              |         |         | 30~3000            | 0.46              | -47.15          | <=-19.54       | PASS        |
|              |         |         | 3000~26500         | 0.46              | -36.6           | <=-19.54       | PASS        |
|              |         | 2462    | Reference          | 0.11              | 0.11            | ---            | PASS        |
|              |         |         | 30~3000            | 0.11              | -46.79          | <=-19.89       | PASS        |
|              |         |         | 3000~26500         | 0.11              | -36.26          | <=-19.89       | PASS        |
| 11N40        | Ant2    | 2422    | Reference          | -2.46             | -2.46           | ---            | PASS        |
|              |         |         | 30~3000            | -2.46             | -46.98          | <=-22.46       | PASS        |
|              |         |         | 3000~26500         | -2.46             | -36.97          | <=-22.46       | PASS        |
|              |         | 2437    | Reference          | -2.23             | -2.23           | ---            | PASS        |
|              |         |         | 30~3000            | -2.23             | -47.53          | <=-22.23       | PASS        |
|              |         |         | 3000~26500         | -2.23             | -37.05          | <=-22.23       | PASS        |
|              |         | 2452    | Reference          | -2.82             | -2.82           | ---            | PASS        |
|              |         |         | 30~3000            | -2.82             | -47.15          | <=-22.82       | PASS        |
|              |         |         | 3000~26500         | -2.82             | -36.55          | <=-22.82       | PASS        |

