

Appendix A for SHEM200700615601

1.20 dB Bandwidth

| Test Mode | Test Channel | EBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|----------|------------|---------|
| DH5 | 2402 | 0.94 | --- | PASS |
| DH5 | 2441 | 0.94 | --- | PASS |
| DH5 | 2480 | 0.95 | --- | PASS |
| 2DH5 | 2402 | 1.34 | --- | PASS |
| 2DH5 | 2441 | 1.35 | --- | PASS |
| 2DH5 | 2480 | 1.35 | --- | PASS |
| 3DH5 | 2402 | 1.31 | --- | PASS |
| 3DH5 | 2441 | 1.31 | --- | PASS |
| 3DH5 | 2480 | 1.31 | --- | PASS |

20 dB Bandwidth_DH5_2402



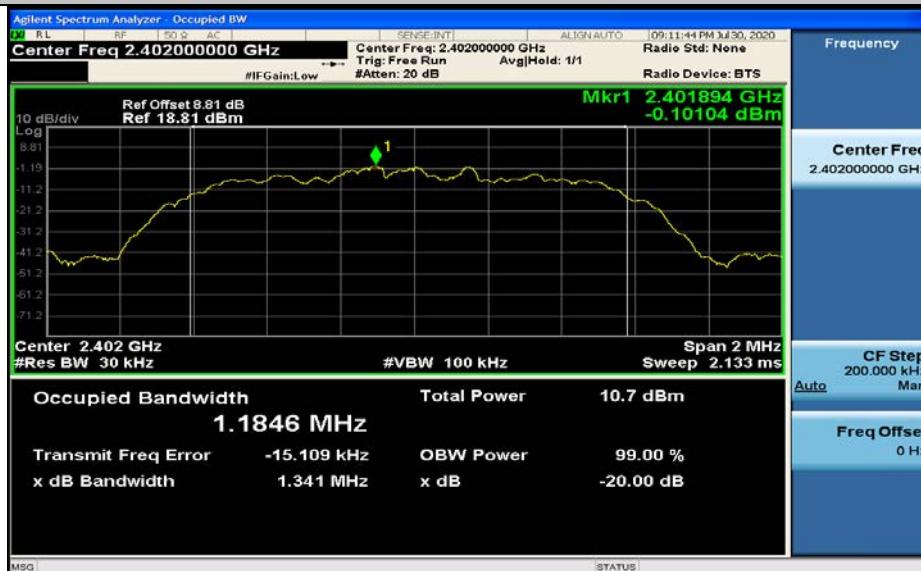
20 dB Bandwidth_DH5_2441



20 dB Bandwidth_DH5_2480



20 dB Bandwidth_2DH5_2402



20 dB Bandwidth_2DH5_2441



20 dB Bandwidth_2DH5_2480



20 dB Bandwidth_3DH5_2402



20 dB Bandwidth_3DH5_2441



20 dB Bandwidth_3DH5_2480



2.Occupied Bandwidth

| Test Mode | Test Channel | OBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|----------|------------|---------|
| DH5 | 2402 | 0.89 | --- | PASS |
| DH5 | 2441 | 0.89 | --- | PASS |
| DH5 | 2480 | 0.89 | --- | PASS |
| 2DH5 | 2402 | 1.19 | --- | PASS |
| 2DH5 | 2441 | 1.18 | --- | PASS |
| 2DH5 | 2480 | 1.18 | --- | PASS |
| 3DH5 | 2402 | 1.19 | --- | PASS |
| 3DH5 | 2441 | 1.19 | --- | PASS |
| 3DH5 | 2480 | 1.19 | --- | PASS |

Occupied Bandwidth_DH5_2402



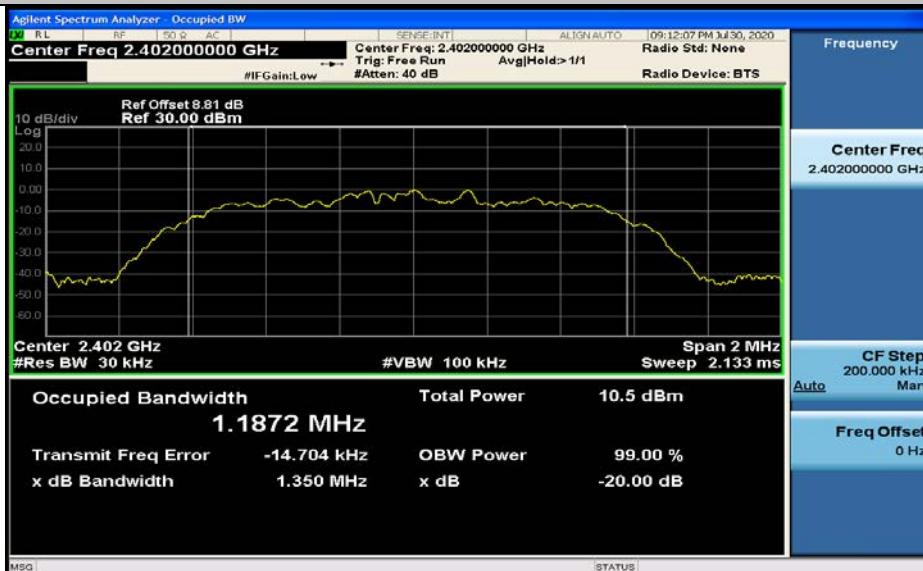
Occupied Bandwidth_DH5_2441



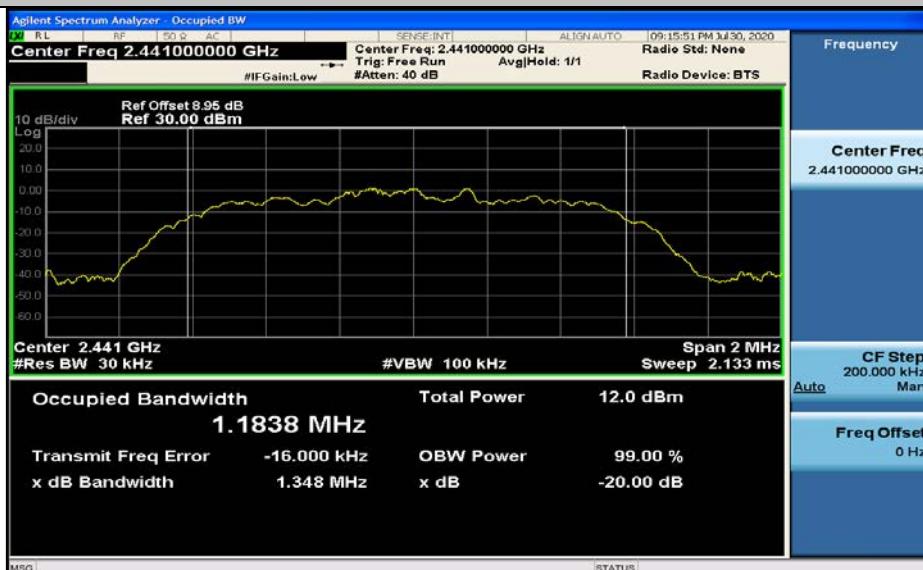
Occupied Bandwidth_DH5_2480



Occupied Bandwidth_2DH5_2402



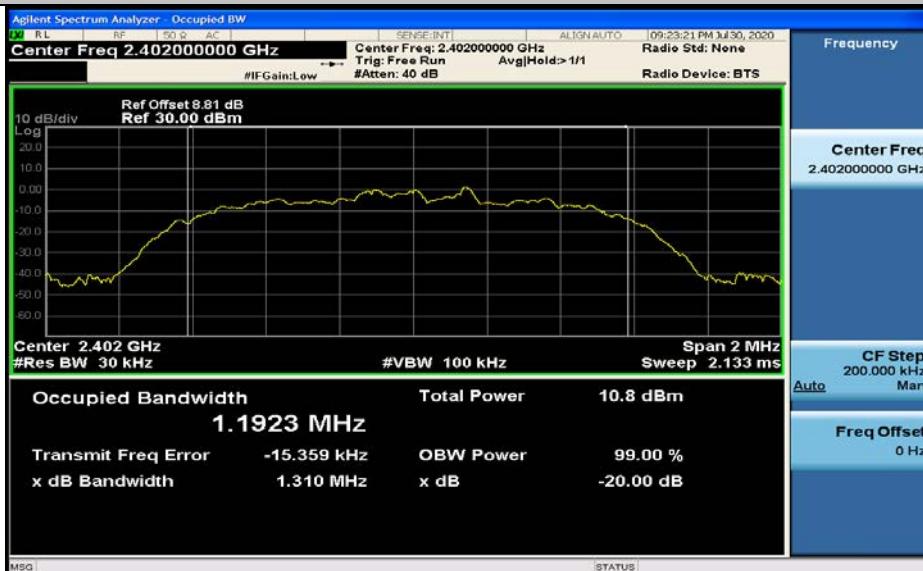
Occupied Bandwidth_2DH5_2441



Occupied Bandwidth_2DH5_2480



Occupied Bandwidth_3DH5_2402



Occupied Bandwidth_3DH5_2441



Occupied Bandwidth_3DH5_2480



3. Conducted Peak Output Power

| Test Mode | Test Channel | Power[dBm] | Limit[dBm] | Verdict |
|-----------|--------------|------------|------------|---------|
| DH5 | 2402 | 7.9 | 21 | PASS |
| DH5 | 2441 | 9.04 | 21 | PASS |
| DH5 | 2480 | 7.26 | 21 | PASS |
| 2DH5 | 2402 | 4.94 | 21 | PASS |
| 2DH5 | 2441 | 6.34 | 21 | PASS |
| 2DH5 | 2480 | 4.12 | 21 | PASS |
| 3DH5 | 2402 | 5.43 | 21 | PASS |
| 3DH5 | 2441 | 6.82 | 21 | PASS |
| 3DH5 | 2480 | 4.61 | 21 | PASS |

