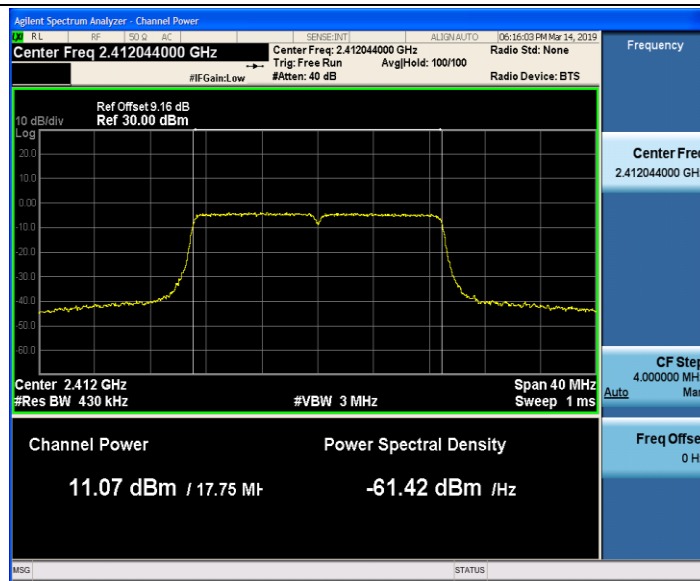
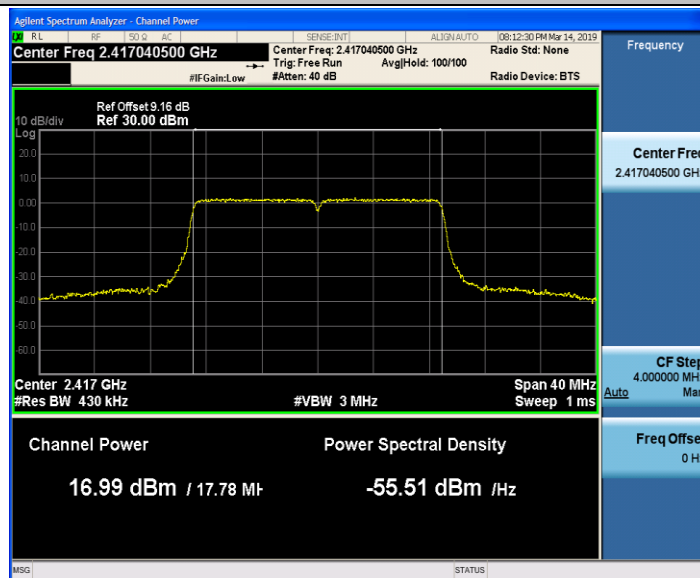
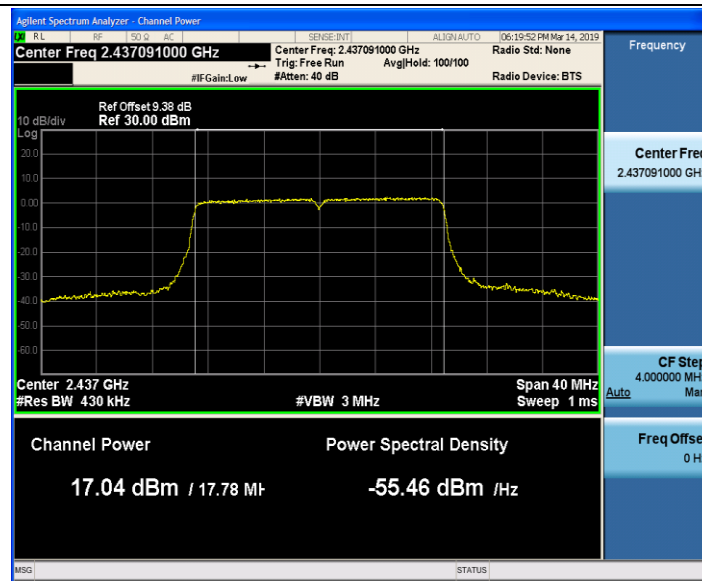




