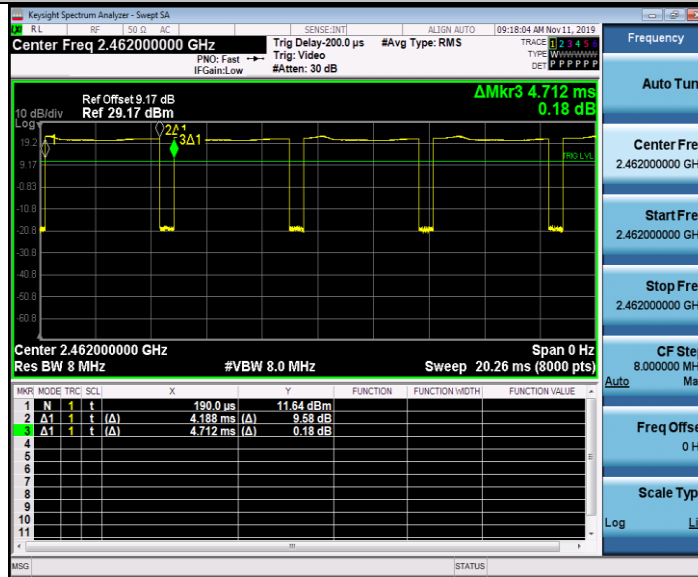
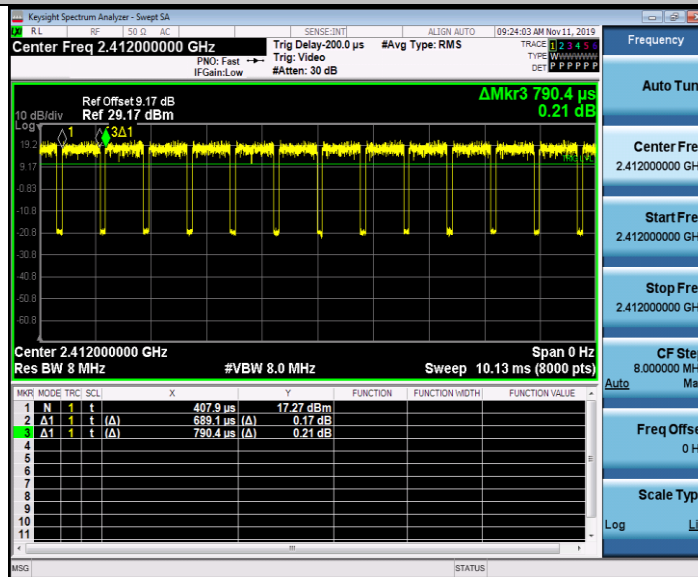