Conducted Peak Output Power_DH5_2402

Conducted Peak Output Power_DH5_2441

Conducted Peak Output Power_DH5_2480


Conducted Peak Output Power_2DH5_2402



Conducted Peak Output Power_2DH5_2441



Conducted Peak Output Power_2DH5_2480



Conducted Peak Output Power_3DH5_2402



Conducted Peak Output Power_3DH5_2441



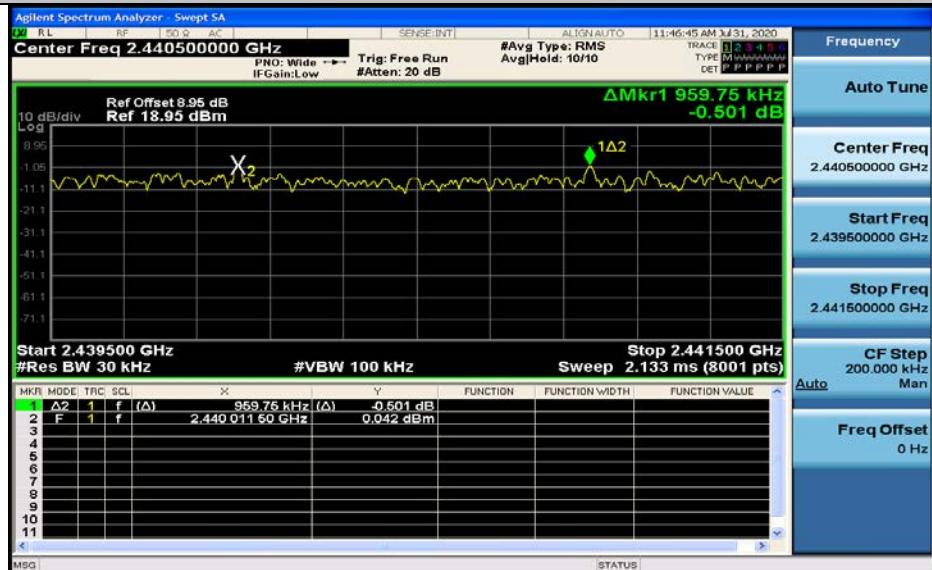
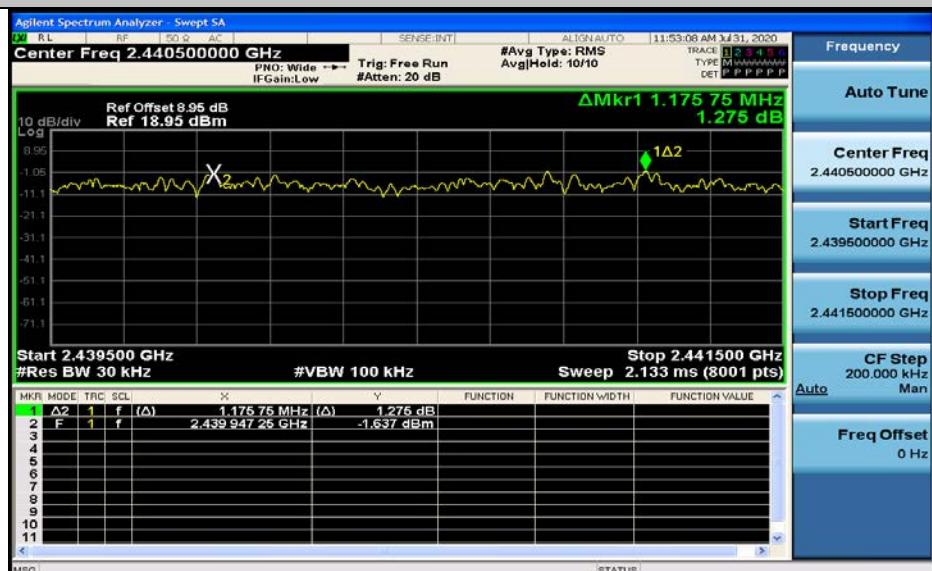
Conducted Peak Output Power_3DH5_2480



4.Carrier Frequency Separation

| Test Mode | Test Channel | Result[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|-------------|------------|---------|
| DH5 | 2441 | 0.96 | 0.629 | PASS |
| 2DH5 | 2441 | 0.96 | 0.897 | PASS |
| 3DH5 | 2441 | 1.18 | 0.874 | PASS |

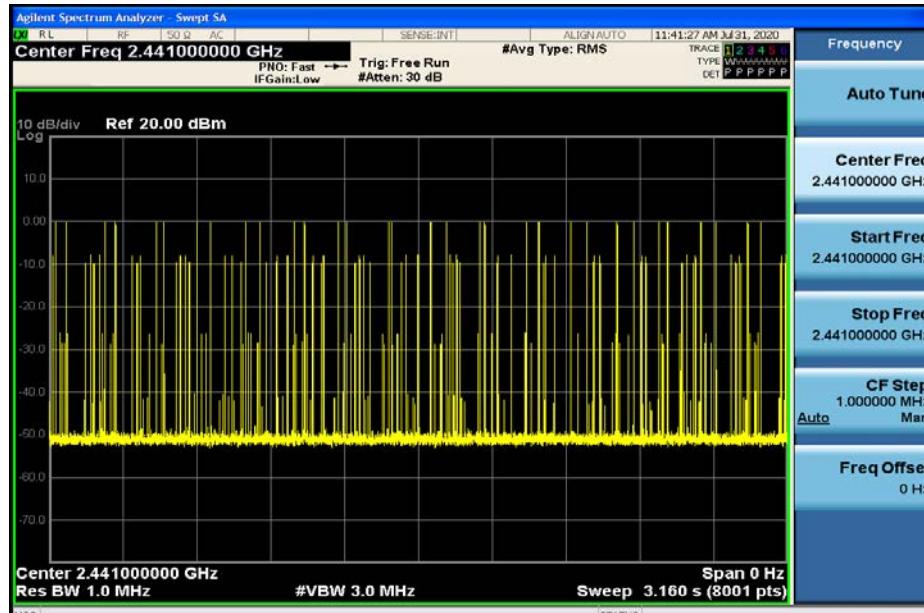
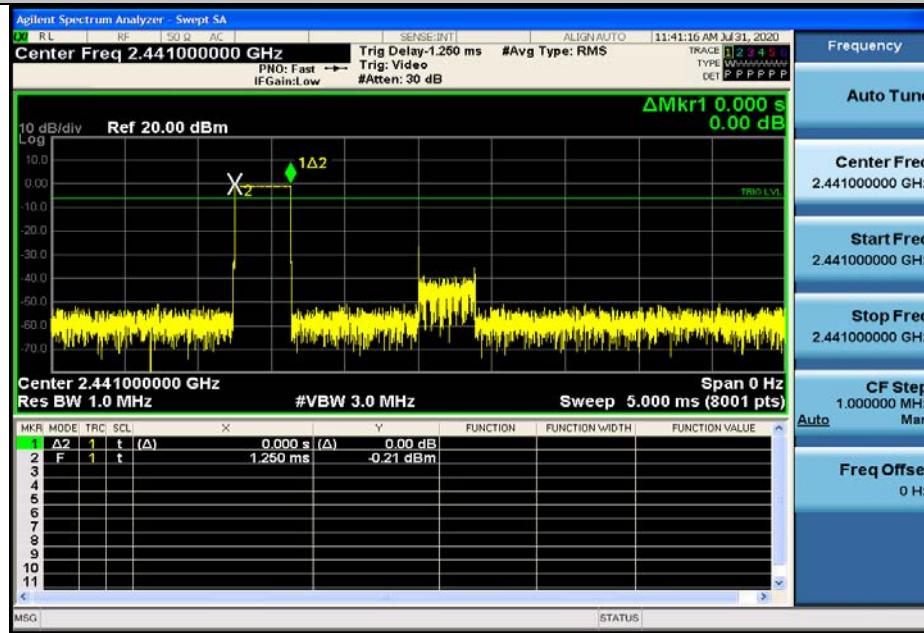
Carrier Frequency Separation_DH5_2441