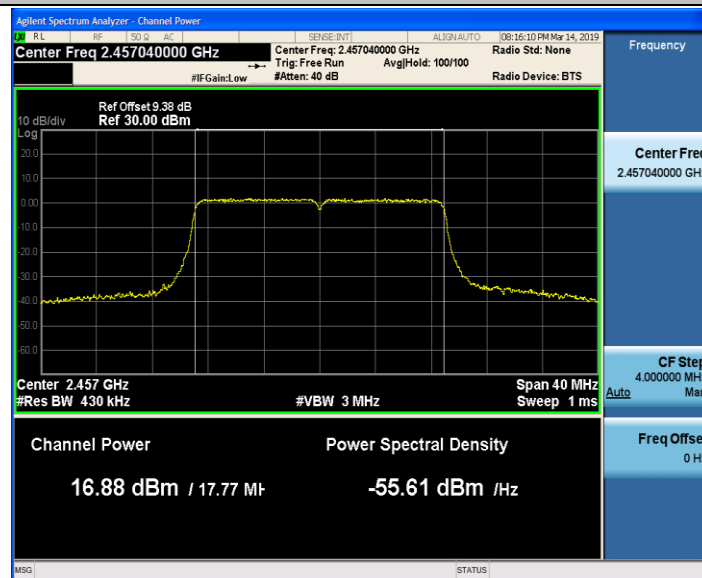
11N20SISO\_Ant1\_2417



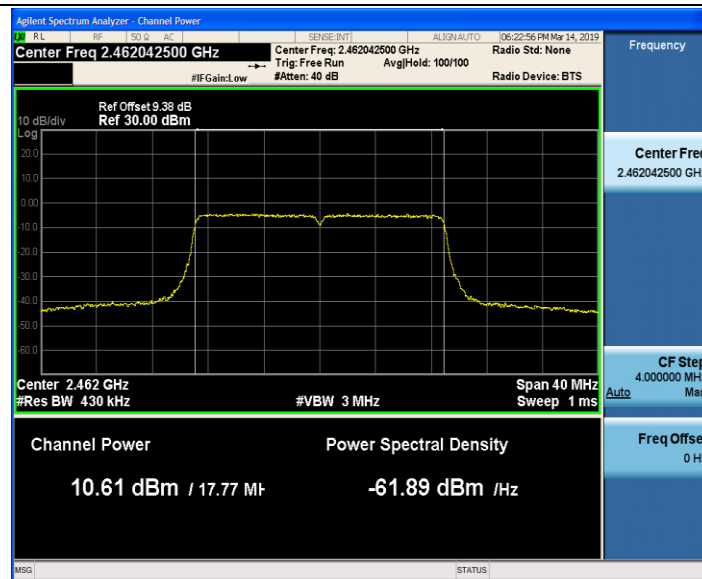
11N20SISO\_Ant1\_2437



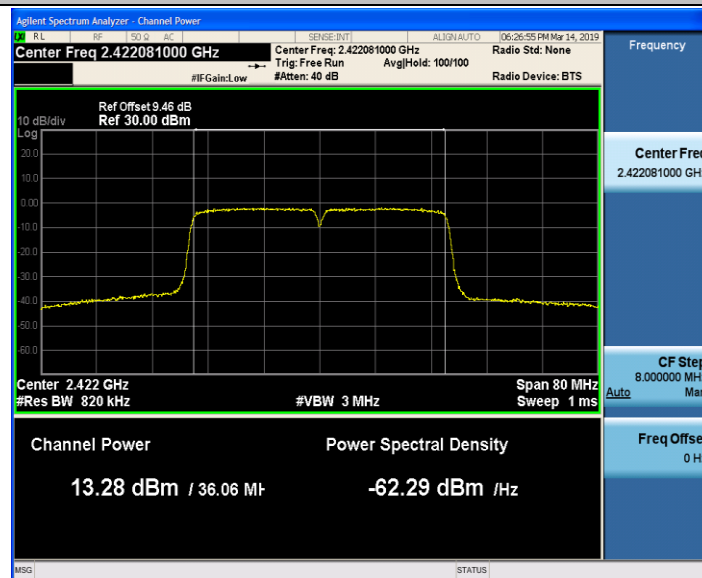
11N20SISO\_Ant1\_2457



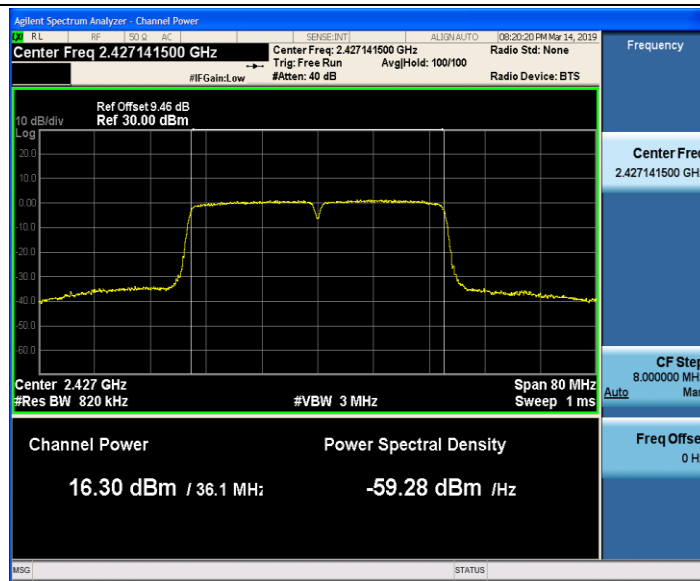
11N20SISO\_Ant1\_2462



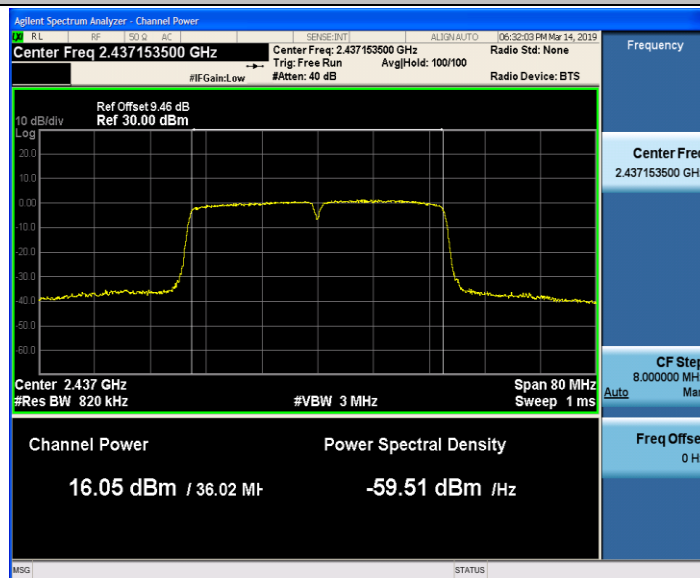
11N40SISO\_Ant1\_2422



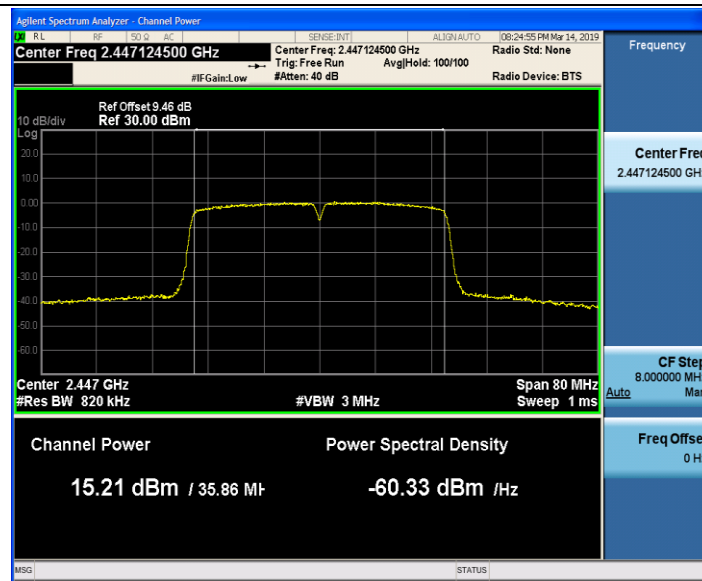
11N40SISO\_Ant1\_2427



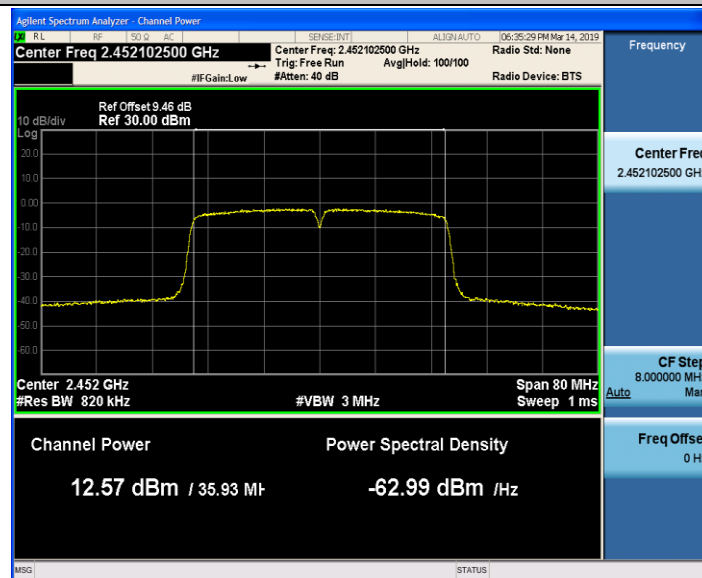
11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2447



## 11N40SISO\_Ant1\_2452



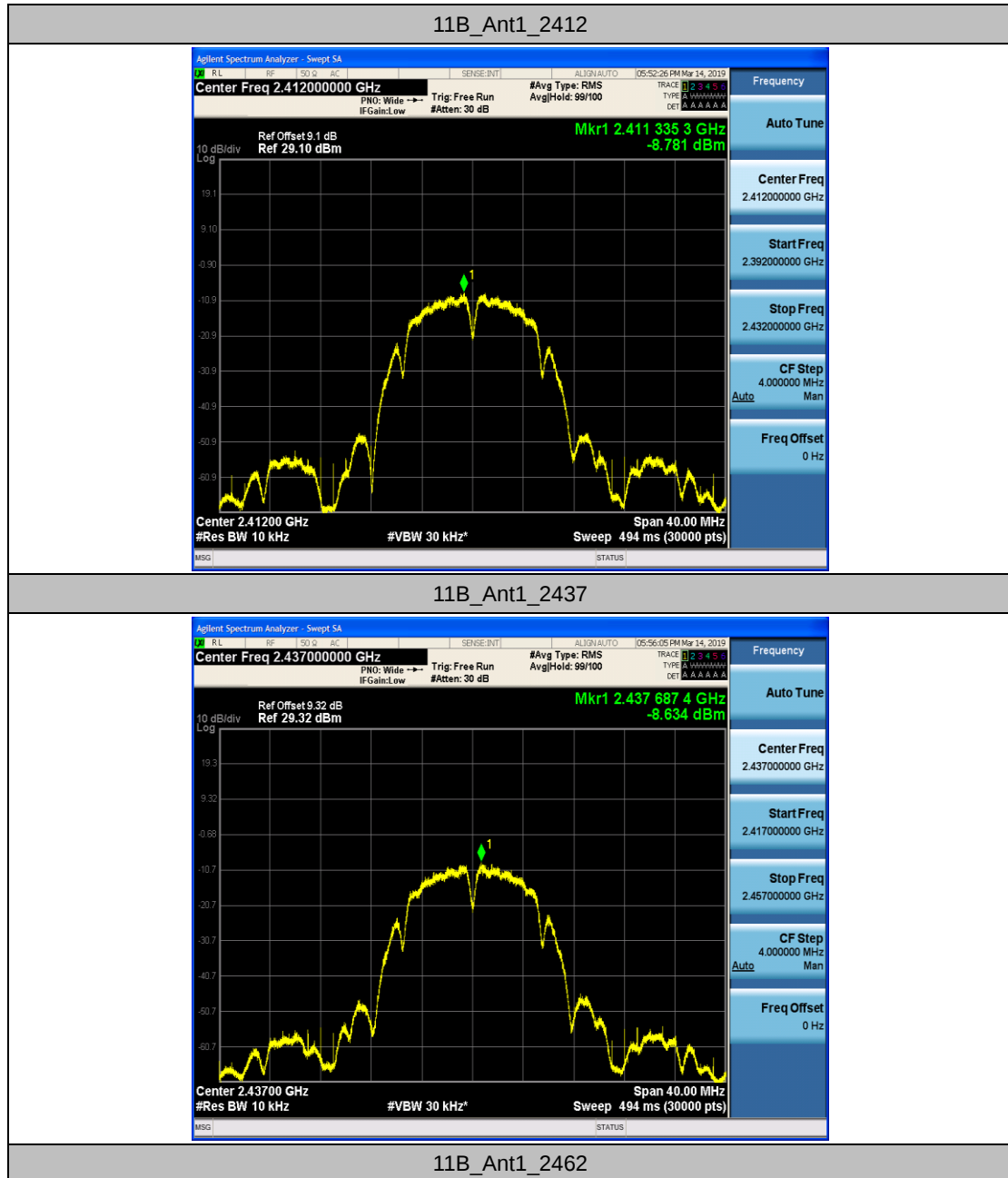
## Appendix E: Maximum power spectral density

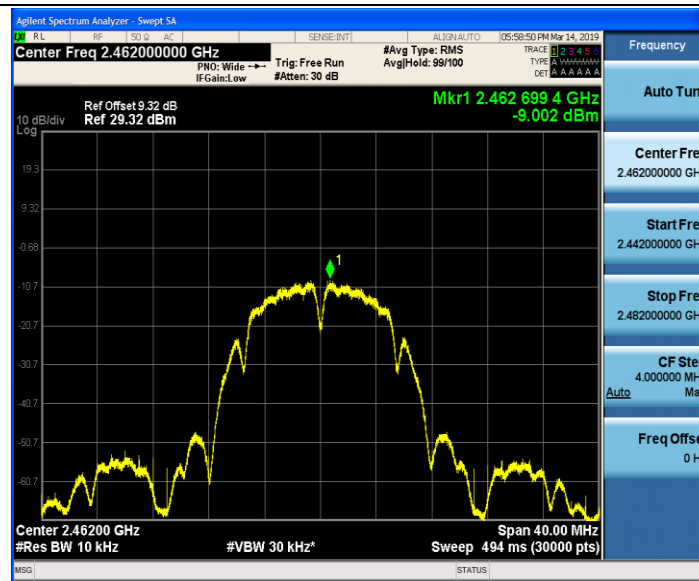
### Test Result

| TestMode  | Antenna | Channel | Result[dBm/10kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|---------|-------------------|-----------------|---------|
| 11B       | Ant1    | 2412    | -8.74             | 8               | PASS    |
|           |         | 2437    | -8.62             | 8               | PASS    |
|           |         | 2462    | -8.98             | 8               | PASS    |
| 11G       | Ant1    | 2412    | -16.49            | 8               | PASS    |
|           |         | 2417    | -11.46            | 8               | PASS    |
|           |         | 2437    | -11.51            | 8               | PASS    |
|           |         | 2457    | -11.46            | 8               | PASS    |
|           |         | 2462    | -16.38            | 8               | PASS    |
| 11N20SISO | Ant1    | 2412    | -18.45            | 8               | PASS    |
|           |         | 2417    | -12.33            | 8               | PASS    |
|           |         | 2437    | -12.17            | 8               | PASS    |
|           |         | 2457    | -12.34            | 8               | PASS    |
|           |         | 2462    | -18.83            | 8               | PASS    |
| 11N40SISO | Ant1    | 2422    | -18.82            | 8               | PASS    |
|           |         | 2427    | -15.44            | 8               | PASS    |
|           |         | 2437    | -15.33            | 8               | PASS    |
|           |         | 2447    | -16.47            | 8               | PASS    |
|           |         | 2452    | -18.98            | 8               | PASS    |