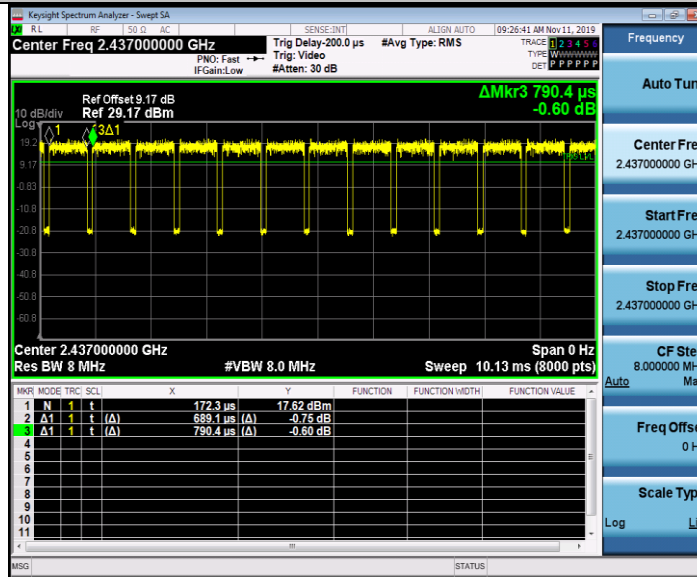
11B\_Ant1\_2462



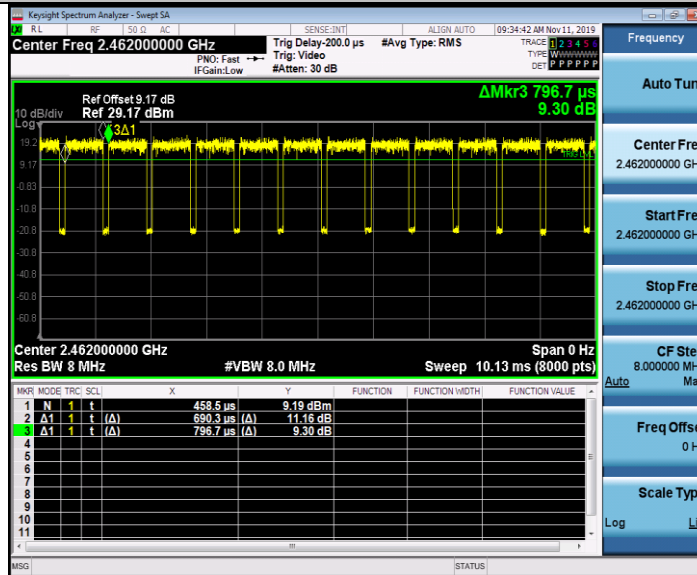
11G\_Ant1\_2412



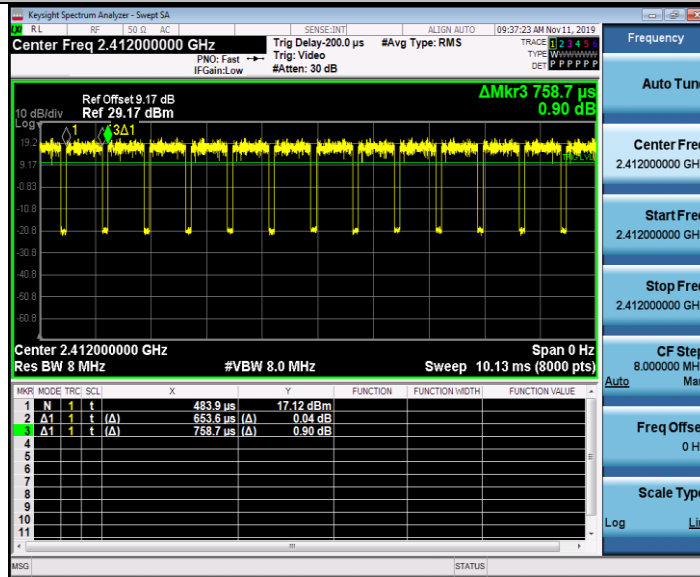
## 11G\_Ant1\_2437



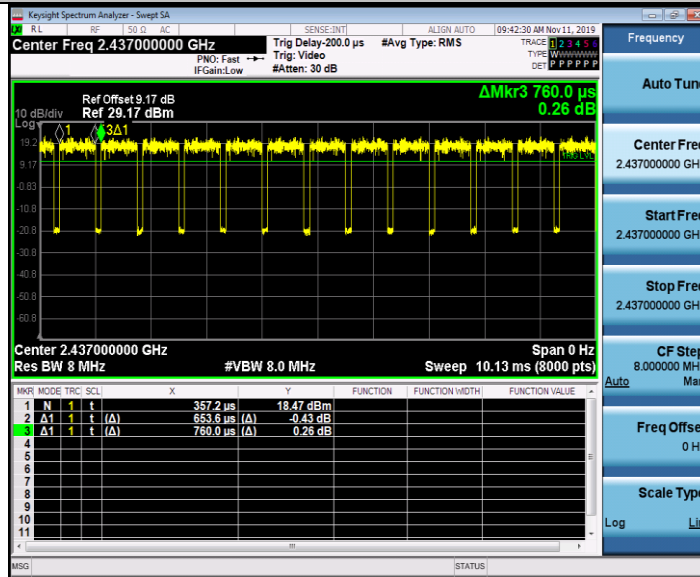
## 11G\_Ant1\_2462



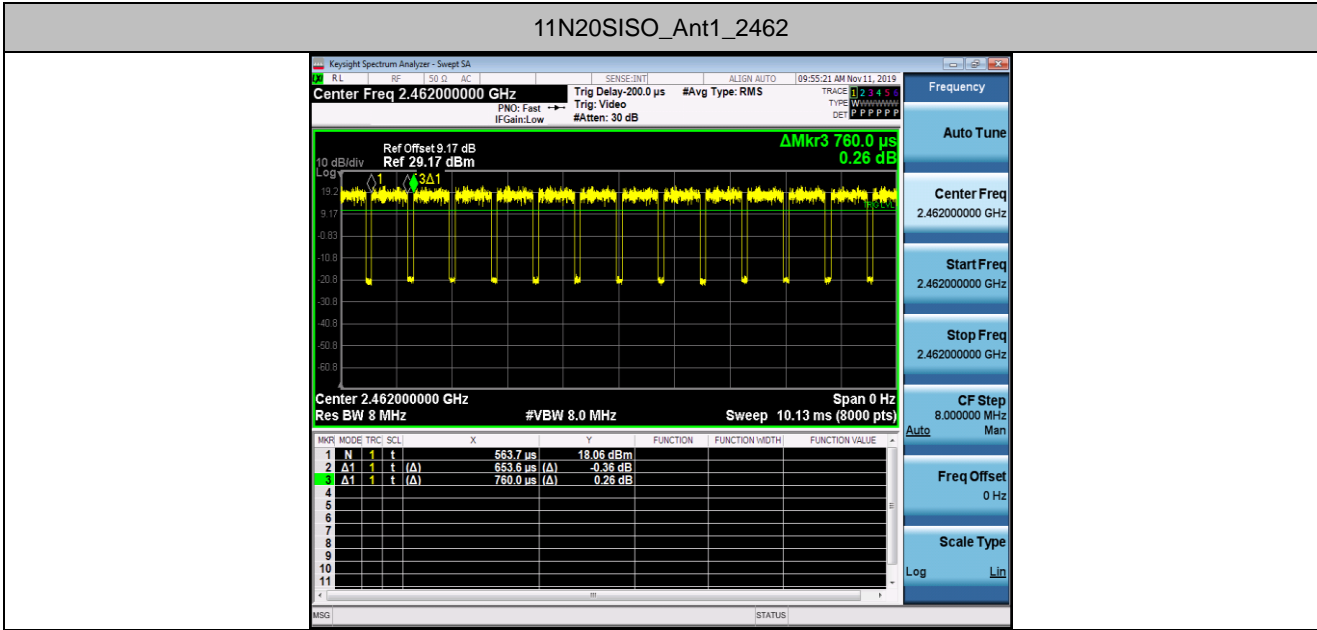
11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



## 11N20SISO\_Ant1\_2462



## Appendix E: Maximum power spectral density

### Test Result

| TestMode  | Antenna | Channel | Meas.Level [dBm] | DT (%) | 10 log (1/x) | AV.PSD [dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|------------------|--------|--------------|--------------|------------|---------|
| 11B       | Ant1    | 2412    | -8.03            | 88.82  | 0.51         | -7.52        | <=18       | PASS    |
|           |         | 2437    | -5.16            | 88.87  | 0.51         | -4.65        | <=18       | PASS    |
|           |         | 2462    | -4.98            | 88.87  | 0.51         | -4.47        | <=18       | PASS    |
| 11G       | Ant1    | 2412    | -8.60            | 87.18  | 0.60         | -8           | <=18       | PASS    |
|           |         | 2437    | -7.66            | 87.18  | 0.60         | -7.06        | <=18       | PASS    |
|           |         | 2462    | -7.61            | 86.65  | 0.62         | -6.99        | <=18       | PASS    |
| 11N20SISO | Ant1    | 2412    | -8.32            | 86.14  | 0.65         | -7.67        | <=18       | PASS    |
|           |         | 2437    | -7.41            | 86     | 0.66         | -6.75        | <=18       | PASS    |
|           |         | 2462    | -7.65            | 86     | 0.66         | -6.99        | <=18       | PASS    |