## Test Graphs

11B\_Ant1\_2412\_0-Reference



11B\_Ant1\_2412\_30~3000



11B\_Ant1\_2412\_3000~26500



11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~3000



## 11B\_Ant1\_2437\_3000~26500



## 11B\_Ant1\_2462\_0~Reference



## 11B\_Ant1\_2462\_30~3000



11B\_Ant1\_2462\_3000~26500



11G\_Ant1\_2412\_0-Reference



## 11G\_Ant1\_2412\_30-3000



## 11G\_Ant1\_2412\_3000-26500



## 11G\_Ant1\_2437\_0-Reference



11G\_Ant1\_2437\_30~3000



11G\_Ant1\_2437\_3000~26500



## 11G\_Ant1\_2462\_0~Reference



## 11G\_Ant1\_2462\_30~3000



## 11G\_Ant1\_2462\_3000~26500



11N20\_Ant1\_2412\_0~Reference



11N20\_Ant1\_2412\_30~3000



## 11N20\_Ant1\_2412\_3000~26500



## 11N20\_Ant1\_2437\_0~Reference



## 11N20\_Ant1\_2437\_30~3000



11N20\_Ant1\_2437\_3000~26500



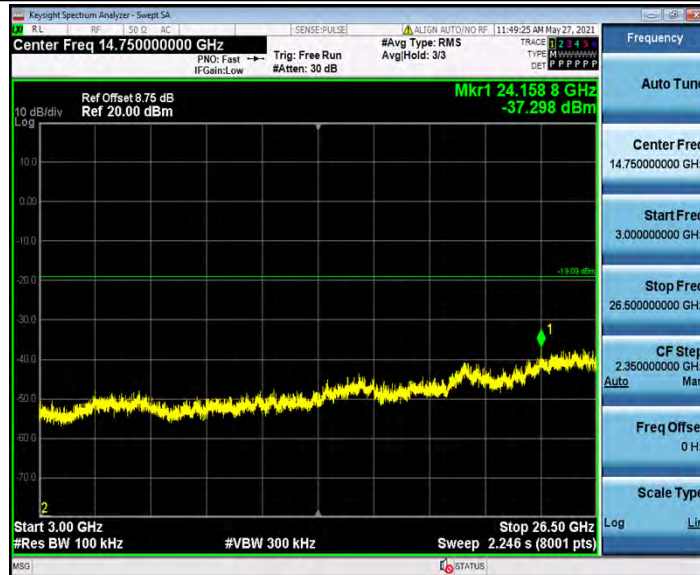
11N20\_Ant1\_2462\_0~Reference



## 11N20\_Ant1\_2462\_30~3000



## 11N20\_Ant1\_2462\_3000~26500



## 11N40\_Ant1\_2422\_0~Reference



11N40\_Ant1\_2422\_30~3000



11N40\_Ant1\_2422\_3000~26500



## 11N40\_Ant1\_2437\_0~Reference



## 11N40\_Ant1\_2437\_30~3000



## 11N40\_Ant1\_2437\_3000~26500

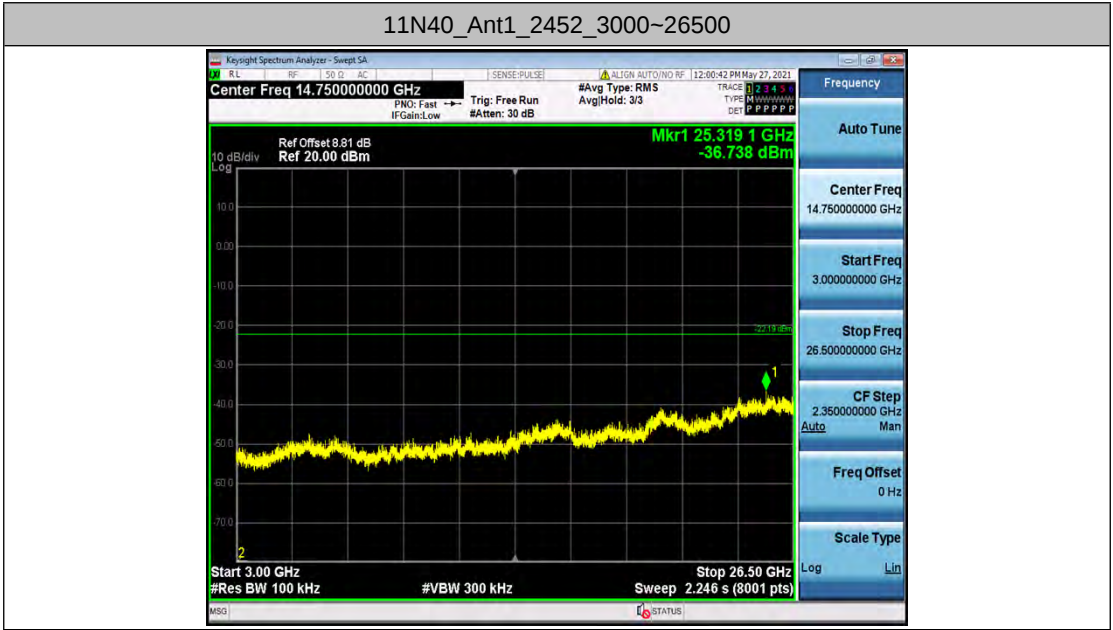


11N40\_Ant1\_2452\_0~Reference



11N40\_Ant1\_2452\_30~3000