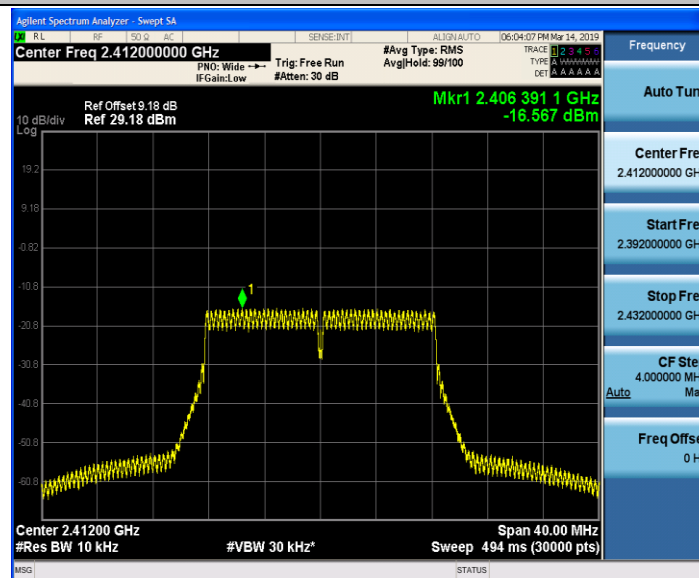


## Test Graphs

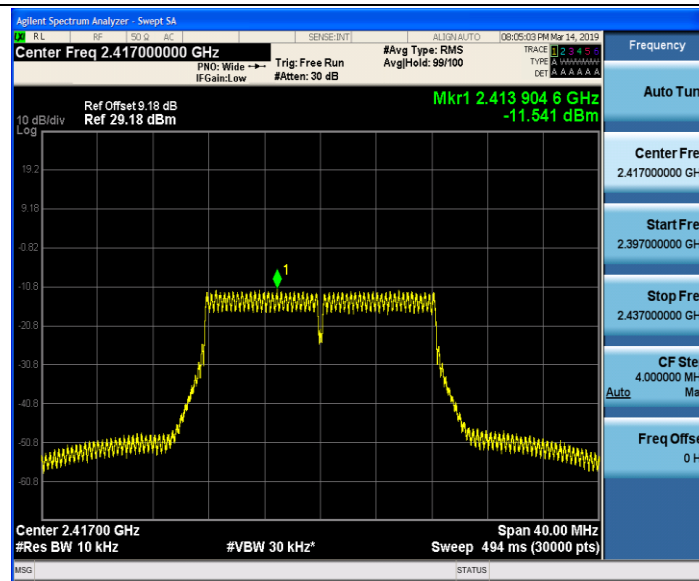




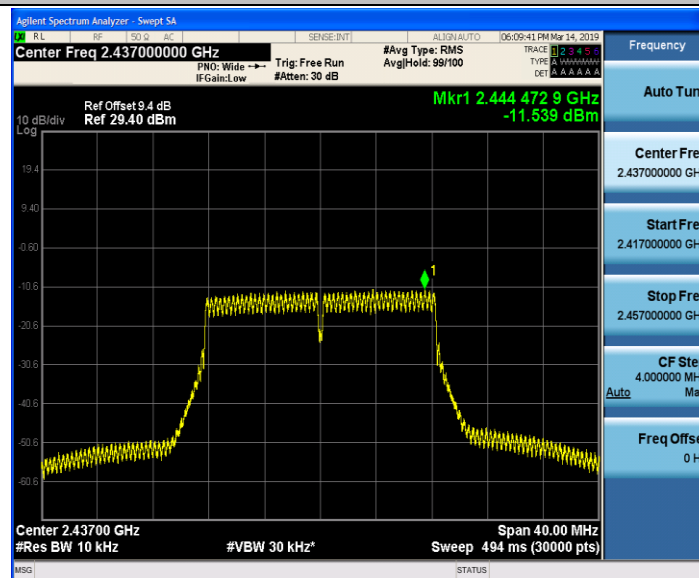
11G\_Ant1\_2412



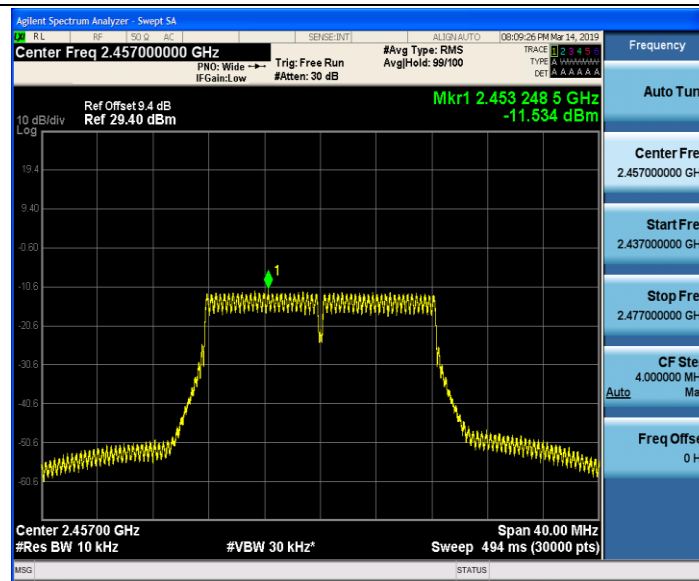
11G\_Ant1\_2417



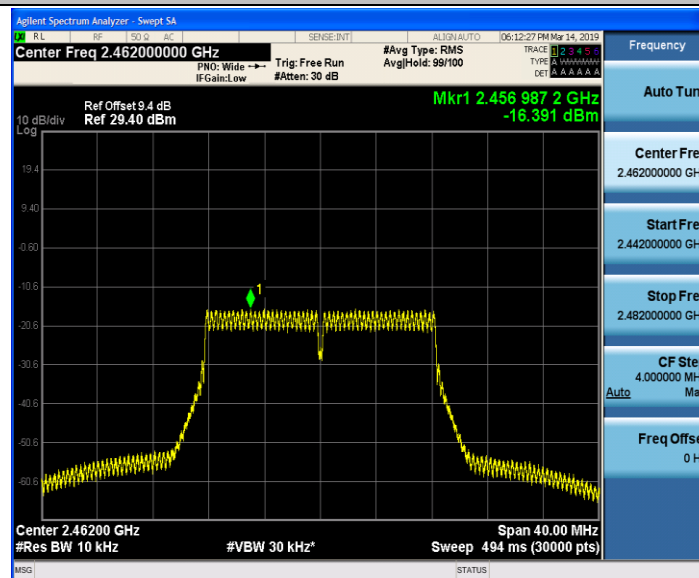
11G\_Ant1\_2437



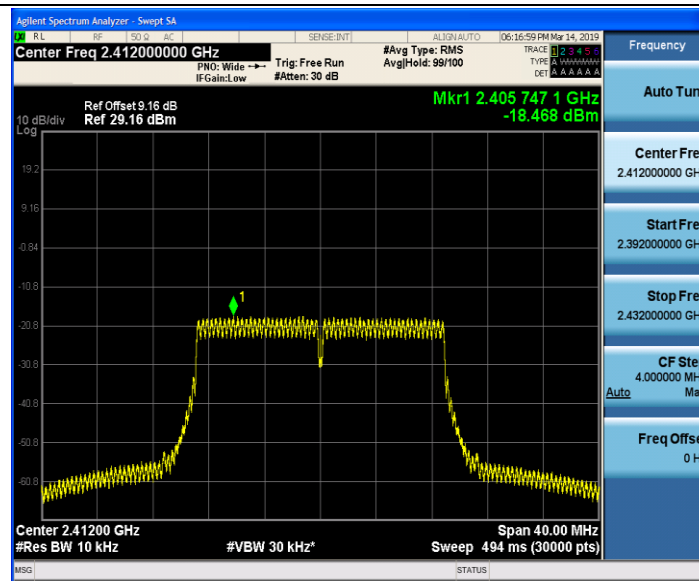
11G\_Ant1\_2457



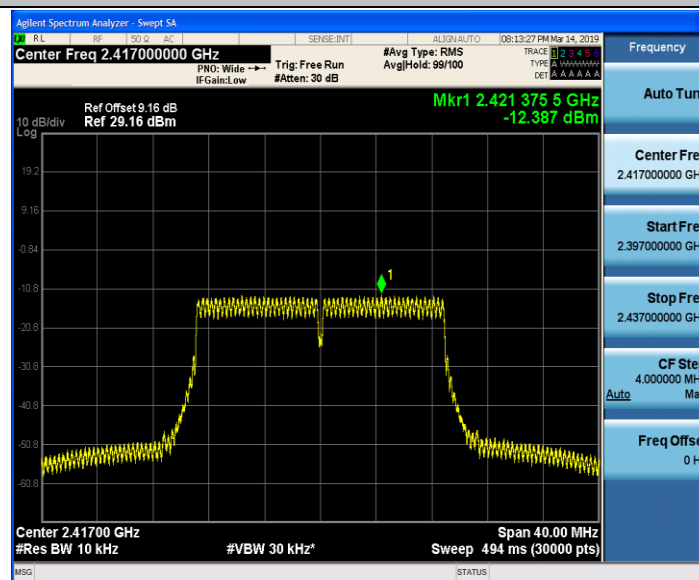
11G\_Ant1\_2462



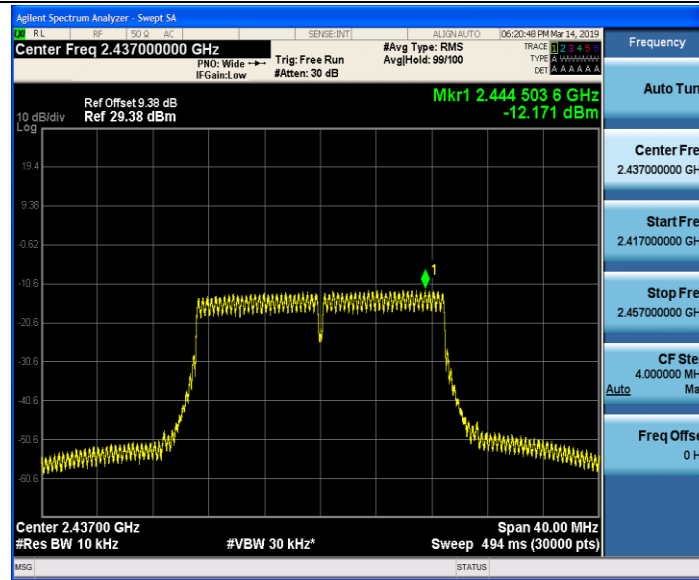
11N20SISO\_Ant1\_2412



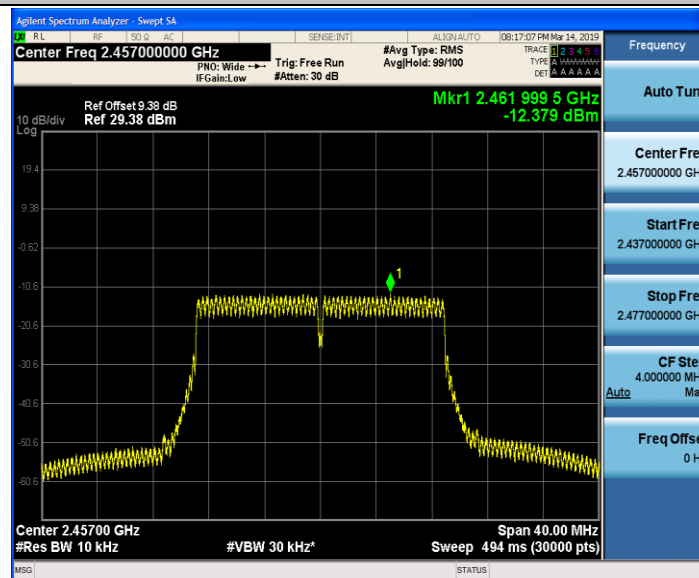
11N20SISO\_Ant1\_2417



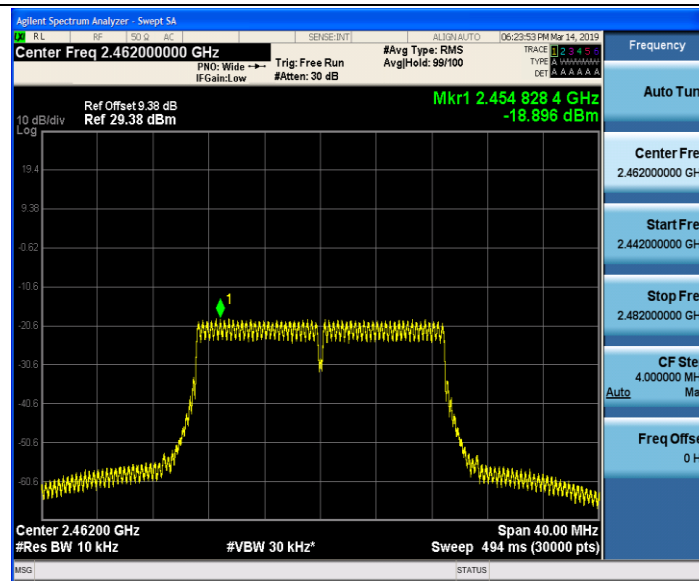
11N20SISO\_Ant1\_2437



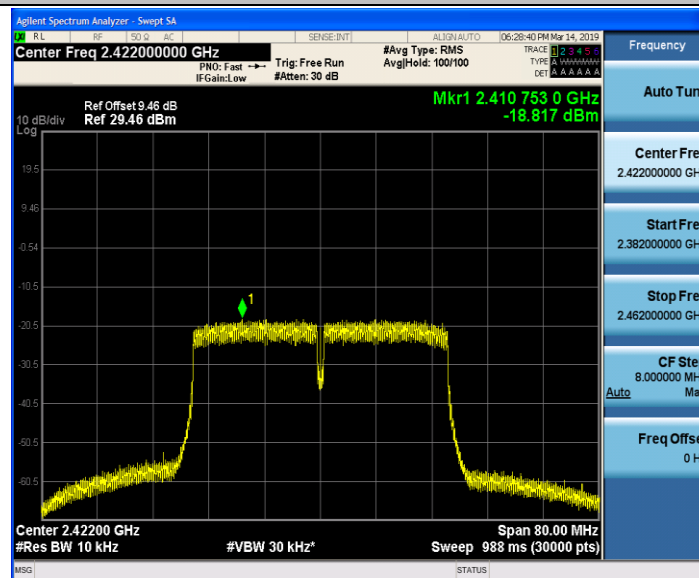
11N20SISO\_Ant1\_2457



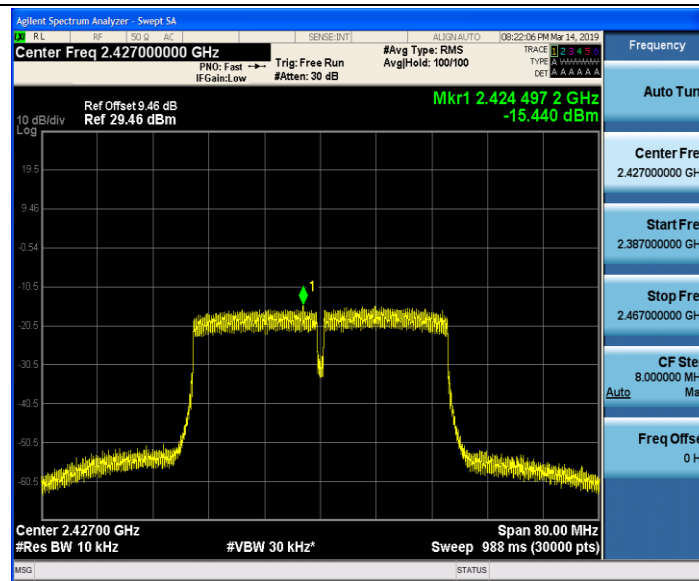
11N20SISO\_Ant1\_2462



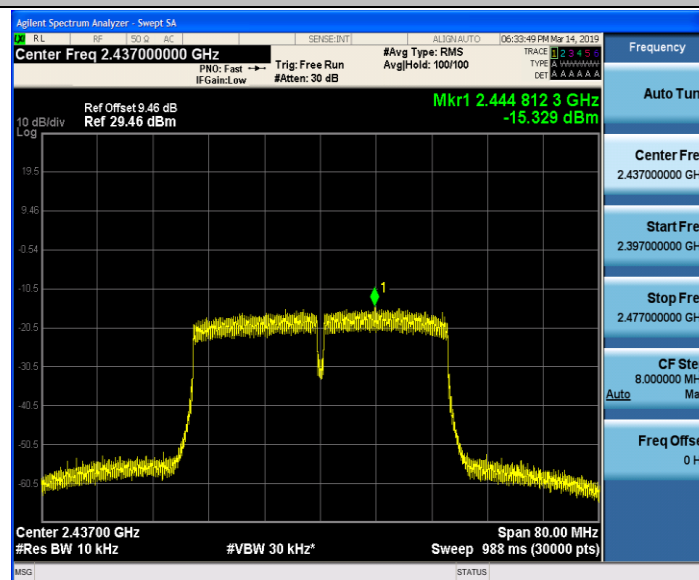
11N40SISO\_Ant1\_2422



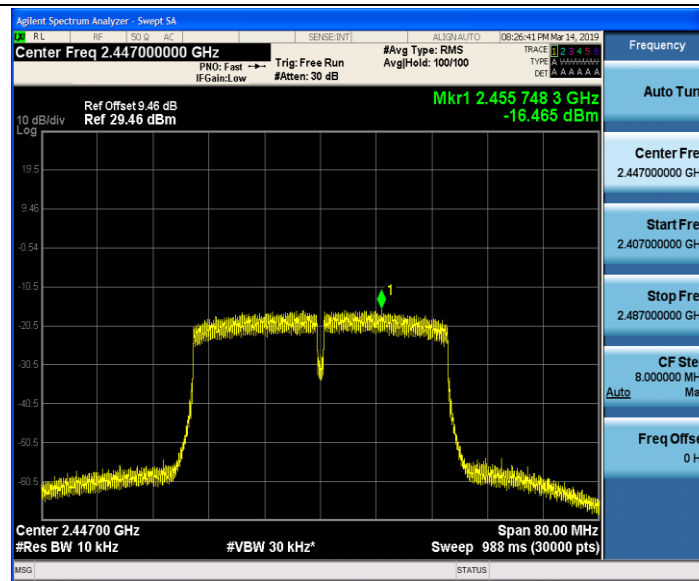
11N40SISO\_Ant1\_2427



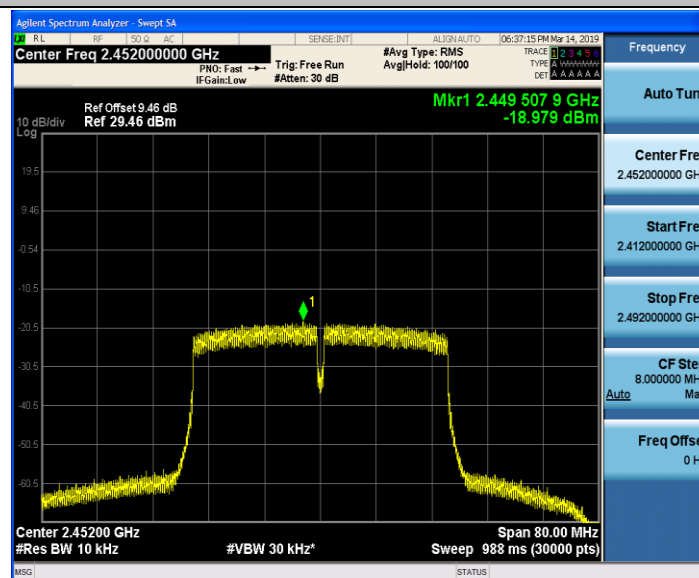
11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2447



11N40SISO\_Ant1\_2452



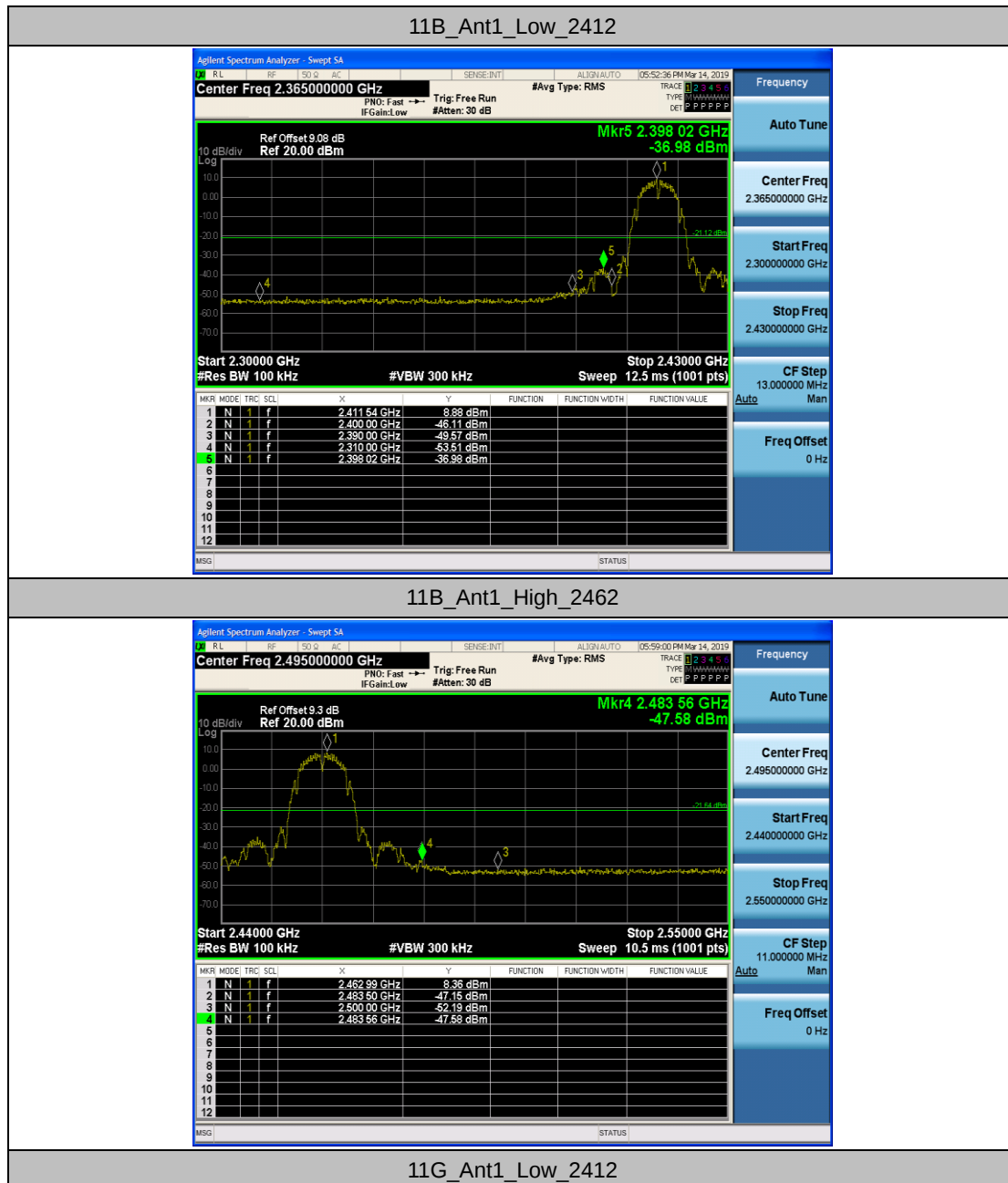
## Appendix F: Band edge measurements

### Test Result

| TestMode  | Antenna | ChName | Channel | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|---------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low    | 2412    | 8.88          | -36.98      | -21.12     | PASS    |
|           |         | High   | 2462    | 8.36          | -47.58      | -21.64     | PASS    |
| 11G       | Ant1    | Low    | 2412    | 1.68          | -34.46      | -28.32     | PASS    |
|           |         |        | 2417    | 5.71          | -30.83      | -24.29     | PASS    |
|           |         | High   | 2457    | 5.97          | -45.88      | -24.03     | PASS    |
|           |         |        | 2462    | 1.61          | -46.33      | -28.39     | PASS    |
| 11N20SISO | Ant1    | Low    | 2412    | -0.40         | -36.91      | -30.4      | PASS    |
|           |         |        | 2417    | 5.46          | -31.56      | -24.54     | PASS    |
|           |         | High   | 2457    | 5.42          | -45.31      | -24.58     | PASS    |
|           |         |        | 2462    | -0.66         | -46.76      | -30.66     | PASS    |
| 11N40SISO | Ant1    | Low    | 2422    | -0.91         | -35.98      | -30.91     | PASS    |
|           |         |        | 2427    | 1.83          | -29.22      | -28.17     | PASS    |
|           |         | High   | 2447    | 1.56          | -41.9       | -28.44     | PASS    |
|           |         |        | 2452    | -1.44         | -42.05      | -31.44     | PASS    |