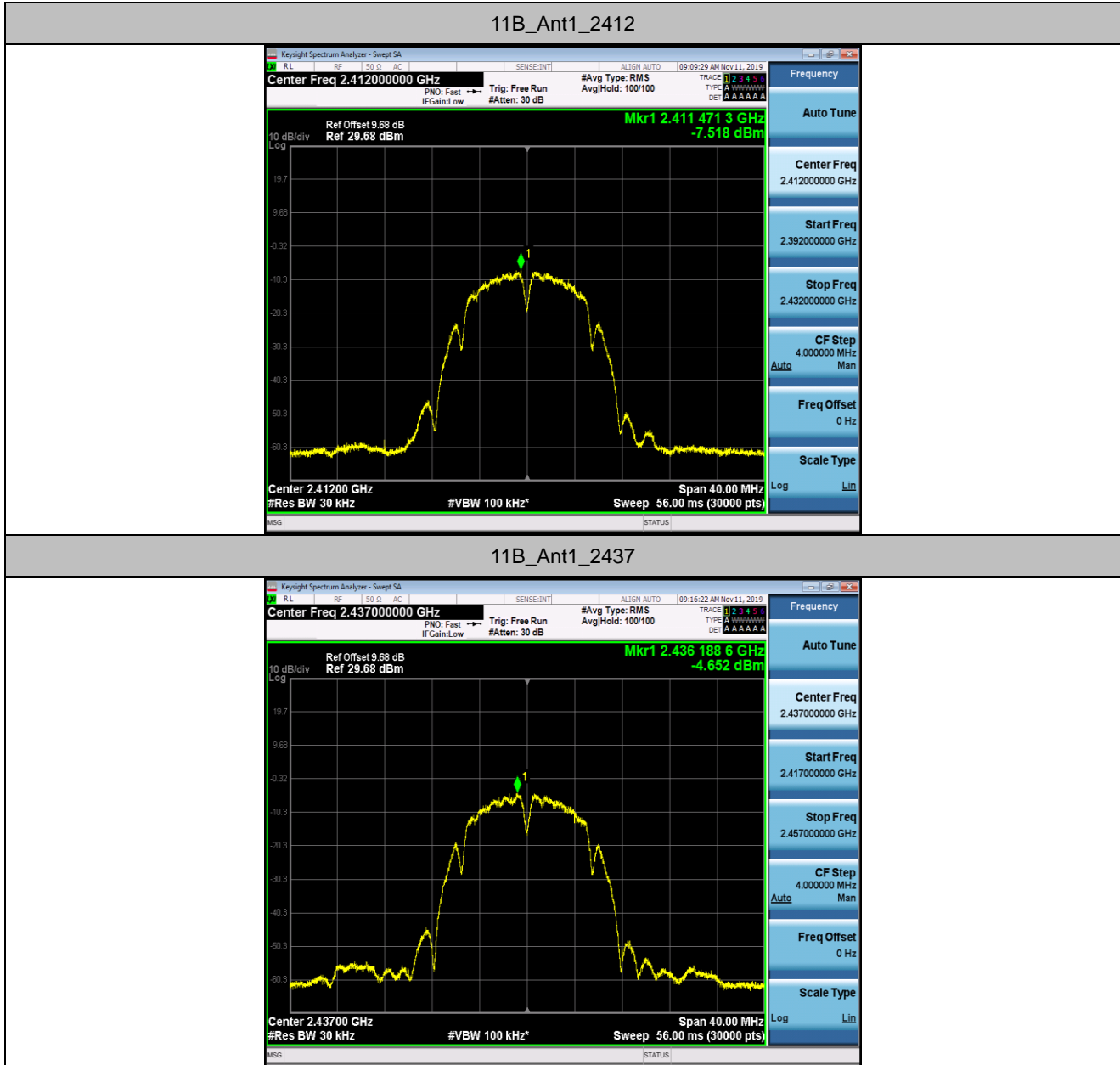
**Note:**

Duty Cycle factor has been added to the picture test results

calculating the RBW=30kHz limit

$8(\text{limit for RBW=3kHz})+10*\log(30/3)= 18$

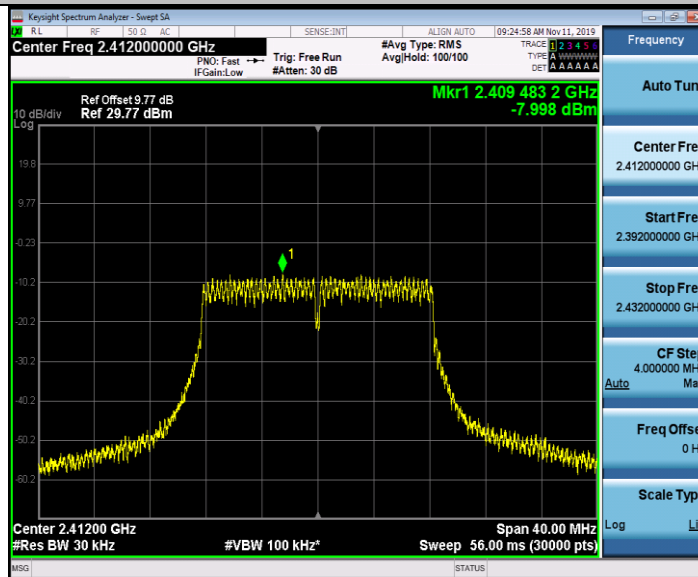
### Test Graphs



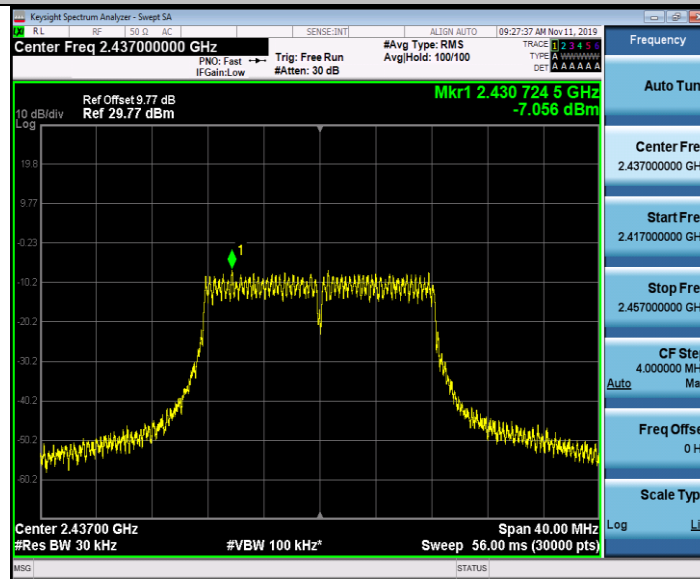
11B\_Ant1\_2462



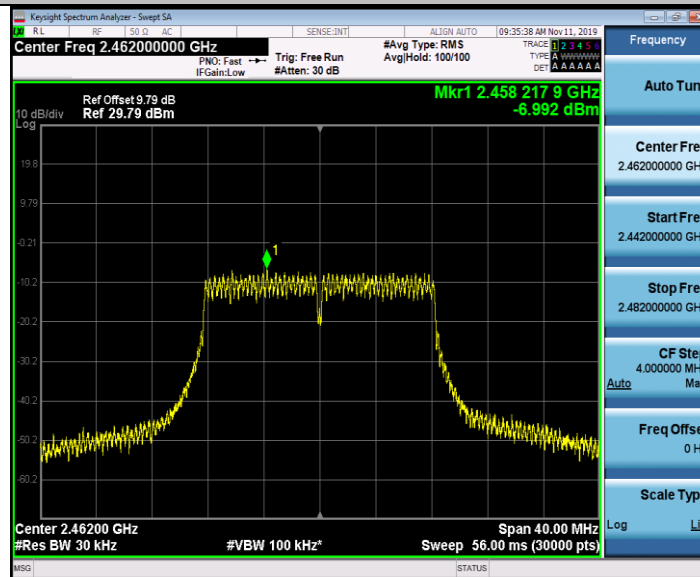
11G\_Ant1\_2412



11G\_Ant1\_2437

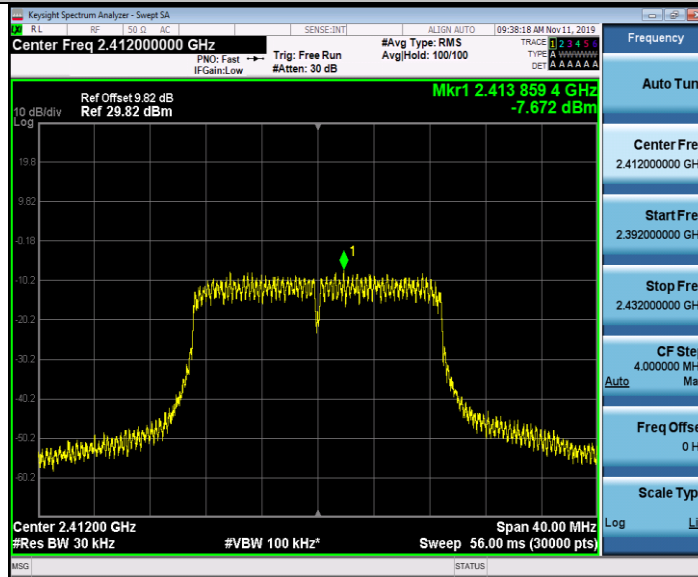


11G\_Ant1\_2462

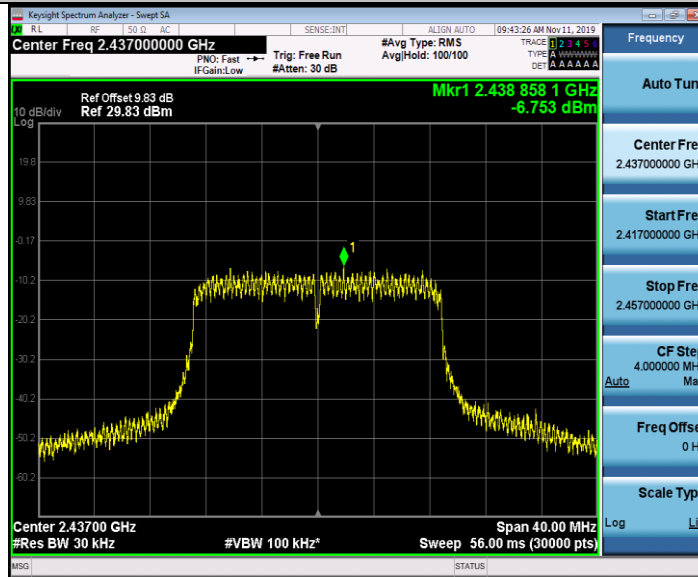


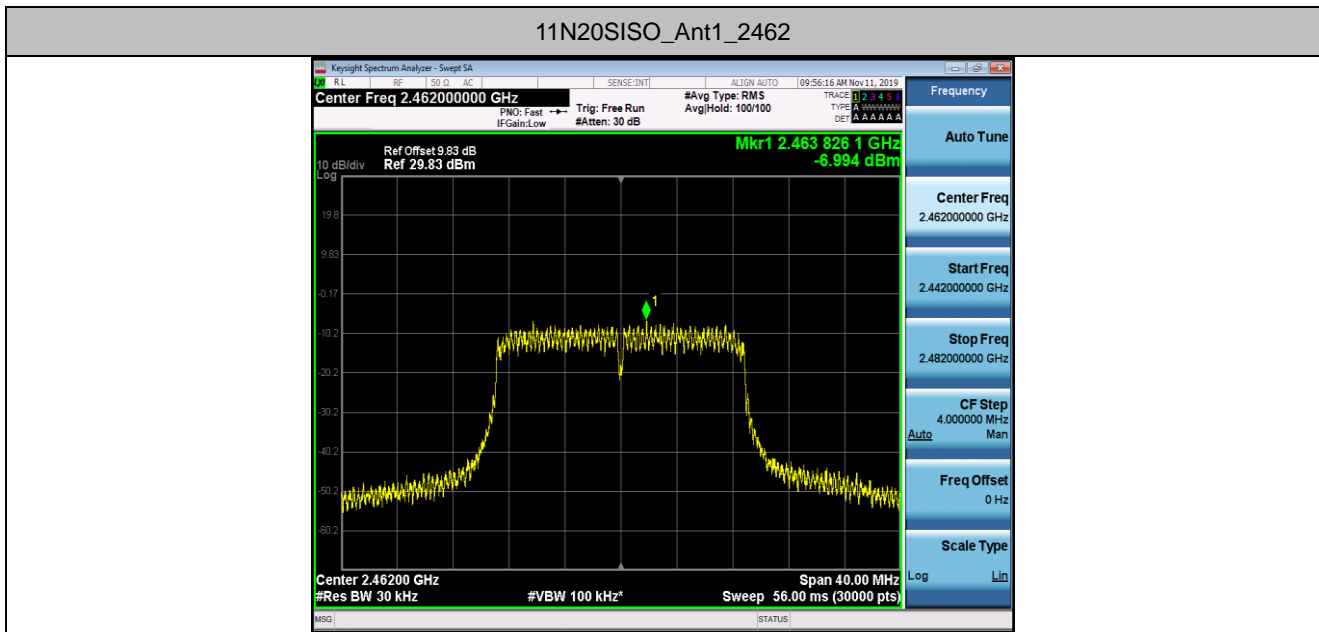


11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



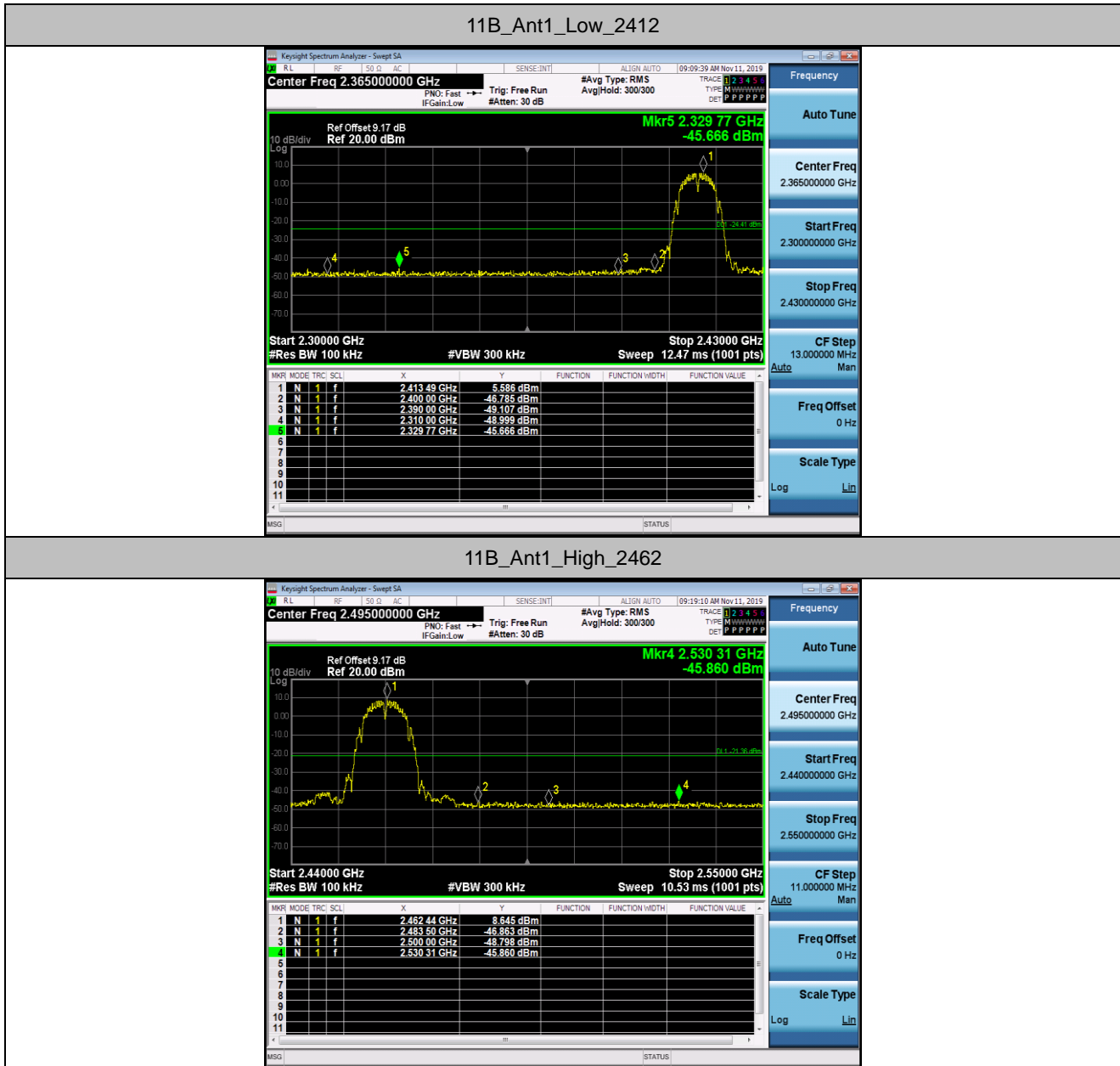


## Appendix F: Band edge measurements

### Test Result

| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low    | 2412    | 5.59          | -45.67      | <=-24.41   | PASS    |
|           |         | High   | 2462    | 8.65          | -45.86      | <=-21.36   | PASS    |
| 11G       | Ant1    | Low    | 2412    | 3.93          | -42.09      | <=-26.07   | PASS    |
|           |         | High   | 2462    | 5.59          | -45.7       | <=-24.41   | PASS    |
| 11N20SISO | Ant1    | Low    | 2412    | 4.83          | -38.5       | <=-25.17   | PASS    |
|           |         | High   | 2462    | 5.05          | -45.21      | <=-24.95   | PASS    |