Carrier Frequency Separation_2DH5_2441

Carrier Frequency Separation_3DH5_2441


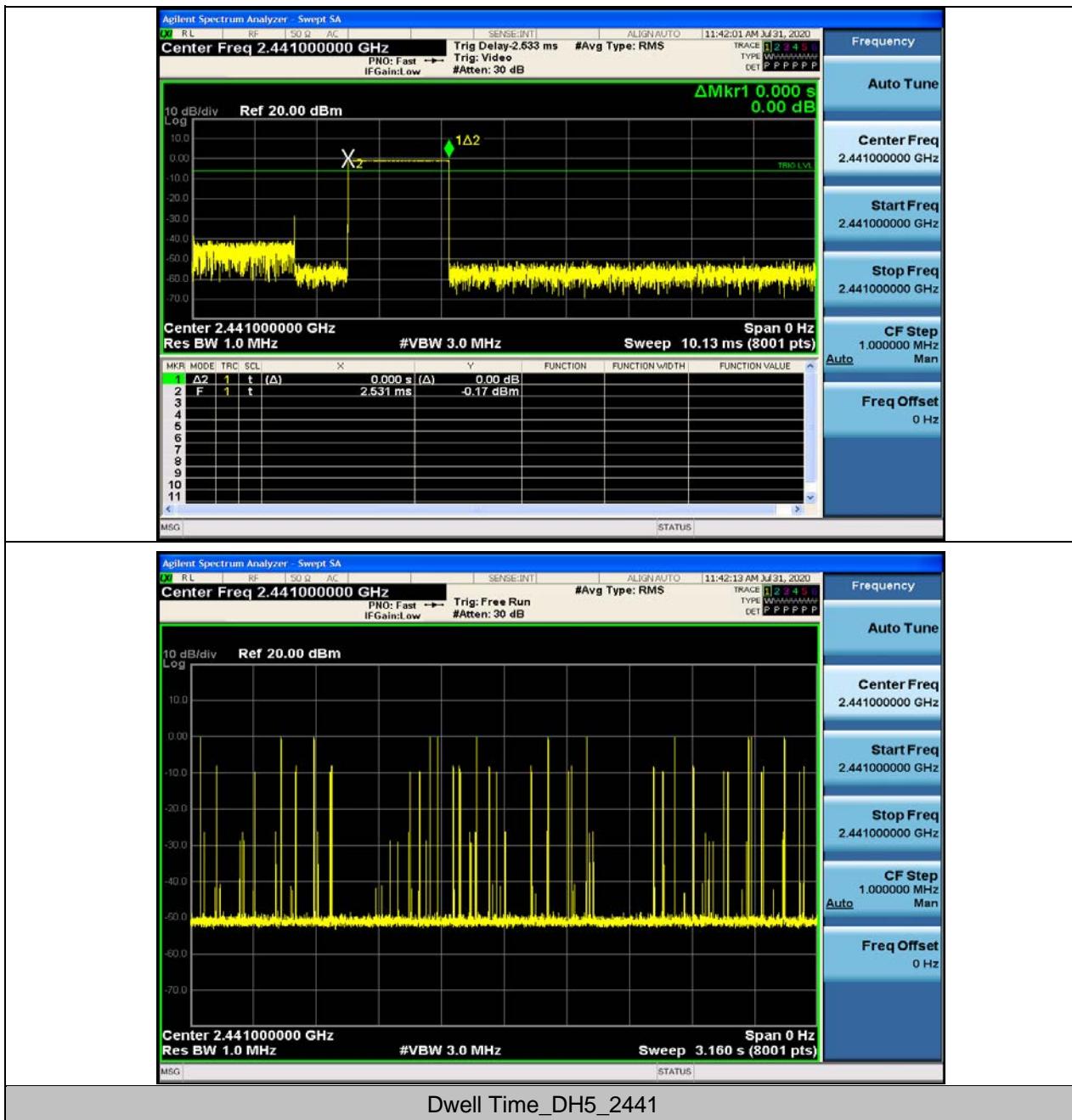
5.Dwell Time

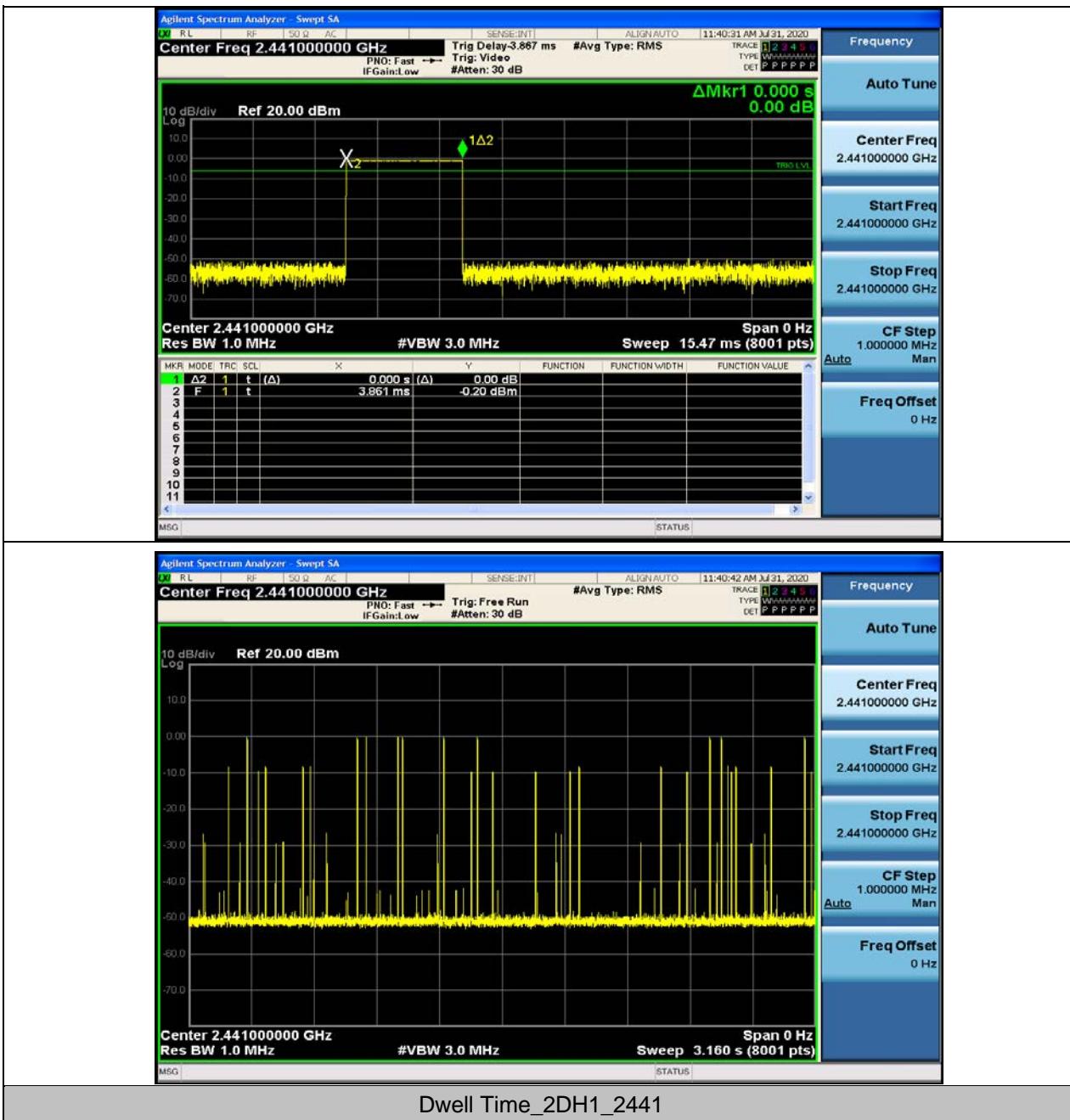
| Test Mode | Test Channel | Burst Width[ms/hop/ch] | Total Hops[hop*ch] | Dwell Time[s] | Limit[s] | Verdict |
|-----------|--------------|------------------------|--------------------|---------------|----------|---------|
| DH1 | 2441 | 0.38 | 320 | 0.12 | 0.4 | PASS |
| DH3 | 2441 | 1.64 | 120 | 0.20 | 0.4 | PASS |
| DH5 | 2441 | 2.88 | 100 | 0.29 | 0.4 | PASS |
| 2DH1 | 2441 | 0.39 | 310 | 0.12 | 0.4 | PASS |
| 2DH3 | 2441 | 1.64 | 200 | 0.33 | 0.4 | PASS |
| 2DH5 | 2441 | 2.89 | 50 | 0.14 | 0.4 | PASS |
| 3DH1 | 2441 | 0.39 | 320 | 0.13 | 0.4 | PASS |
| 3DH3 | 2441 | 1.64 | 160 | 0.26 | 0.4 | PASS |
| 3DH5 | 2441 | 2.89 | 110 | 0.32 | 0.4 | PASS |