## Test Graphs





11G\_Ant1\_Low\_2417



11G\_Ant1\_High\_2457



11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



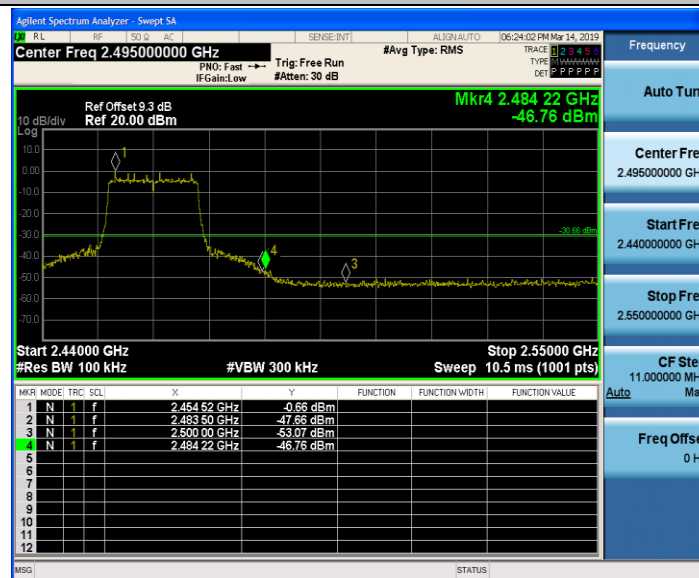
11N20SISO\_Ant1\_Low\_2417



11N20SISO\_Ant1\_High\_2457



11N20SISO\_Ant1\_High\_2462



11N40SISO\_Ant1\_Low\_2422



11N40SISO\_Ant1\_Low\_2427



11N40SISO\_Ant1\_High\_2447



## 11N40SISO\_Ant1\_High\_2452





## Appendix G: Conducted Spurious Emission

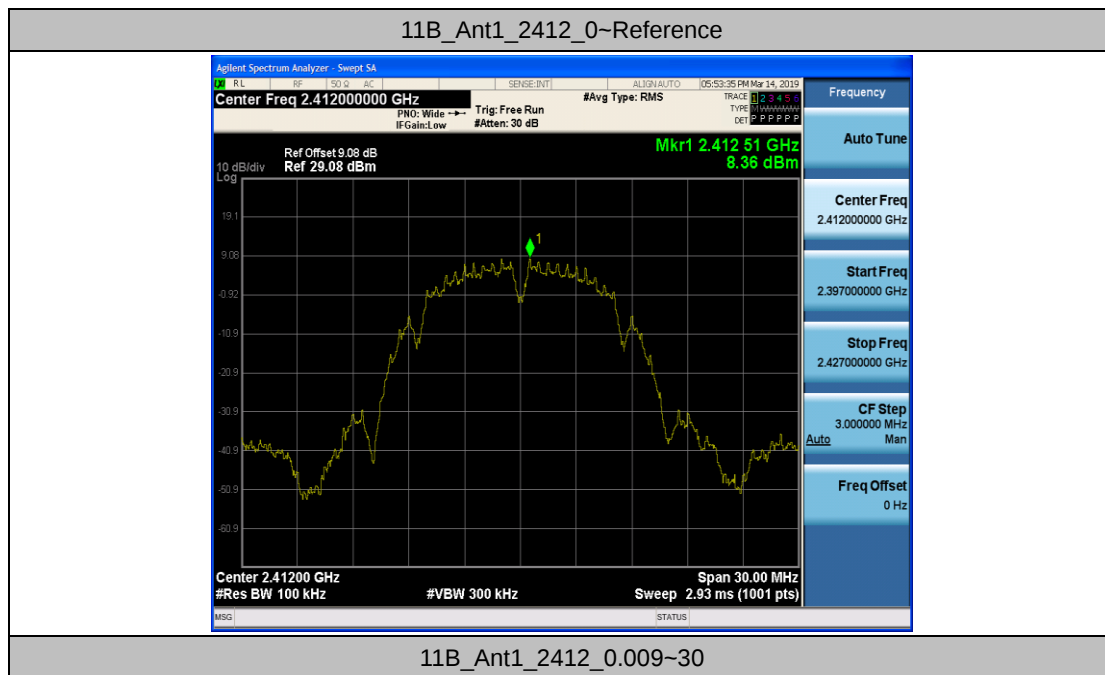
### Test Result

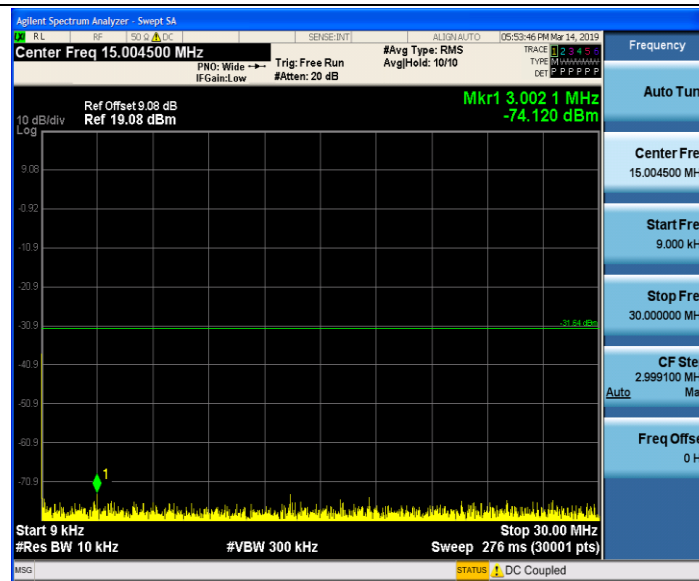
| TestMode | Antenna | Channel | FreqRange      | RefLevel       | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|----------------|----------------|-------------|------------|---------|
| 11B      | Ant1    | 2412    | Reference      | 8.36           | 8.36        | ---        | PASS    |
|          |         |         | 0.009~30       | 0.009~30       | -74.12      | -31.64     | PASS    |
|          |         |         | 30~1000        | 30~1000        | -62.18      | -21.64     | PASS    |
|          |         |         | 1000~2650<br>0 | 1000~2650<br>0 | -36.67      | -21.64     | PASS    |
|          |         | 2437    | Reference      | 8.52           | 8.52        | ---        | PASS    |
|          |         |         | 0.009~30       | 0.009~30       | -74.74      | -31.48     | PASS    |
|          |         |         | 30~1000        | 30~1000        | -62.74      | -21.48     | PASS    |
|          |         |         | 1000~2650<br>0 | 1000~2650<br>0 | -36.31      | -21.48     | PASS    |
|          |         | 2462    | Reference      | 7.81           | 7.81        | ---        | PASS    |
|          |         |         | 0.009~30       | 0.009~30       | -74.19      | -32.19     | PASS    |
|          |         |         | 30~1000        | 30~1000        | -62.83      | -22.19     | PASS    |
|          |         |         | 1000~2650<br>0 | 1000~2650<br>0 | -36.32      | -22.19     | PASS    |
| 11G      | Ant1    | 2412    | Reference      | 1.44           | 1.44        | ---        | PASS    |
|          |         |         | 0.009~30       | 0.009~30       | -75.25      | -38.56     | PASS    |
|          |         |         | 30~1000        | 30~1000        | -62.55      | -28.56     | PASS    |
|          |         |         | 1000~2650<br>0 | 1000~2650<br>0 | -37.44      | -28.56     | PASS    |
|          |         | 2417    | Reference      | 5.97           | 5.97        | ---        | PASS    |
|          |         |         | 0.009~30       | 0.009~30       | -74.85      | -34.03     | PASS    |
|          |         |         | 30~1000        | 30~1000        | -63.38      | -24.03     | PASS    |
|          |         |         | 1000~2650<br>0 | 1000~2650<br>0 | -37.44      | -24.03     | PASS    |
|          |         | 2437    | Reference      | 5.83           | 5.83        | ---        | PASS    |
|          |         |         | 0.009~30       | 0.009~30       | -73.58      | -34.17     | PASS    |
|          |         |         | 30~1000        | 30~1000        | -62.91      | -24.17     | PASS    |
|          |         |         | 1000~2650<br>0 | 1000~2650<br>0 | -36.83      | -24.17     | PASS    |
|          |         | 2457    | Reference      | 6.00           | 6.00        | ---        | PASS    |
|          |         |         | 0.009~30       | 0.009~30       | -74.69      | -34        | PASS    |
|          |         |         | 30~1000        | 30~1000        | -62.71      | -24        | PASS    |
|          |         |         | 1000~2650      | 1000~2650      | -36.62      | -24        | PASS    |

|               |      |      |                |                |        |        |      |
|---------------|------|------|----------------|----------------|--------|--------|------|
|               |      |      | 0              | 0              |        |        |      |
|               |      | 2462 | Reference      | 1.64           | 1.64   | ---    | PASS |
|               |      |      | 0.009~30       | 0.009~30       | -74.54 | -38.36 | PASS |
|               |      |      | 30~1000        | 30~1000        | -62.74 | -28.36 | PASS |
|               |      |      | 1000~2650<br>0 | 1000~2650<br>0 | -37.05 | -28.36 | PASS |
| 11N20SIS<br>O | Ant1 | 2412 | Reference      | -0.81          | -0.81  | ---    | PASS |
|               |      |      | 0.009~30       | 0.009~30       | -75.25 | -40.81 | PASS |
|               |      |      | 30~1000        | 30~1000        | -63.14 | -30.81 | PASS |
|               |      |      | 1000~2650<br>0 | 1000~2650<br>0 | -37.13 | -30.81 | PASS |
|               |      | 2417 | Reference      | 5.50           | 5.50   | ---    | PASS |
|               |      |      | 0.009~30       | 0.009~30       | -74.52 | -34.5  | PASS |
|               |      |      | 30~1000        | 30~1000        | -62.75 | -24.5  | PASS |
|               |      |      | 1000~2650<br>0 | 1000~2650<br>0 | -36.55 | -24.5  | PASS |
|               |      | 2437 | Reference      | 5.84           | 5.84   | ---    | PASS |
|               |      |      | 0.009~30       | 0.009~30       | -74.57 | -34.16 | PASS |
|               |      |      | 30~1000        | 30~1000        | -63.17 | -24.16 | PASS |
|               |      |      | 1000~2650<br>0 | 1000~2650<br>0 | -36.78 | -24.16 | PASS |
|               |      | 2457 | Reference      | 4.82           | 4.82   | ---    | PASS |
|               |      |      | 0.009~30       | 0.009~30       | -74.35 | -35.18 | PASS |
|               |      |      | 30~1000        | 30~1000        | -62.1  | -25.18 | PASS |
|               |      |      | 1000~2650<br>0 | 1000~2650<br>0 | -36.89 | -25.18 | PASS |
|               |      | 2462 | Reference      | -0.75          | -0.75  | ---    | PASS |
|               |      |      | 0.009~30       | 0.009~30       | -74.14 | -40.75 | PASS |
|               |      |      | 30~1000        | 30~1000        | -62.34 | -30.75 | PASS |
|               |      |      | 1000~2650<br>0 | 1000~2650<br>0 | -35.84 | -30.75 | PASS |
| 11N40SIS<br>O | Ant1 | 2422 | Reference      | -1.17          | -1.17  | ---    | PASS |
|               |      |      | 0.009~30       | 0.009~30       | -73.03 | -41.17 | PASS |
|               |      |      | 30~1000        | 30~1000        | -62.36 | -31.17 | PASS |
|               |      |      | 1000~2650<br>0 | 1000~2650<br>0 | -36.86 | -31.17 | PASS |
|               |      | 2427 | Reference      | 2.41           | 2.41   | ---    | PASS |
|               |      |      | 0.009~30       | 0.009~30       | -74.6  | -37.59 | PASS |
|               |      |      | 30~1000        | 30~1000        | -62.8  | -27.59 | PASS |