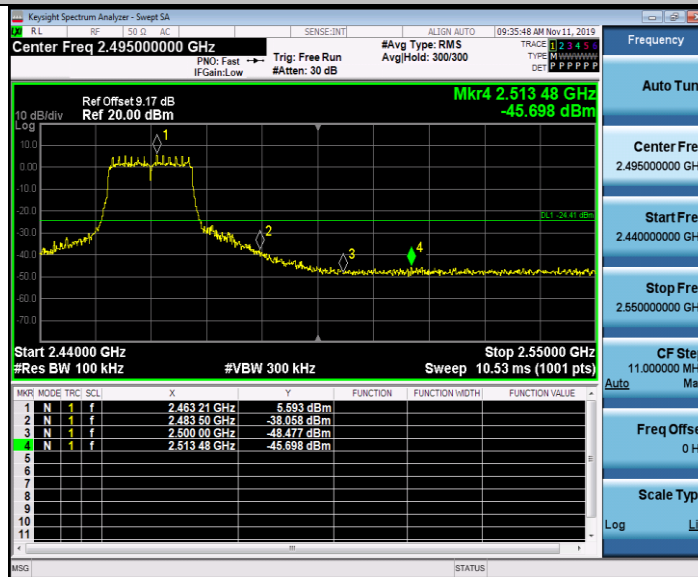
### Test Graphs



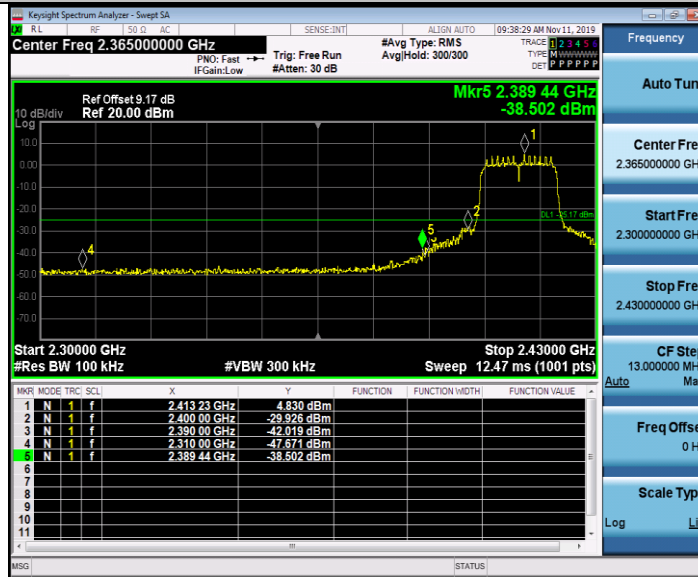
## 11G\_Ant1\_Low\_2412



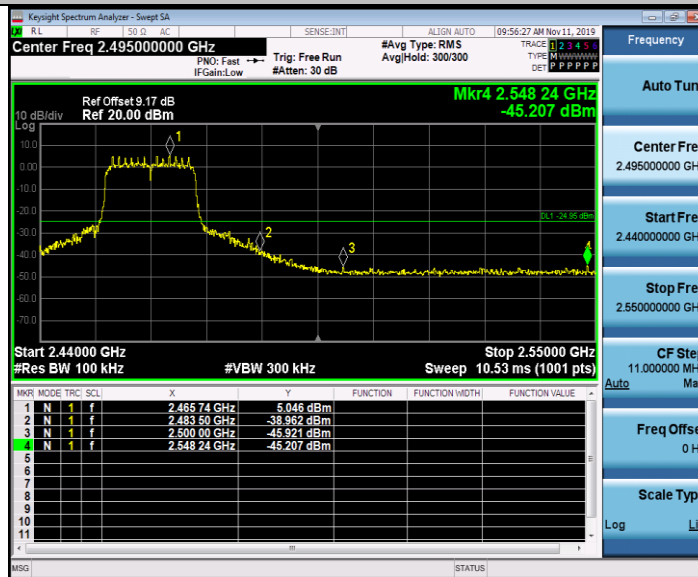
## 11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