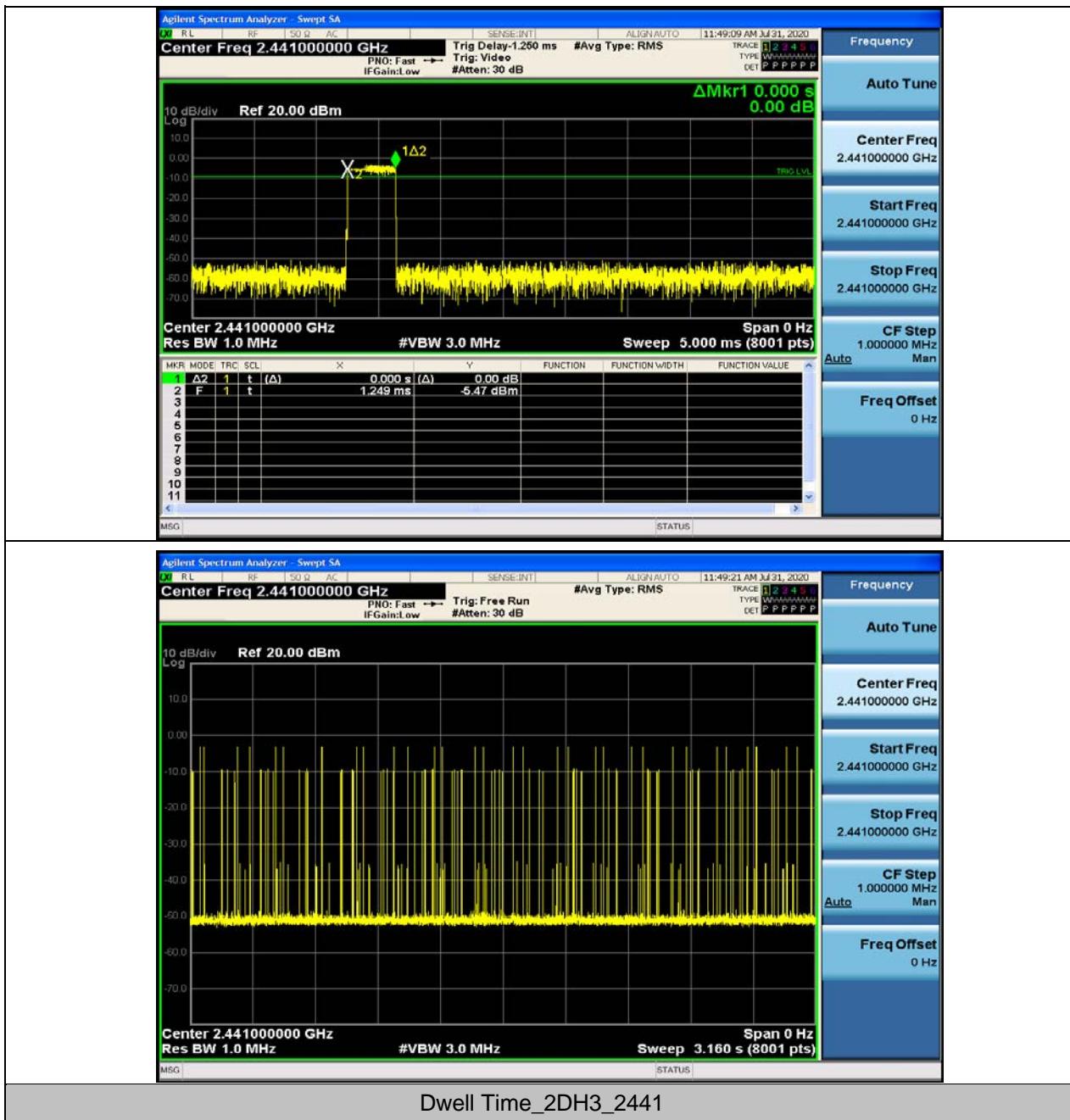
Dwell Time_DH1_2441

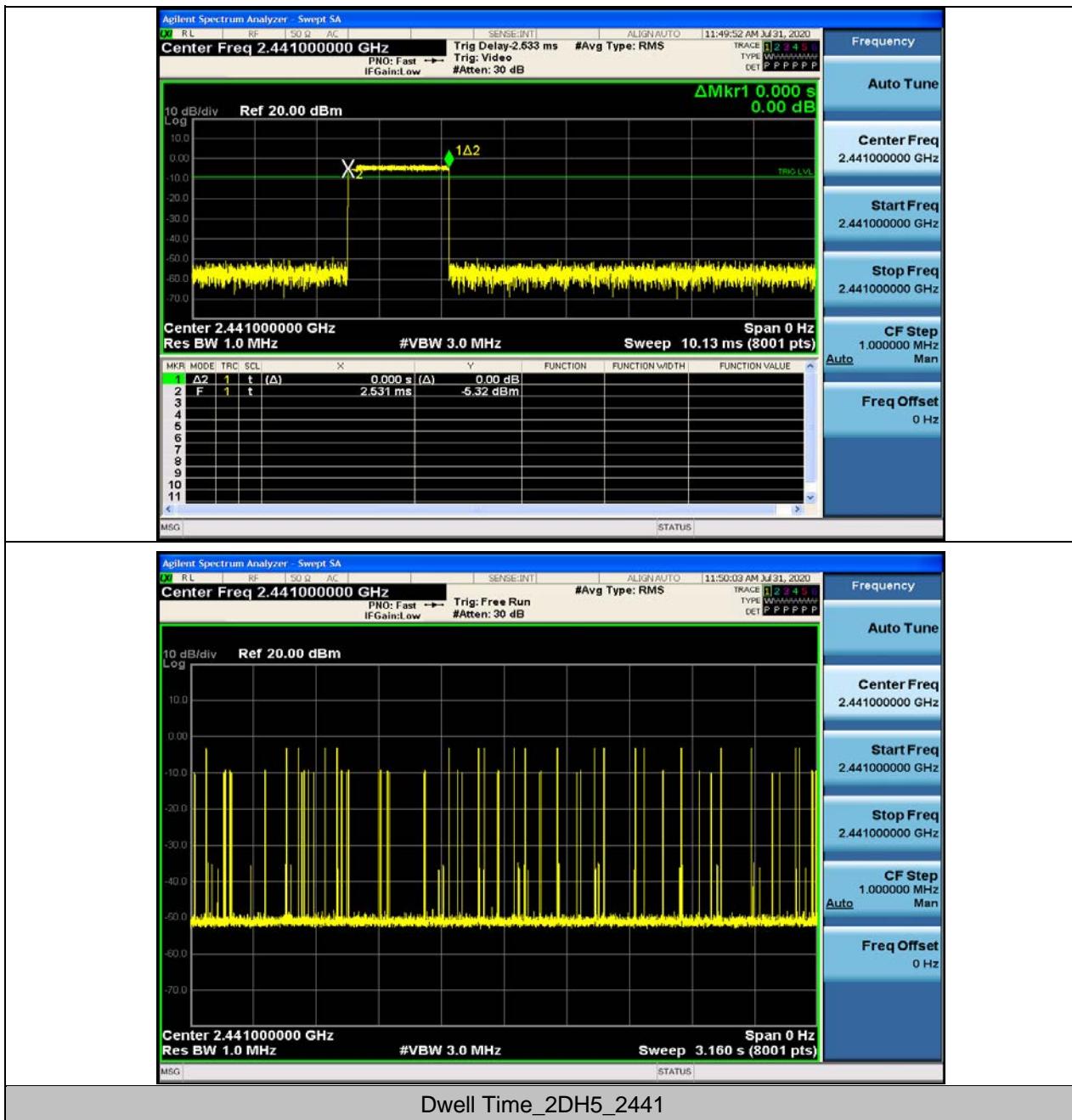


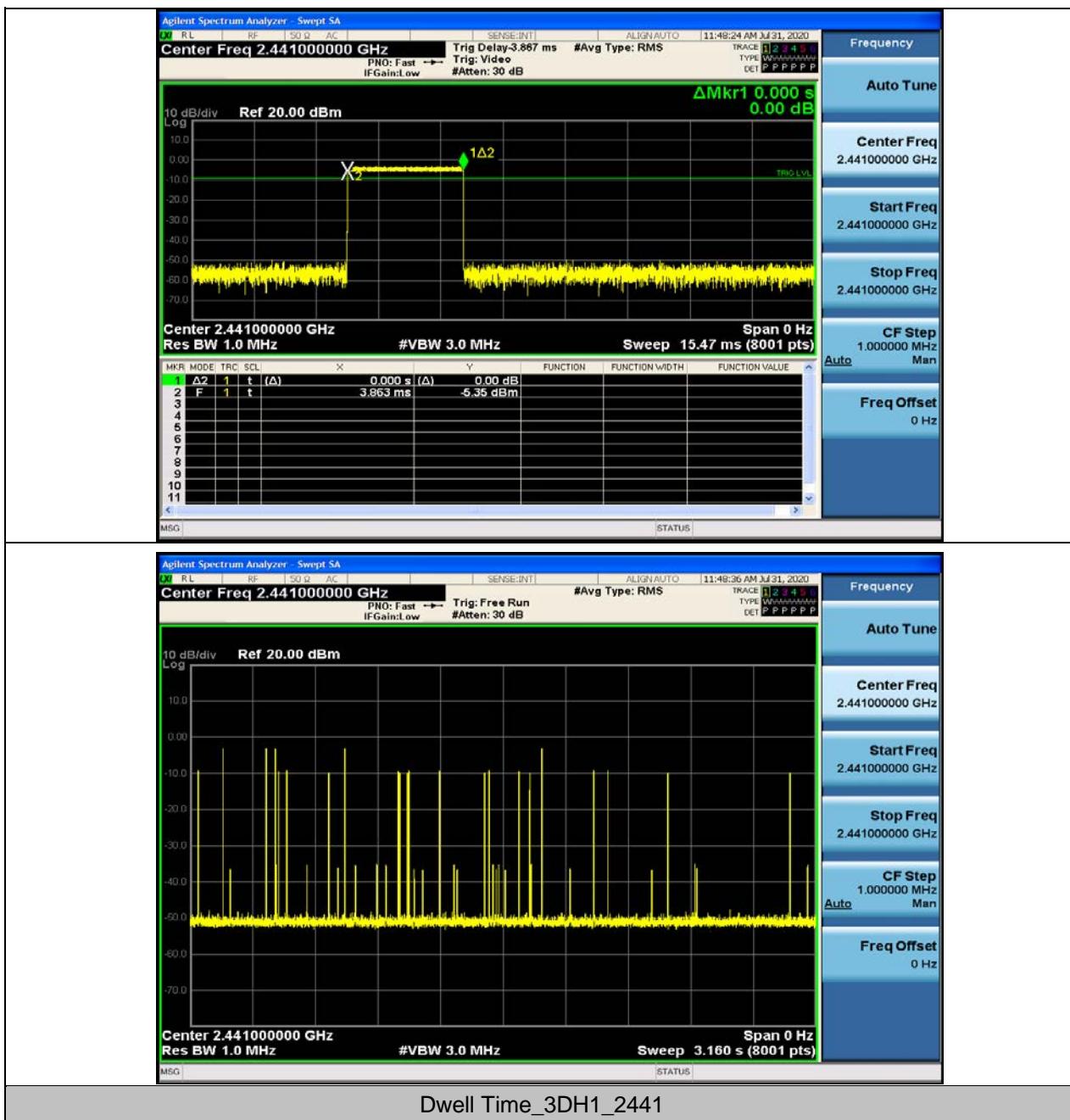
Dwell Time_DH3_2441

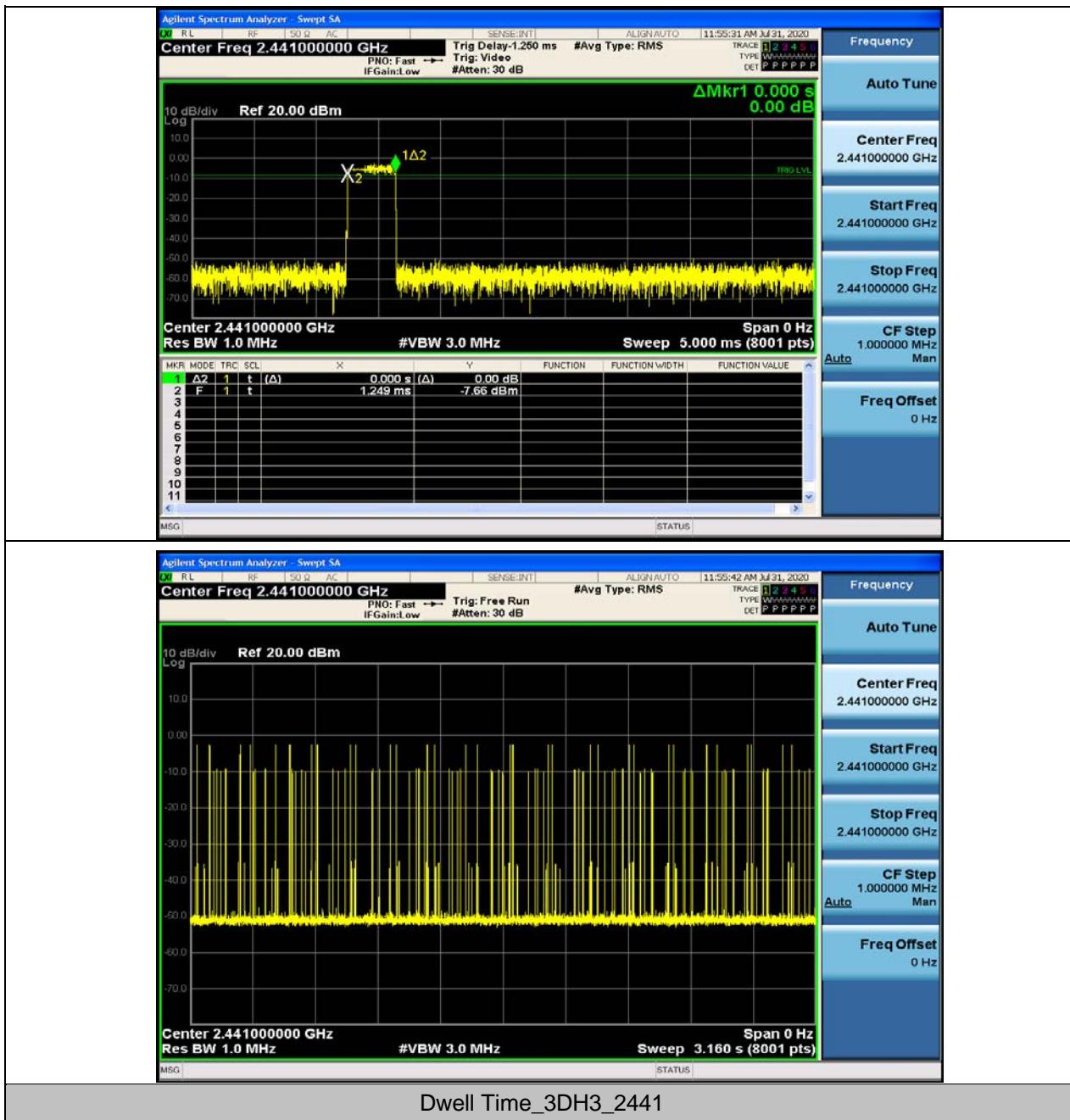


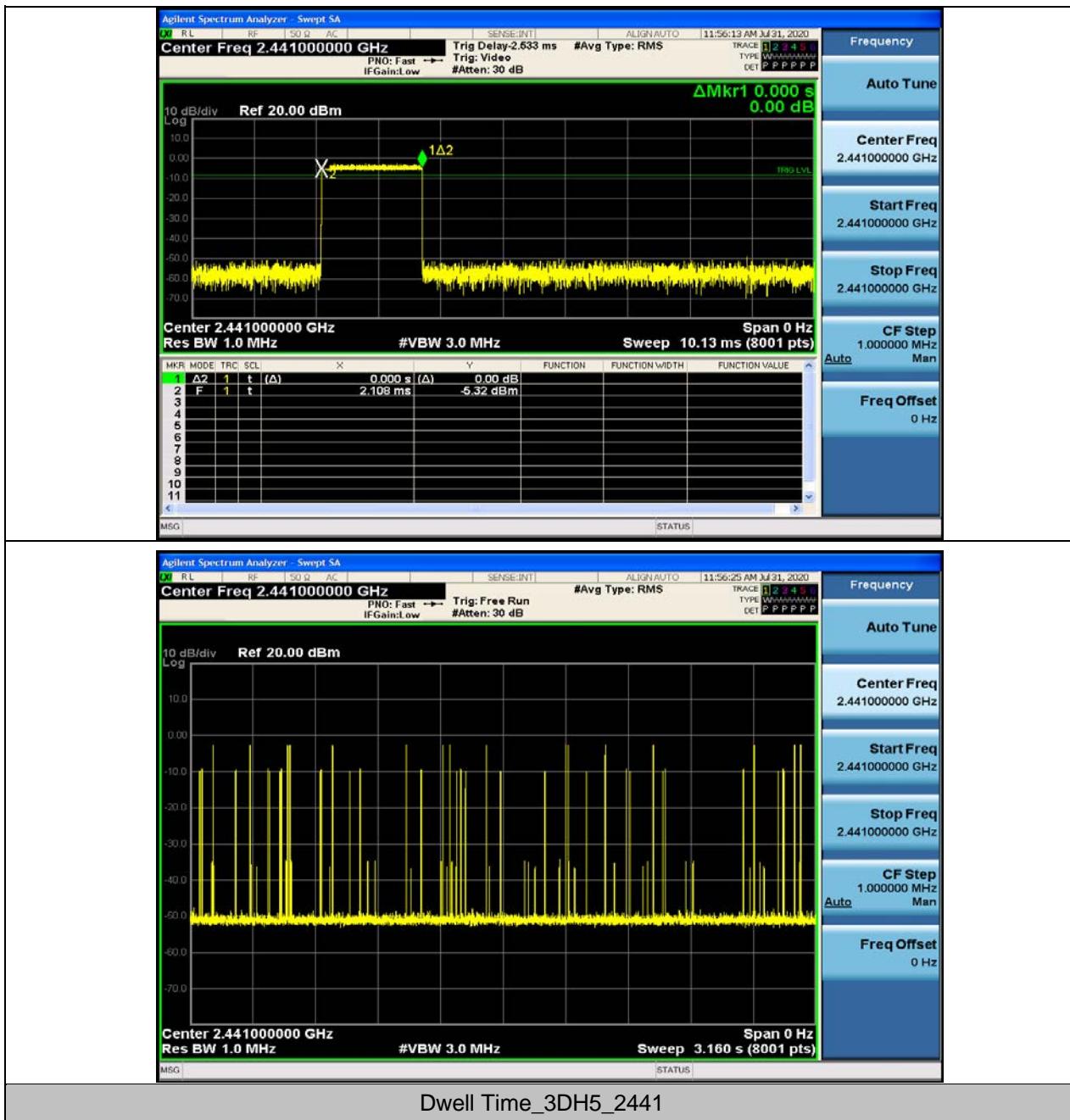


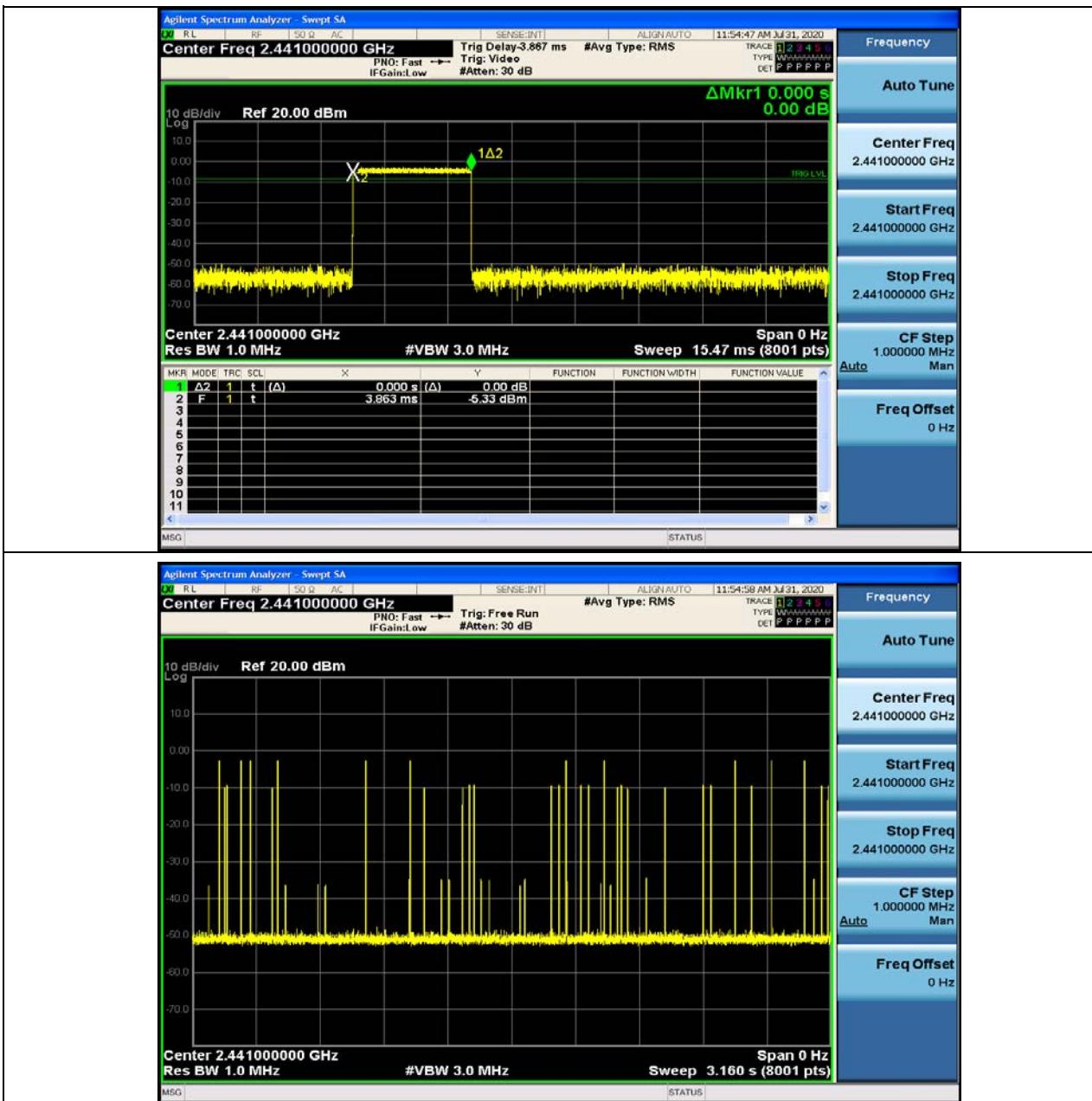






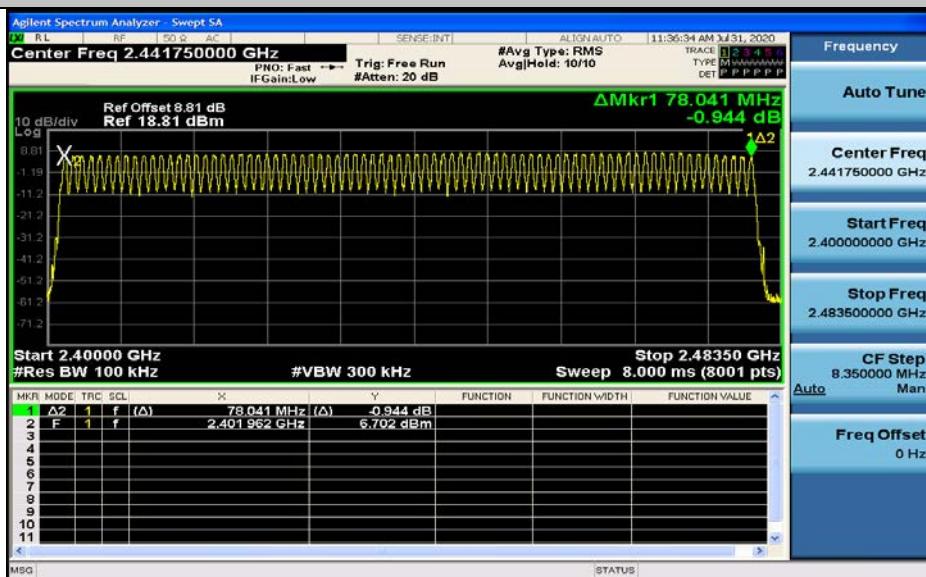
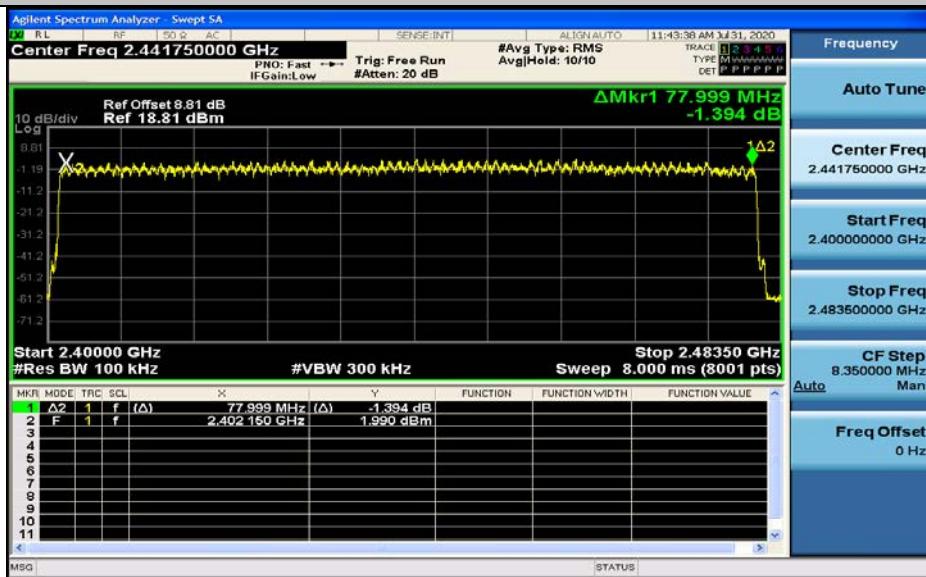
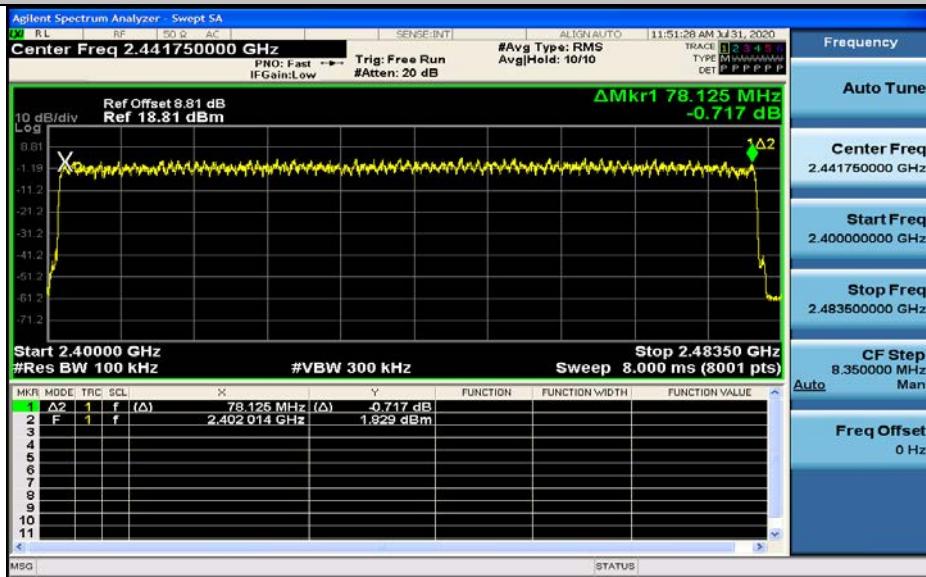






6. Hopping Channel Number

| Test Mode | Number of Hopping Channel[N] | Limit[N] | Verdict |
|-----------|------------------------------|-----------|---------|
| DH5 | 79 | ≥ 15 | PASS |
| 2DH5 | 79 | ≥ 15 | PASS |
| 3DH5 | 79 | ≥ 15 | PASS |

Hopping Channel Number_DH5

Hopping Channel Number_2DH5

Hopping Channel Number_3DH5


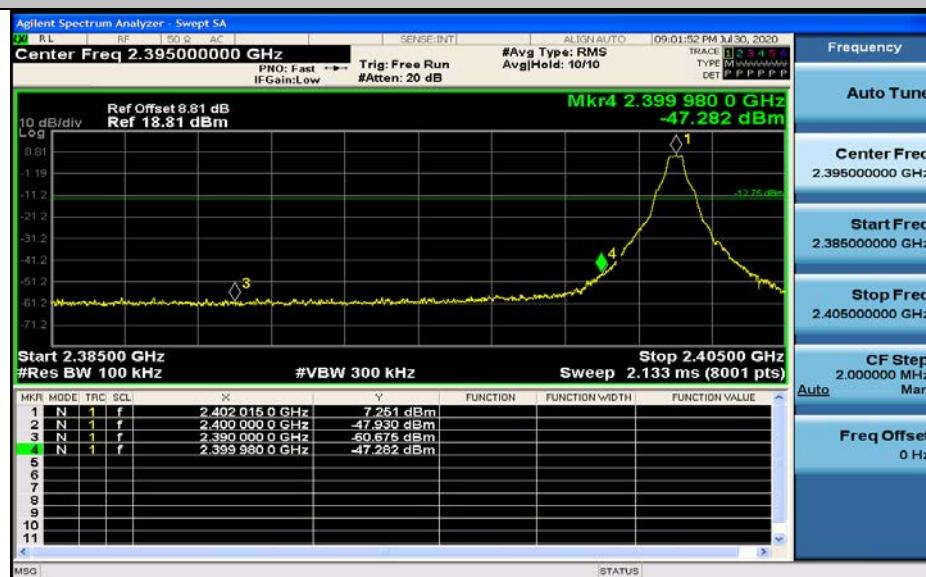
7.Band-edge for RF Conducted Emissions