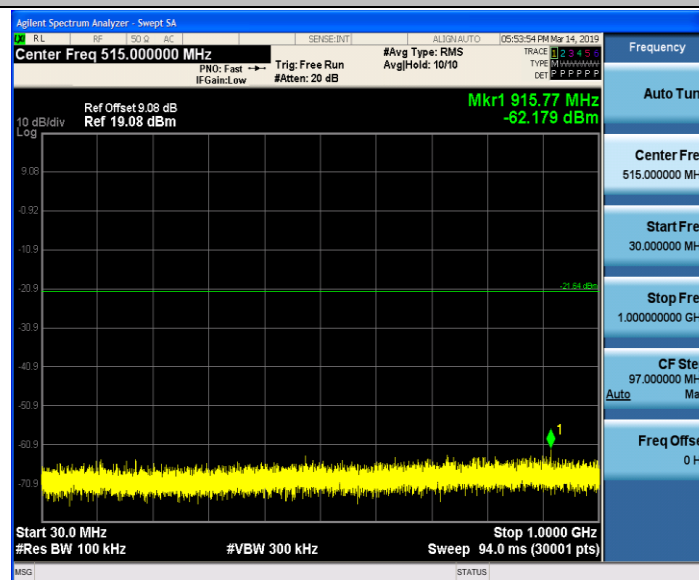
|  |  |      |                |                |        |        |      |
|--|--|------|----------------|----------------|--------|--------|------|
|  |  |      | 1000~2650<br>0 | 1000~2650<br>0 | -36.75 | -27.59 | PASS |
|  |  | 2437 | Reference      | 2.54           | 2.54   | ---    | PASS |
|  |  |      | 0.009~30       | 0.009~30       | -73.85 | -37.46 | PASS |
|  |  |      | 30~1000        | 30~1000        | -63.1  | -27.46 | PASS |
|  |  |      | 1000~2650<br>0 | 1000~2650<br>0 | -37.27 | -27.46 | PASS |
|  |  | 2447 | Reference      | 1.47           | 1.47   | ---    | PASS |
|  |  |      | 0.009~30       | 0.009~30       | -74.53 | -38.53 | PASS |
|  |  |      | 30~1000        | 30~1000        | -62.51 | -28.53 | PASS |
|  |  |      | 1000~2650<br>0 | 1000~2650<br>0 | -37.13 | -28.53 | PASS |
|  |  | 2452 | Reference      | -1.60          | -1.60  | ---    | PASS |
|  |  |      | 0.009~30       | 0.009~30       | -74.73 | -41.6  | PASS |
|  |  |      | 30~1000        | 30~1000        | -62.49 | -31.6  | PASS |
|  |  |      | 1000~2650<br>0 | 1000~2650<br>0 | -36.76 | -31.6  | PASS |

