

## Appendix A

### RF Test Data for BT V4.1 (Conducted Measurement)

Product Name: bluetooth headset

Trade Mark: N/A

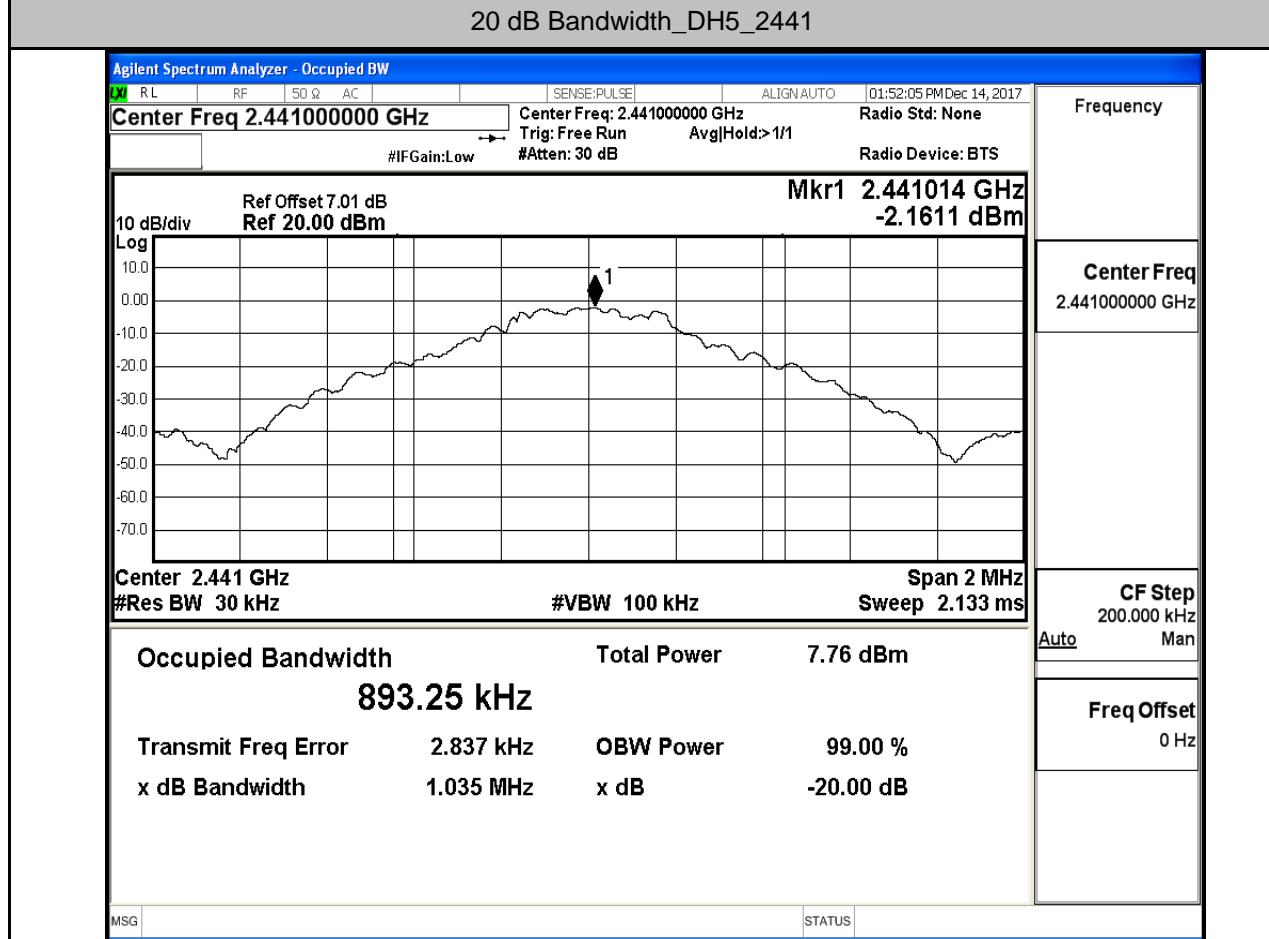
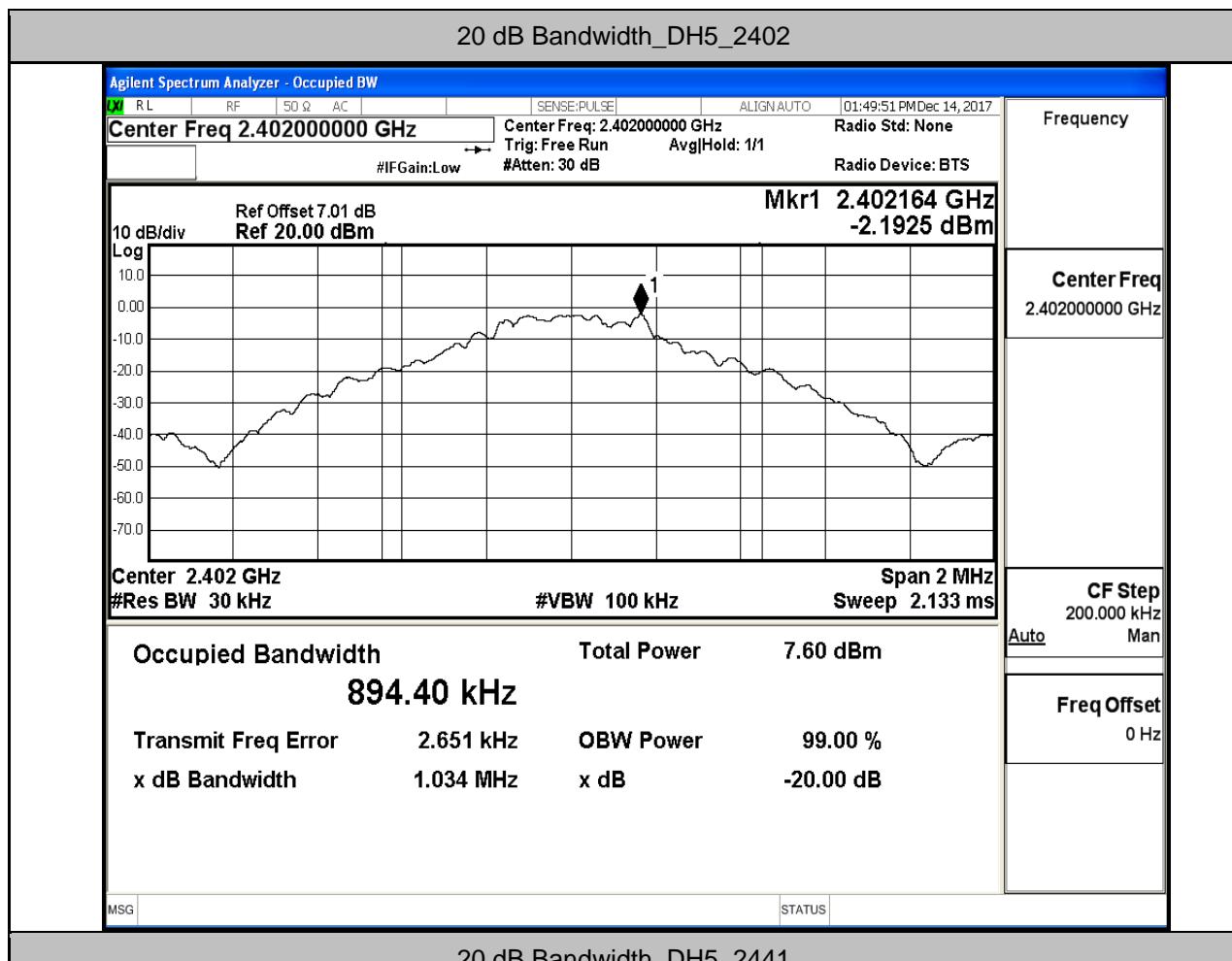
Test Model: M66

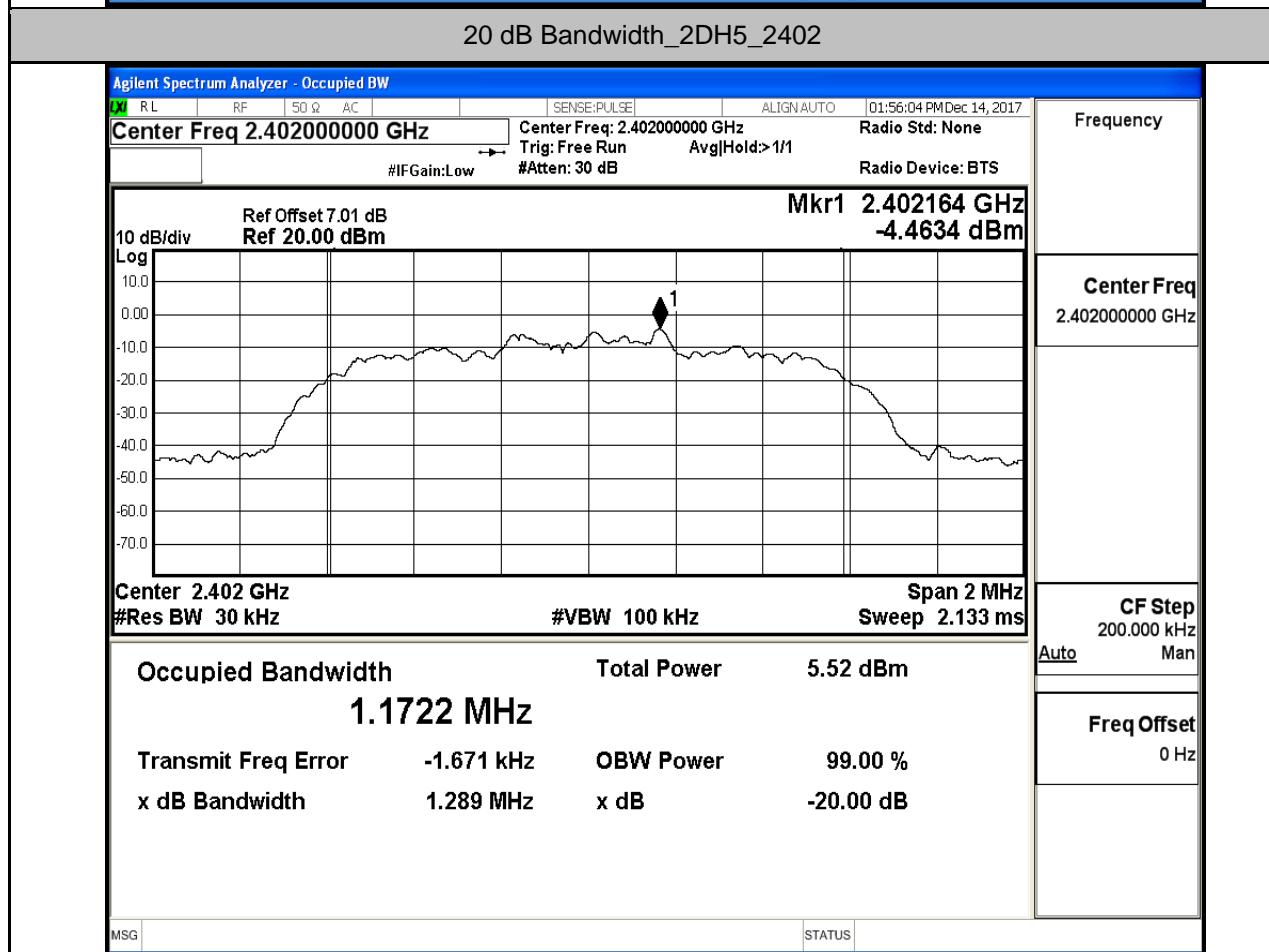
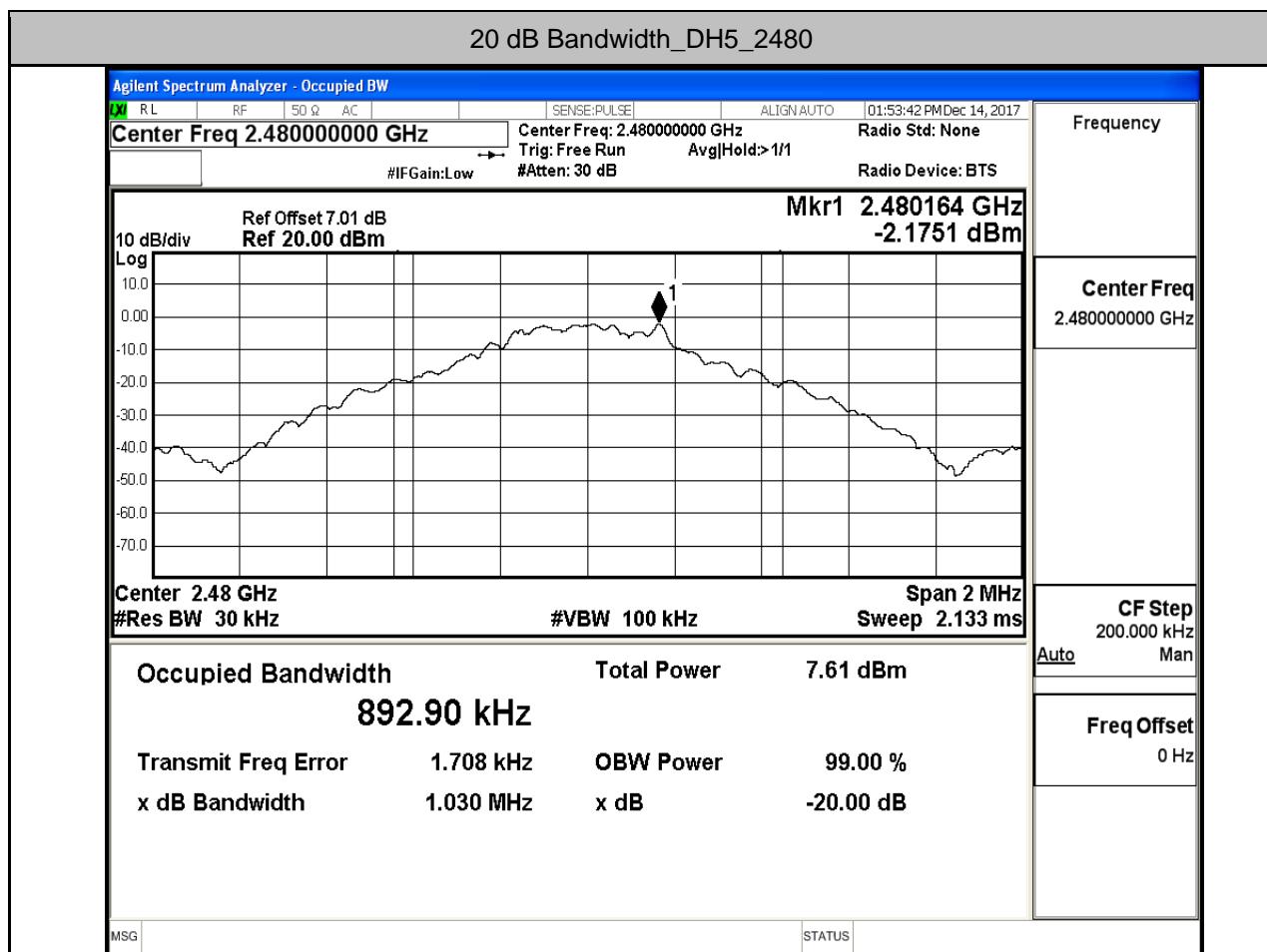
FCC ID: 2AM6S-M66

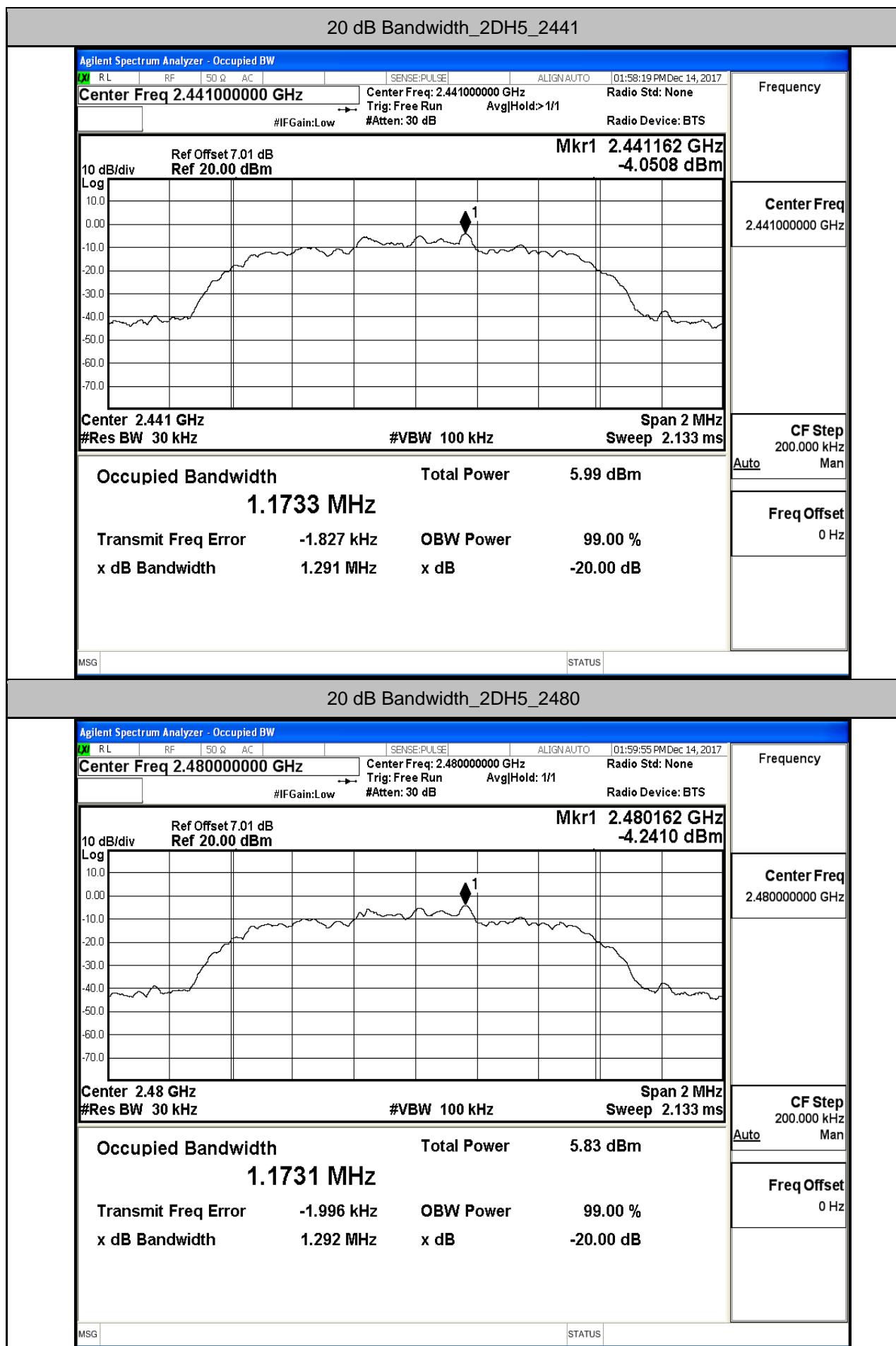
|               |         |                |     |
|---------------|---------|----------------|-----|
| Temperature   | 23.2°C  | Humidity       | 52% |
| Test Engineer | WC Wang | Configurations | BT  |

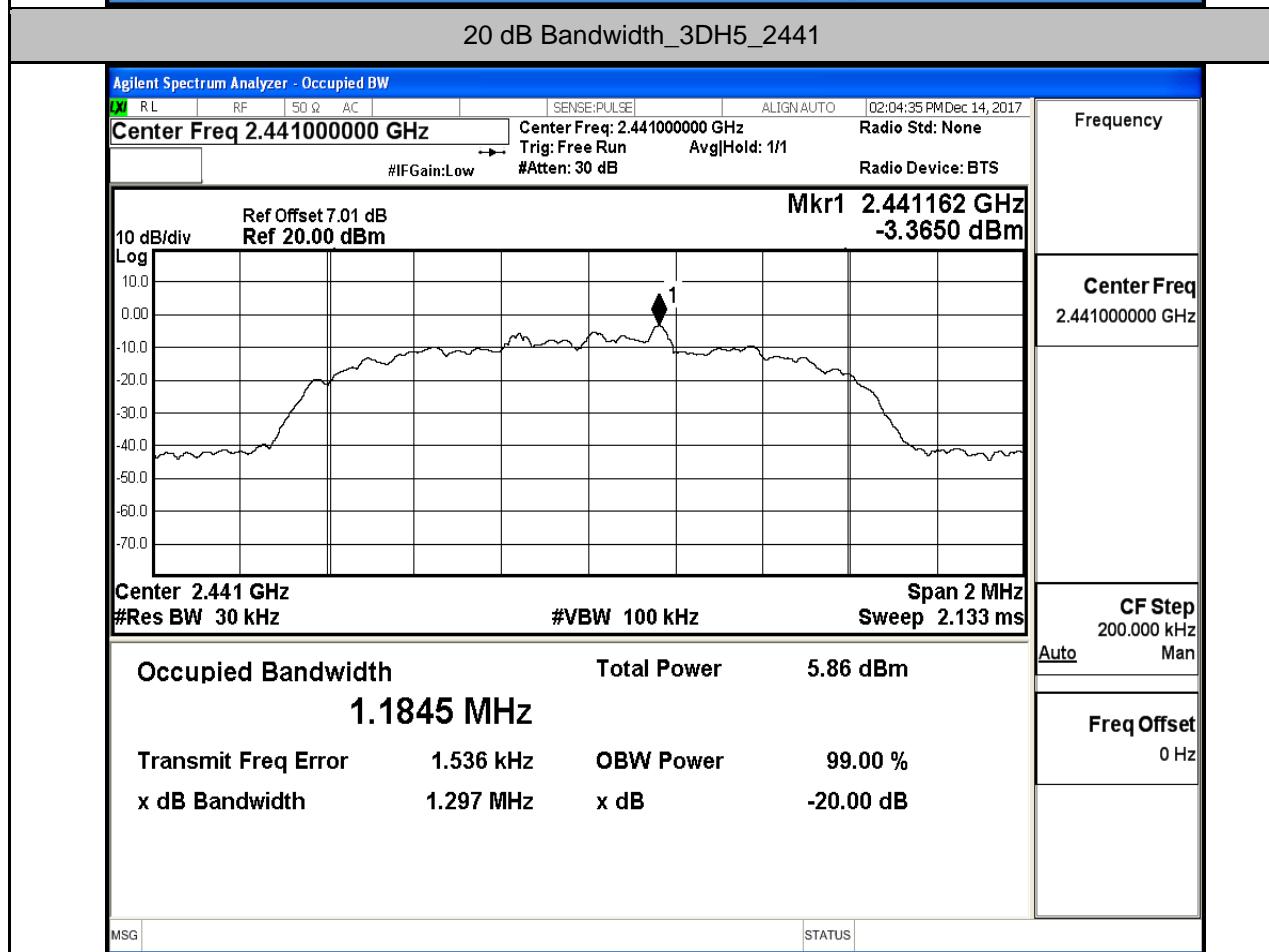
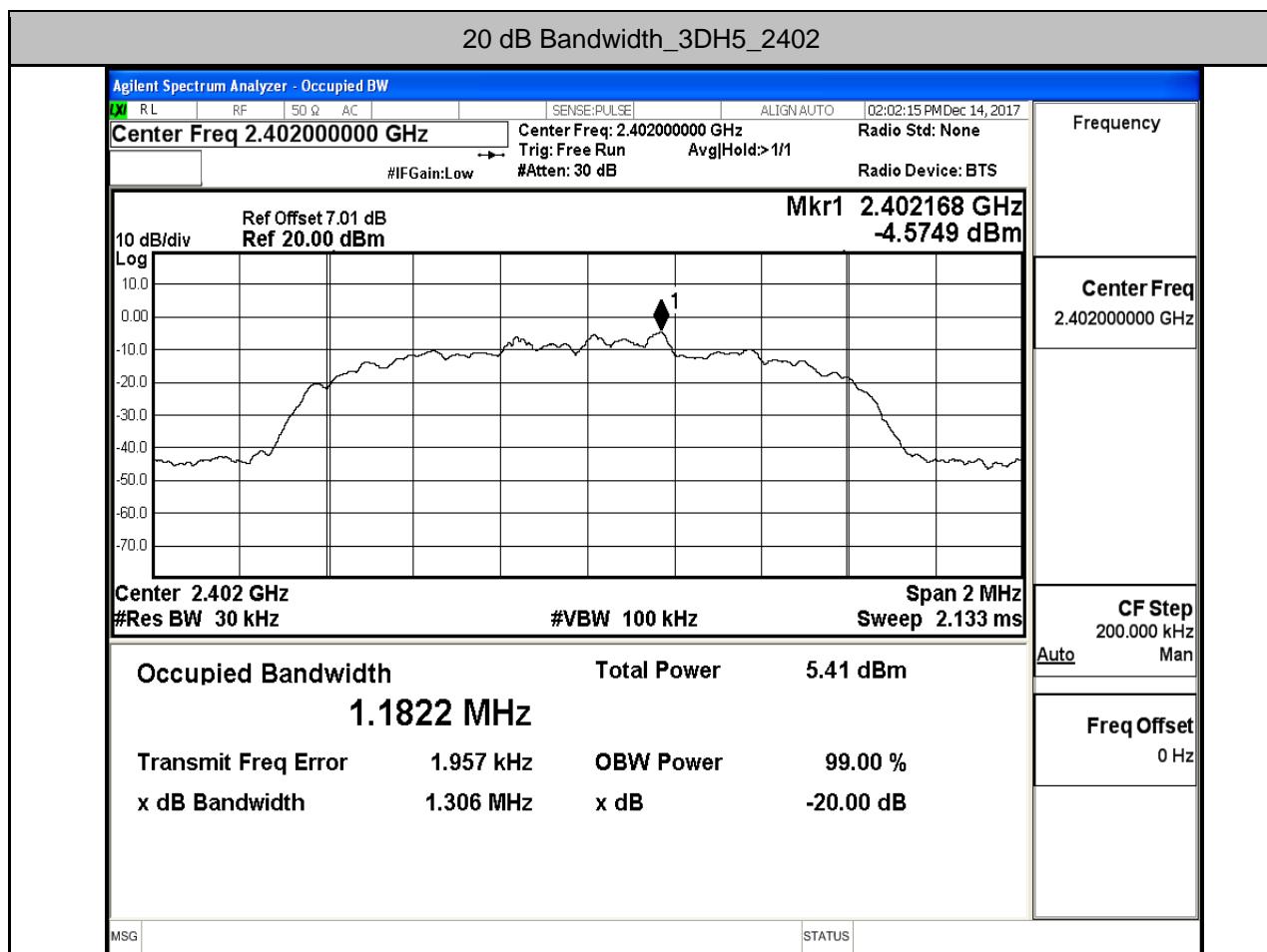
#### 1.20 dB Bandwidth