11N20SISO\_Ant1\_High\_2462

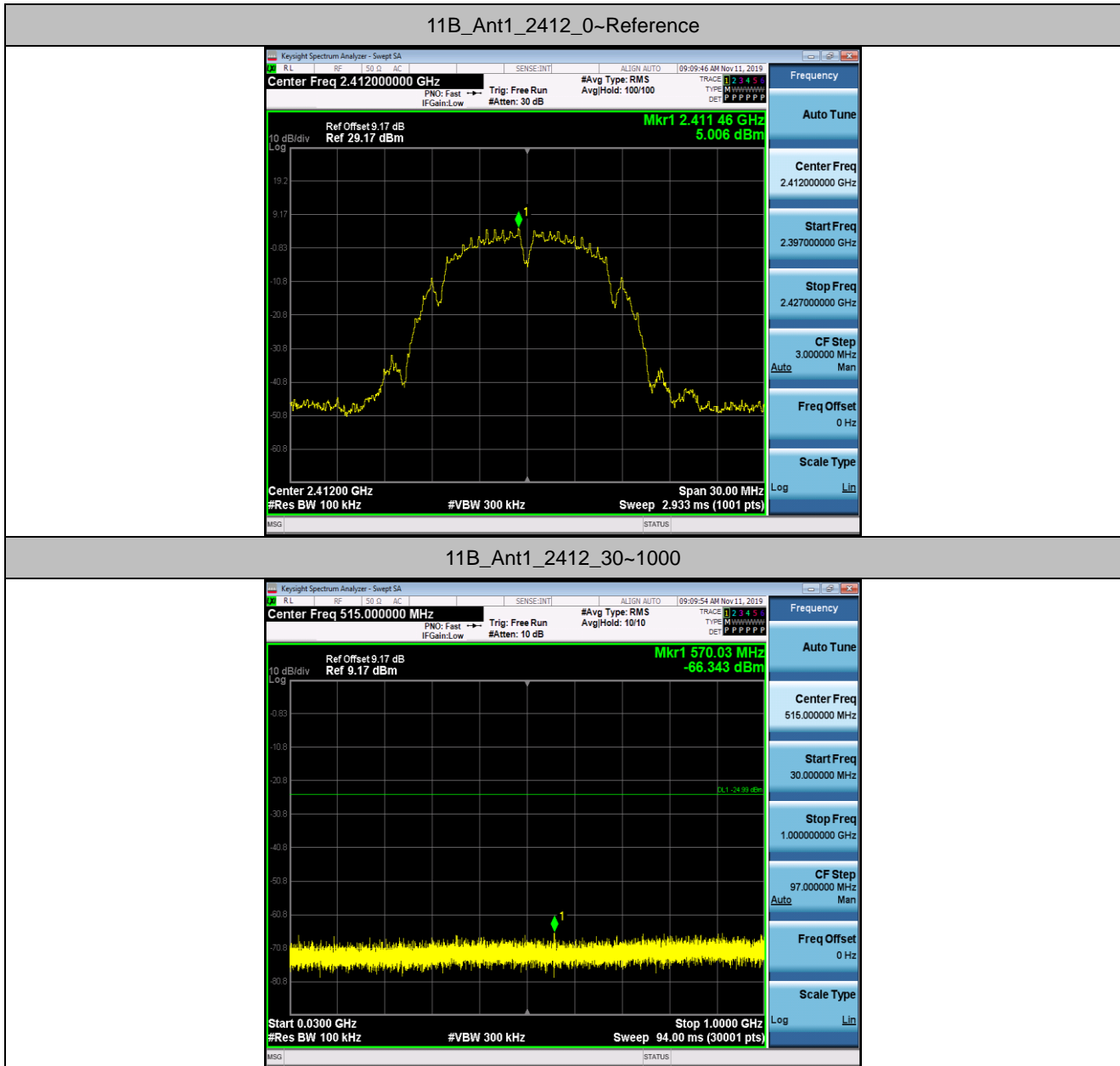


## Appendix G: Conducted Spurious Emission

### Test Result

| TestMode  | Antenna | Channel | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
| 11B       | Ant1    | 2412    | Reference          | 5.01              | 5.01            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -66.343         | <=-24.994      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -48.285         | <=-24.994      | PASS    |
|           |         | 2437    | Reference          | 7.89              | 7.89            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -65.625         | <=-22.112      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.902         | <=-22.112      | PASS    |
|           |         | 2462    | Reference          | 7.91              | 7.91            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -65.06          | <=-22.088      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.283         | <=-22.088      | PASS    |
| 11G       | Ant1    | 2412    | Reference          | 4.27              | 4.27            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -65.952         | <=-25.733      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.966         | <=-25.733      | PASS    |
|           |         | 2437    | Reference          | 4.82              | 4.82            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -65.694         | <=-25.178      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.604         | <=-25.178      | PASS    |
|           |         | 2462    | Reference          | 5.02              | 5.02            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -66.15          | <=-24.978      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.939         | <=-24.978      | PASS    |
| 11N20SISO | Ant1    | 2412    | Reference          | 4.28              | 4.28            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -66.677         | <=-25.722      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.747         | <=-25.722      | PASS    |
|           |         | 2437    | Reference          | 5.33              | 5.33            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -66.439         | <=-24.669      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.912         | <=-24.669      | PASS    |
|           |         | 2462    | Reference          | 4.82              | 4.82            | ---            | PASS    |
|           |         |         | 30~1000            | 30~1000           | -65.528         | <=-25.178      | PASS    |
|           |         |         | 1000~26500         | 1000~26500        | -47.462         | <=-25.178      | PASS    |