## Test Graphs

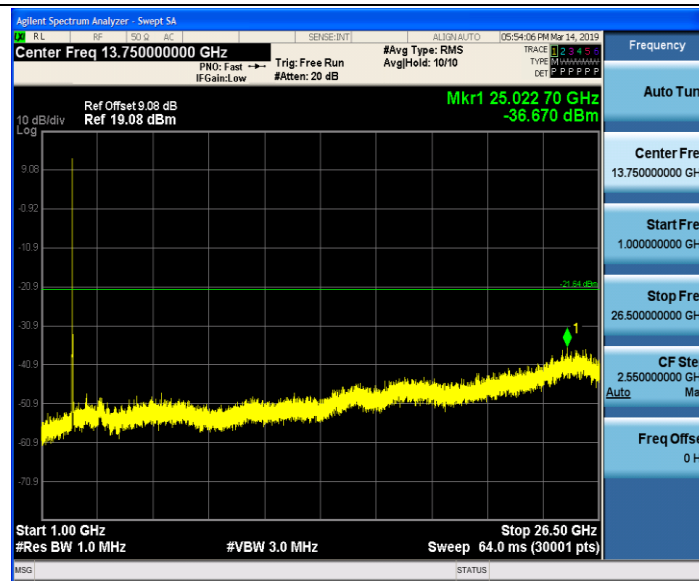




11B\_Ant1\_2412\_30~1000



11B\_Ant1\_2412\_1000~26500



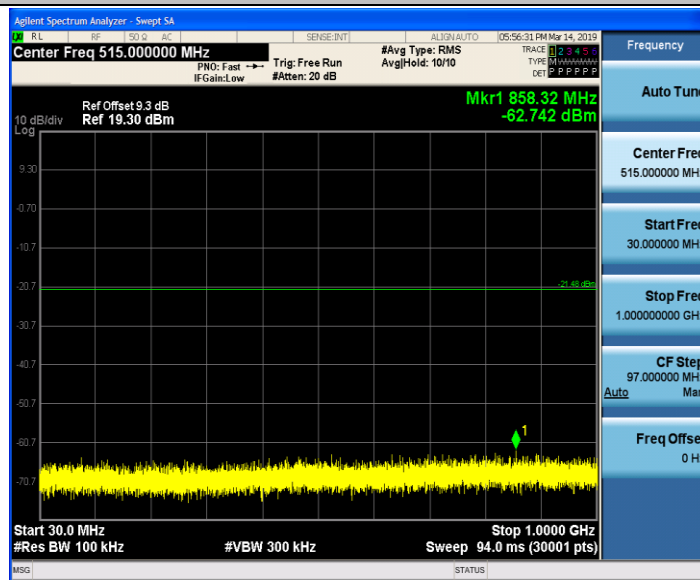
11B\_Ant1\_2437\_0~Reference



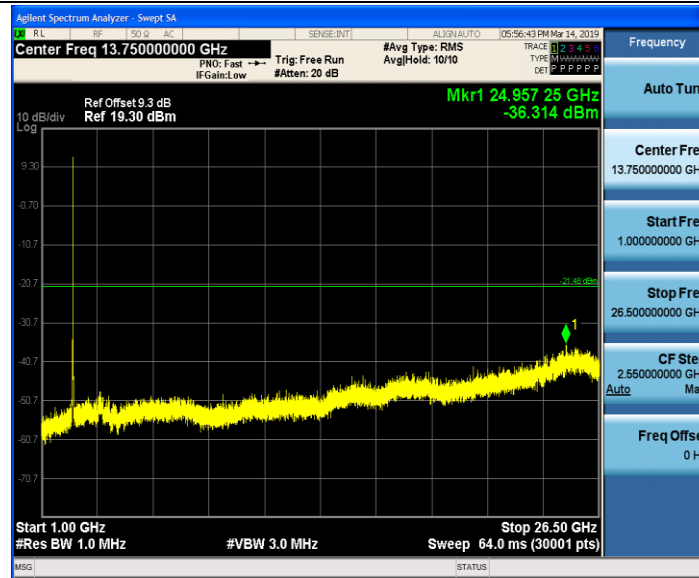
11B\_Ant1\_2437\_0.009~30



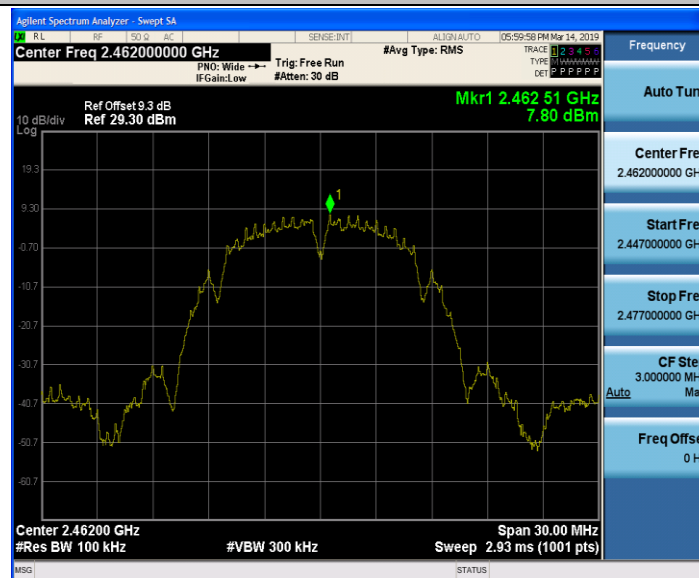
11B\_Ant1\_2437\_30~1000



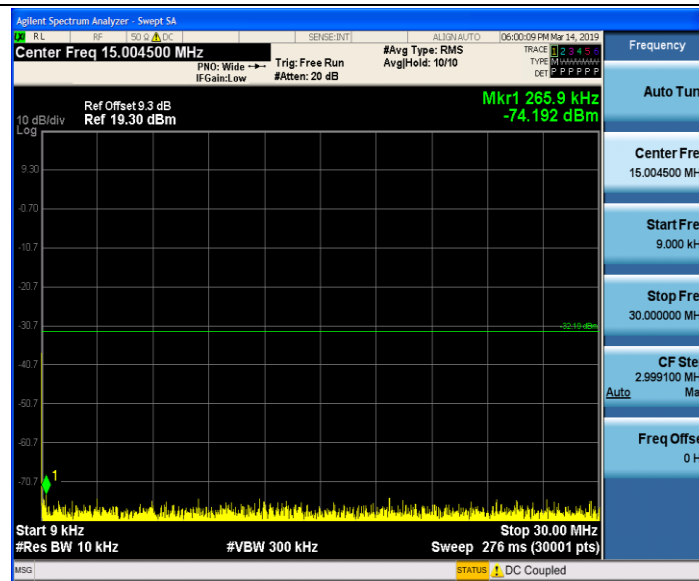
11B\_Ant1\_2437\_1000~26500



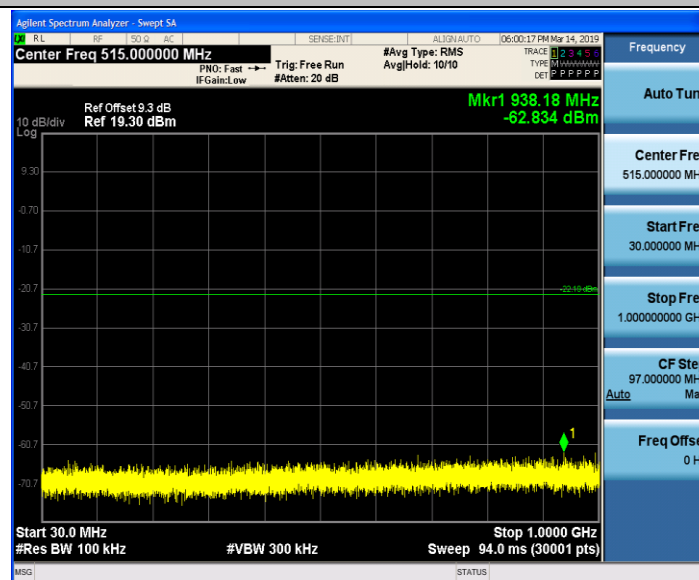
11B\_Ant1\_2462\_0~Reference