| Test Mode | Test Channel | Hopping | Carrier Power[dBm] | Max. Spurious Level [dBm] | Limit[dBm] | Verdict |
|-----------|--------------|---------|--------------------|---------------------------|------------|---------|
| DH5 | 2402 | On | 7.14 | -52.43 | -12.86 | PASS |
| DH5 | 2402 | Off | 7.25 | -47.28 | -12.75 | PASS |
| DH5 | 2480 | On | 7.70 | -57.76 | -12.30 | PASS |
| DH5 | 2480 | Off | 6.53 | -55.25 | -13.47 | PASS |
| 2DH5 | 2402 | On | 1.68 | -56.69 | -18.32 | PASS |
| 2DH5 | 2402 | Off | 2.19 | -55.08 | -17.82 | PASS |
| 2DH5 | 2480 | On | 2.17 | -58.27 | -17.83 | PASS |
| 2DH5 | 2480 | Off | 1.31 | -57.72 | -18.69 | PASS |
| 3DH5 | 2402 | On | 2.05 | -57.95 | -17.95 | PASS |
| 3DH5 | 2402 | Off | 2.21 | -55.47 | -17.79 | PASS |
| 3DH5 | 2480 | On | 2.22 | -58.54 | -17.78 | PASS |
| 3DH5 | 2480 | Off | 1.41 | -58.30 | -18.59 | PASS |