### Test Graphs





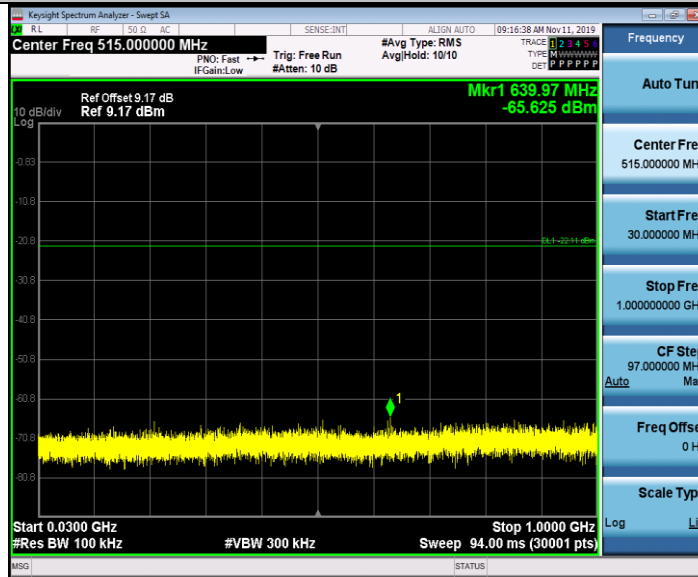
11B\_Ant1\_2412\_1000~26500



11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



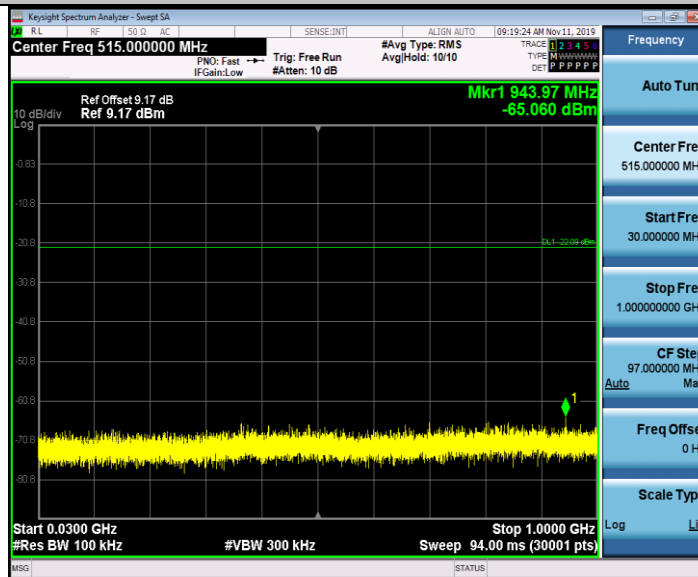
11B\_Ant1\_2437\_1000~26500



11B\_Ant1\_2462\_0~Reference



11B\_Ant1\_2462\_30~1000



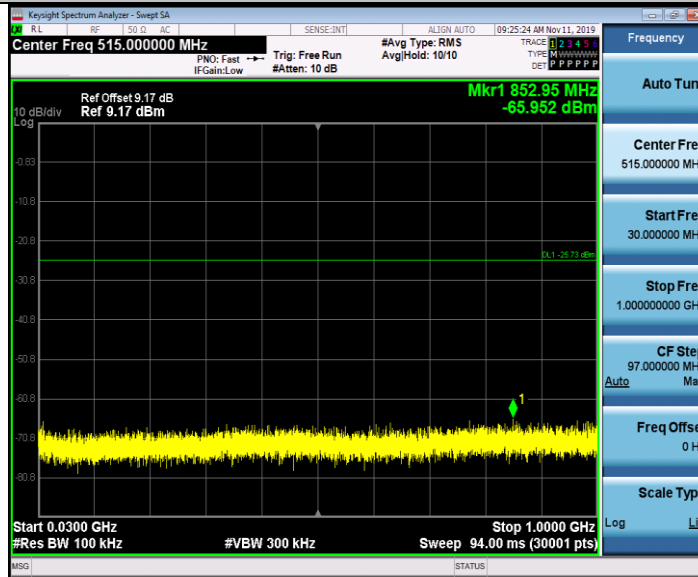
11B\_Ant1\_2462\_1000~26500



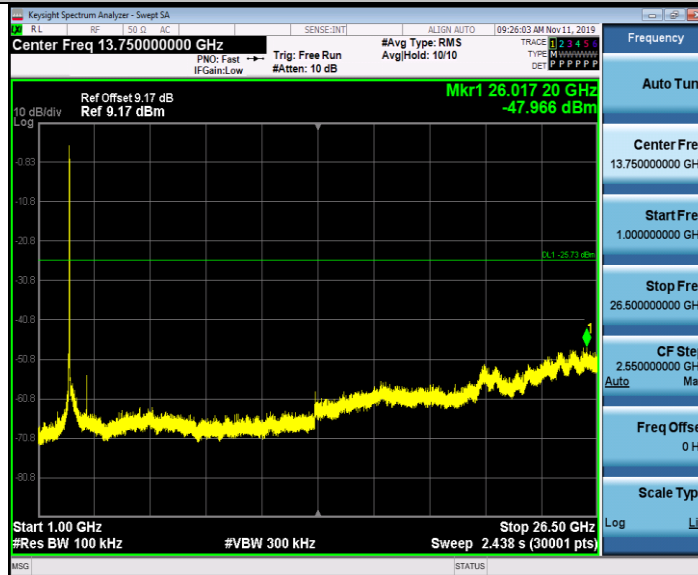
11G\_Ant1\_2412\_0~Reference



11G\_Ant1\_2412\_30~1000



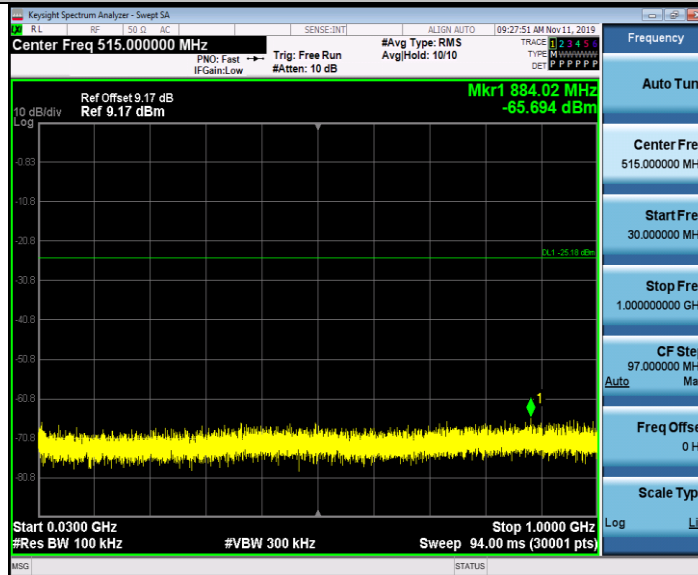
11G\_Ant1\_2412\_1000~26500



11G\_Ant1\_2437\_0~Reference



11G\_Ant1\_2437\_30~1000



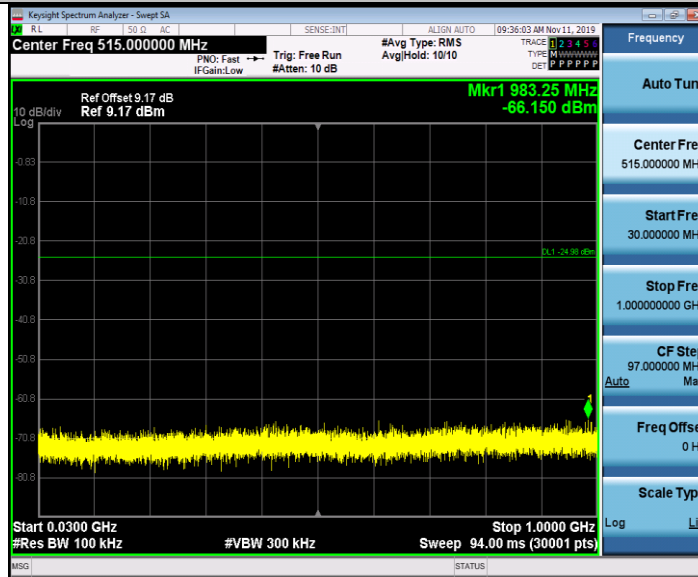
11G\_Ant1\_2437\_1000~26500



11G\_Ant1\_2462\_0~Reference



11G\_Ant1\_2462\_30~1000