## 11B\_Ant2\_2412\_0-Reference



## 11B\_Ant2\_2412\_30-3000



## 11B\_Ant2\_2412\_3000-26500



11B\_Ant2\_2437\_0~Reference



11B\_Ant2\_2437\_30~3000



## 11B\_Ant2\_2437\_3000~26500



## 11B\_Ant2\_2462\_0~Reference



## 11B\_Ant2\_2462\_30~3000



11B\_Ant2\_2462\_3000~26500



11G\_Ant2\_2412\_0-Reference



## 11G\_Ant2\_2412\_30-3000



## 11G\_Ant2\_2412\_3000-26500



## 11G\_Ant2\_2437\_0-Reference



11G\_Ant2\_2437\_30~3000



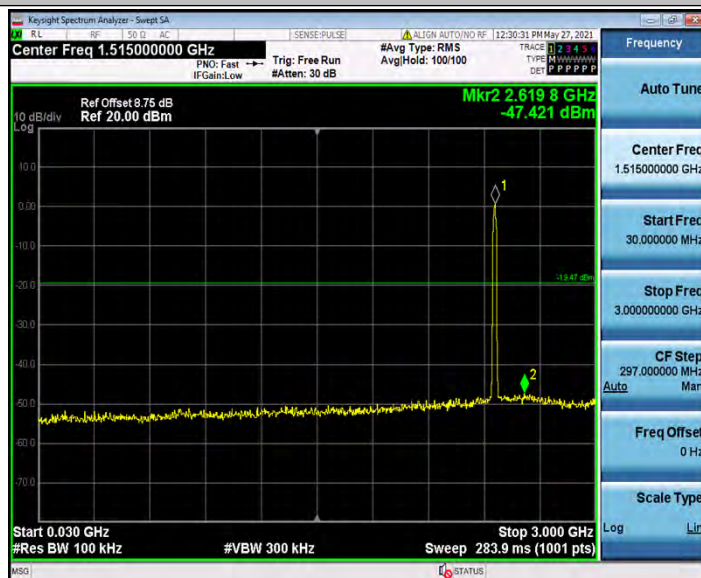
11G\_Ant2\_2437\_3000~26500



## 11G\_Ant2\_2462\_0~Reference



## 11G\_Ant2\_2462\_30~3000



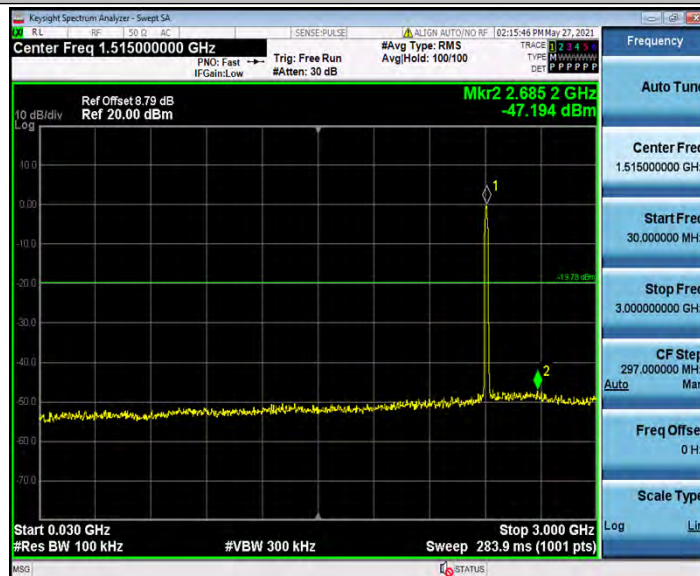
## 11G\_Ant2\_2462\_3000~26500



11N20\_Ant2\_2412\_0~Reference



11N20\_Ant2\_2412\_30~3000



## 11N20\_Ant2\_2412\_3000~26500



## 11N20\_Ant2\_2437\_0~Reference



## 11N20\_Ant2\_2437\_30~3000



11N20\_Ant2\_2437\_3000~26500



11N20\_Ant2\_2462\_0~Reference



## 11N20\_Ant2\_2462\_30~3000



## 11N20\_Ant2\_2462\_3000~26500



## 11N40\_Ant2\_2422\_0~Reference



11N40\_Ant2\_2422\_30~3000



11N40\_Ant2\_2422\_3000~26500



## 11N40\_Ant2\_2437\_0~Reference



## 11N40\_Ant2\_2437\_30~3000



## 11N40\_Ant2\_2437\_3000~26500

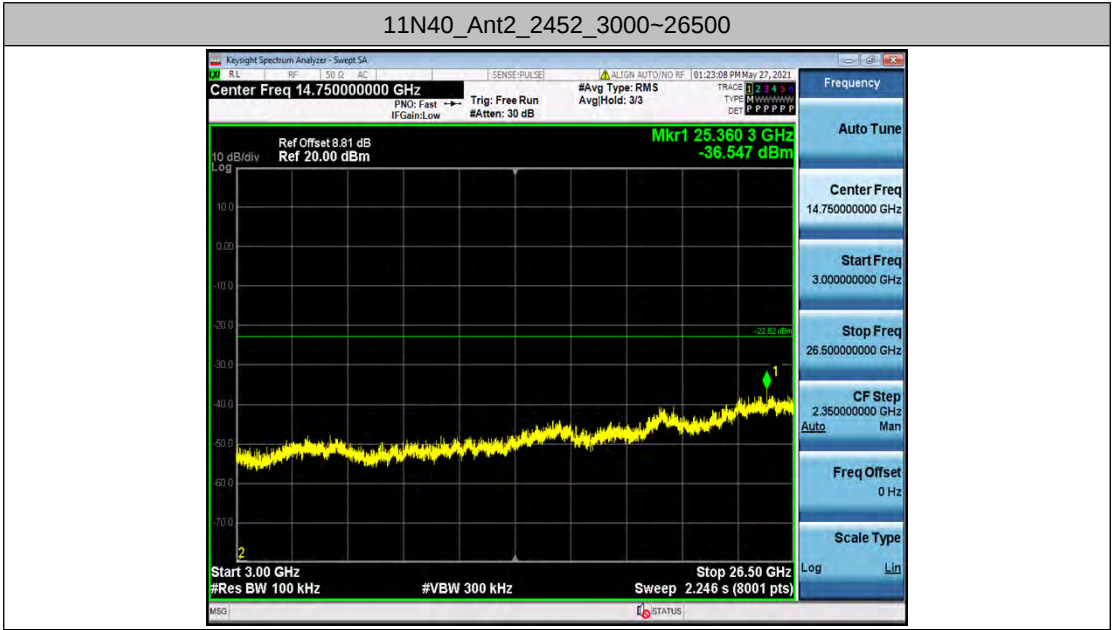


11N40\_Ant2\_2452\_0~Reference



11N40\_Ant2\_2452\_30~3000





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