Band-edge for RF Conducted Emissions_DH5_2402_Hopping On



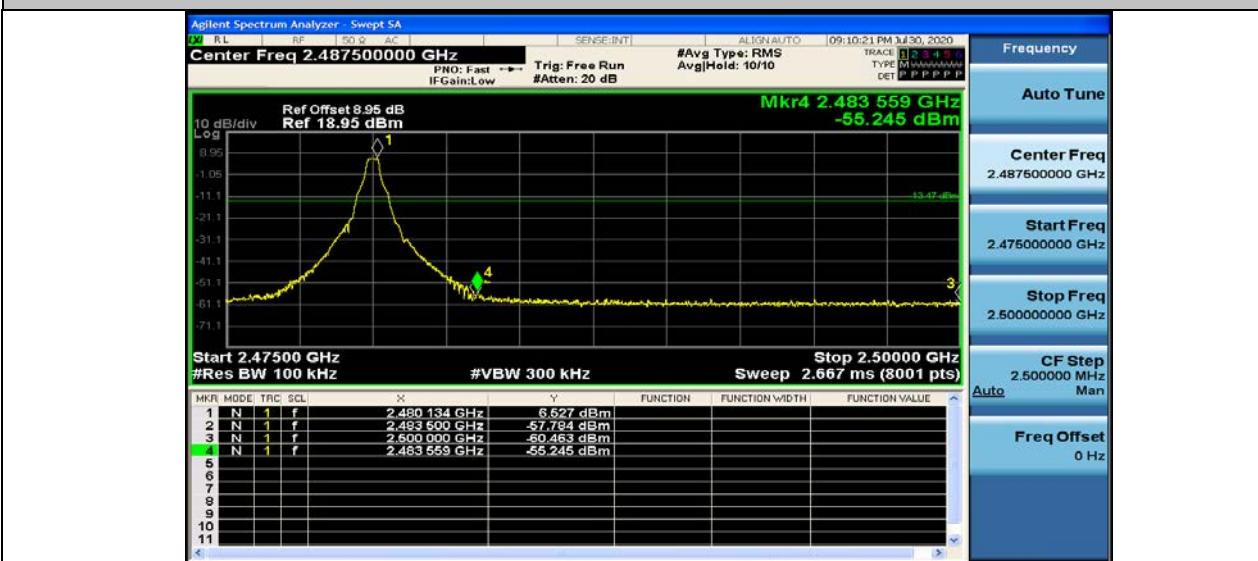
Band-edge for RF Conducted Emissions_DH5_2402_Hopping Off



Band-edge for RF Conducted Emissions_DH5_2480_Hopping On



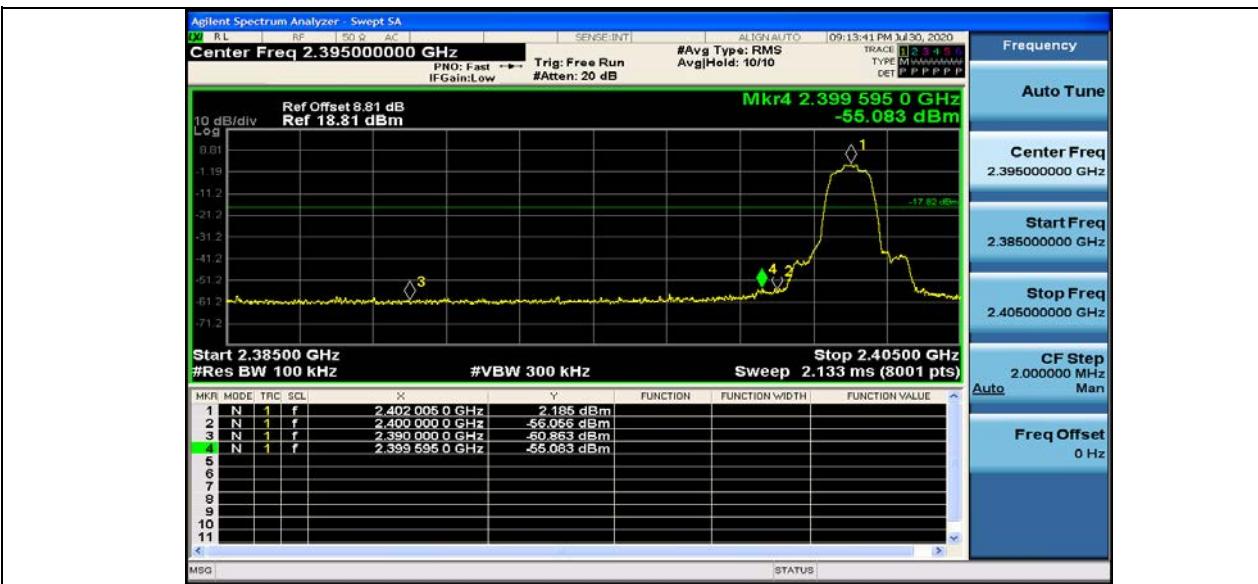
Band-edge for RF Conducted Emissions_DH5_2480_Hopping Off



Band-edge for RF Conducted Emissions_2DH5_2402_Hopping On



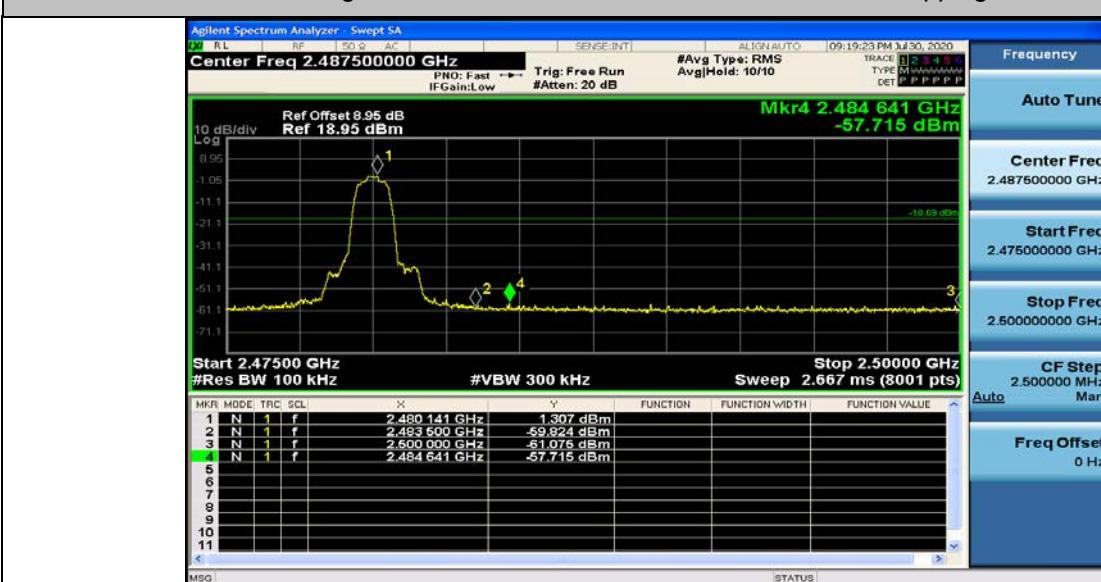
Band-edge for RF Conducted Emissions_2DH5_2402_Hopping Off



Band-edge for RF Conducted Emissions_2DH5_2480_Hopping On



Band-edge for RF Conducted Emissions_2DH5_2480_Hopping Off



Band-edge for RF Conducted Emissions_3DH5_2402_Hopping On



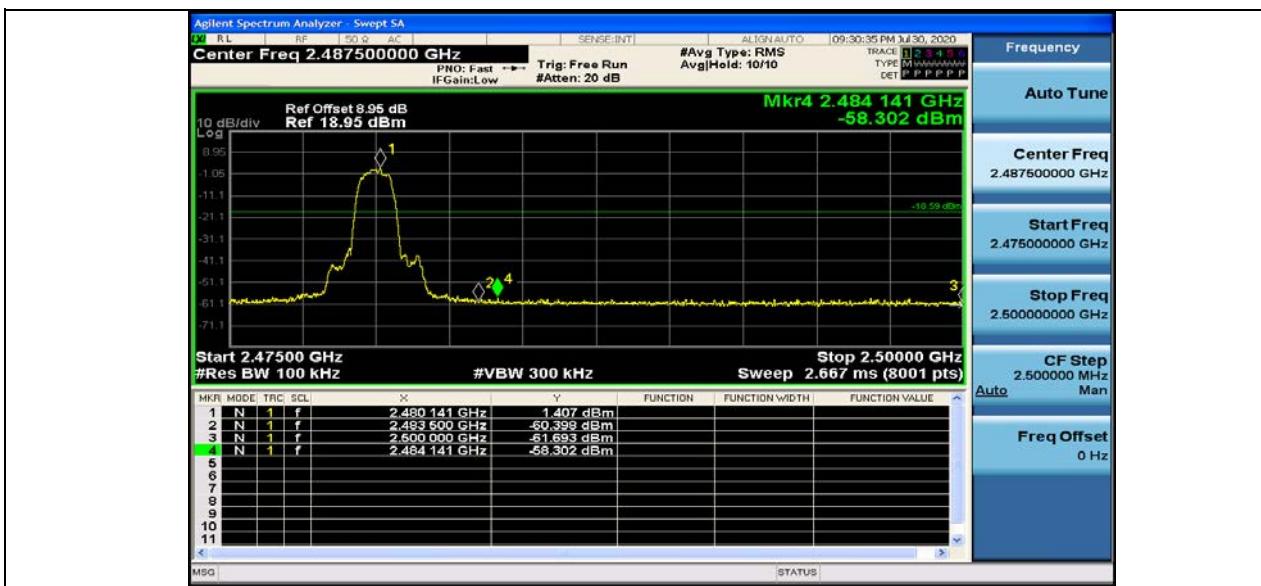
Band-edge for RF Conducted Emissions_3DH5_2402_Hopping Off