11G\_Ant1\_2462\_1000~26500

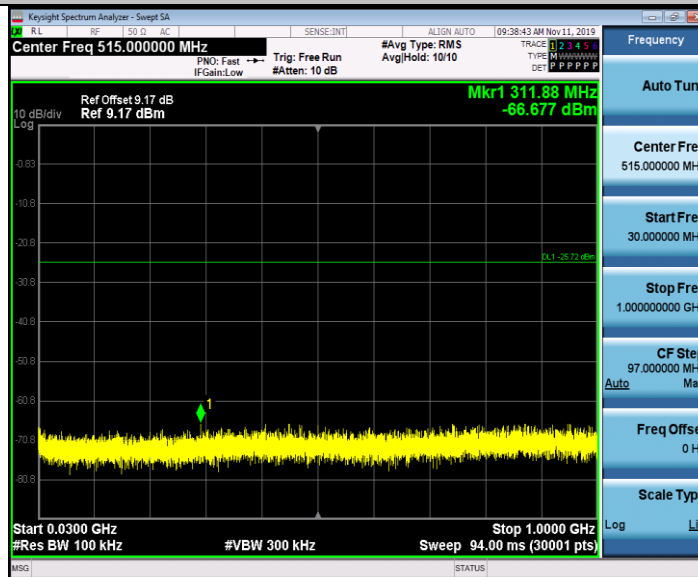




11N20SISO\_Ant1\_2412\_0~Reference



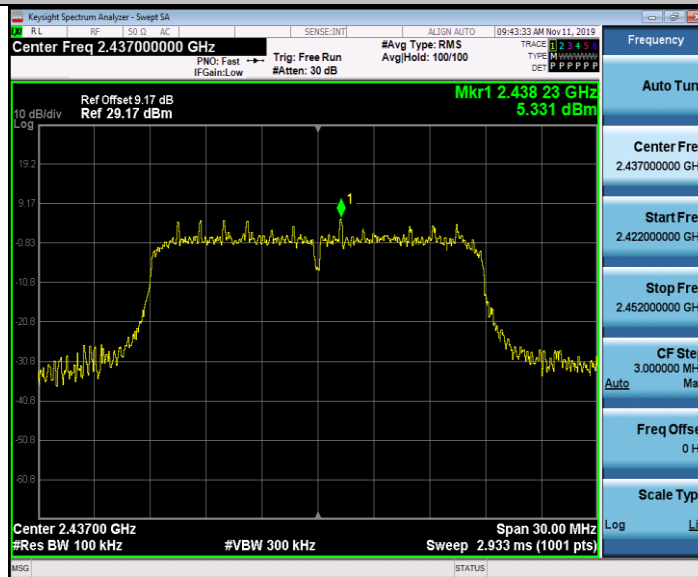
11N20SISO\_Ant1\_2412\_30~1000



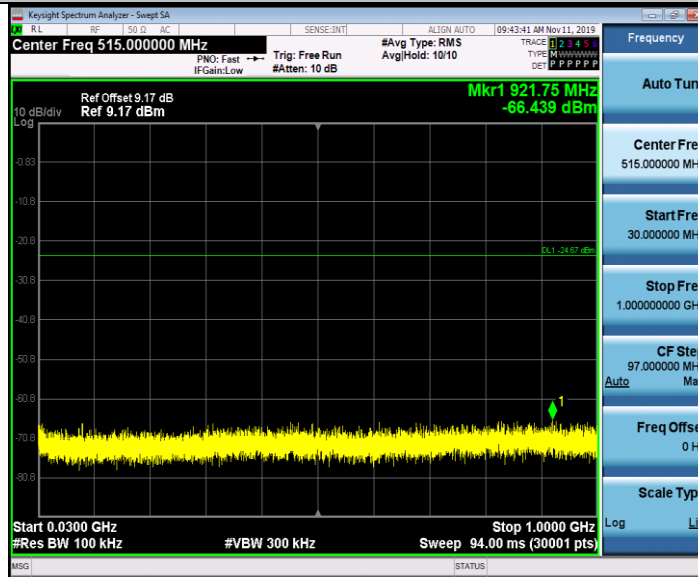
11N20SISO\_Ant1\_2412\_1000~26500



11N20SISO\_Ant1\_2437\_0~Reference



11N20SISO\_Ant1\_2437\_30~1000



11N20SISO\_Ant1\_2437\_1000~26500

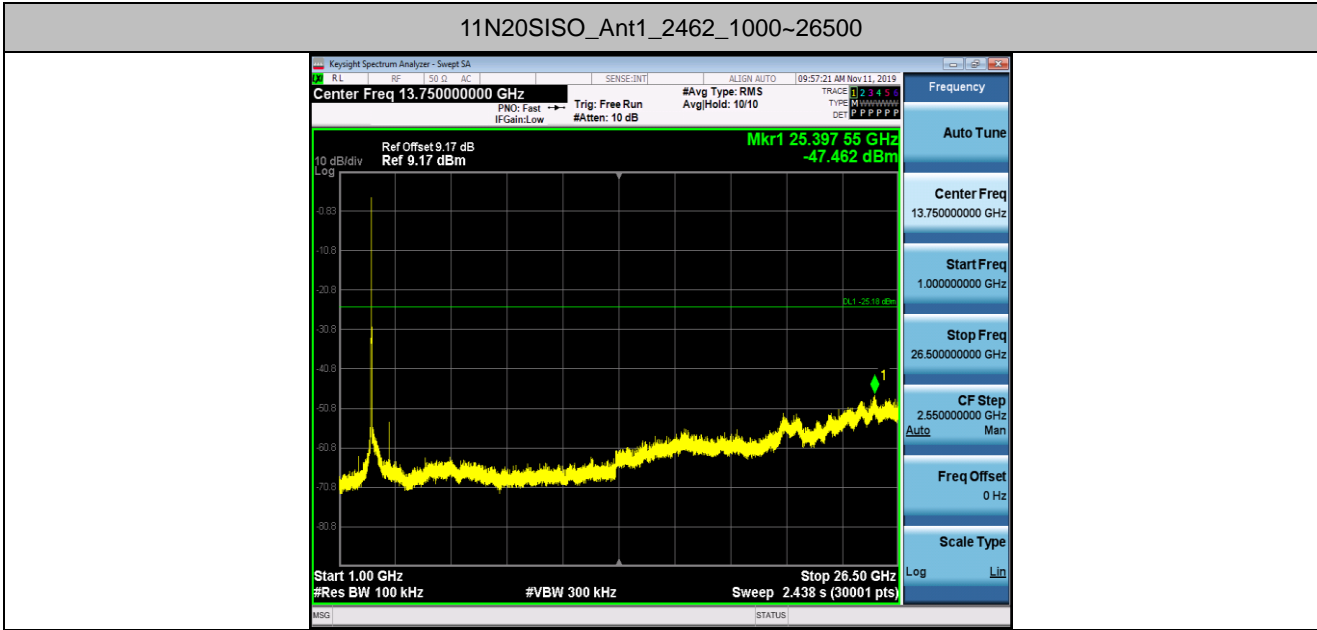


11N20SISO\_Ant1\_2462\_0~Reference



11N20SISO\_Ant1\_2462\_30~1000



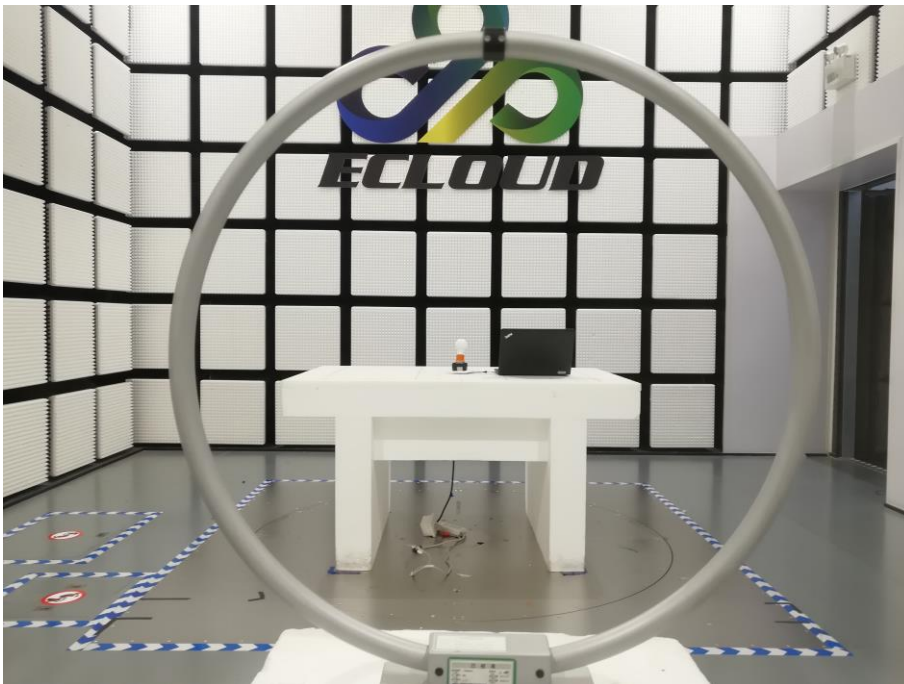


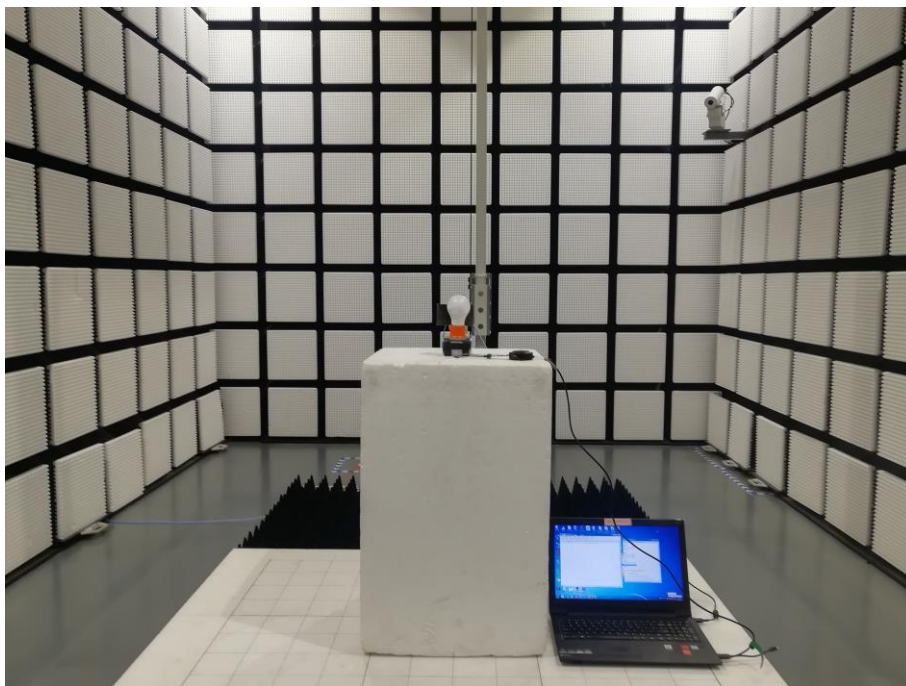
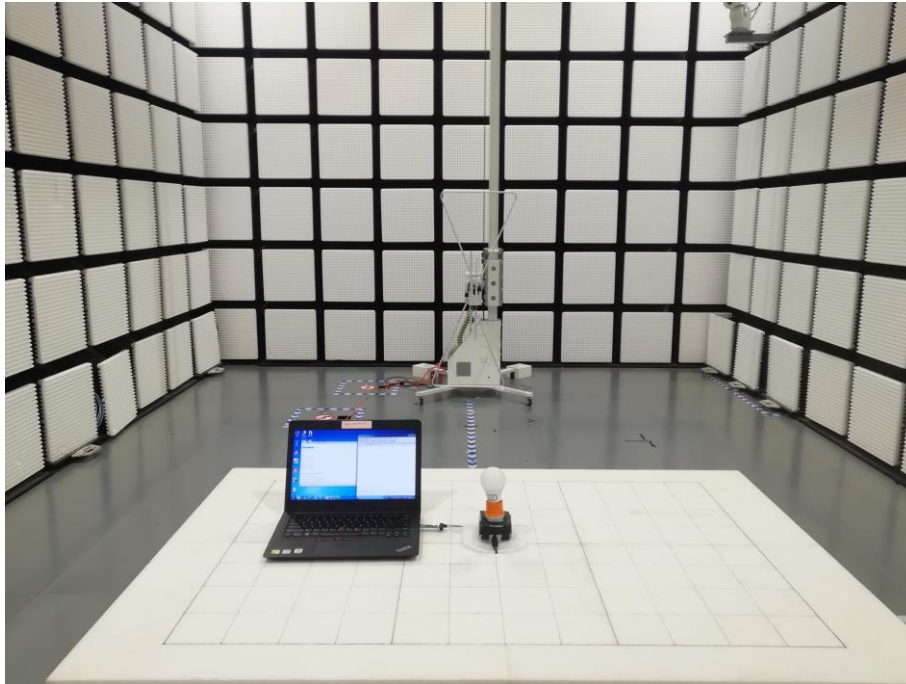
## Appendix H: Setup Photographs

AC Conducted Emission:



Radiated Emission:





-----End of the report-----