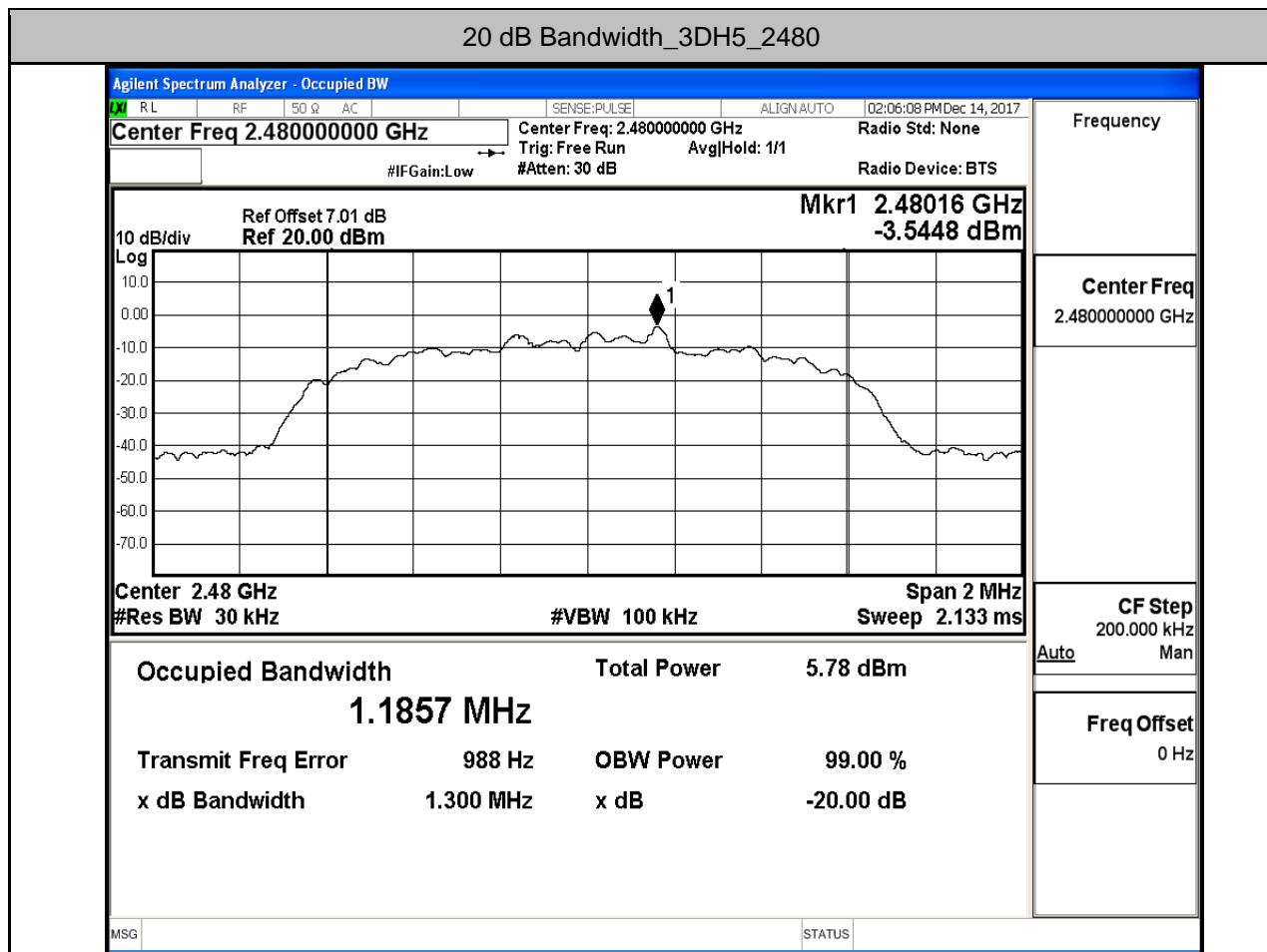
| Test Mode | Test Channel | EBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|----------|------------|---------|
| DH5       | 2402         | 1.034    | ---        | PASS    |
| DH5       | 2441         | 1.035    | ---        | PASS    |
| DH5       | 2480         | 1.030    | ---        | PASS    |
| 2DH5      | 2402         | 1.289    | ---        | PASS    |
| 2DH5      | 2441         | 1.291    | ---        | PASS    |
| 2DH5      | 2480         | 1.292    | ---        | PASS    |
| 3DH5      | 2402         | 1.306    | ---        | PASS    |
| 3DH5      | 2441         | 1.297    | ---        | PASS    |
| 3DH5      | 2480         | 1.300    | ---        | PASS    |







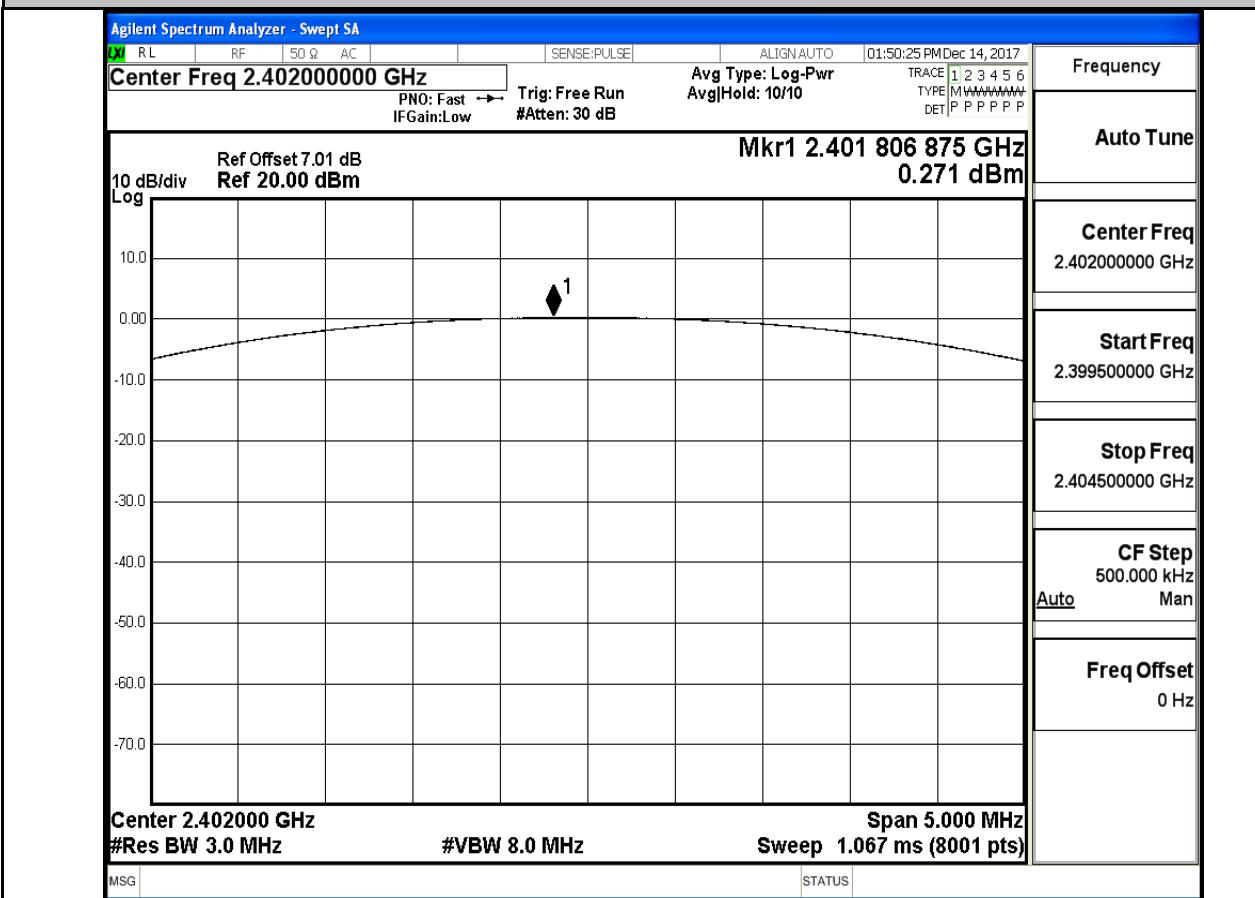




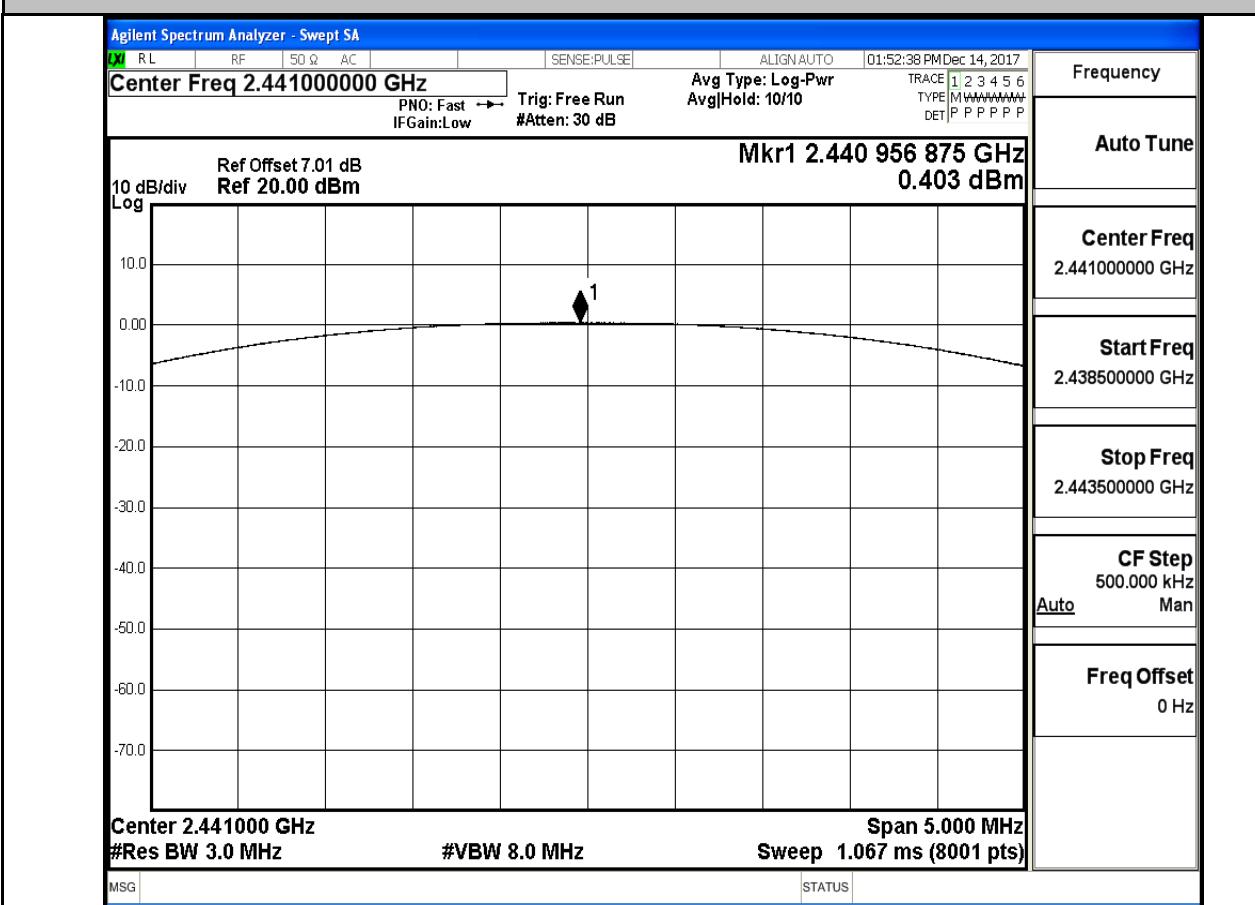
**2.Conducted Peak Output Power**

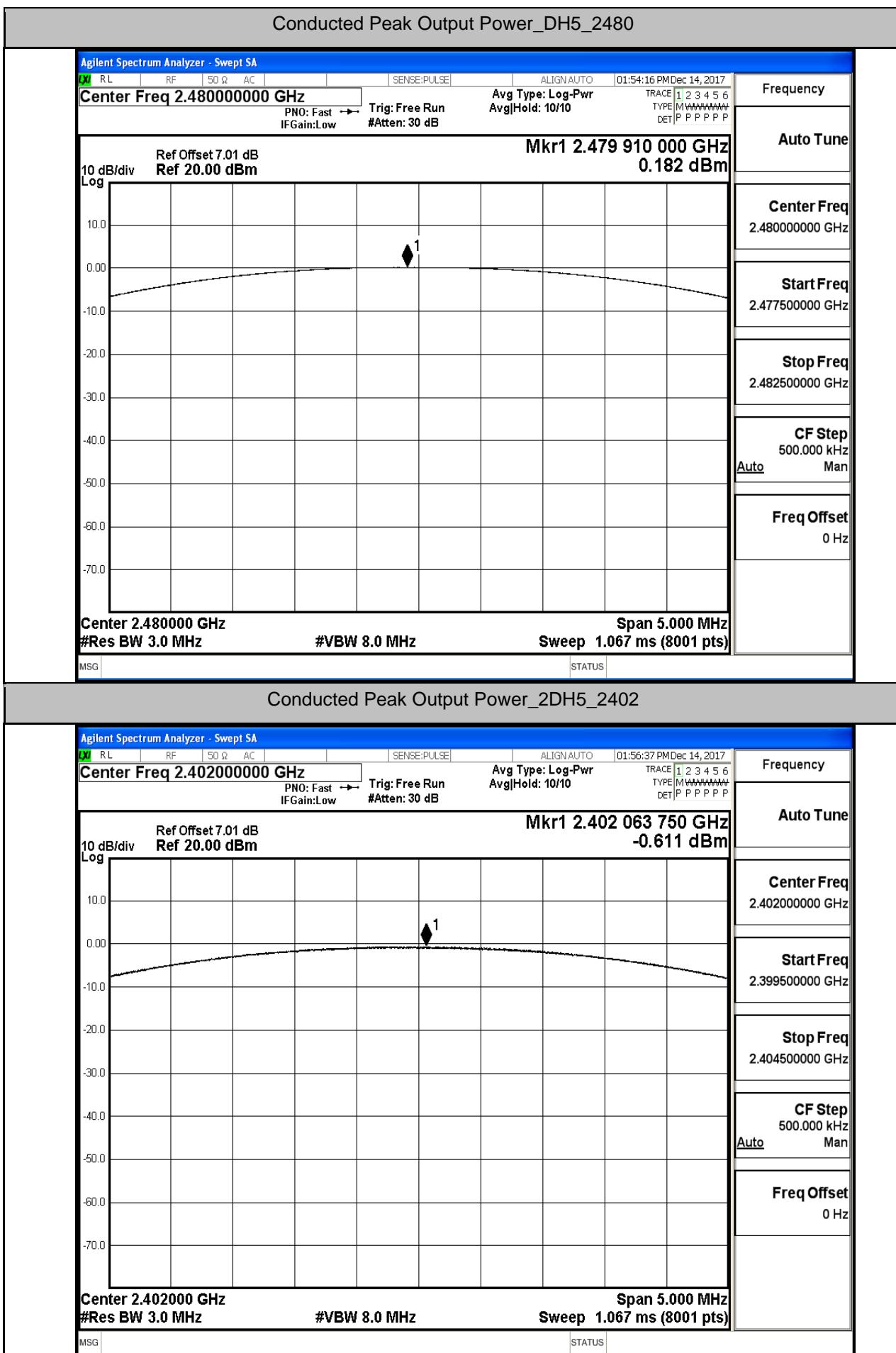
| Test Mode | Test Channel | Power[dBm] | Limit[dBm] | Verdict |
|-----------|--------------|------------|------------|---------|
| DH5       | 2402         | 0.271      | 21         | PASS    |
| DH5       | 2441         | 0.403      | 21         | PASS    |
| DH5       | 2480         | 0.182      | 21         | PASS    |
| 2DH5      | 2402         | -0.611     | 21         | PASS    |
| 2DH5      | 2441         | -0.424     | 21         | PASS    |
| 2DH5      | 2480         | -0.562     | 21         | PASS    |
| 3DH5      | 2402         | -0.476     | 21         | PASS    |
| 3DH5      | 2441         | -0.231     | 21         | PASS    |
| 3DH5      | 2480         | -0.392     | 21         | PASS    |

## Conducted Peak Output Power\_DH5\_2402

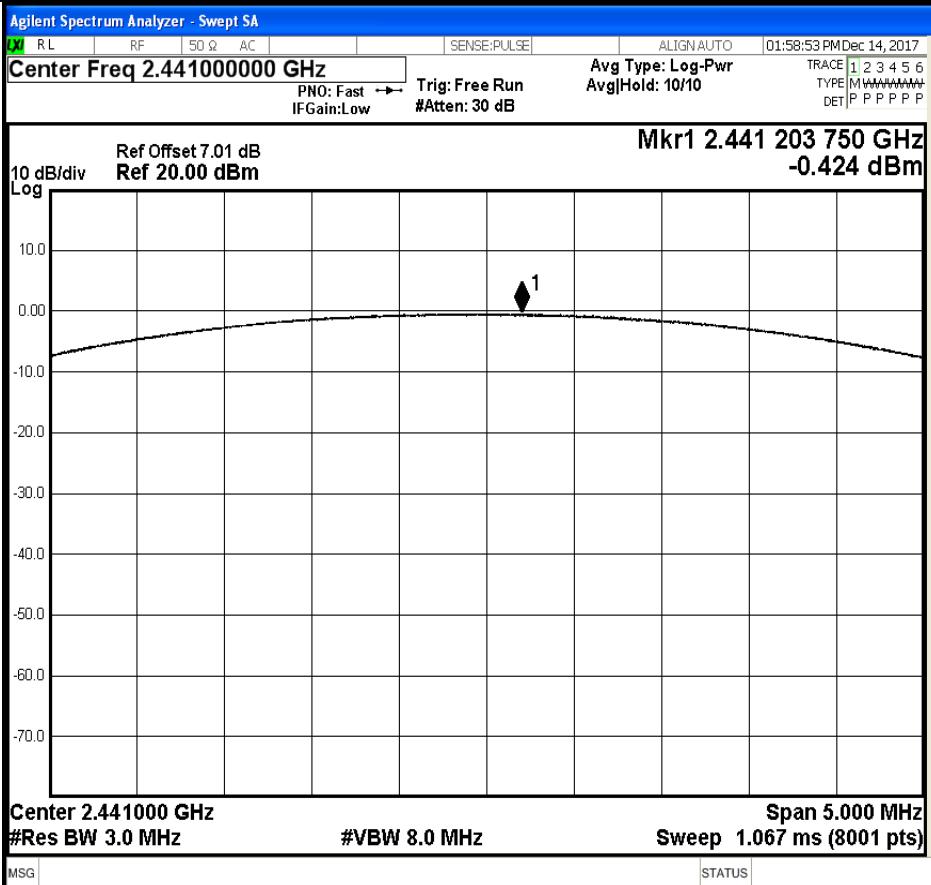


## Conducted Peak Output Power\_DH5\_2441



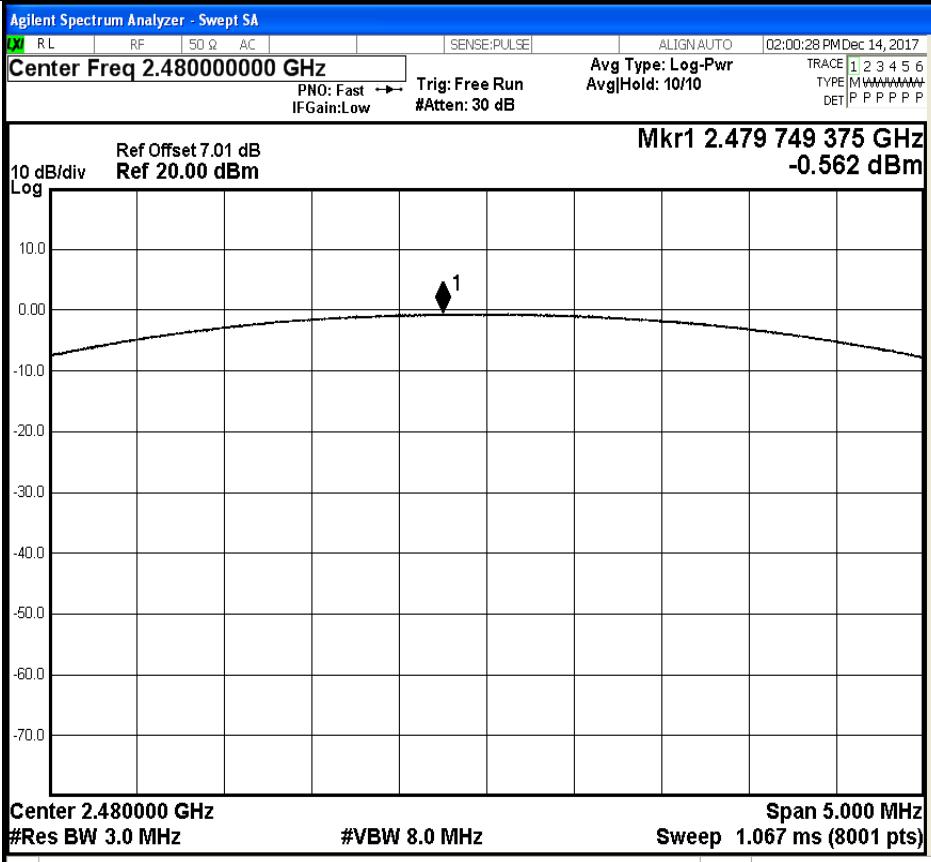


## Conducted Peak Output Power\_2DH5\_2441



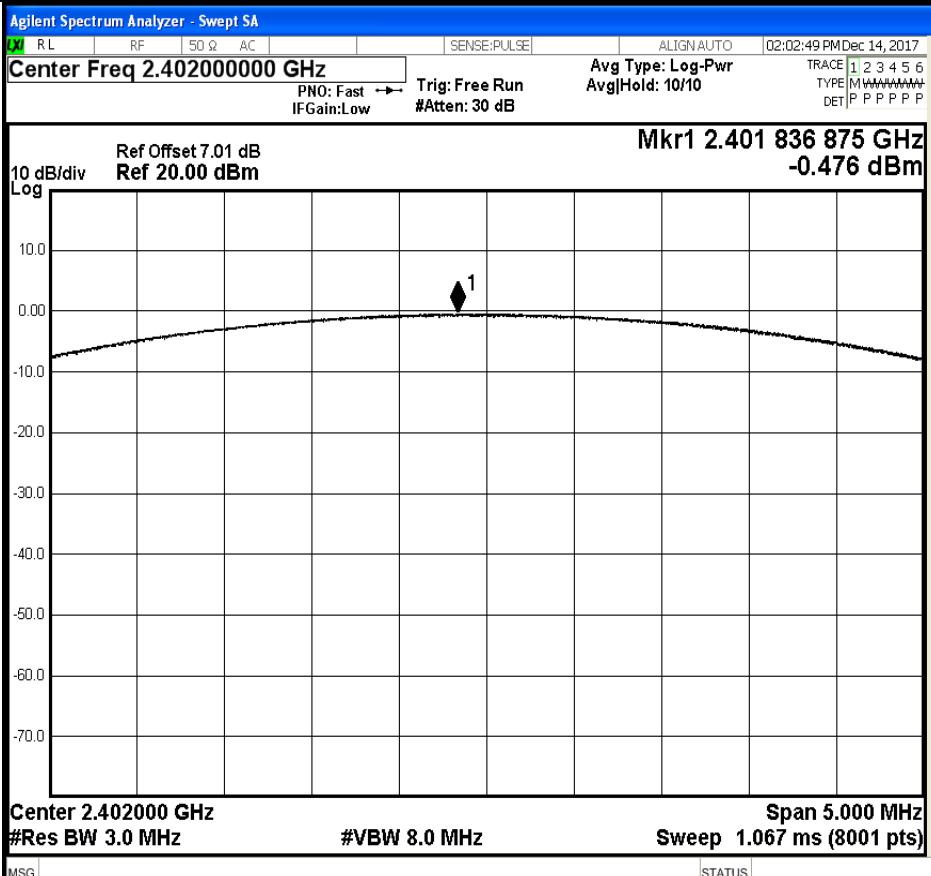
|                                |
|--------------------------------|
| Frequency                      |
| Auto Tune                      |
| Center Freq<br>2.441000000 GHz |
| Start Freq<br>2.438500000 GHz  |
| Stop Freq<br>2.443500000 GHz   |
| CF Step<br>500.000 kHz<br>Auto |
| Freq Offset<br>0 Hz            |

## Conducted Peak Output Power\_2DH5\_2480

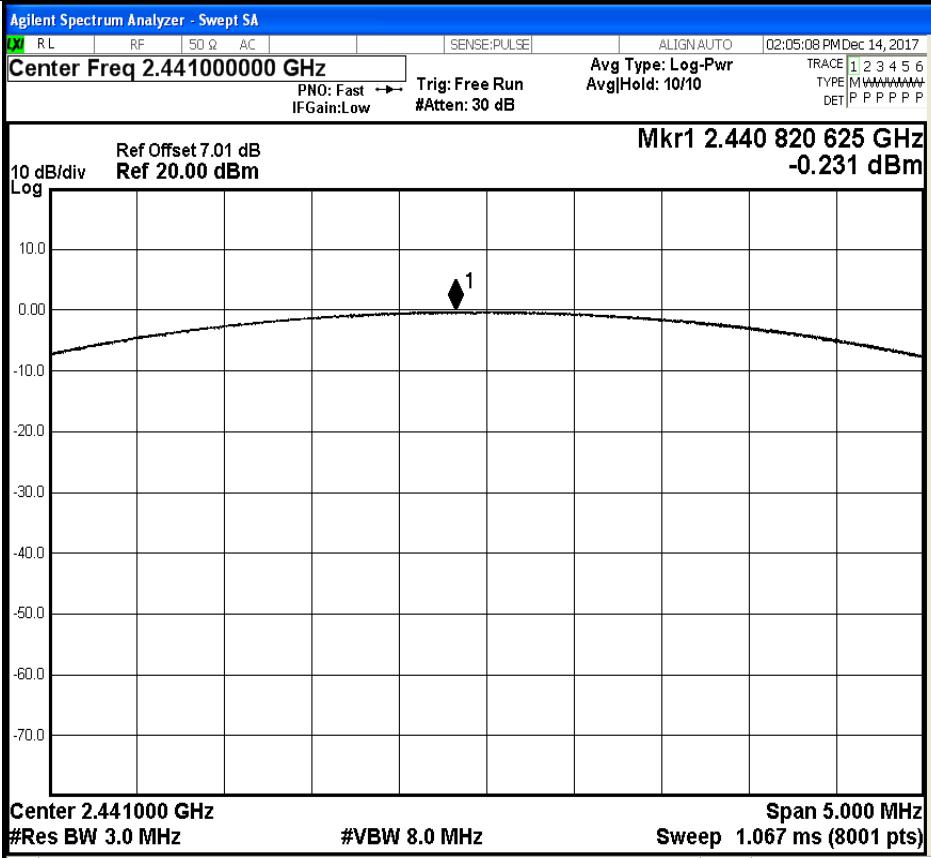


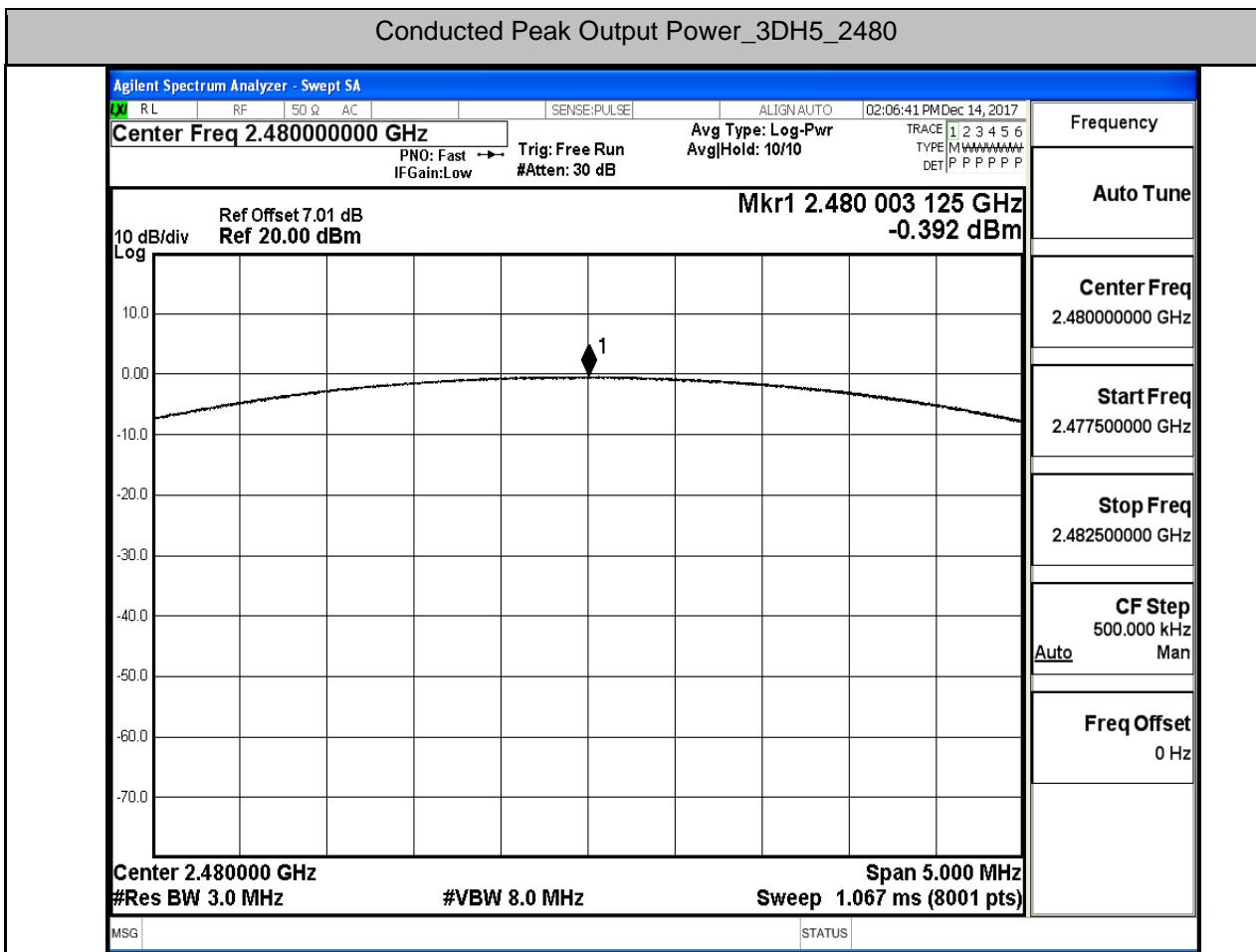
|                                |
|--------------------------------|
| Frequency                      |
| Auto Tune                      |
| Center Freq<br>2.480000000 GHz |
| Start Freq<br>2.477500000 GHz  |
| Stop Freq<br>2.482500000 GHz   |
| CF Step<br>500.000 kHz<br>Auto |
| Freq Offset<br>0 Hz            |