Band-edge for RF Conducted Emissions_3DH5_2480_Hopping On

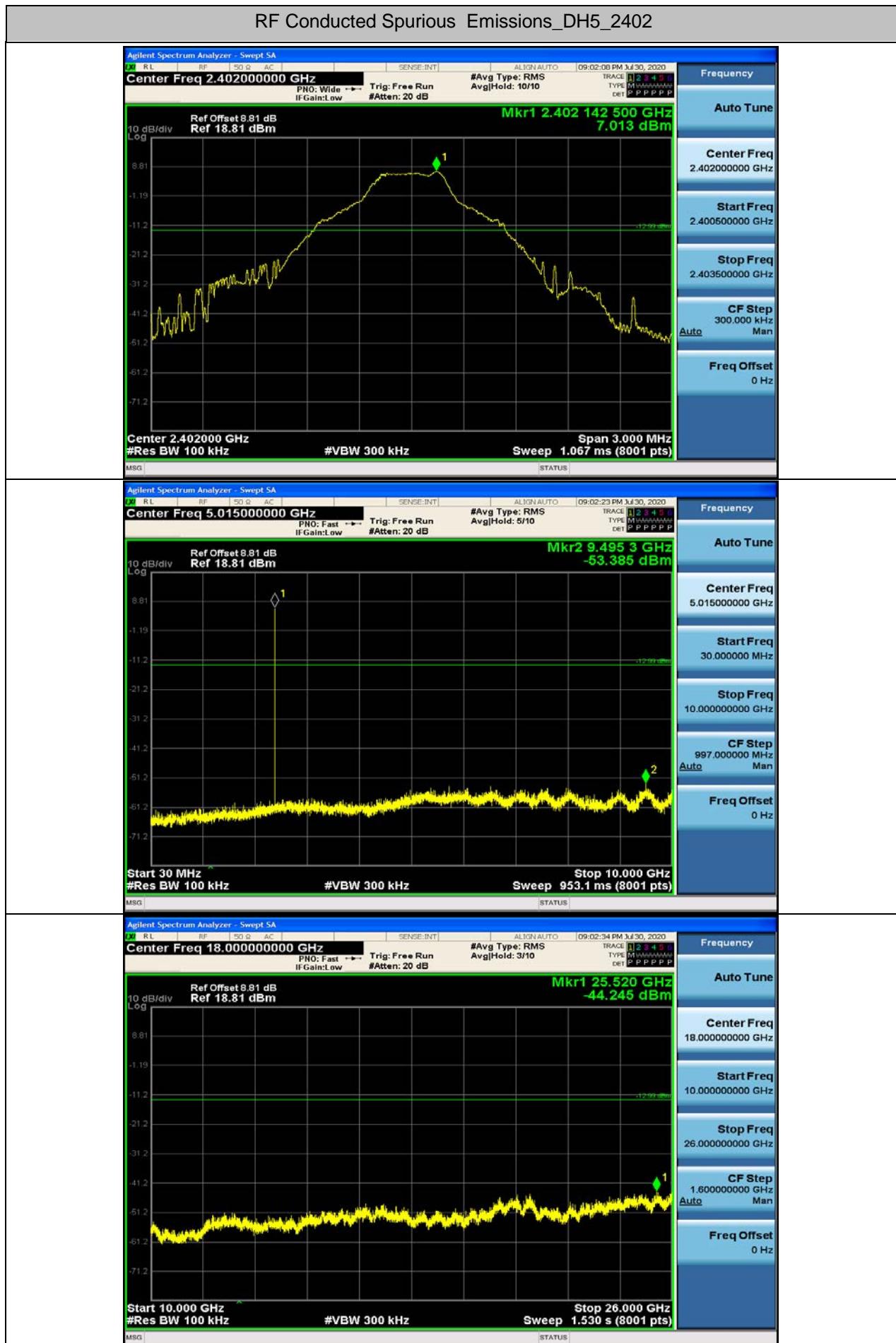


Band-edge for RF Conducted Emissions_3DH5_2480_Hopping Off

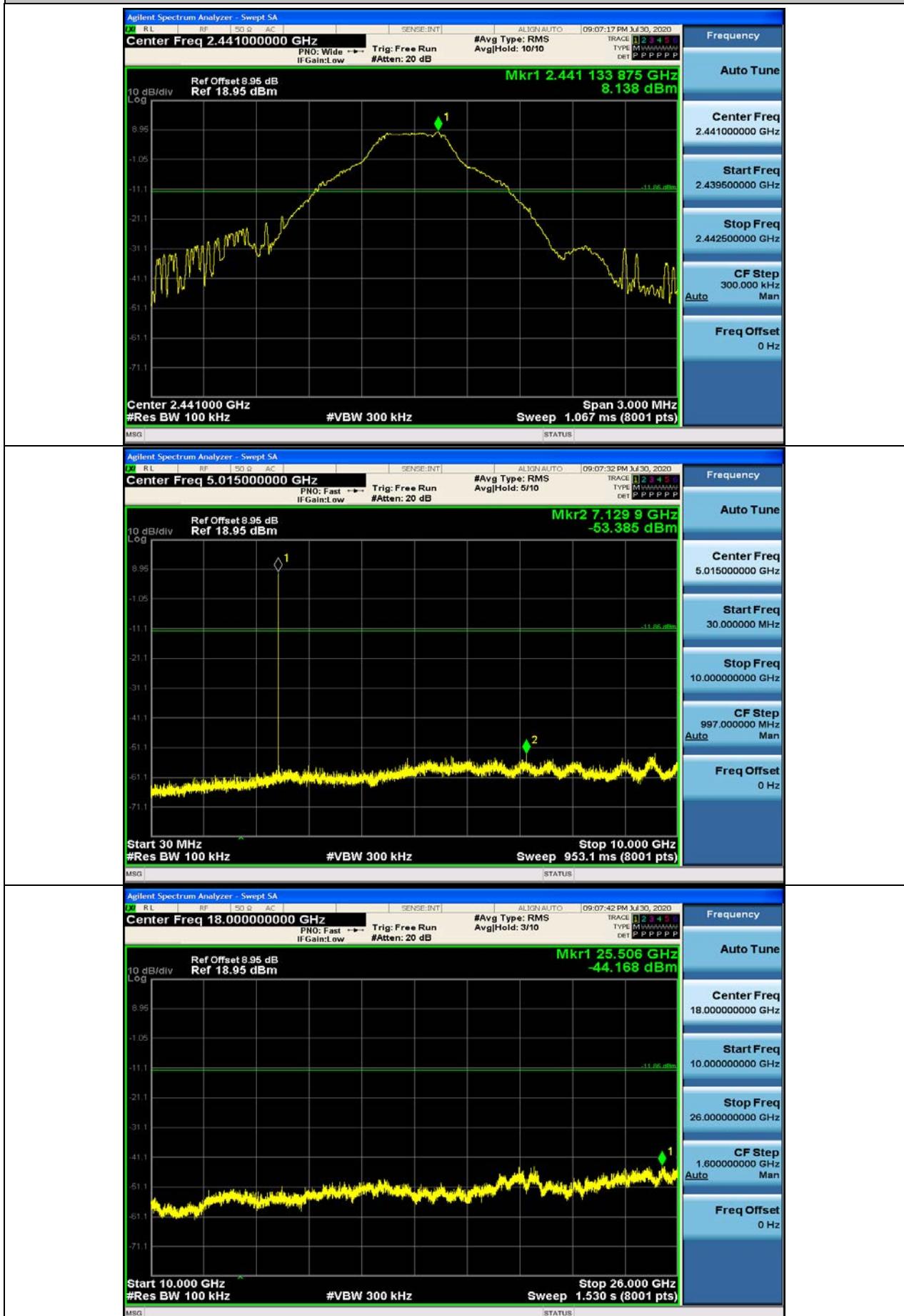


8.RF Conducted Spurious Emissions

| Test Mode | Test Channel | StartFre [MHz] | StopFre [MHz] | RBW [kHz] | VBW [kHz] | Pref[dBm] | Max. Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|----------------|---------------|-----------|-----------|-----------|------------------|-------------|---------|
| DH5 | 2402 | 30 | 10000 | 100 | 300 | 7.01 | -53.39 | <-12.99 | PASS |
| DH5 | 2402 | 10000 | 26000 | 100 | 300 | 7.013 | -44.245 | <-12.987 | PASS |
| DH5 | 2441 | 30 | 10000 | 100 | 300 | 8.14 | -53.39 | <-11.86 | PASS |
| DH5 | 2441 | 10000 | 26000 | 100 | 300 | 8.138 | -44.168 | <-11.862 | PASS |
| DH5 | 2480 | 30 | 10000 | 100 | 300 | 6.43 | -47.18 | <-13.57 | PASS |
| DH5 | 2480 | 10000 | 26000 | 100 | 300 | 6.43 | -44.119 | <-13.57 | PASS |
| 2DH5 | 2402 | 30 | 10000 | 100 | 300 | 2.00 | -53.54 | <-18.00 | PASS |
| 2DH5 | 2402 | 10000 | 26000 | 100 | 300 | 2 | -43.897 | <-18 | PASS |
| 2DH5 | 2441 | 30 | 10000 | 100 | 300 | 3.39 | -52.67 | <-16.61 | PASS |
| 2DH5 | 2441 | 10000 | 26000 | 100 | 300 | 3.394 | -44.073 | <-16.606 | PASS |
| 2DH5 | 2480 | 30 | 10000 | 100 | 300 | 0.80 | -54.23 | <-19.20 | PASS |
| 2DH5 | 2480 | 10000 | 26000 | 100 | 300 | 0.797 | -43.029 | <-19.203 | PASS |
| 3DH5 | 2402 | 30 | 10000 | 100 | 300 | 2.12 | -53.94 | <-17.88 | PASS |
| 3DH5 | 2402 | 10000 | 26000 | 100 | 300 | 2.123 | -43.393 | <-17.877 | PASS |
| 3DH5 | 2441 | 30 | 10000 | 100 | 300 | 3.58 | -53.34 | <-16.42 | PASS |
| 3DH5 | 2441 | 10000 | 26000 | 100 | 300 | 3.578 | -44.134 | <-16.422 | PASS |
| 3DH5 | 2480 | 30 | 10000 | 100 | 300 | 1.31 | -53.77 | <-18.69 | PASS |
| 3DH5 | 2480 | 10000 | 26000 | 100 | 300 | 1.308 | -43.506 | <-18.692 | PASS |



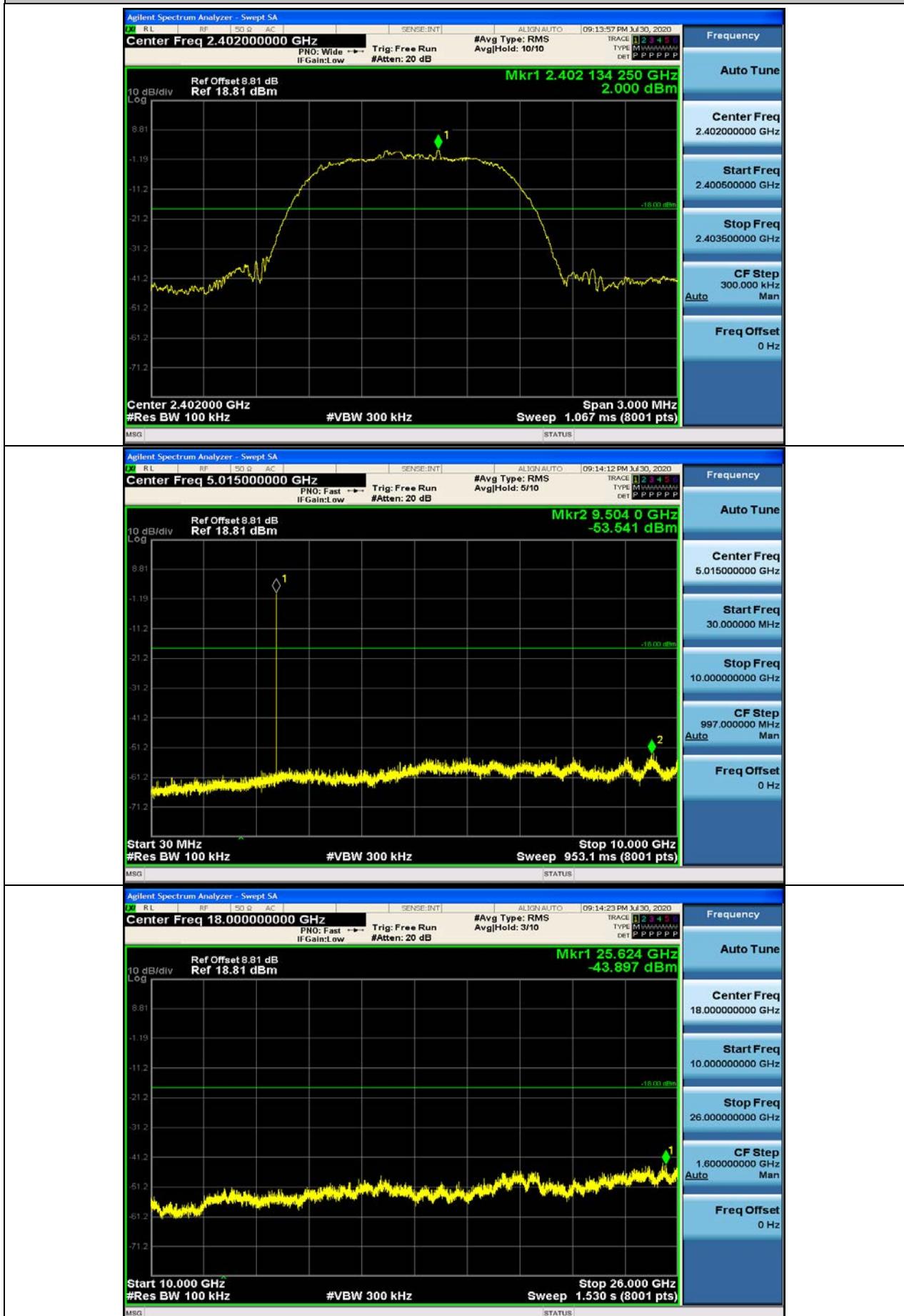
RF Conducted Spurious Emissions_DH5_2441