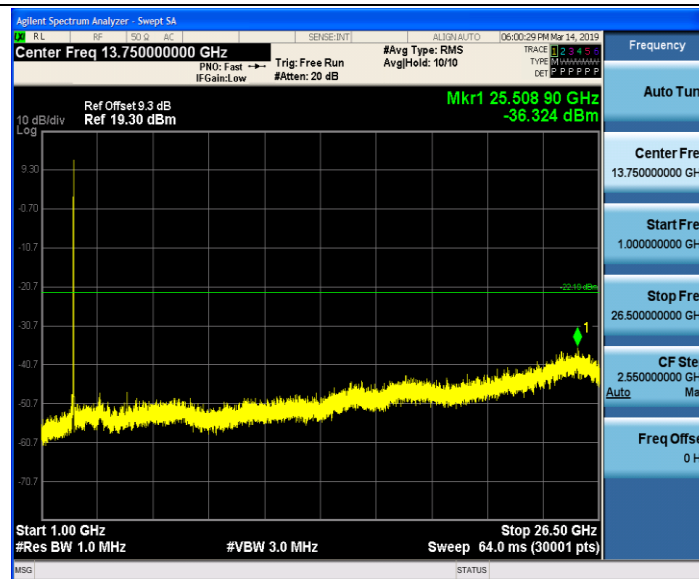
11B\_Ant1\_2462\_0.009~30



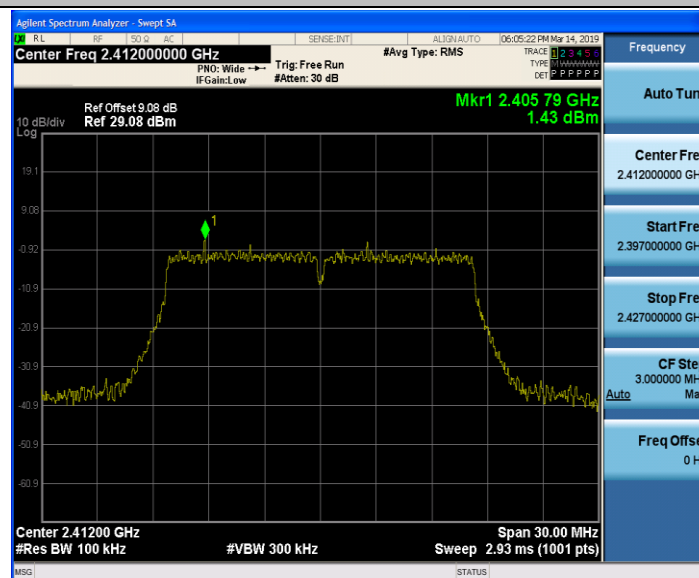
11B\_Ant1\_2462\_30~1000



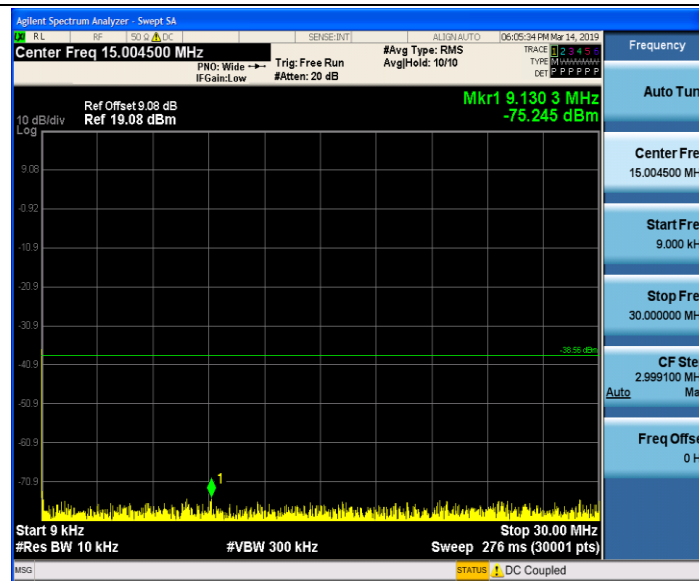
11B\_Ant1\_2462\_1000~26500



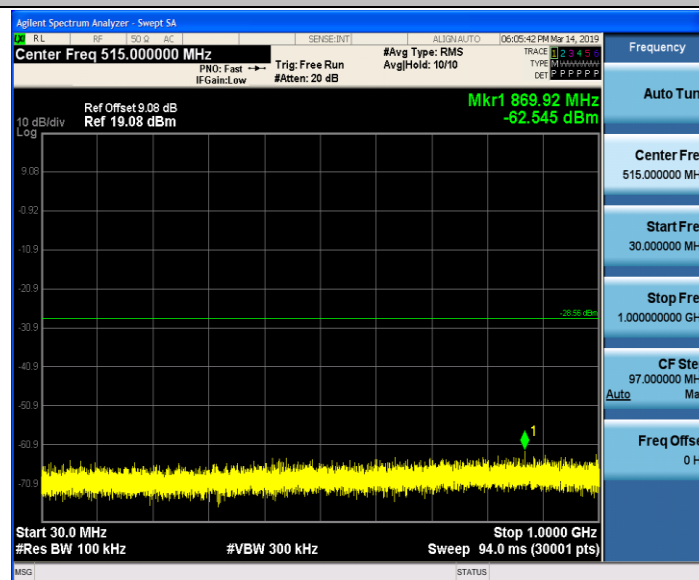
11G\_Ant1\_2412\_0~Reference



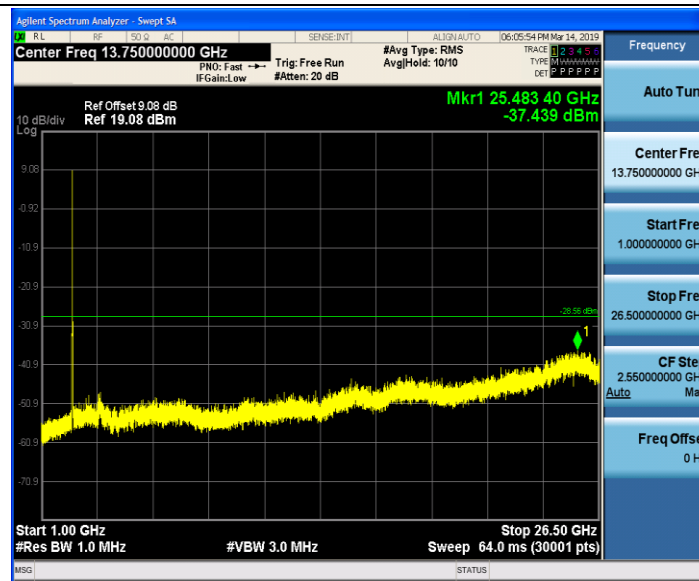
11G\_Ant1\_2412\_0.009~30



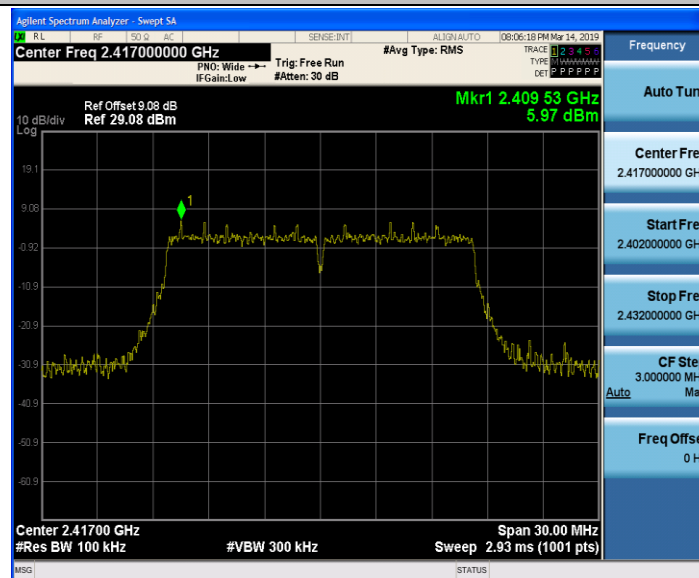
11G\_Ant1\_2412\_30~1000



11G\_Ant1\_2412\_1000~26500



11G\_Ant1\_2417\_0~Reference



11G\_Ant1\_2417\_0.009~30