## Conducted Peak Output Power\_3DH5\_2402



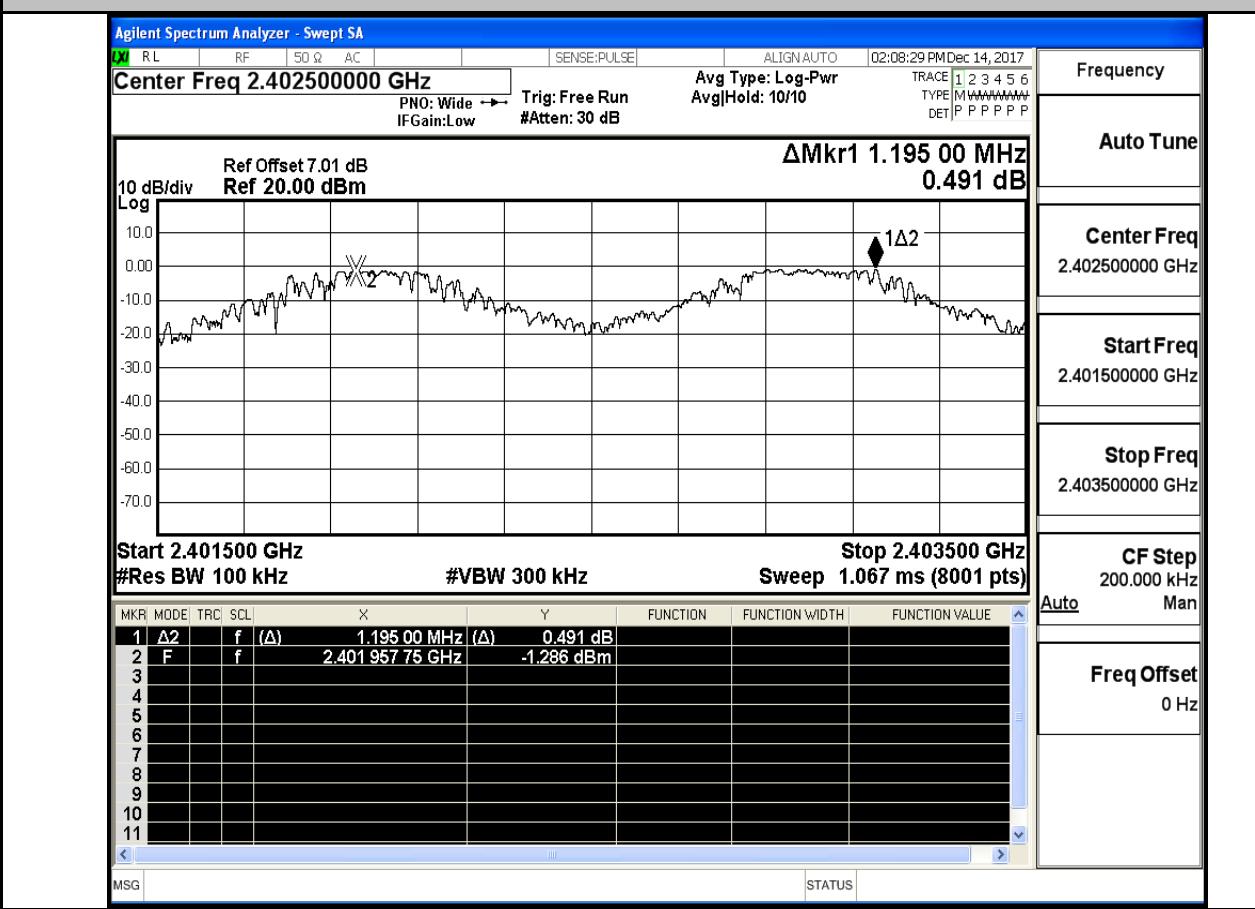
## Conducted Peak Output Power\_3DH5\_2441





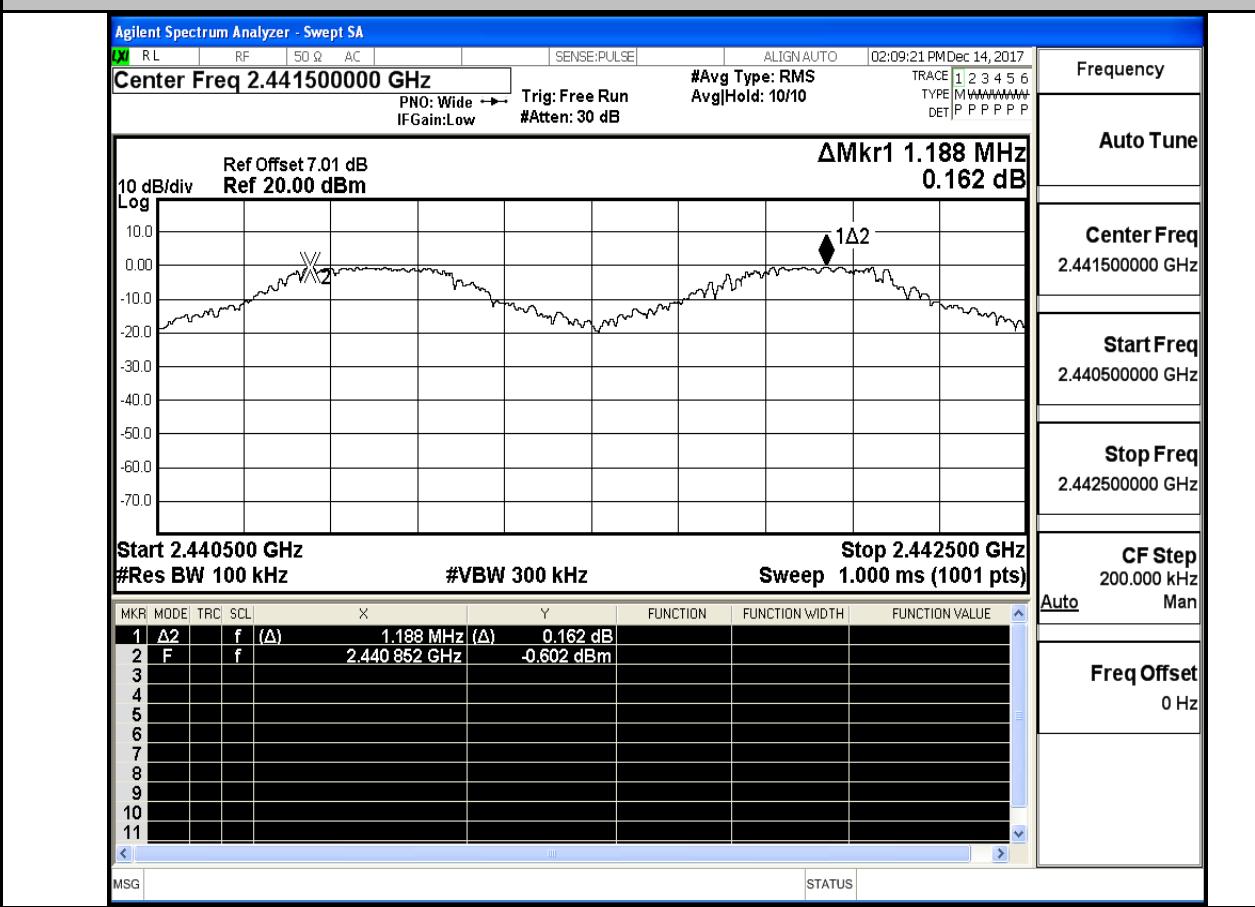
**3.Carrier Frequency Separation**

| Test Mode | Test Channel | Result[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|-------------|------------|---------|
| DH5       | 2402         | 1.195       | 0.69       | PASS    |
| DH5       | 2441         | 1.188       | 0.69       | PASS    |
| DH5       | 2480         | 0.968       | 0.69       | PASS    |
| 2DH5      | 2402         | 1.006       | 0.86       | PASS    |
| 2DH5      | 2441         | 1.122       | 0.86       | PASS    |
| 2DH5      | 2480         | 0.992       | 0.86       | PASS    |
| 3DH5      | 2402         | 0.912       | 0.87       | PASS    |
| 3DH5      | 2441         | 1.122       | 0.86       | PASS    |
| 3DH5      | 2480         | 1.314       | 0.87       | PASS    |

**Carrier Frequency Separation\_DH5\_2402**


Frequency

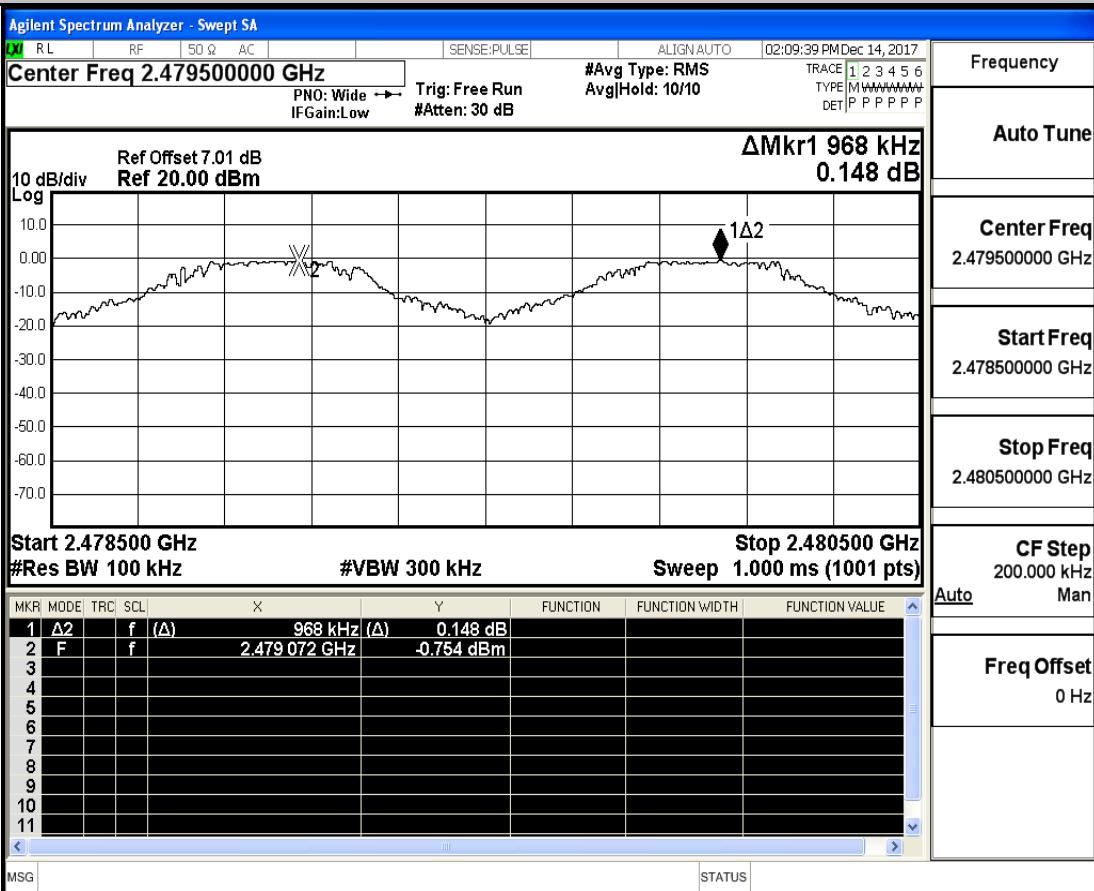
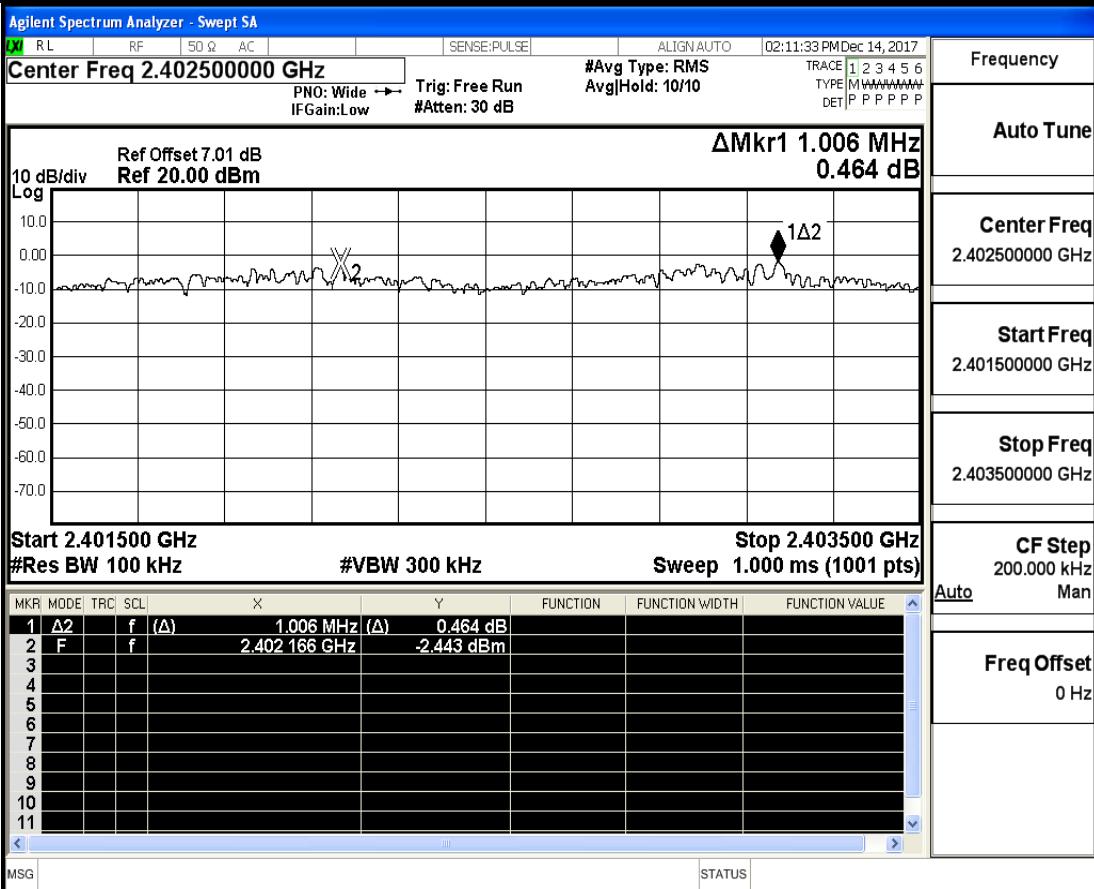
Auto Tune

Center Freq  
2.402500000 GHzStart Freq  
2.401500000 GHzStop Freq  
2.403500000 GHzCF Step  
200.000 kHz  
AutoFreq Offset  
0 Hz
**Carrier Frequency Separation\_DH5\_2441**


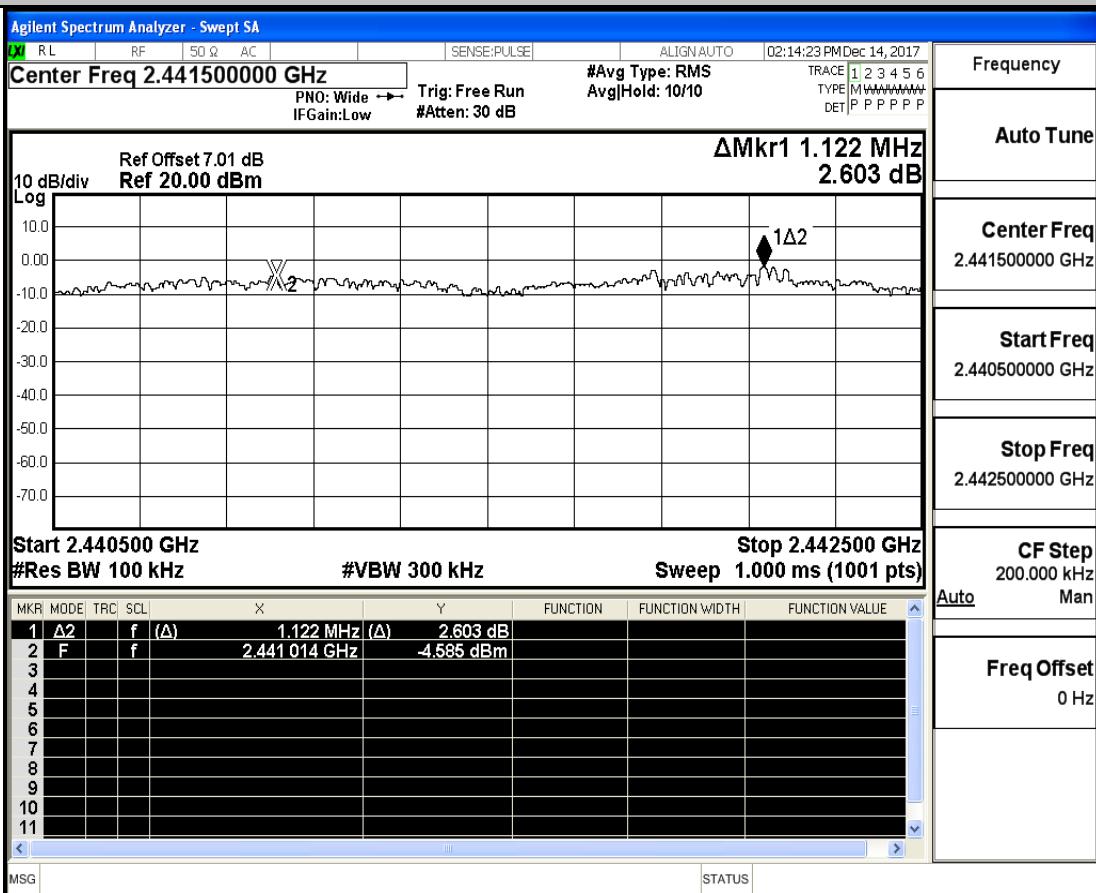
Frequency

Auto Tune

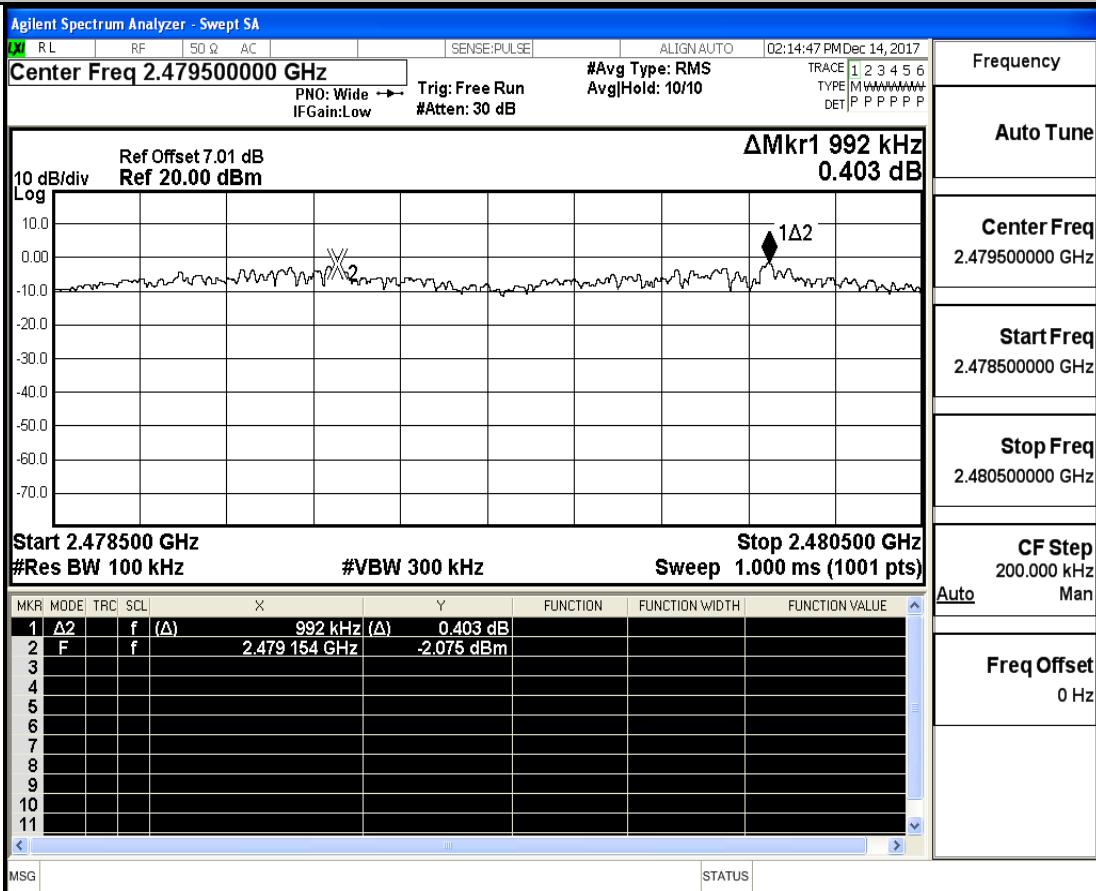
Center Freq  
2.441500000 GHzStart Freq  
2.440500000 GHzStop Freq  
2.442500000 GHzCF Step  
200.000 kHz  
AutoFreq Offset  
0 Hz

**Carrier Frequency Separation\_DH5\_2480**

**Carrier Frequency Separation\_2DH5\_2402**


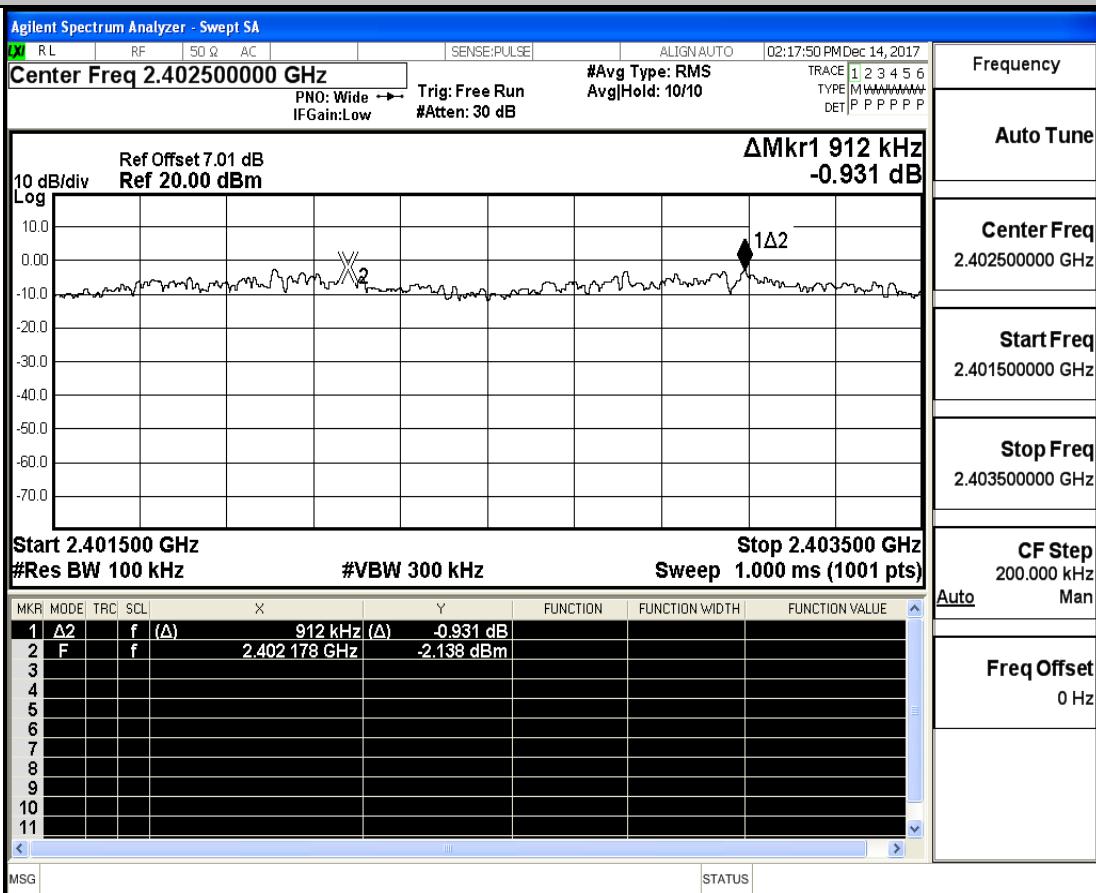
Carrier Frequency Separation\_2DH5\_2441