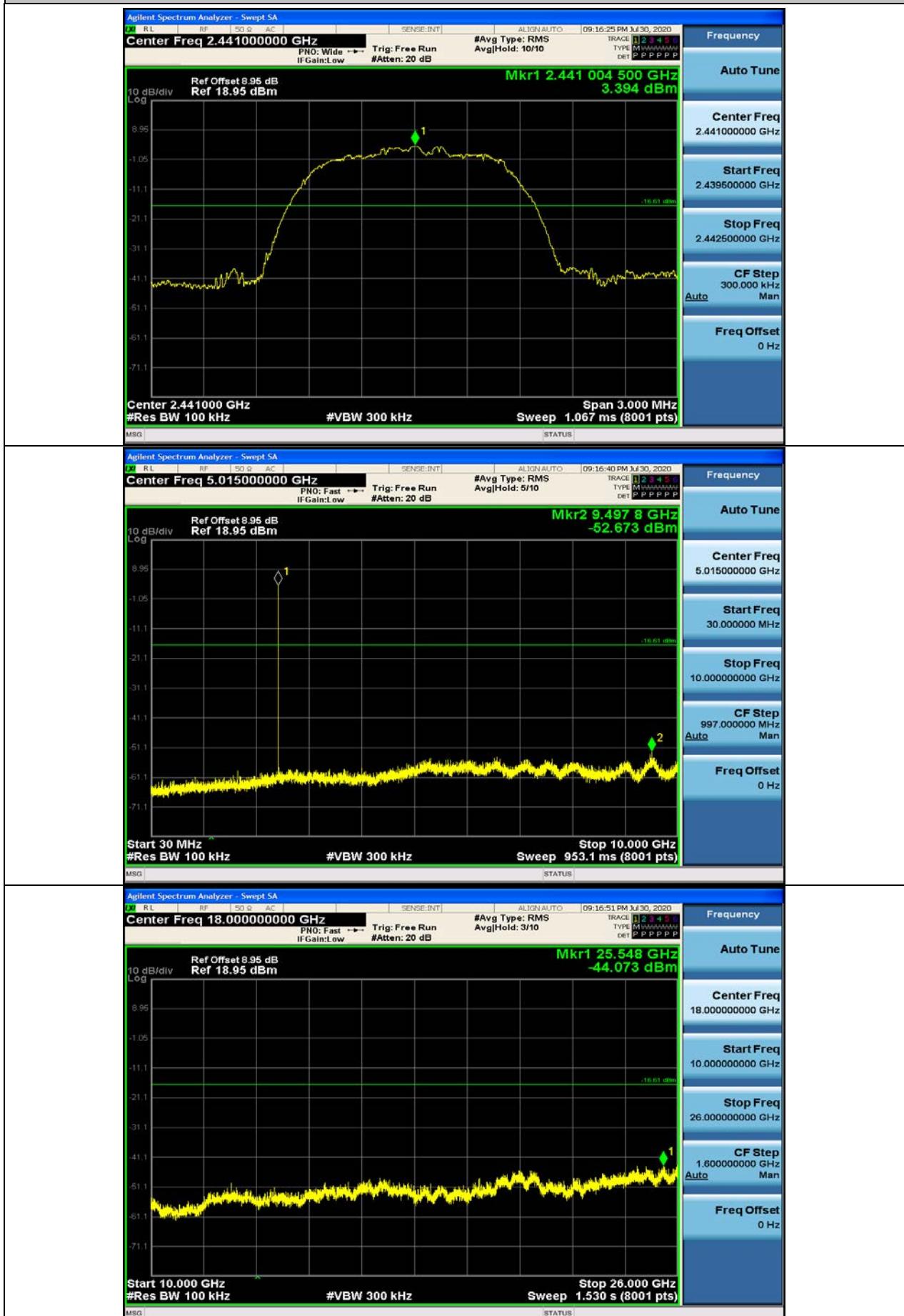
RF Conducted Spurious Emissions_DH5_2480

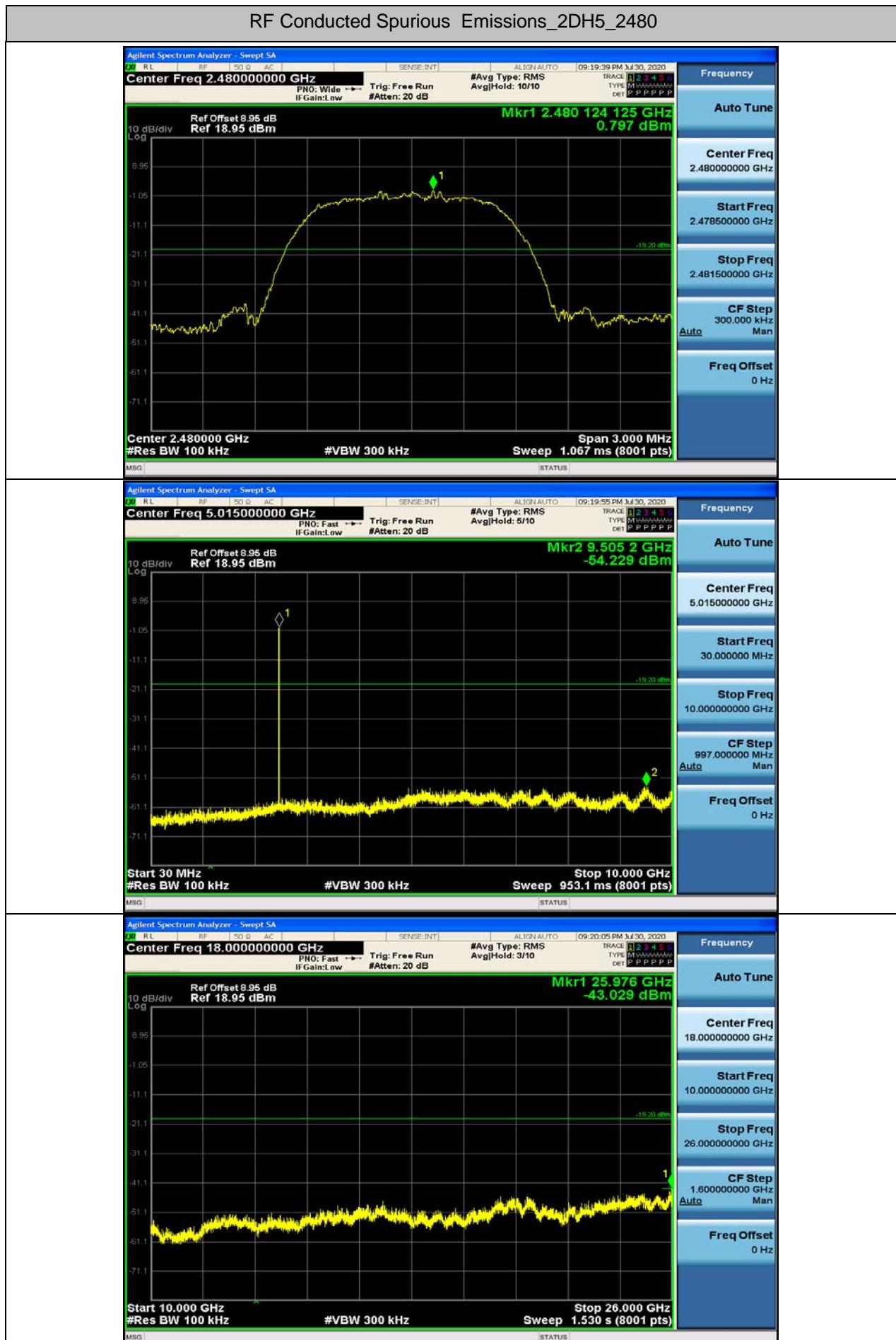


RF Conducted Spurious Emissions_2DH5_2402

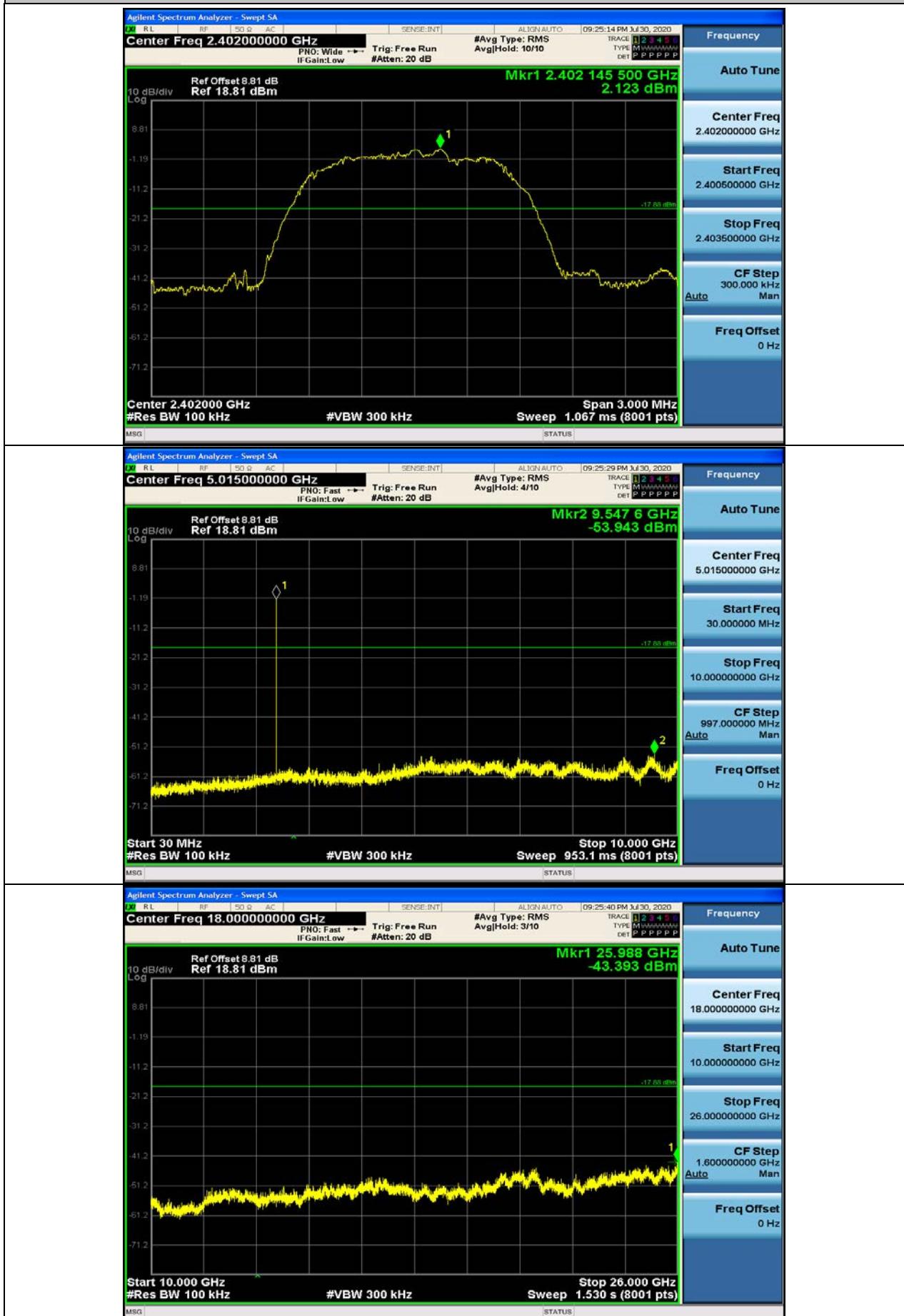


RF Conducted Spurious Emissions_2DH5_2441





RF Conducted Spurious Emissions_3DH5_2402



RF Conducted Spurious Emissions_3DH5_2441