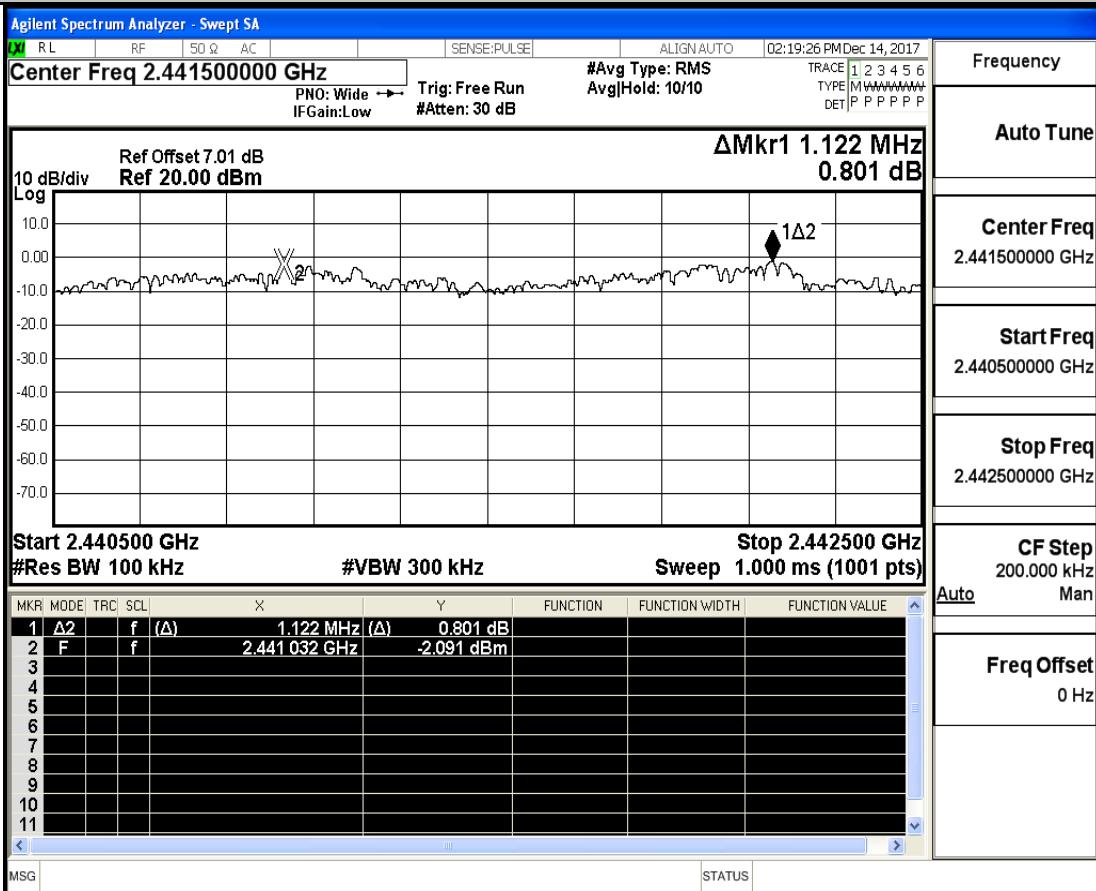
Carrier Frequency Separation\_2DH5\_2480

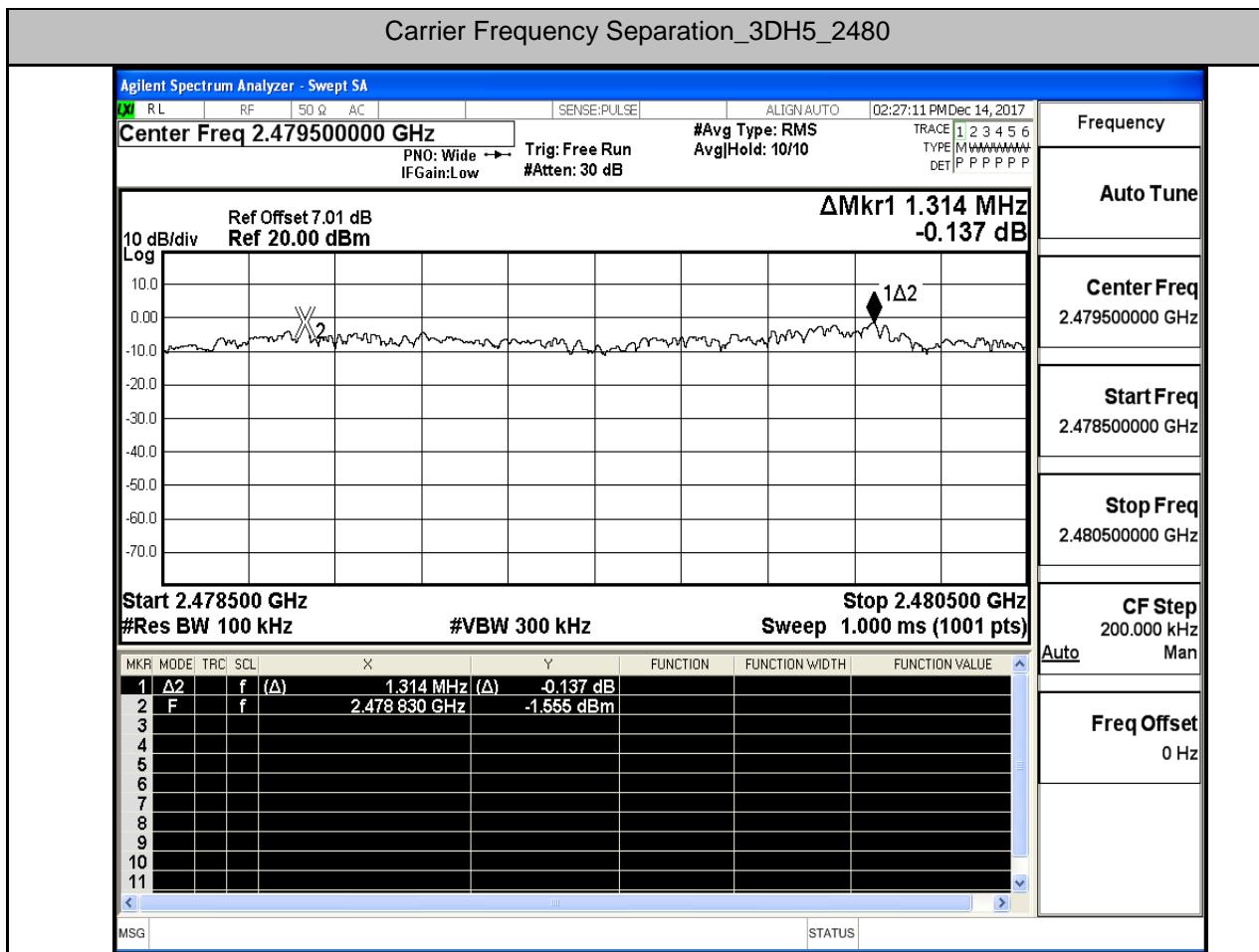


Carrier Frequency Separation\_3DH5\_2402



Carrier Frequency Separation\_3DH5\_2441

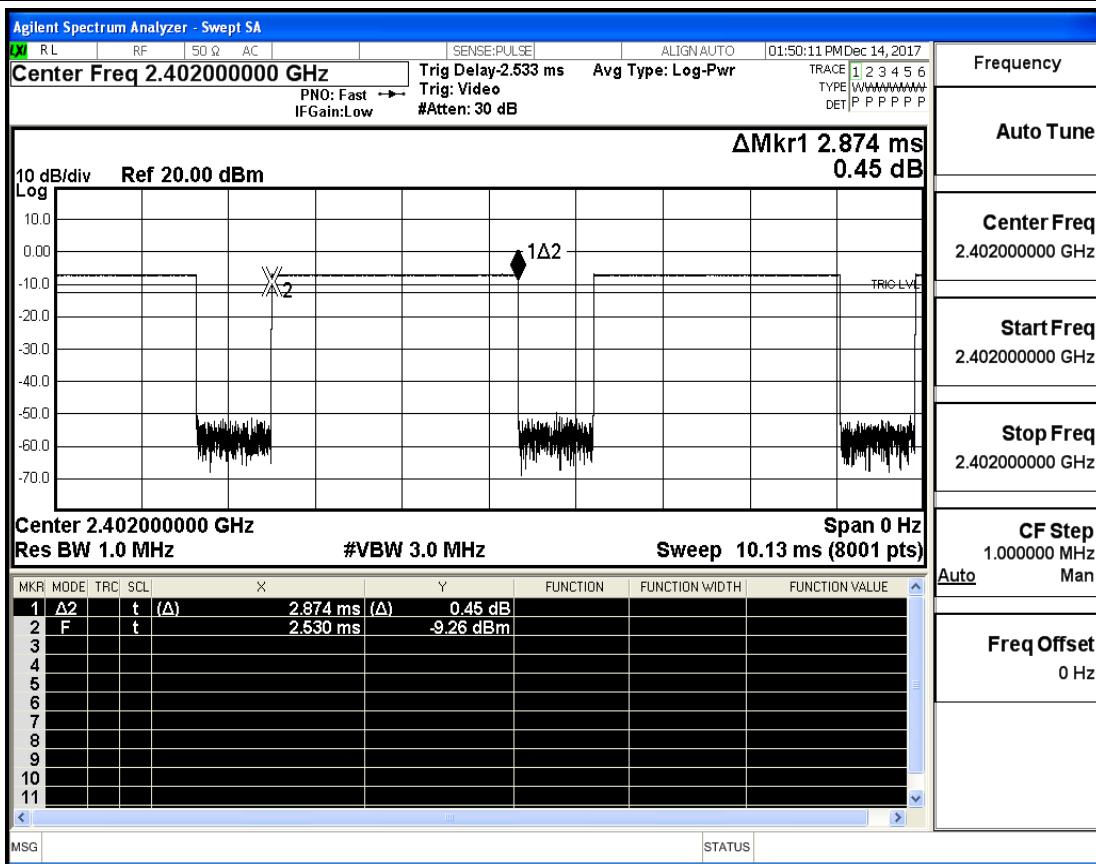




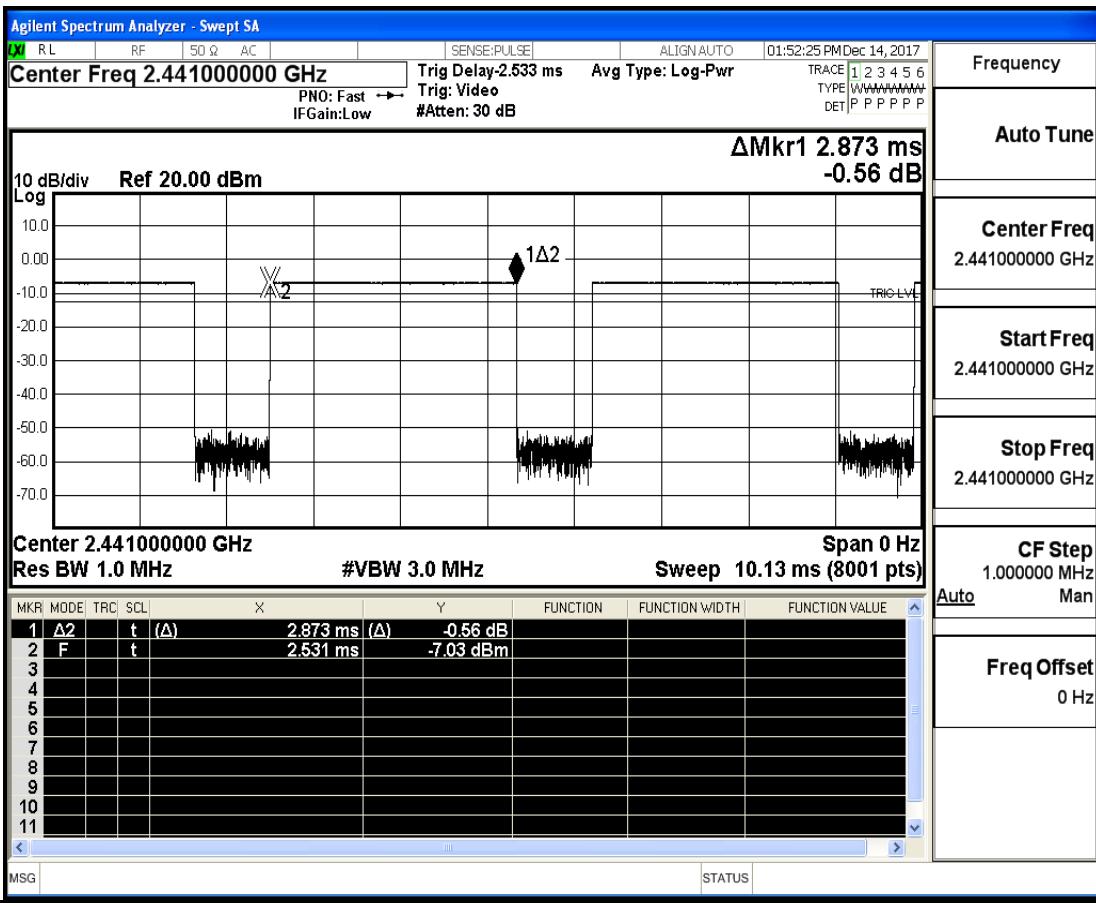
**4.Dwell Time**

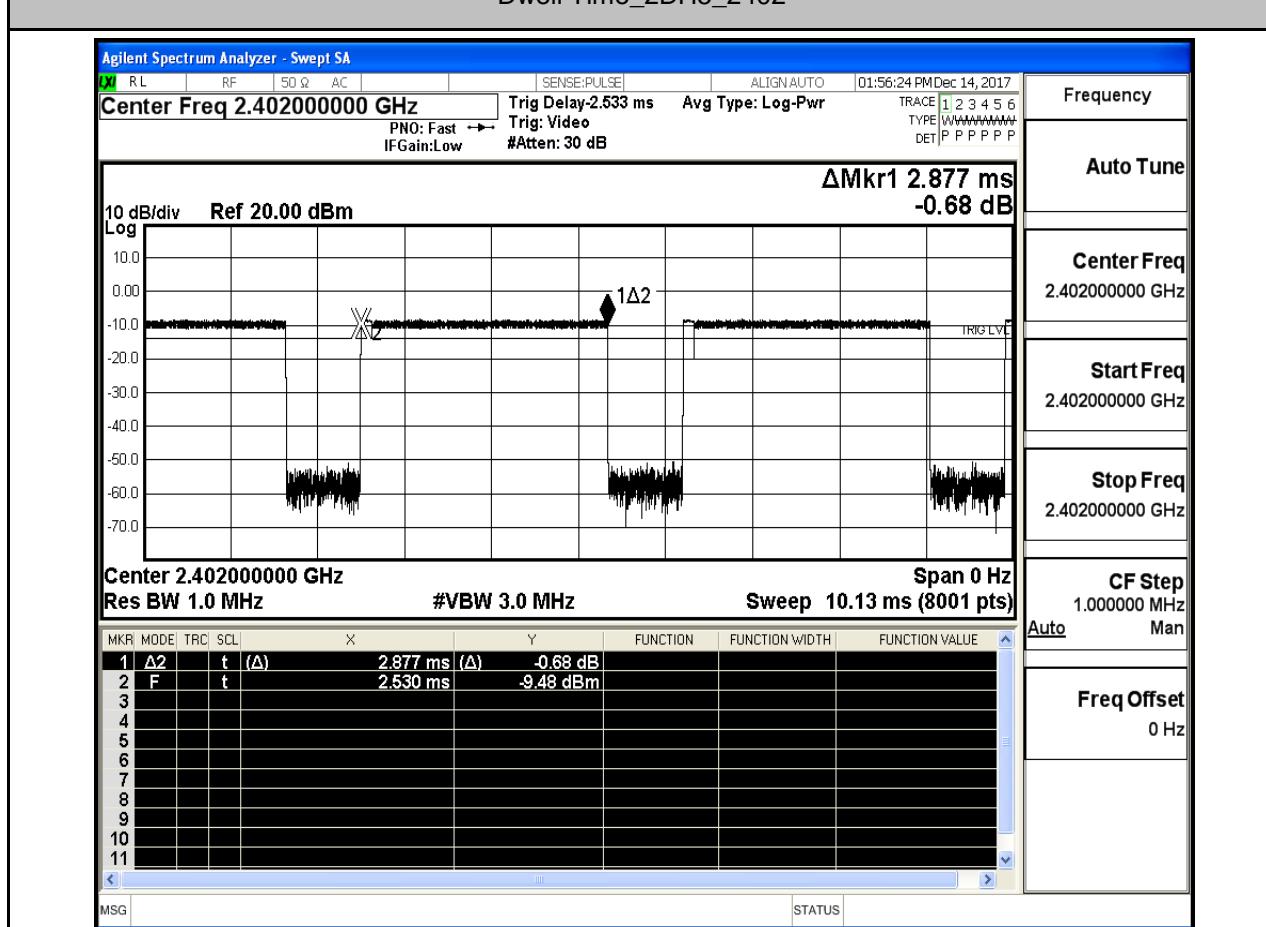
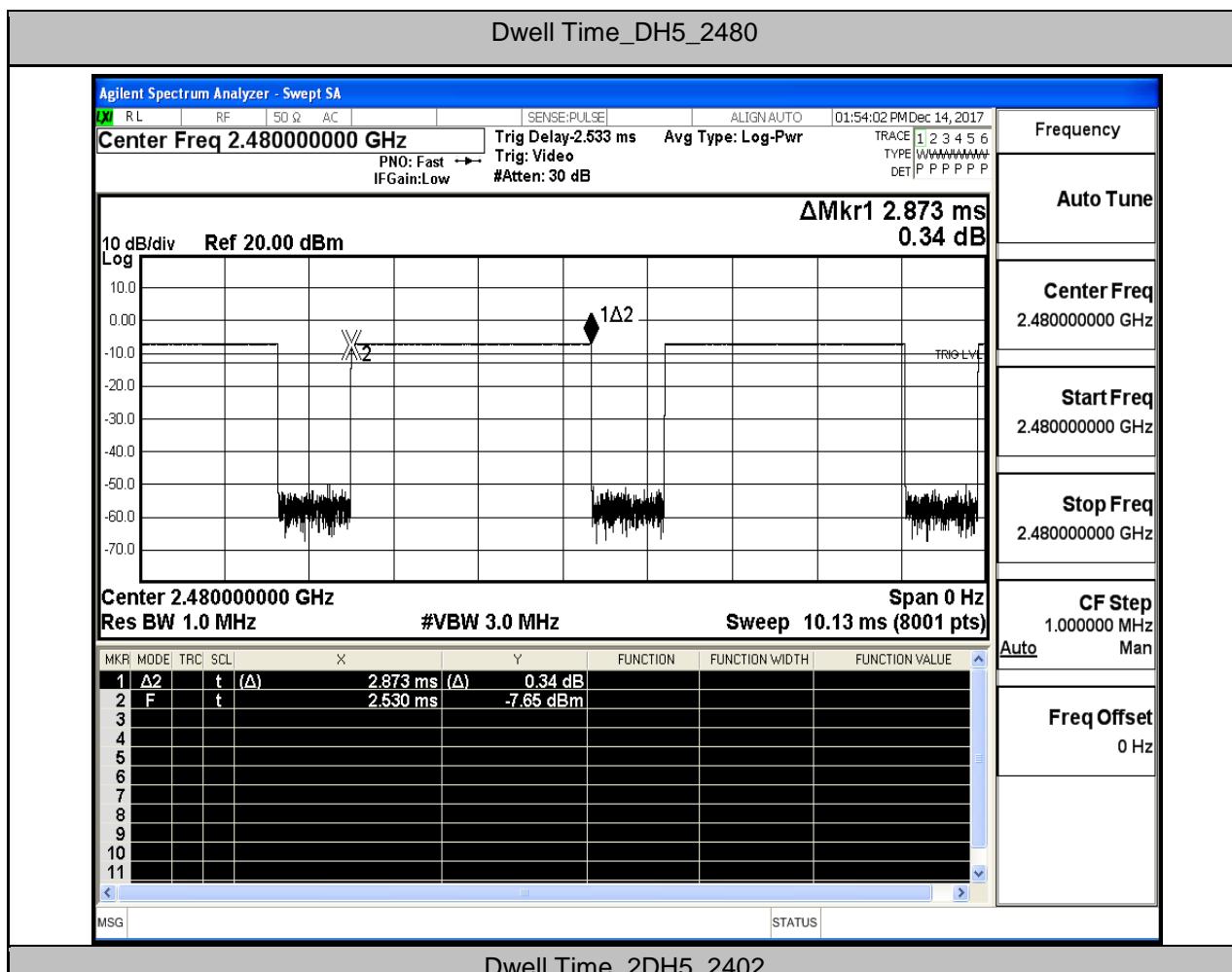
| Test Mode | Test Channel | Burst Width[ms/hop/ch] | Total Hops[hop*ch] | Dwell Time[s] | Limit[s] | Verdict |
|-----------|--------------|------------------------|--------------------|---------------|----------|---------|
| DH5       | 2402         | 2.87                   | 106.7              | 0.306         | 0.4      | PASS    |
| DH5       | 2441         | 2.87                   | 106.7              | 0.306         | 0.4      | PASS    |
| DH5       | 2480         | 2.87                   | 106.7              | 0.306         | 0.4      | PASS    |
| 2DH5      | 2402         | 2.88                   | 106.7              | 0.307         | 0.4      | PASS    |
| 2DH5      | 2441         | 2.88                   | 106.7              | 0.307         | 0.4      | PASS    |
| 2DH5      | 2480         | 2.88                   | 106.7              | 0.307         | 0.4      | PASS    |
| 3DH5      | 2402         | 2.88                   | 106.7              | 0.307         | 0.4      | PASS    |
| 3DH5      | 2441         | 2.88                   | 106.7              | 0.307         | 0.4      | PASS    |
| 3DH5      | 2480         | 2.88                   | 106.7              | 0.307         | 0.4      | PASS    |

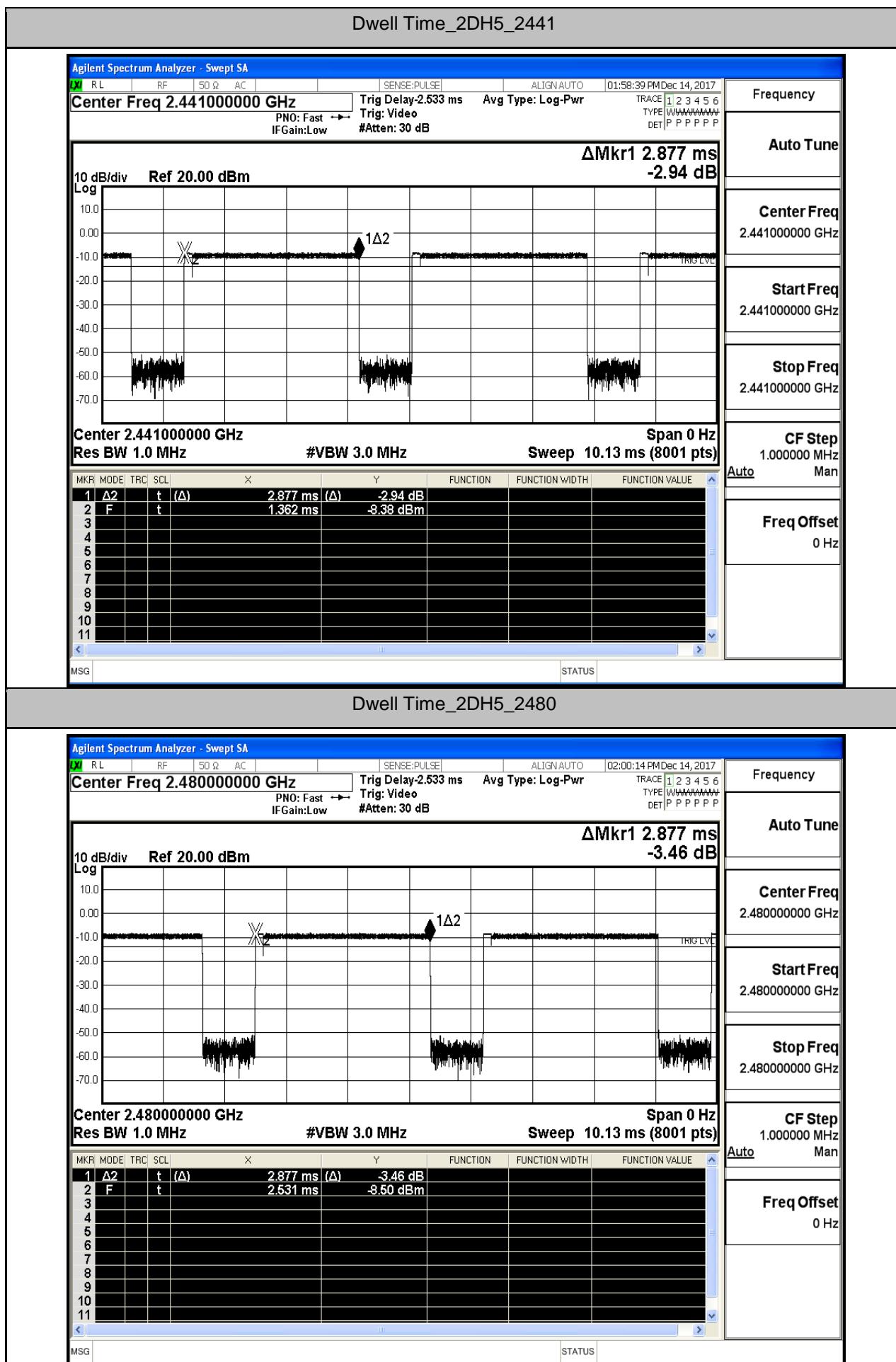
## Dwell Time\_DH5\_2402

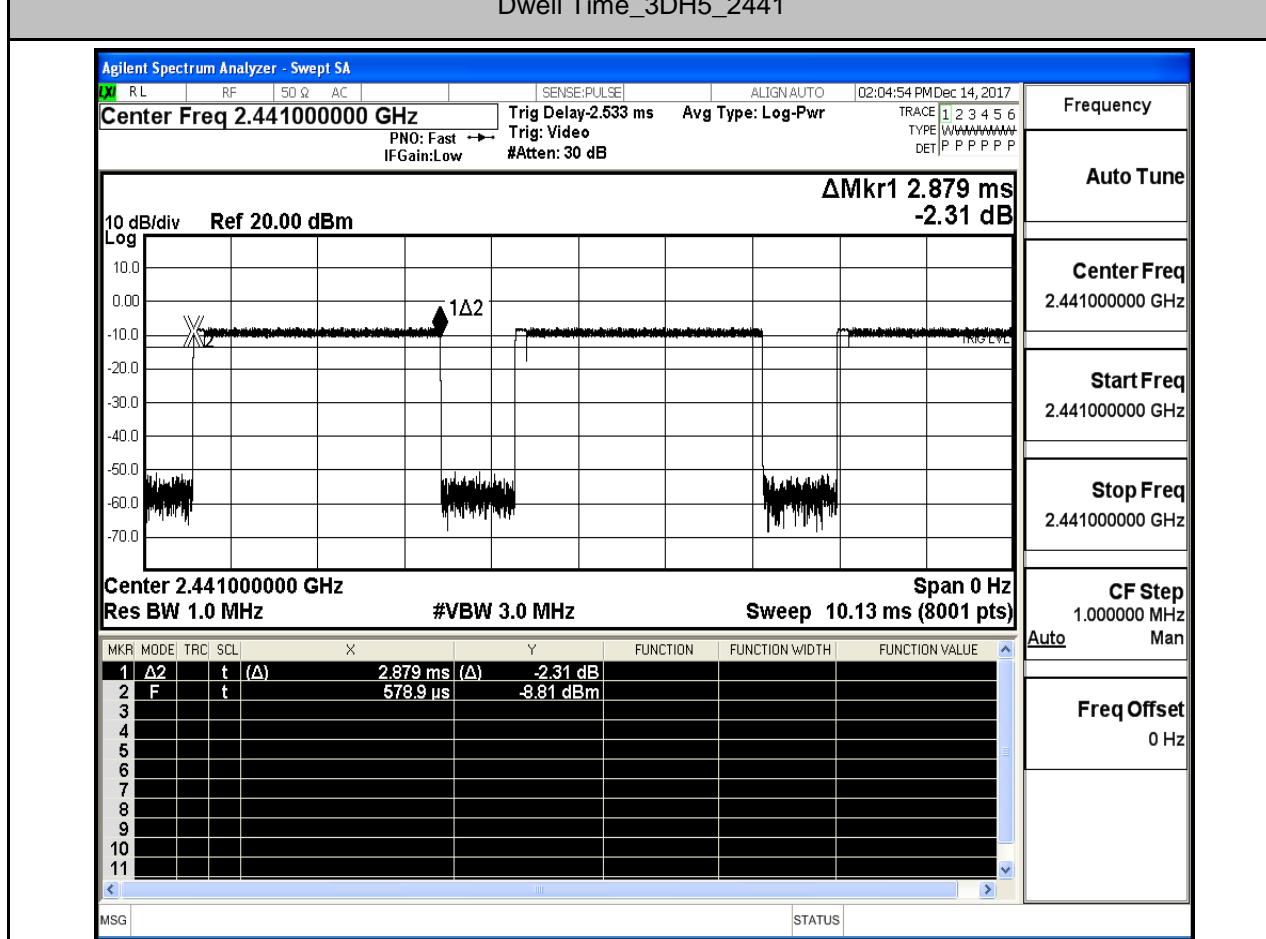
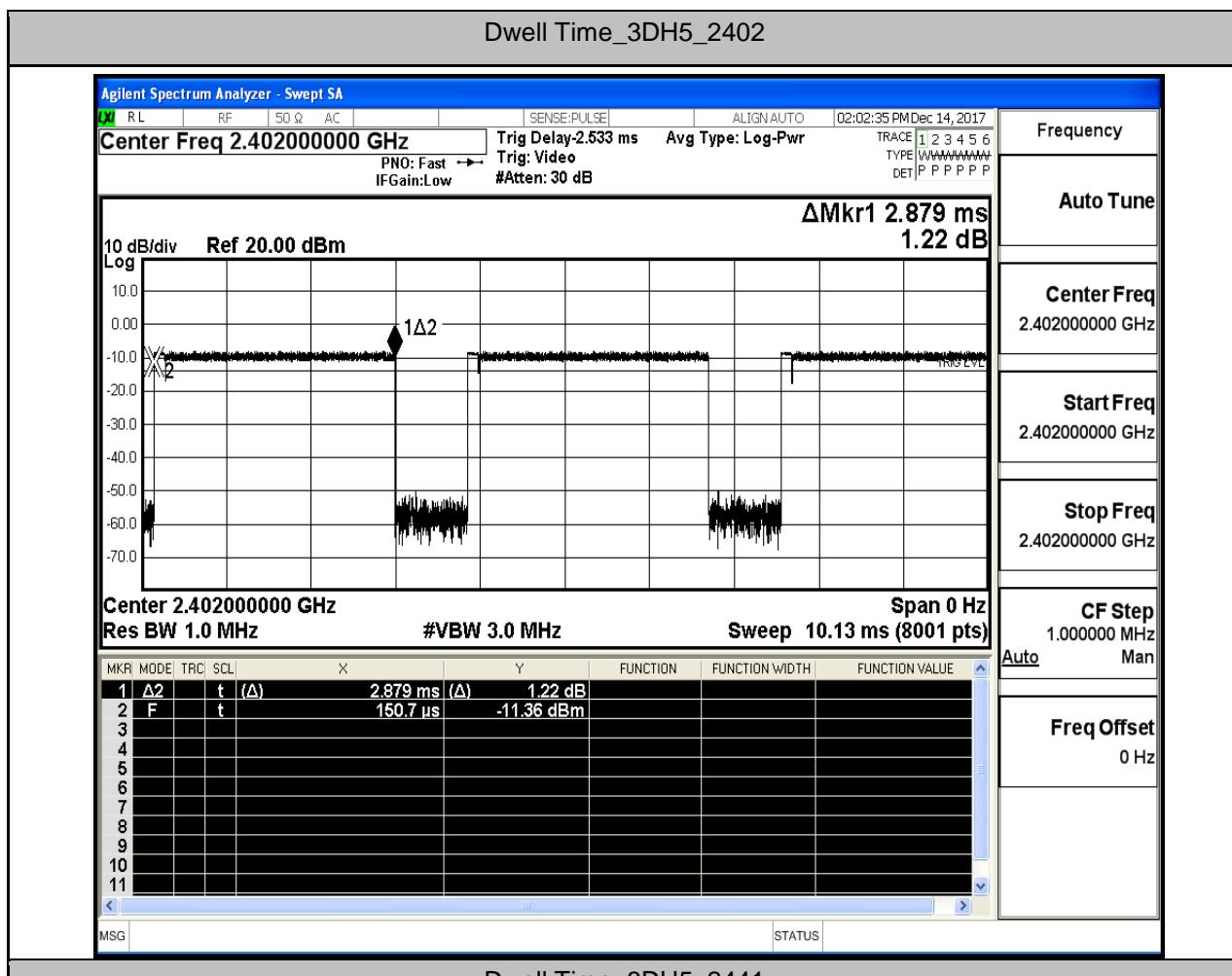


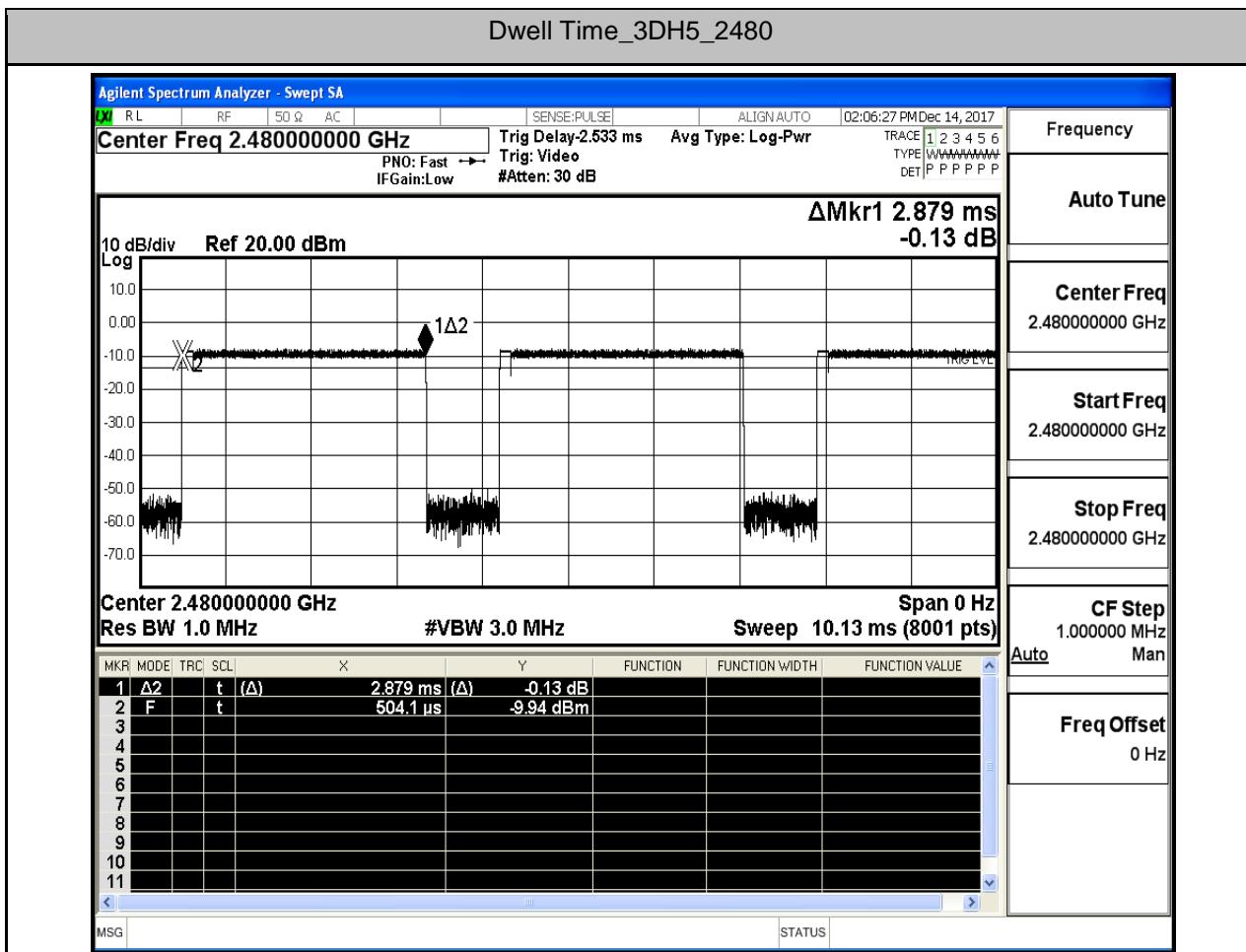
## Dwell Time\_DH5\_2441





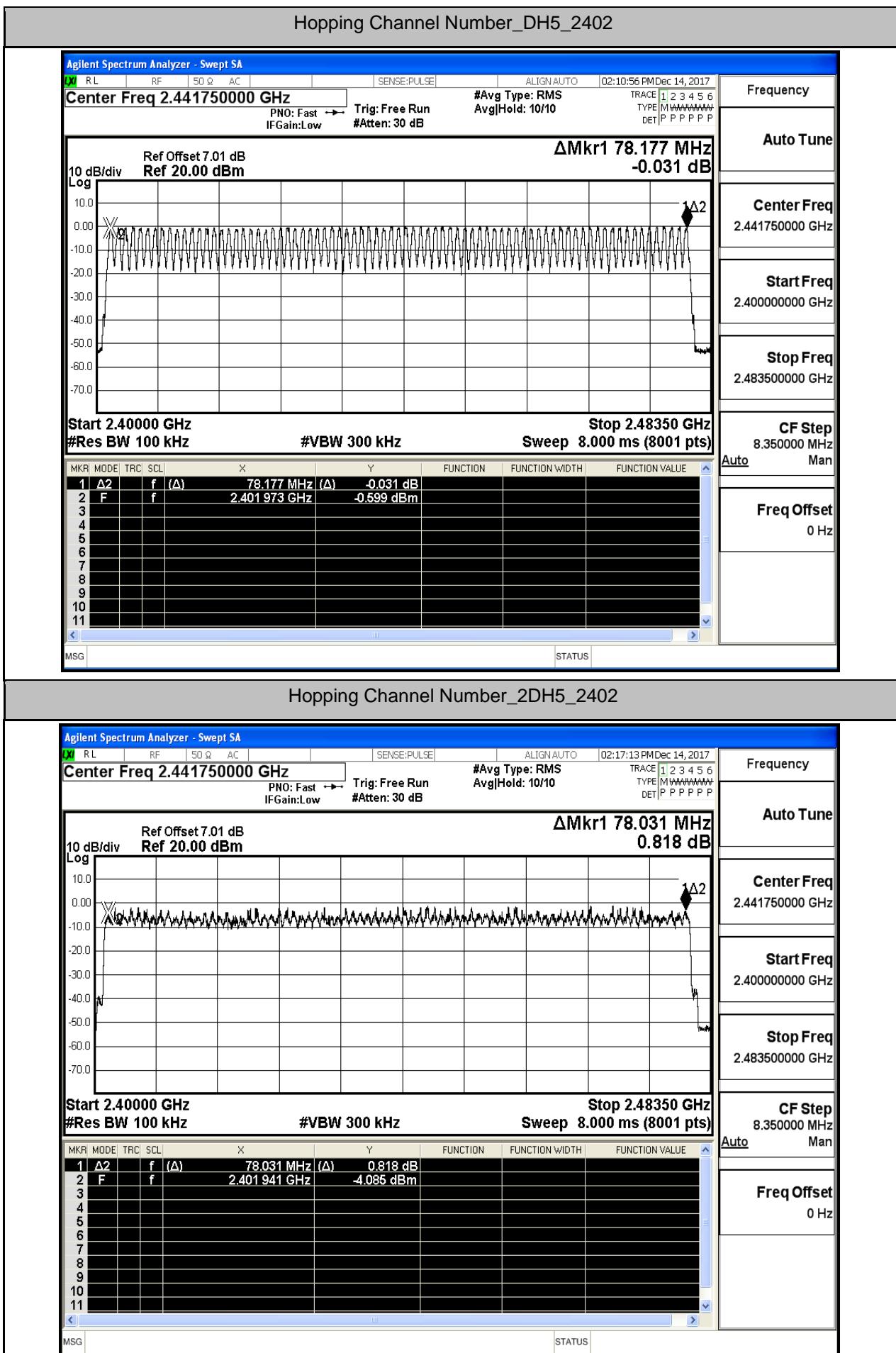




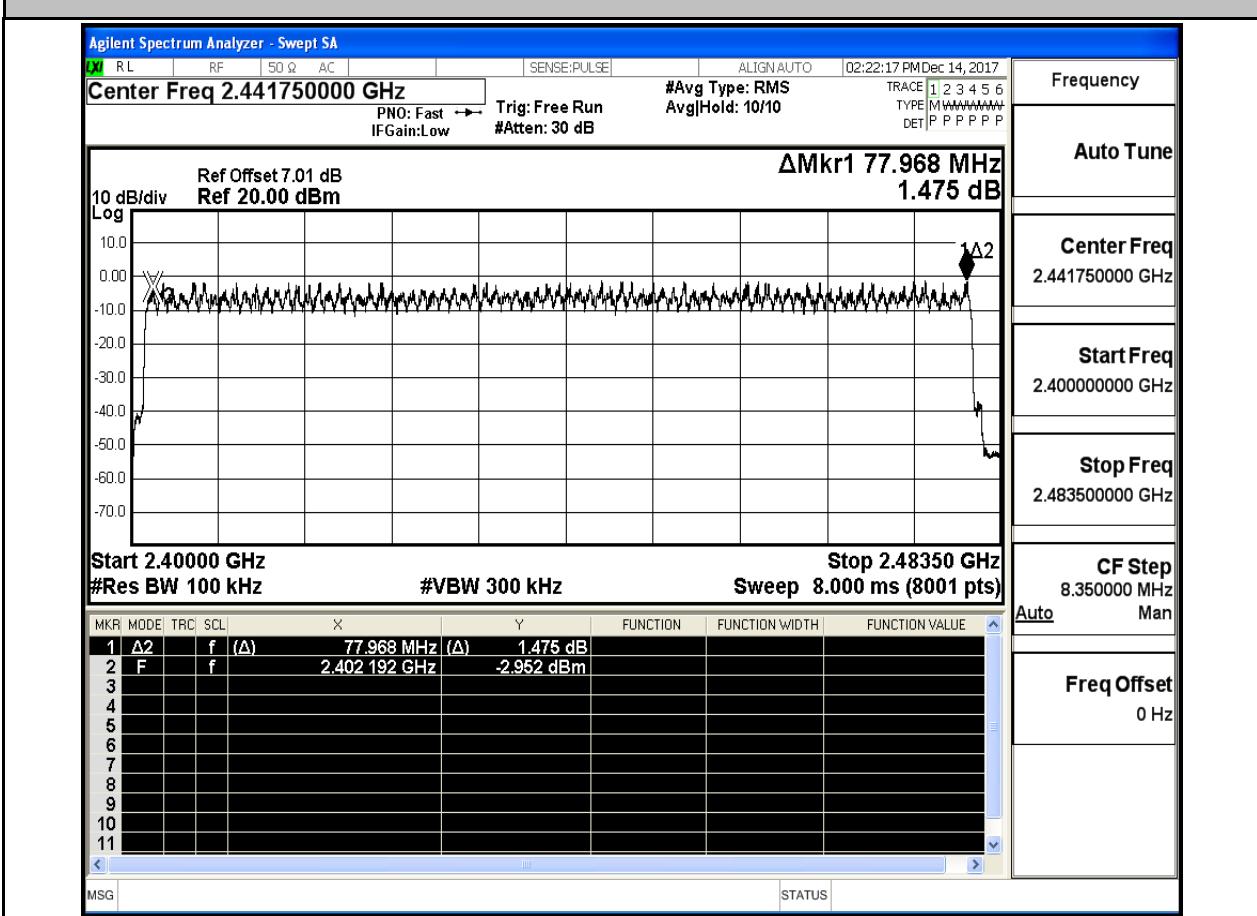


**5.Hopping Channel Number**

| Test Mode | Test Channel | Number of Hopping Channel[N] | Limit[N]  | Verdict |
|-----------|--------------|------------------------------|-----------|---------|
| DH5       | 2402         | 79                           | $\geq 15$ | PASS    |
| 2DH5      | 2402         | 79                           | $\geq 15$ | PASS    |
| 3DH5      | 2402         | 79                           | $\geq 15$ | PASS    |



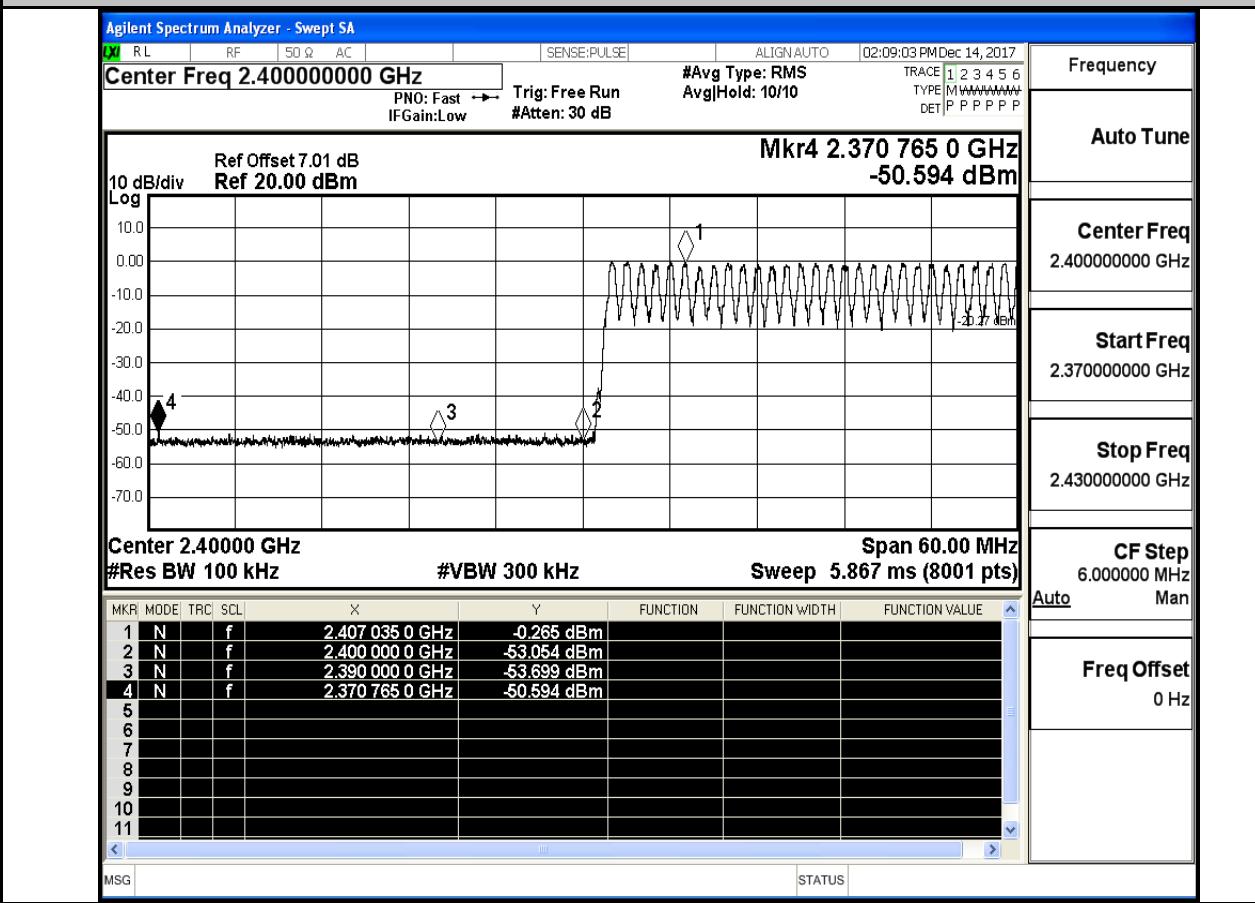
## Hopping Channel Number\_3DH5\_2402



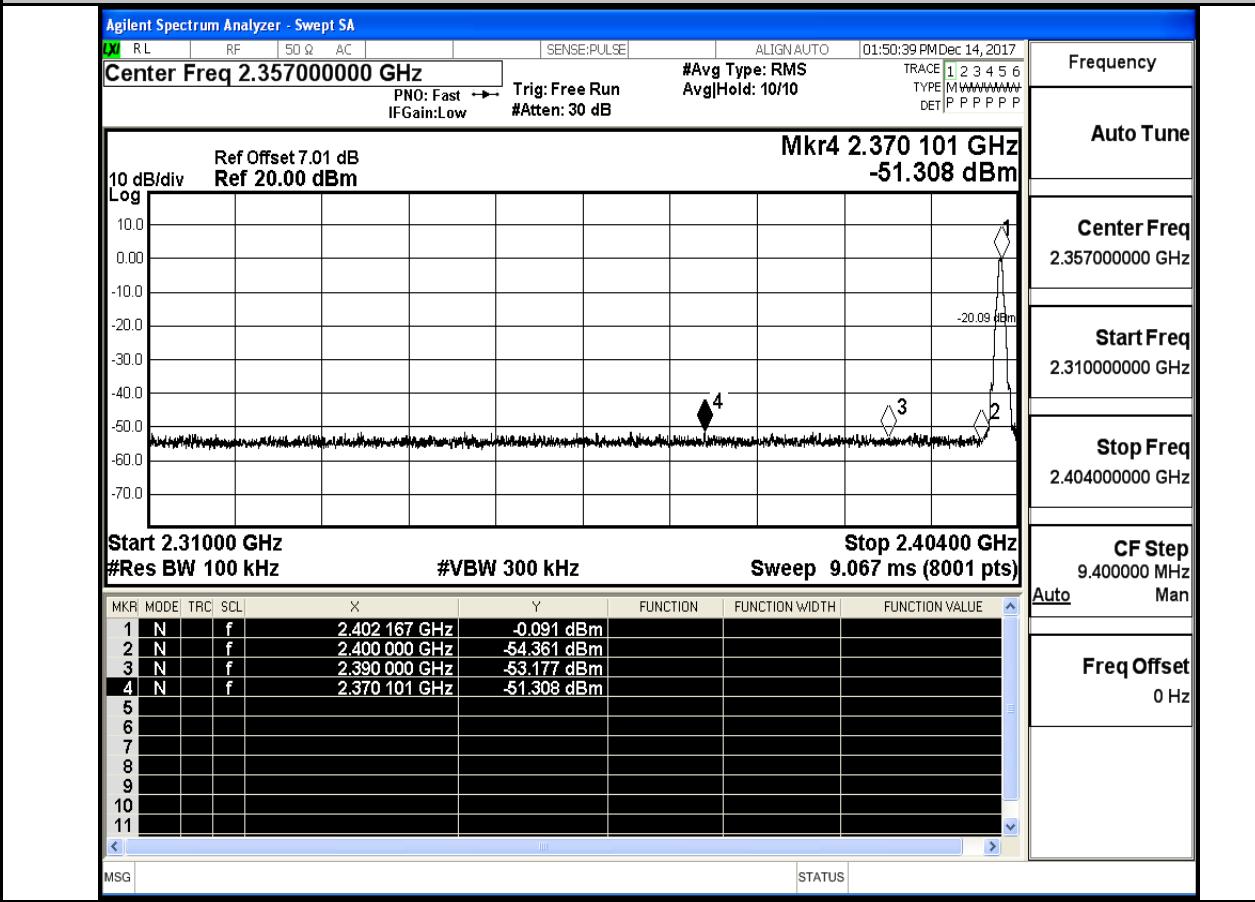
**6.Band-edge for RF Conducted Emissions**

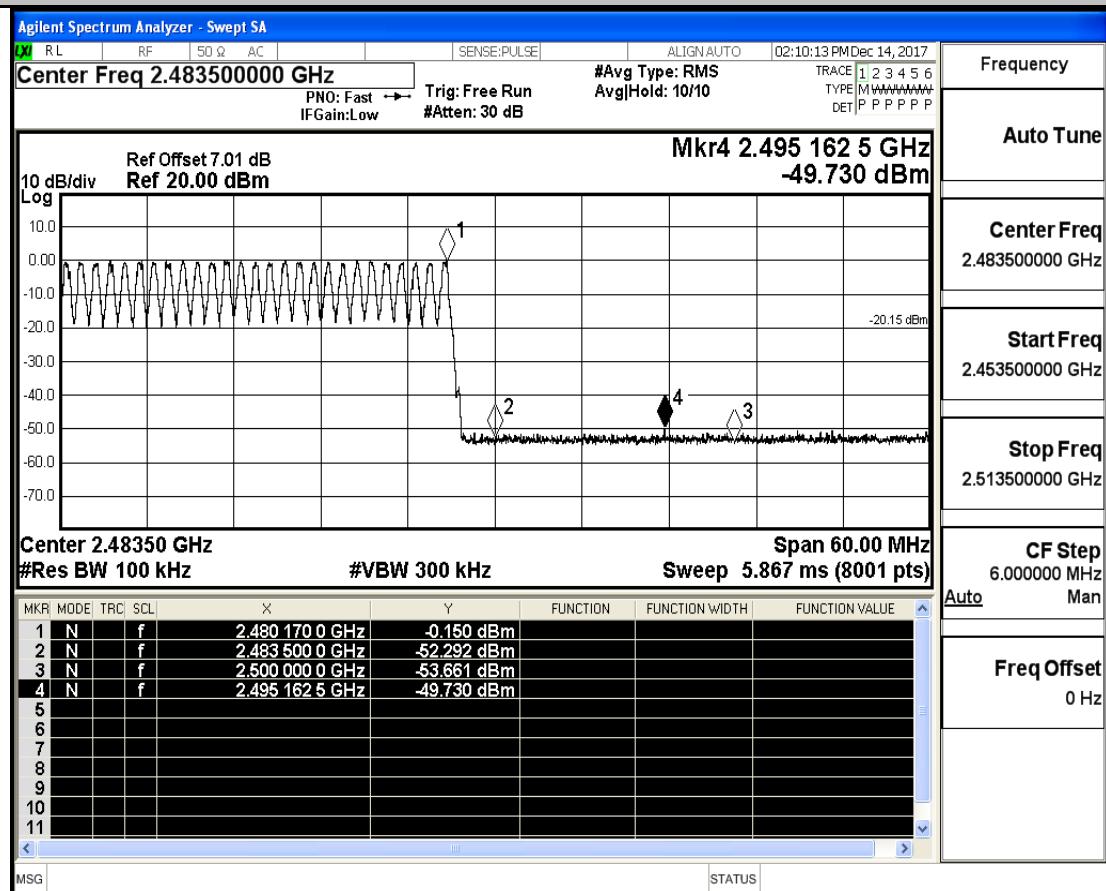
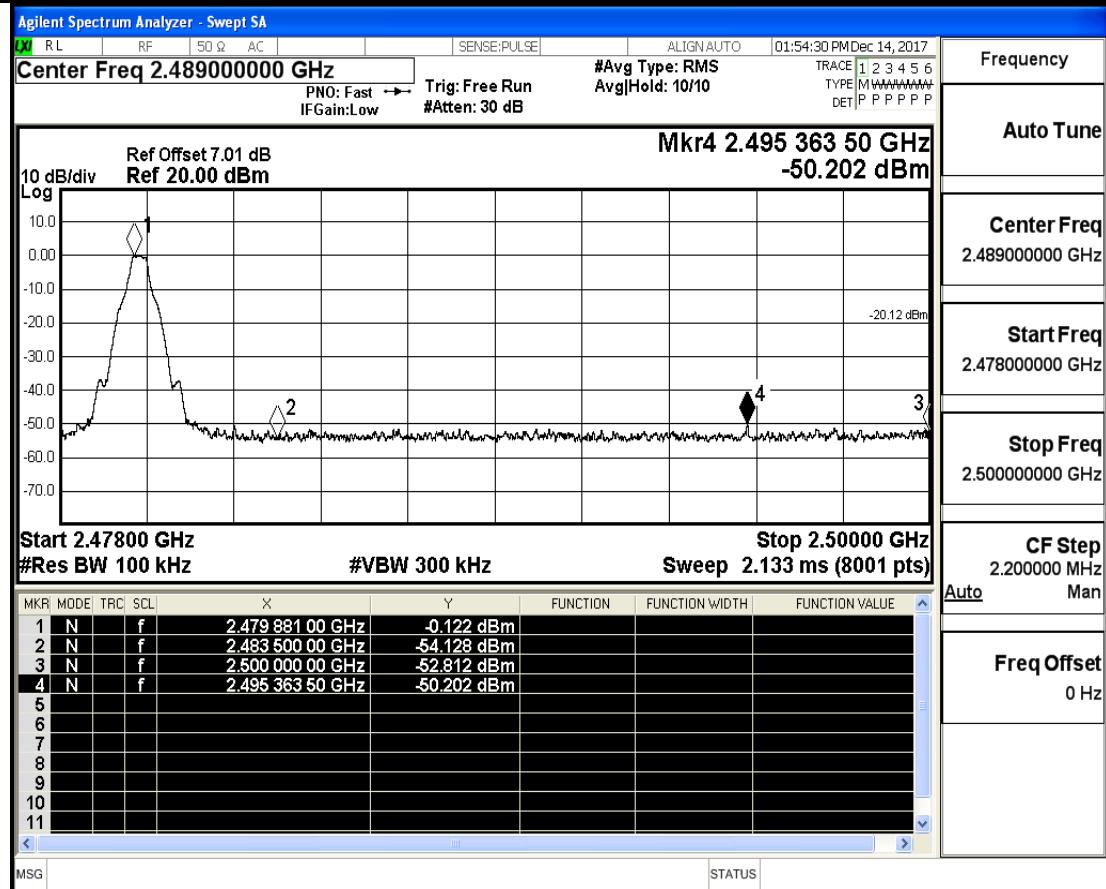
| Test Mode | Test Channel | Hopping | Carrier Power[dBm] | Max. Spurious Level [dBm] | Limit[dBm] | Verdict |
|-----------|--------------|---------|--------------------|---------------------------|------------|---------|
| DH5       | 2402         | On      | -0.265             | -50.594                   | -20.27     | PASS    |
| DH5       | 2402         | Off     | -0.091             | -51.308                   | -20.09     | PASS    |
| DH5       | 2480         | On      | -0.150             | -49.730                   | -20.15     | PASS    |
| DH5       | 2480         | Off     | -0.122             | -50.202                   | -20.12     | PASS    |
| 2DH5      | 2402         | On      | -1.608             | -50.764                   | -21.61     | PASS    |
| 2DH5      | 2402         | Off     | -1.519             | -51.319                   | -21.52     | PASS    |
| 2DH5      | 2480         | On      | -1.644             | -49.889                   | -21.64     | PASS    |
| 2DH5      | 2480         | Off     | -1.643             | -50.175                   | -21.64     | PASS    |
| 3DH5      | 2402         | On      | -1.708             | -50.611                   | -21.71     | PASS    |
| 3DH5      | 2402         | Off     | -1.664             | -51.591                   | -21.66     | PASS    |
| 3DH5      | 2480         | On      | -1.576             | -49.889                   | -21.58     | PASS    |
| 3DH5      | 2480         | Off     | -1.521             | -50.594                   | -21.52     | PASS    |

## Band-edge for RF Conducted Emissions\_DH5\_2402\_Hopping On

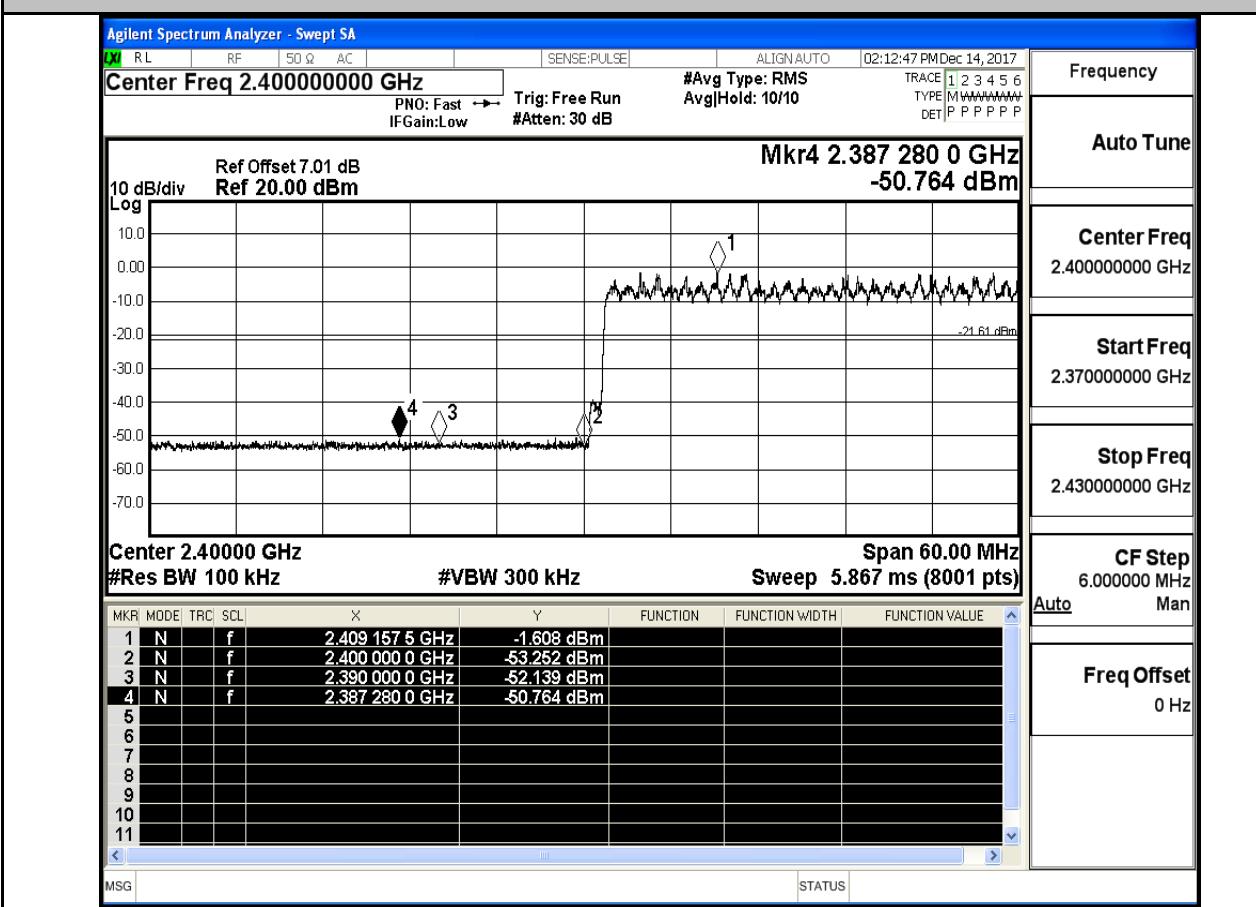


## Band-edge for RF Conducted Emissions\_DH5\_2402\_Hopping Off

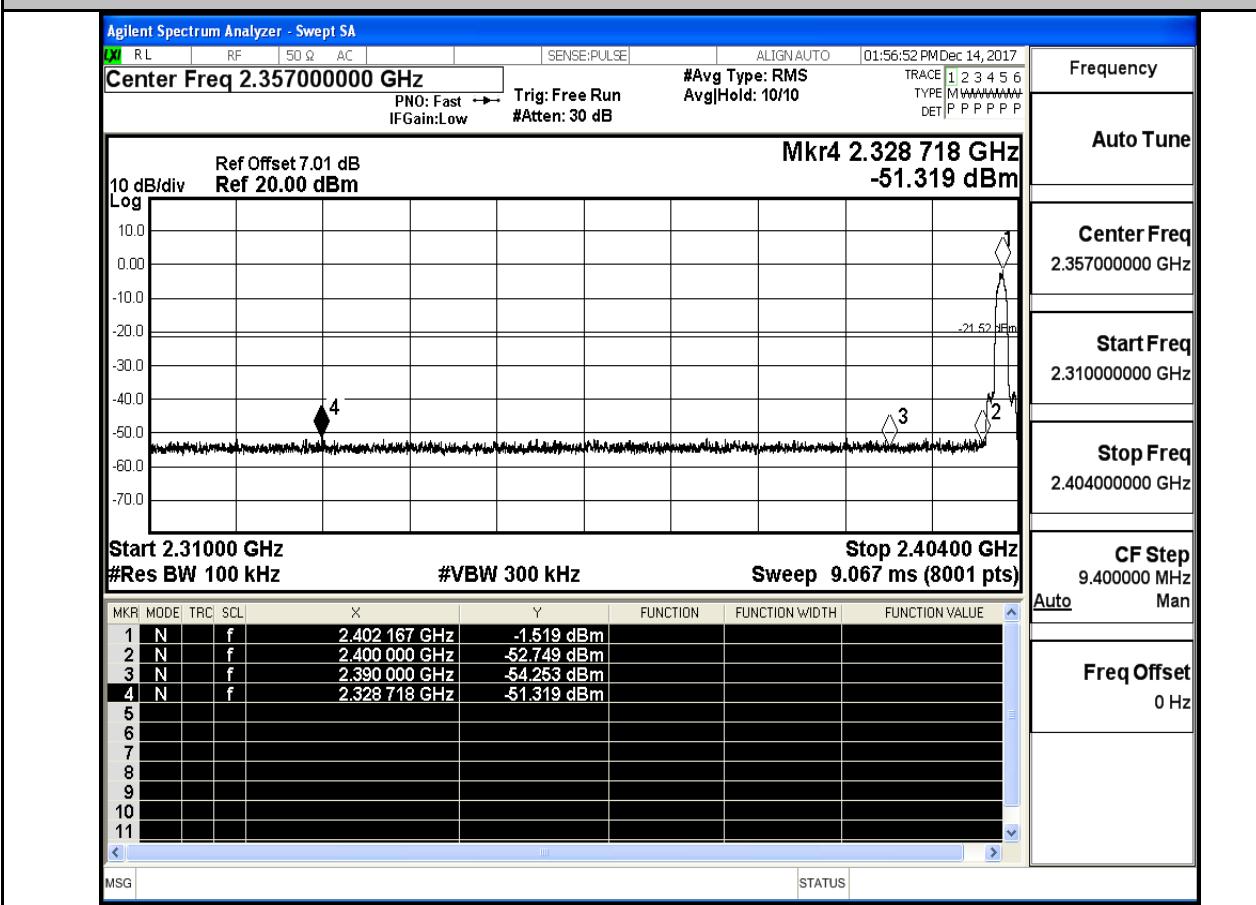


**Band-edge for RF Conducted Emissions\_DH5\_2480\_Hopping On**

**Band-edge for RF Conducted Emissions\_DH5\_2480\_Hopping Off**


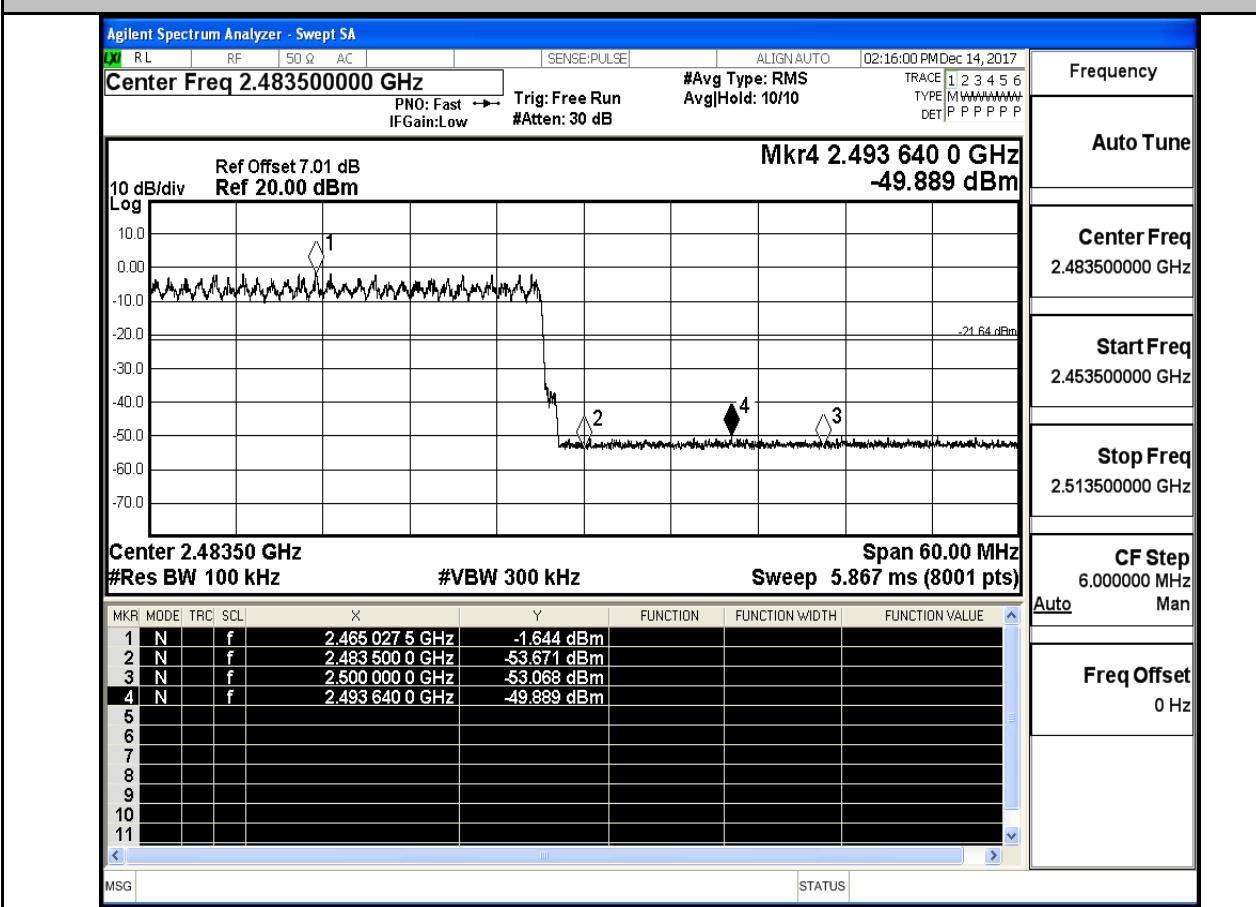
Band-edge for RF Conducted Emissions\_2DH5\_2402\_Hopping On



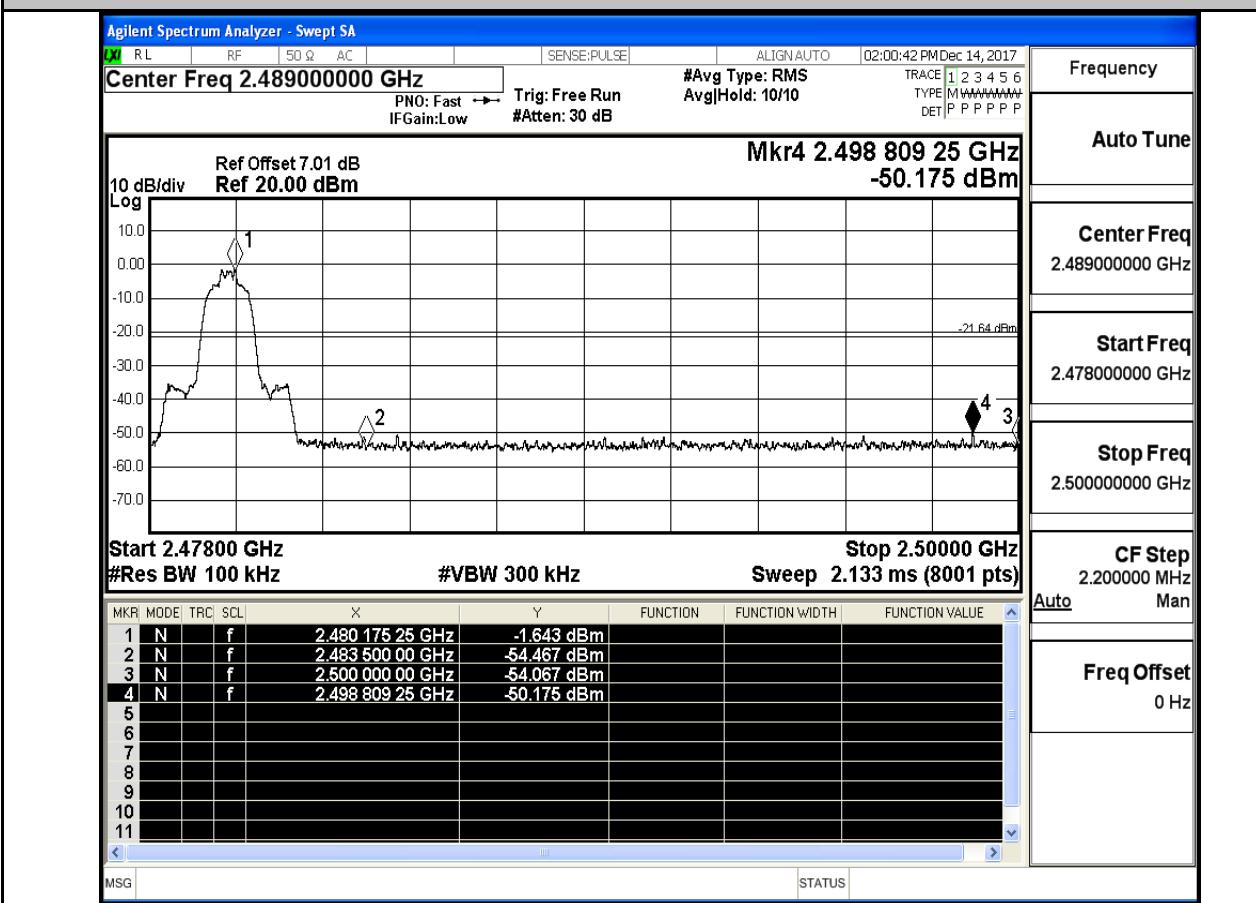
Band-edge for RF Conducted Emissions\_2DH5\_2402\_Hopping Off

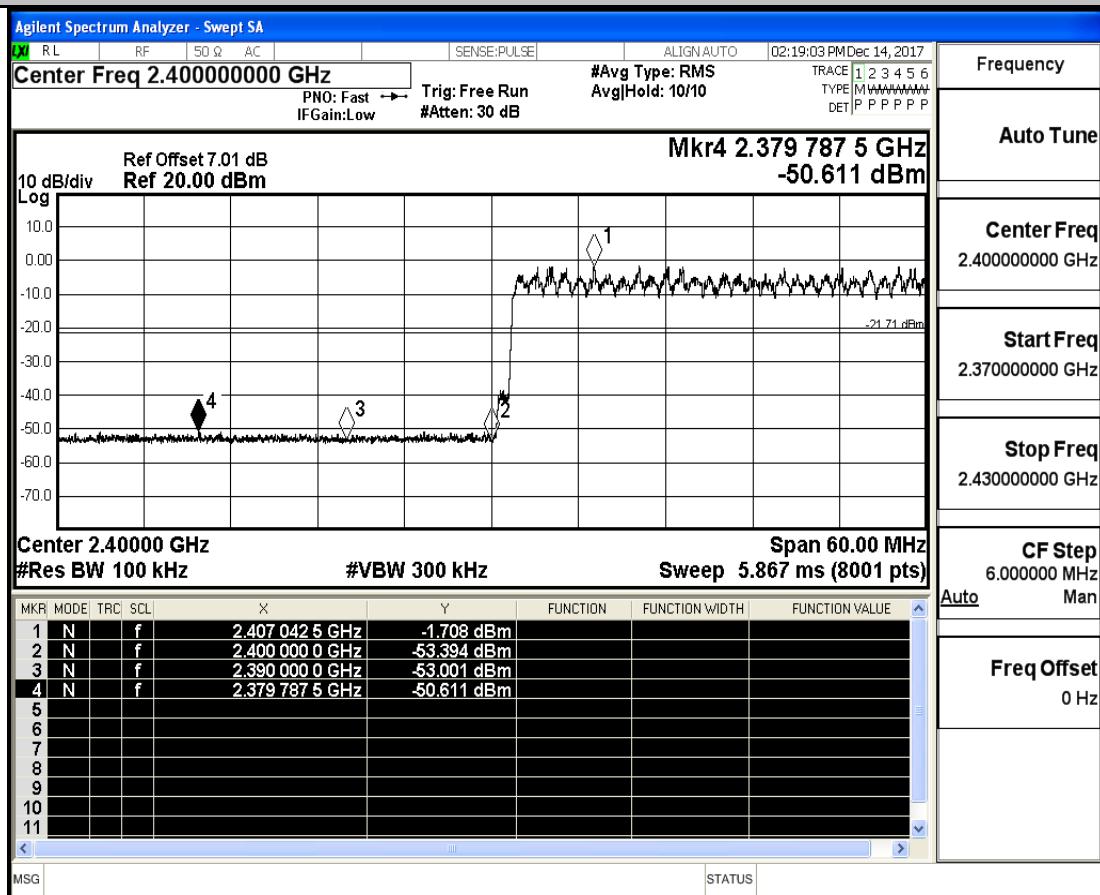
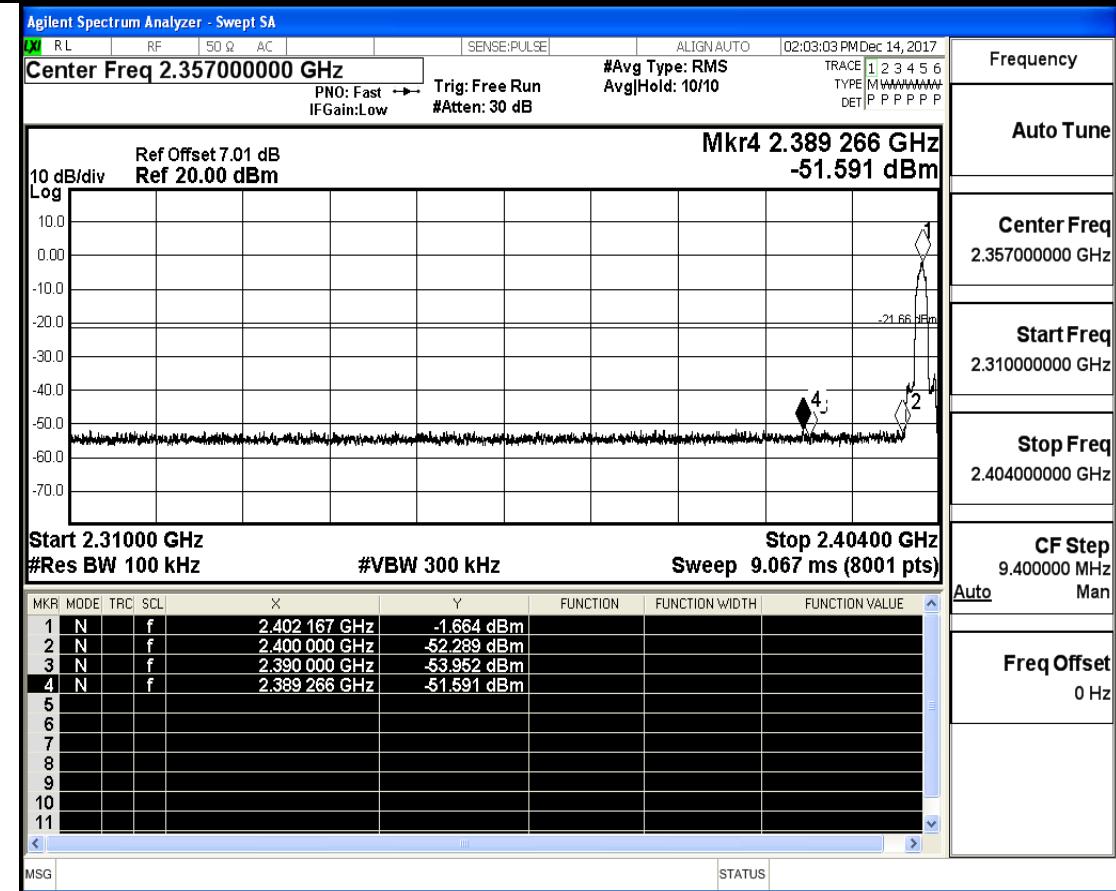


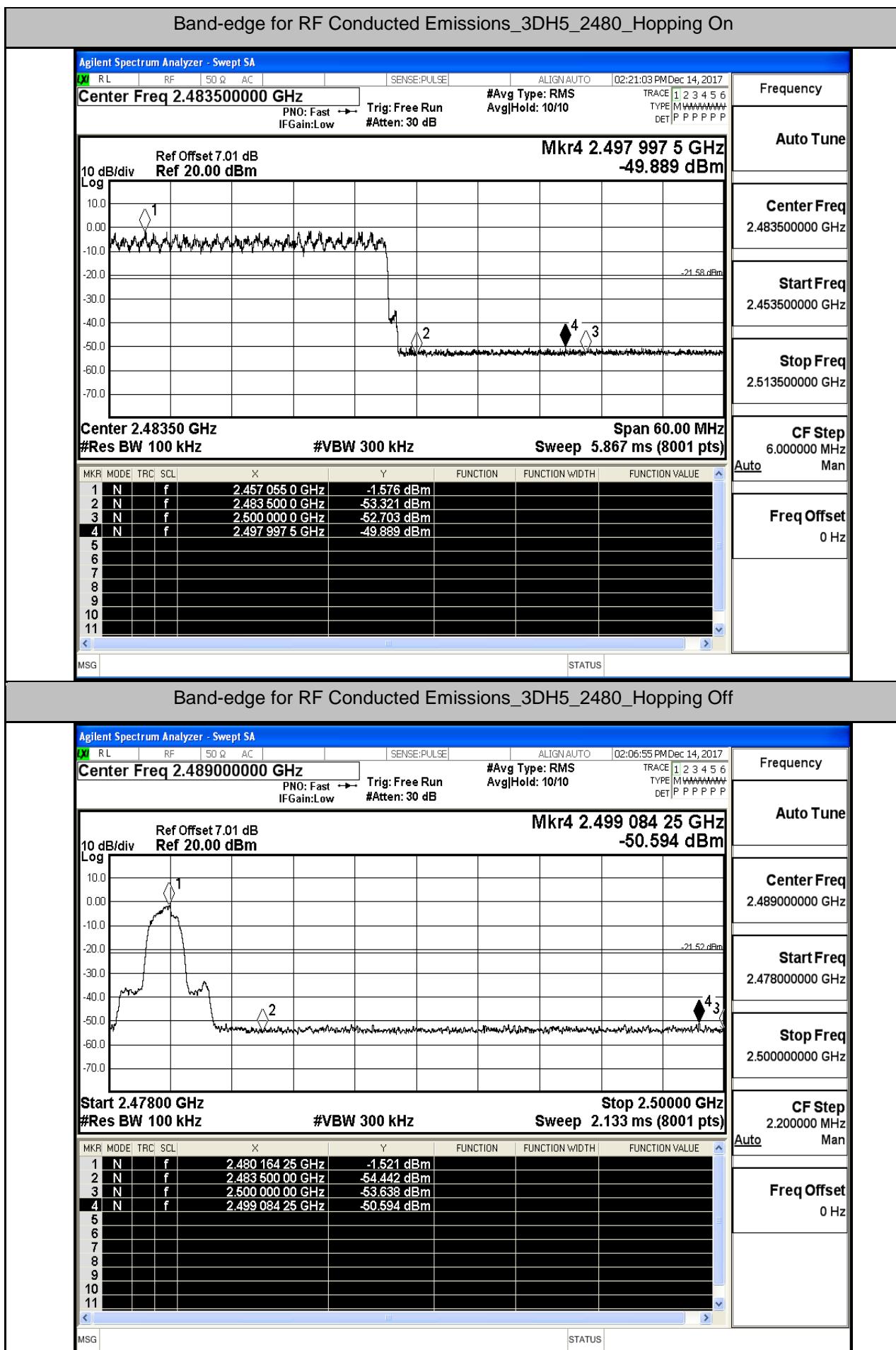
Band-edge for RF Conducted Emissions\_2DH5\_2480\_Hopping On



Band-edge for RF Conducted Emissions\_2DH5\_2480\_Hopping Off

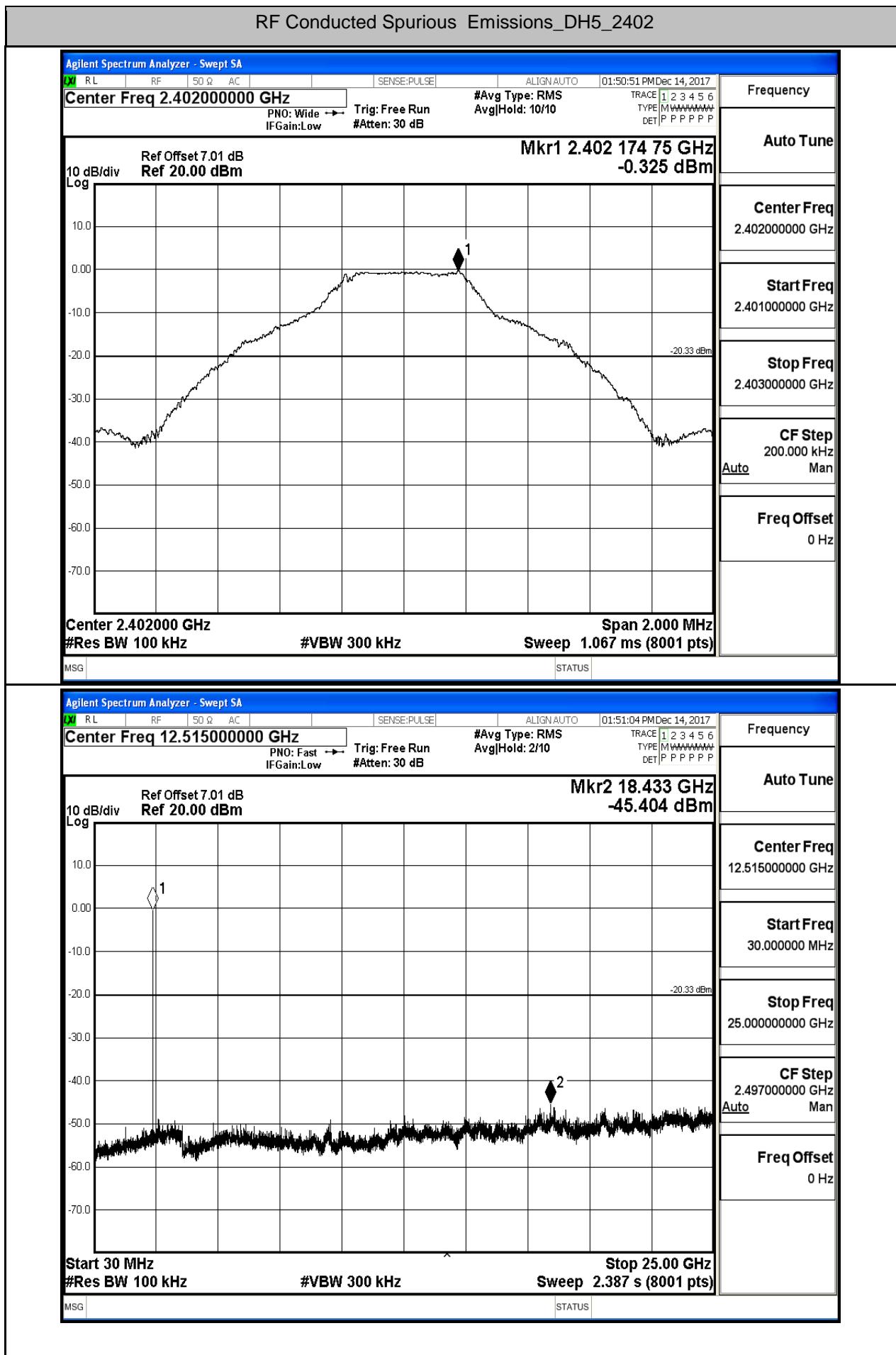


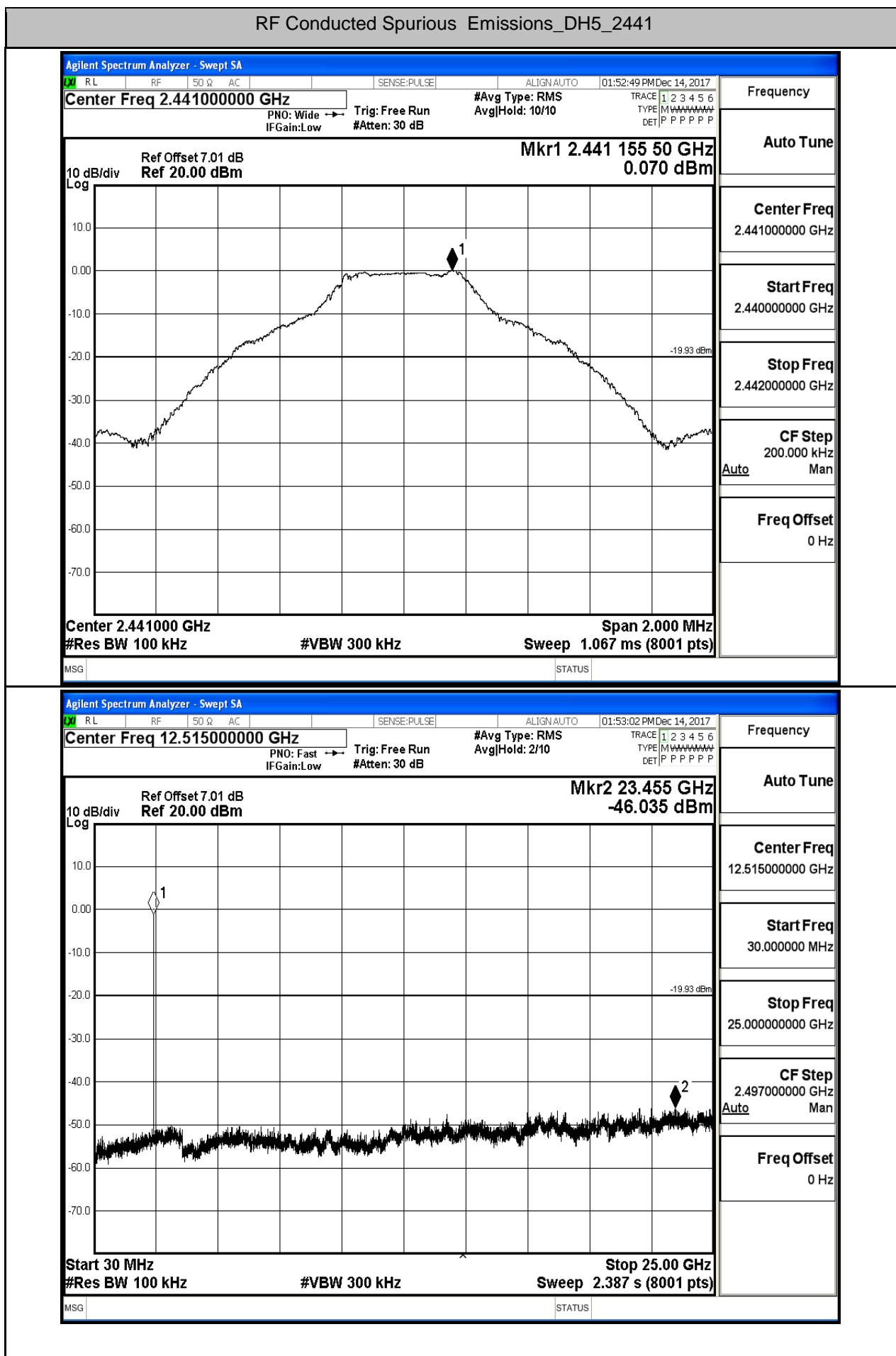
**Band-edge for RF Conducted Emissions\_3DH5\_2402\_Hopping On**

**Band-edge for RF Conducted Emissions\_3DH5\_2402\_Hopping Off**


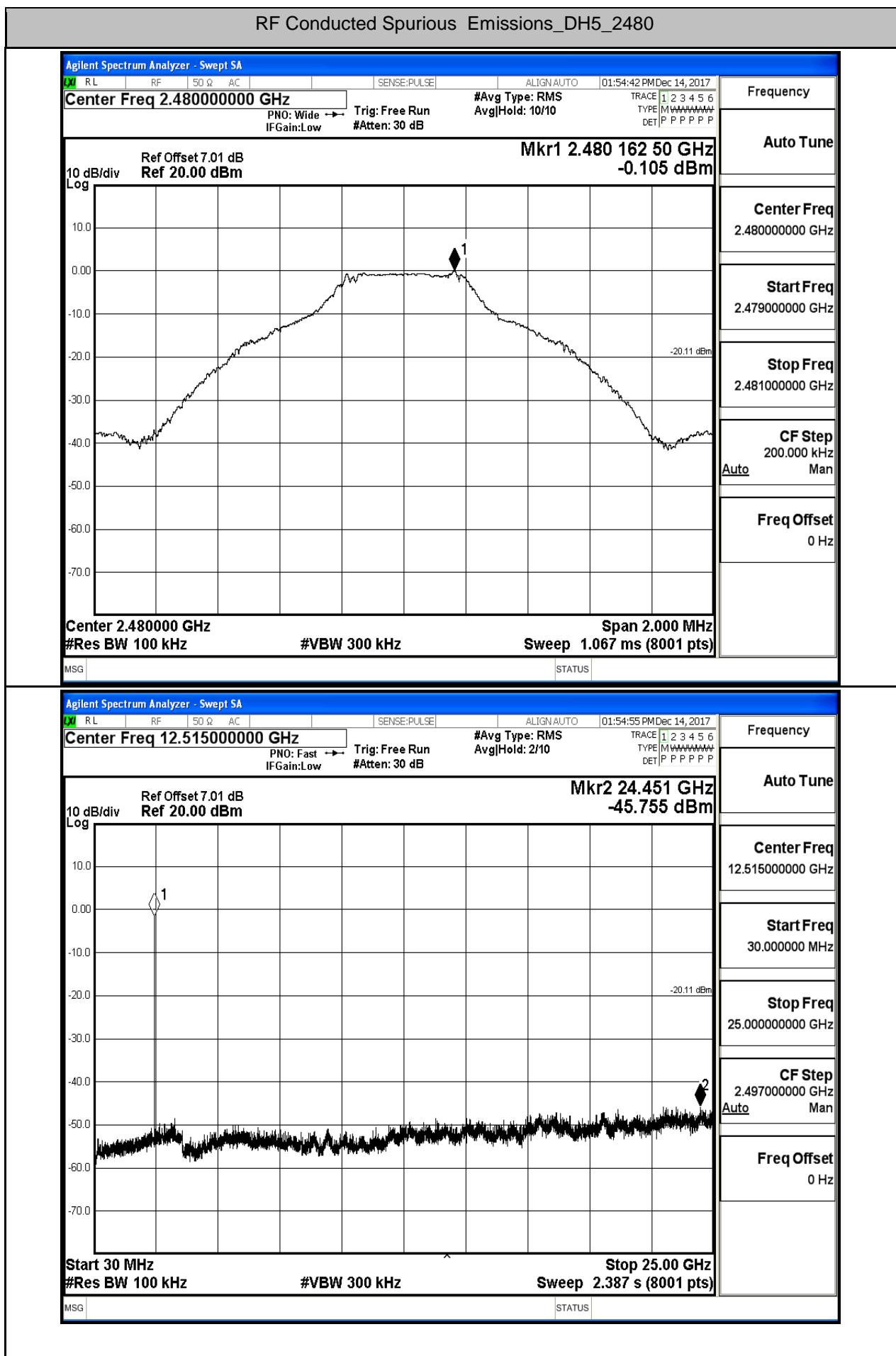


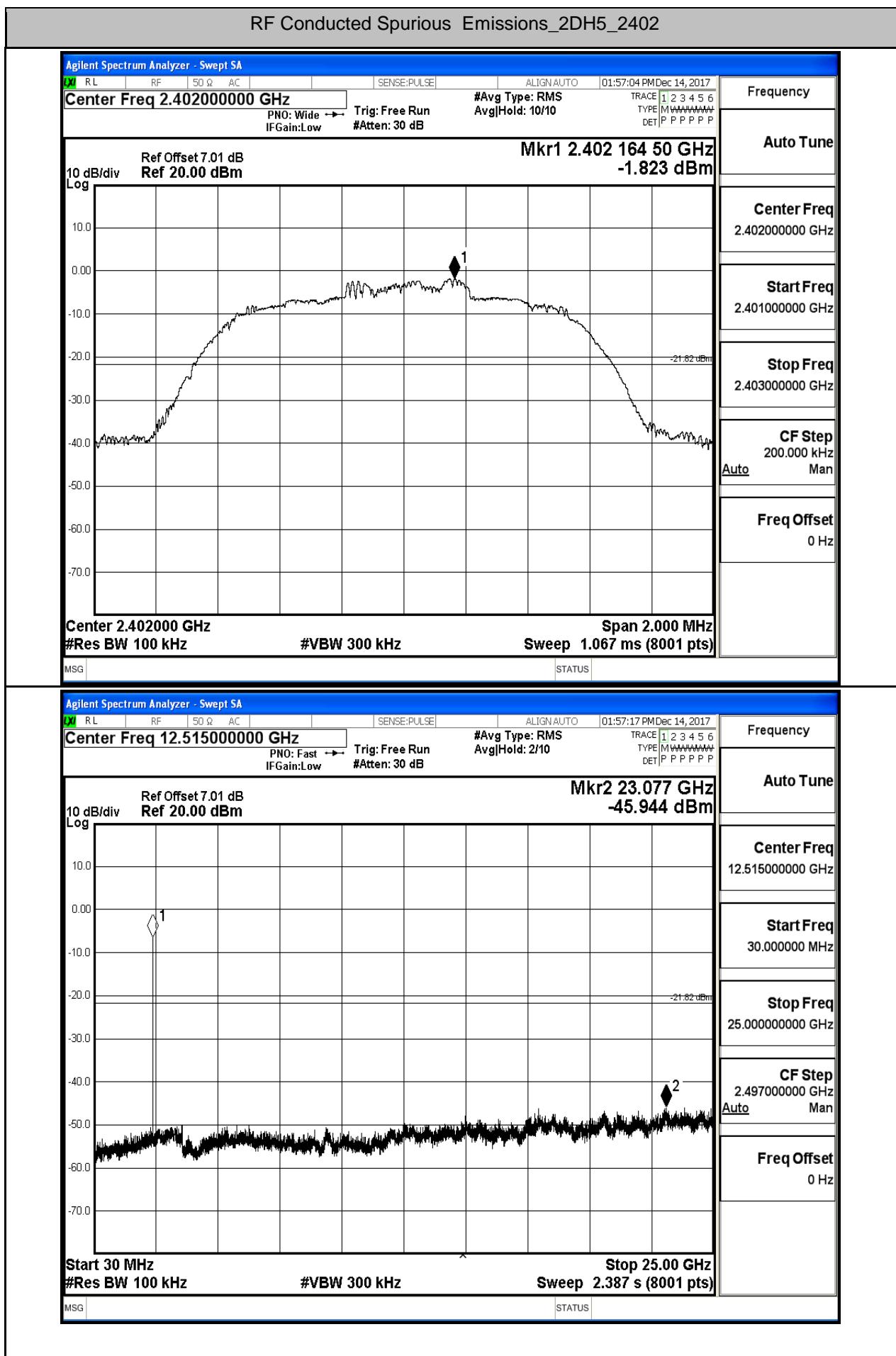
## 7.RF Conducted Spurious Emissions

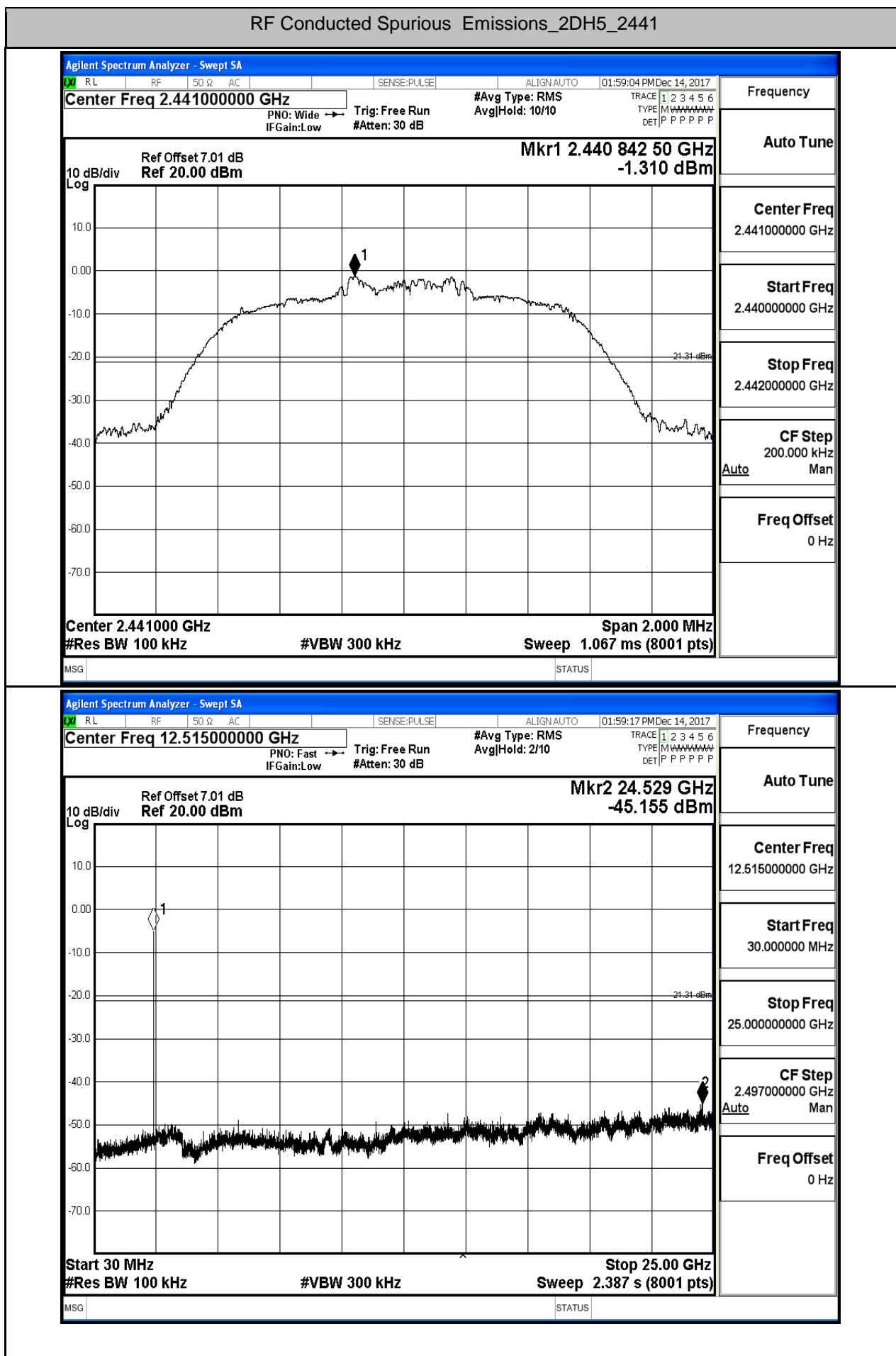
| Test Mode | Test Channel | StartFre [MHz] | StopFre [MHz] | RBW [kHz] | VBW [kHz] | Pref[dBm] | Max. Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|----------------|---------------|-----------|-----------|-----------|------------------|-------------|---------|
| DH5       | 2402         | 30             | 25000         | 100       | 300       | -0.325    | -45.404          | <-20.325    | PASS    |
| DH5       | 2441         | 30             | 25000         | 100       | 300       | 0.07      | -46.035          | <-19.93     | PASS    |
| DH5       | 2480         | 30             | 25000         | 100       | 300       | -0.105    | -45.755          | <-20.105    | PASS    |
| 2DH5      | 2402         | 30             | 25000         | 100       | 300       | -1.823    | -45.944          | <-21.823    | PASS    |
| 2DH5      | 2441         | 30             | 25000         | 100       | 300       | -1.31     | -45.155          | <-21.31     | PASS    |
| 2DH5      | 2480         | 30             | 25000         | 100       | 300       | -1.549    | -45.495          | <-21.549    | PASS    |
| 3DH5      | 2402         | 30             | 25000         | 100       | 300       | -1.649    | -45.308          | <-21.649    | PASS    |
| 3DH5      | 2441         | 30             | 25000         | 100       | 300       | -2.094    | -44.770          | <-22.094    | PASS    |
| 3DH5      | 2480         | 30             | 25000         | 100       | 300       | -1.422    | -45.203          | <-21.422    | PASS    |

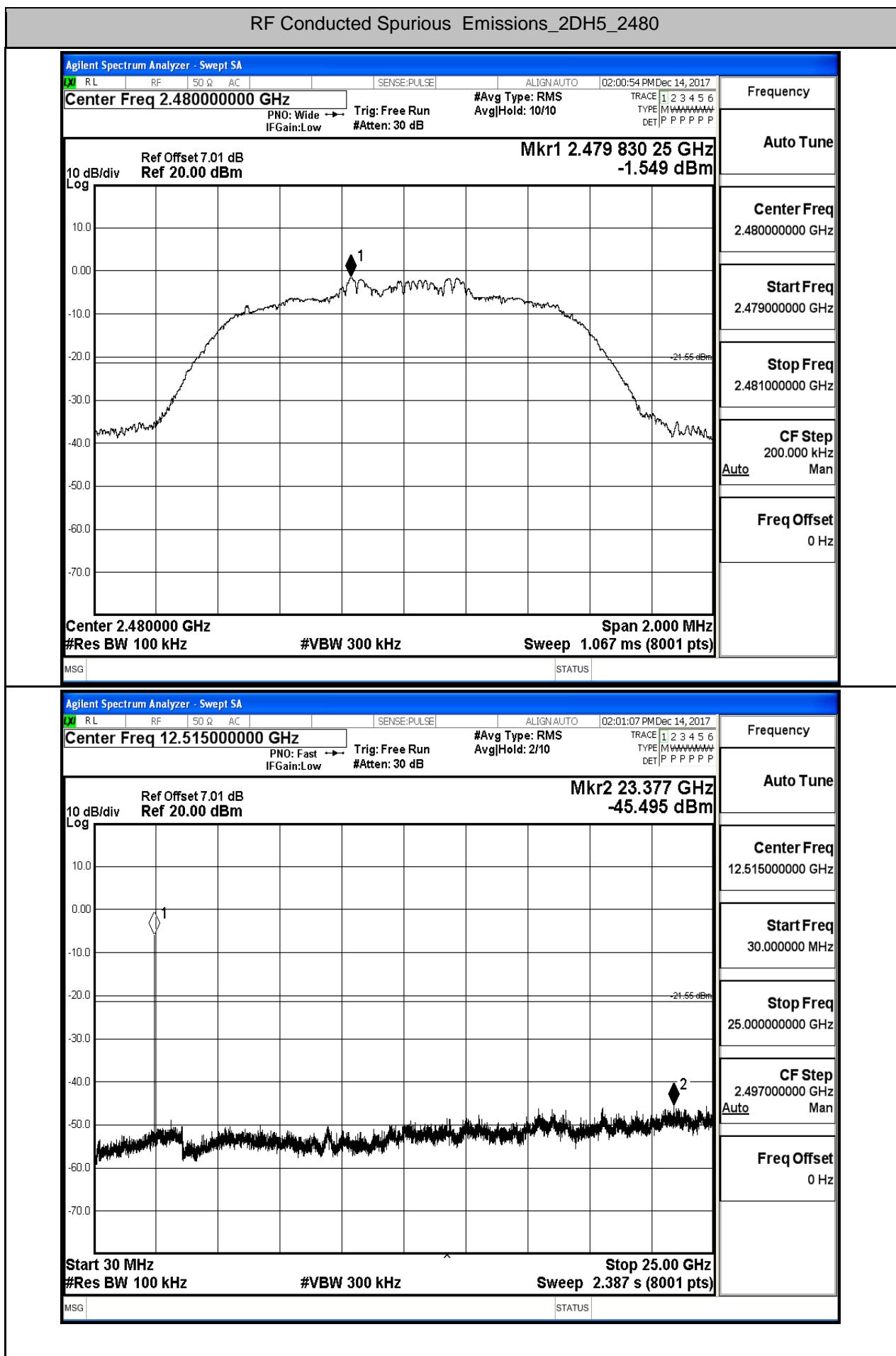


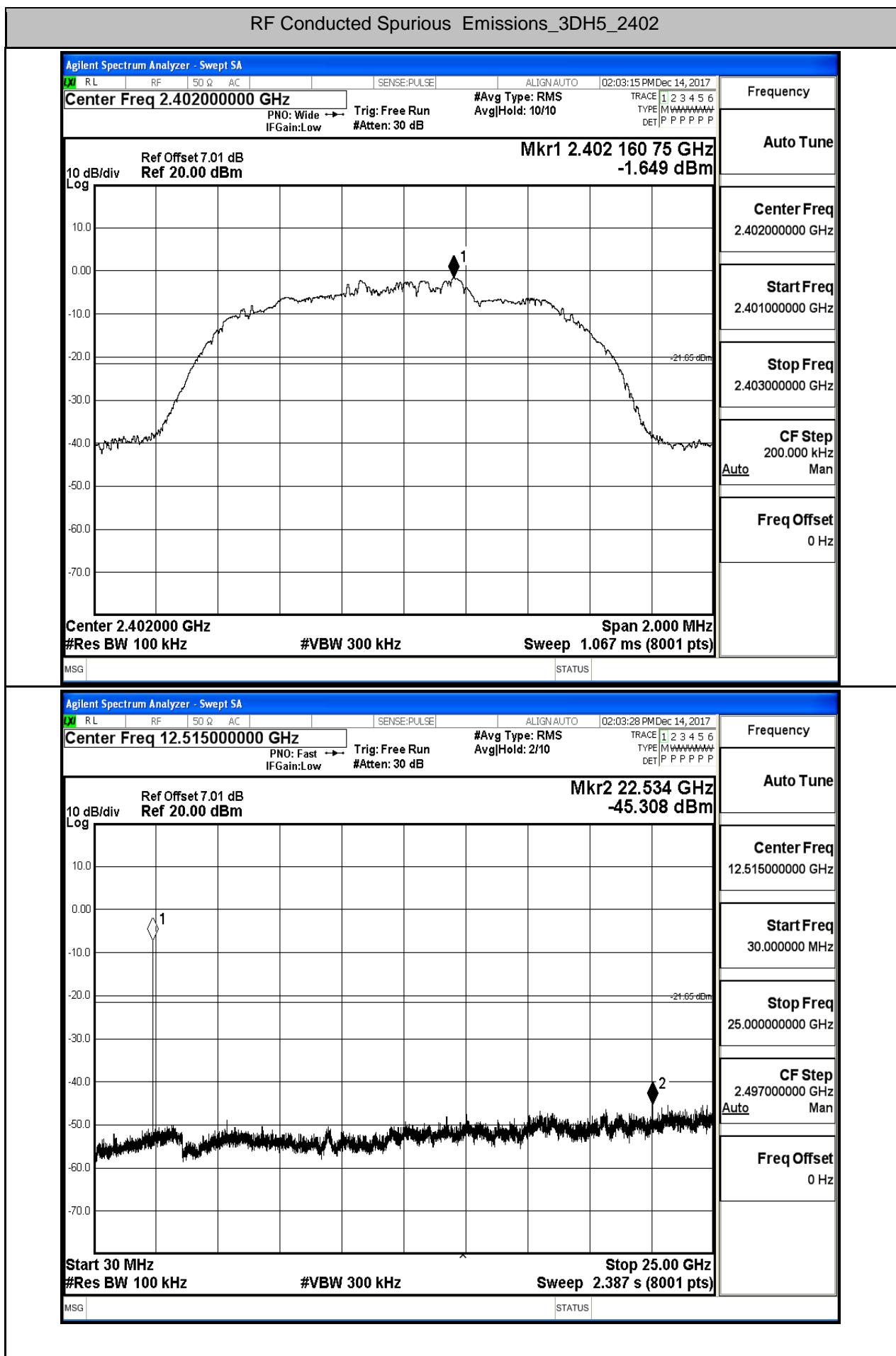


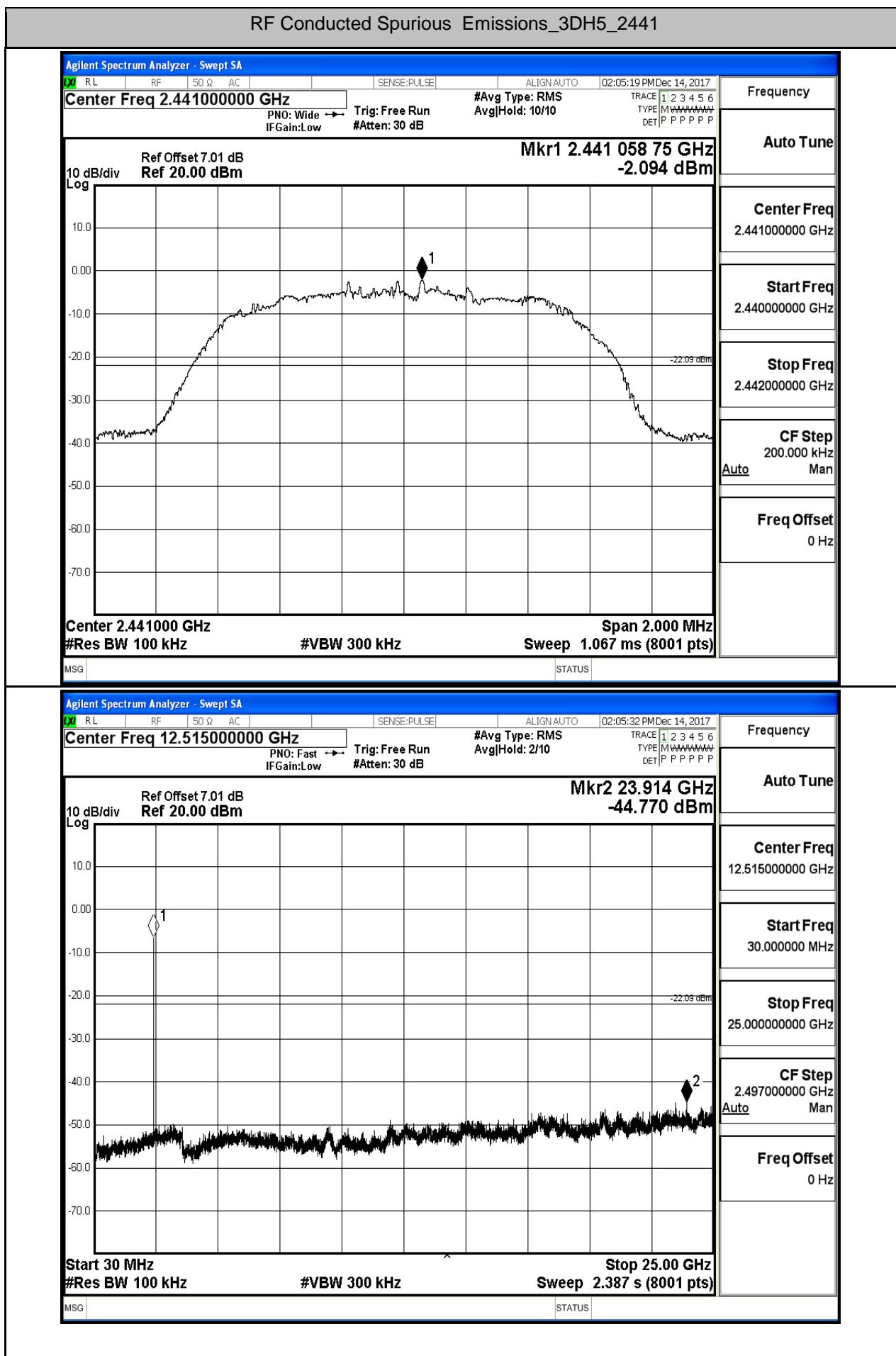


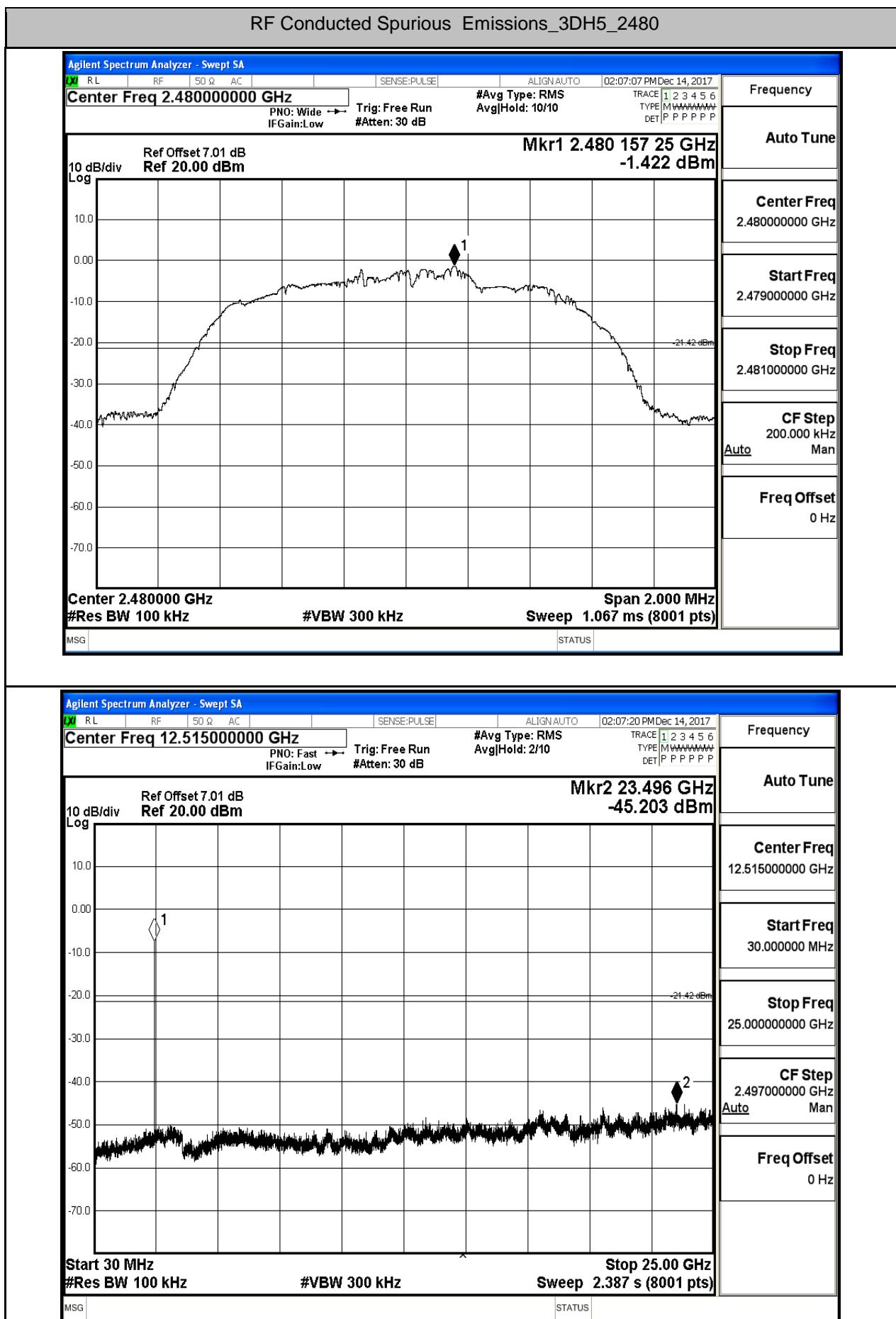






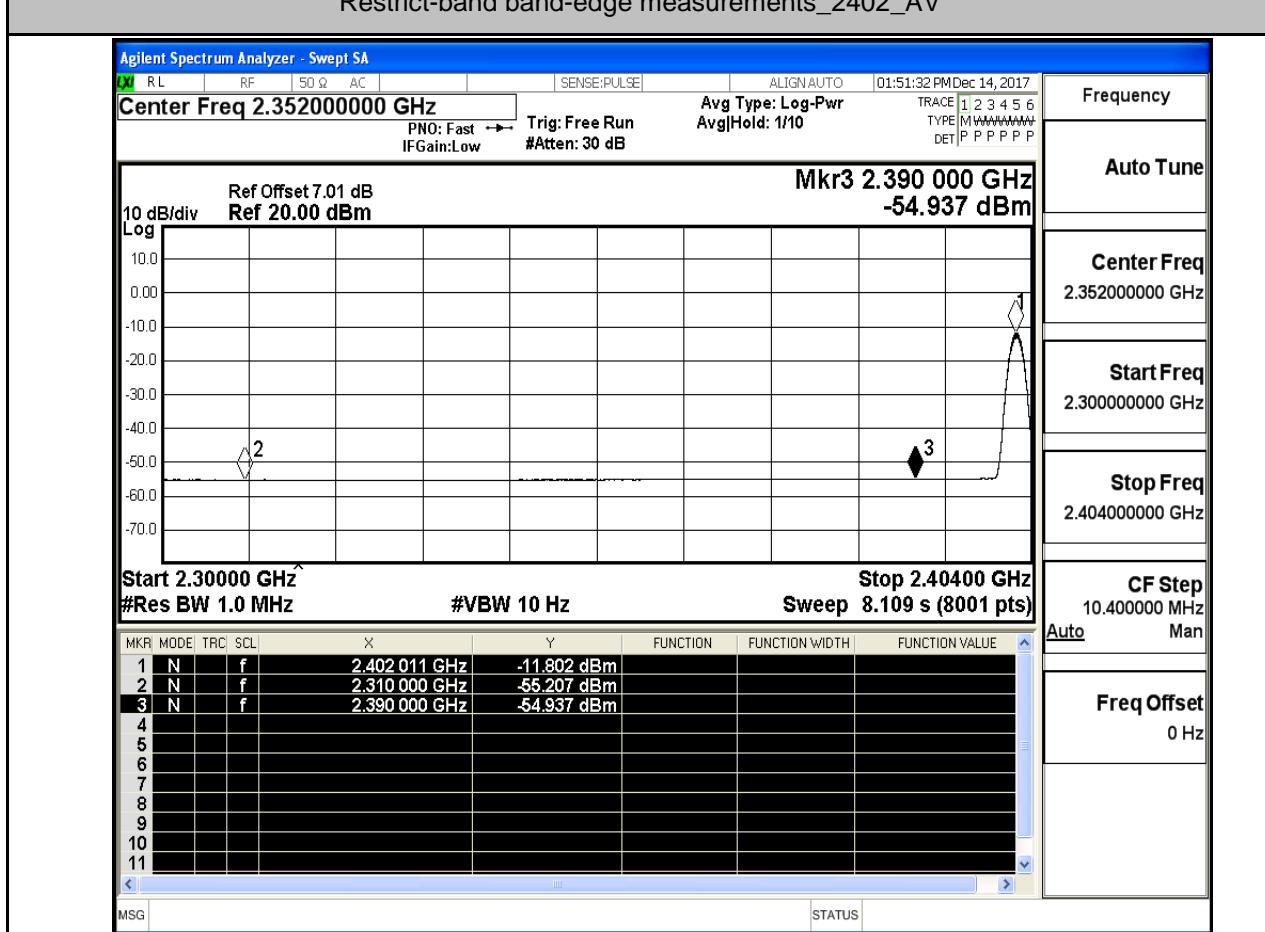
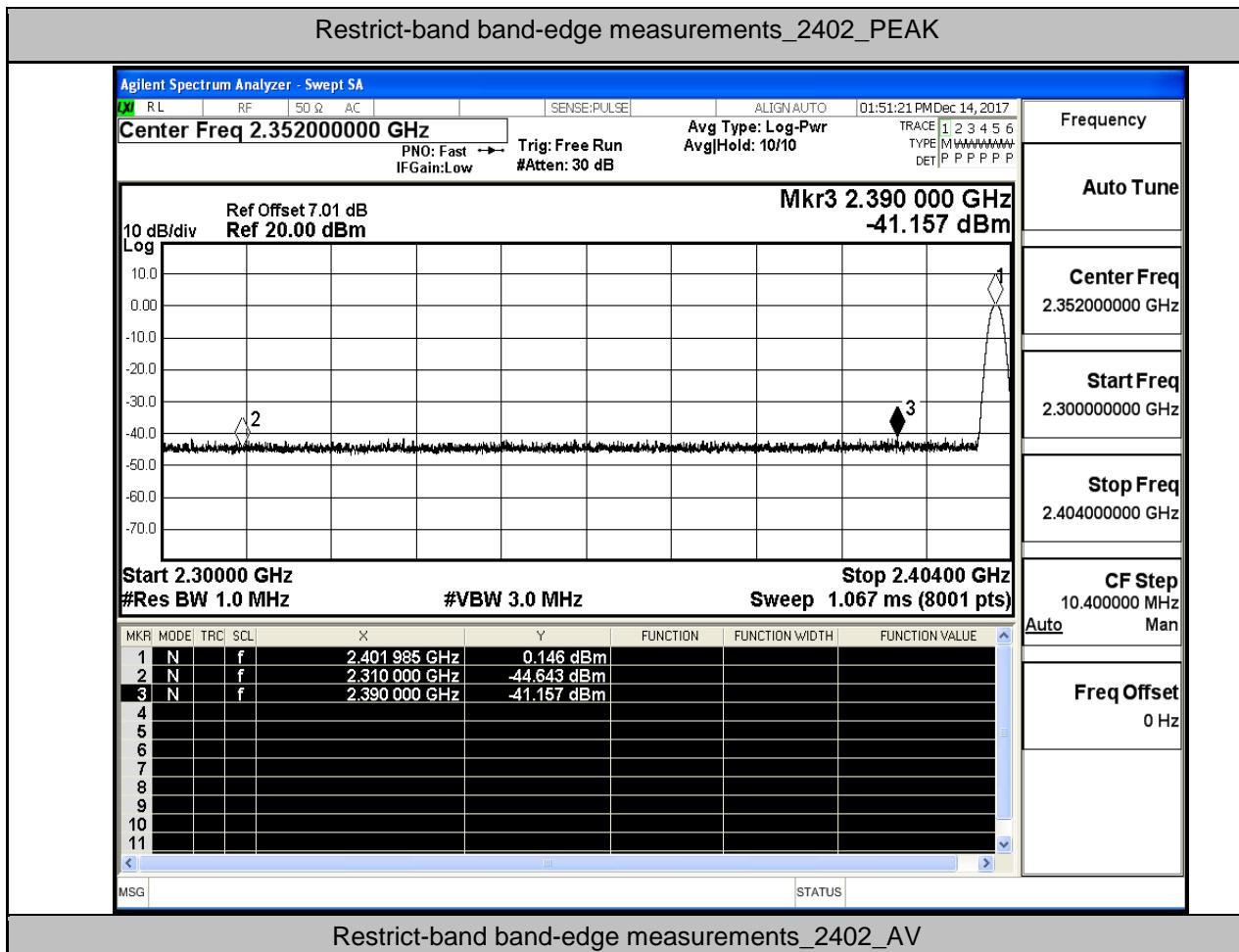




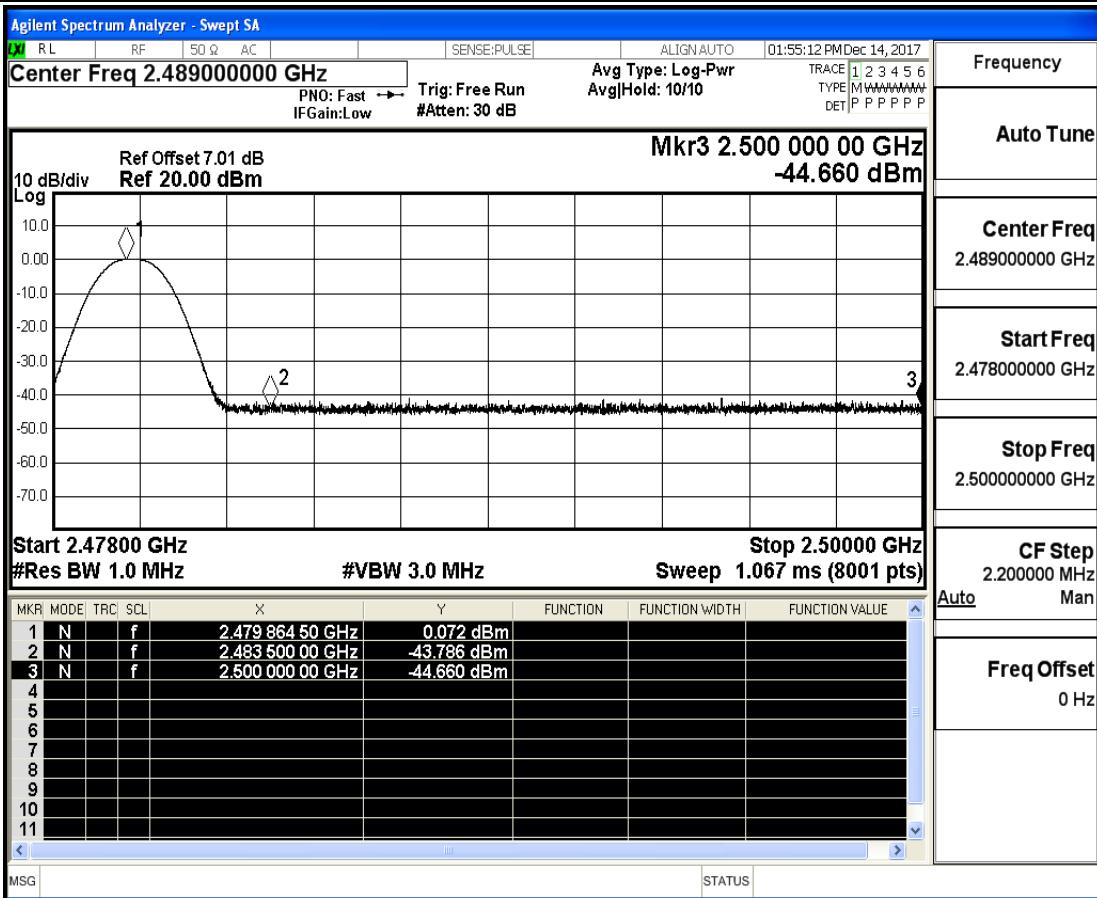


**9. Restrict-band band-edge measurements**

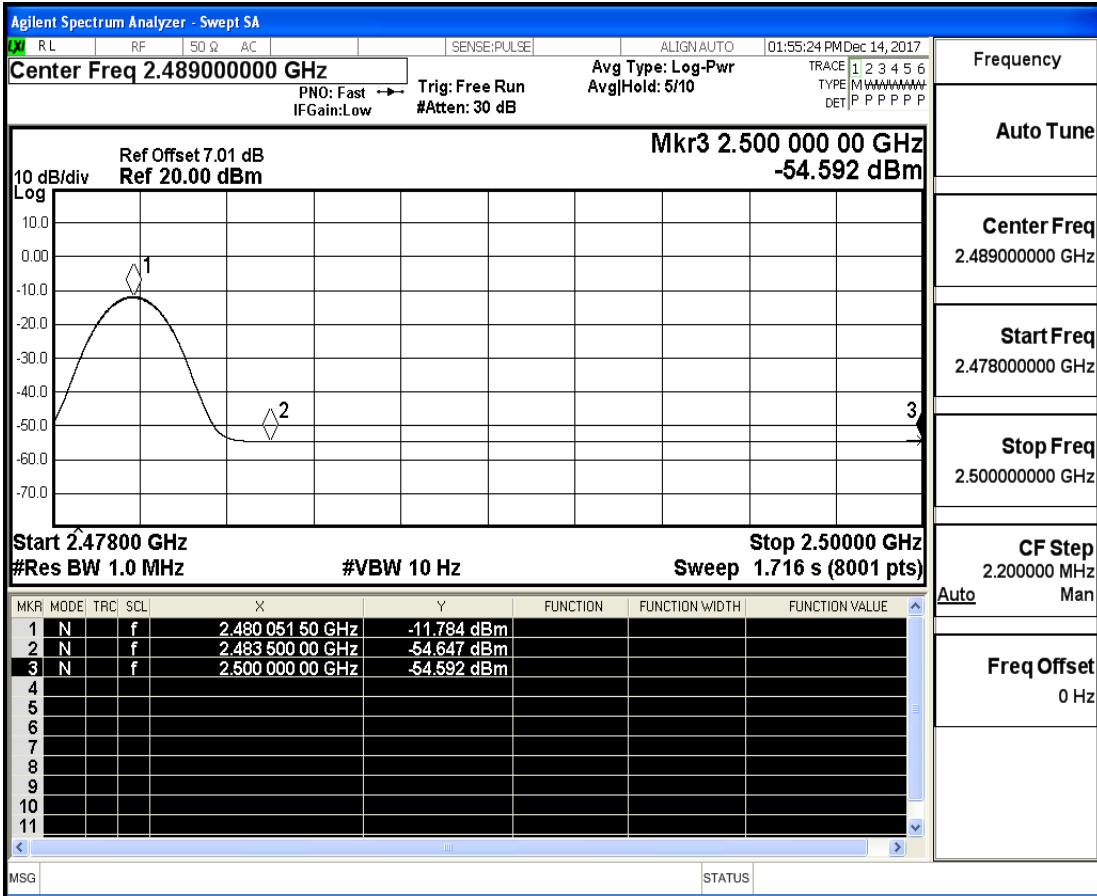
| Test Mode | Hopping | Freq.  | Power [dBm] | Gain | Ground Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|-----------|---------|--------|-------------|------|---------------|------------|----------|----------------|---------|
| DH5       | Off     | 2310.0 | -44.64      | 2    | 0             | 52.61      | PEAK     | 74             | PASS    |
| DH5       | Off     | 2310.0 | -55.21      | 2    | 0             | 42.05      | AV       | 54             | PASS    |
| DH5       | Off     | 2390.0 | -41.16      | 2    | 0             | 56.10      | PEAK     | 74             | PASS    |
| DH5       | Off     | 2390.0 | -54.94      | 2    | 0             | 42.32      | AV       | 54             | PASS    |
| DH5       | Off     | 2483.5 | -43.79      | 2    | 0             | 53.47      | PEAK     | 74             | PASS    |
| DH5       | Off     | 2483.5 | -54.65      | 2    | 0             | 42.61      | AV       | 54             | PASS    |
| DH5       | Off     | 2500.0 | -44.66      | 2    | 0             | 52.60      | PEAK     | 74             | PASS    |
| DH5       | Off     | 2500.0 | -54.59      | 2    | 0             | 42.67      | AV       | 54             | PASS    |
| 2DH5      | Off     | 2310.0 | -45.23      | 2    | 0             | 52.03      | PEAK     | 74             | PASS    |
| 2DH5      | Off     | 2310.0 | -55.16      | 2    | 0             | 42.10      | AV       | 54             | PASS    |
| 2DH5      | Off     | 2390.0 | -44.38      | 2    | 0             | 52.88      | PEAK     | 74             | PASS    |
| 2DH5      | Off     | 2390.0 | -54.96      | 2    | 0             | 42.30      | AV       | 54             | PASS    |
| 2DH5      | Off     | 2483.5 | -43.70      | 2    | 0             | 53.56      | PEAK     | 74             | PASS    |
| 2DH5      | Off     | 2483.5 | -54.63      | 2    | 0             | 42.63      | AV       | 54             | PASS    |
| 2DH5      | Off     | 2500.0 | -43.57      | 2    | 0             | 53.69      | PEAK     | 74             | PASS    |
| 2DH5      | Off     | 2500.0 | -54.59      | 2    | 0             | 42.67      | AV       | 54             | PASS    |
| 3DH5      | Off     | 2310.0 | -44.16      | 2    | 0             | 53.10      | PEAK     | 74             | PASS    |
| 3DH5      | Off     | 2310.0 | -55.21      | 2    | 0             | 42.05      | AV       | 54             | PASS    |
| 3DH5      | Off     | 2390.0 | -45.95      | 2    | 0             | 51.31      | PEAK     | 74             | PASS    |
| 3DH5      | Off     | 2390.0 | -54.99      | 2    | 0             | 42.27      | AV       | 54             | PASS    |
| 3DH5      | Off     | 2483.5 | -43.95      | 2    | 0             | 53.31      | PEAK     | 74             | PASS    |
| 3DH5      | Off     | 2483.5 | -54.61      | 2    | 0             | 42.65      | AV       | 54             | PASS    |
| 3DH5      | Off     | 2500.0 | -44.06      | 2    | 0             | 53.20      | PEAK     | 74             | PASS    |
| 3DH5      | Off     | 2500.0 | -54.60      | 2    | 0             | 42.66      | AV       | 54             | PASS    |



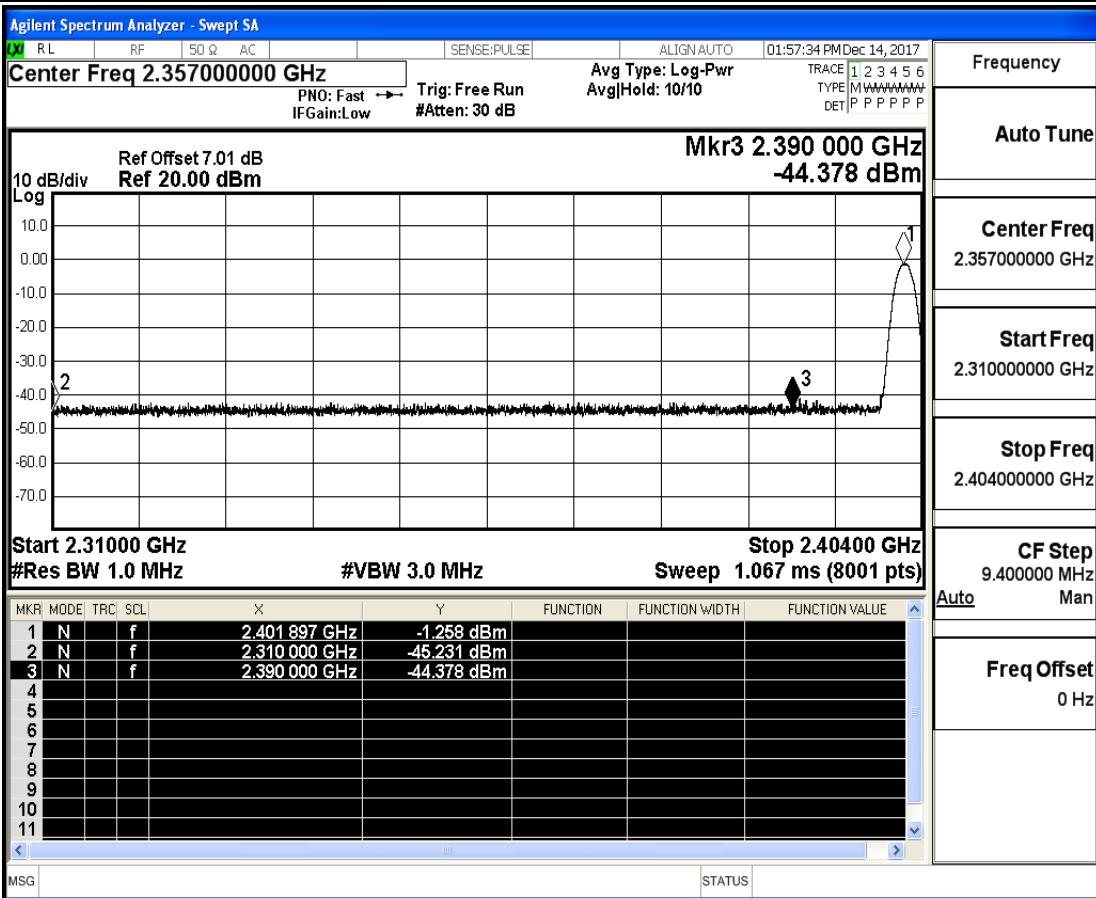
Restrict-band band-edge measurements\_2480\_PEAK



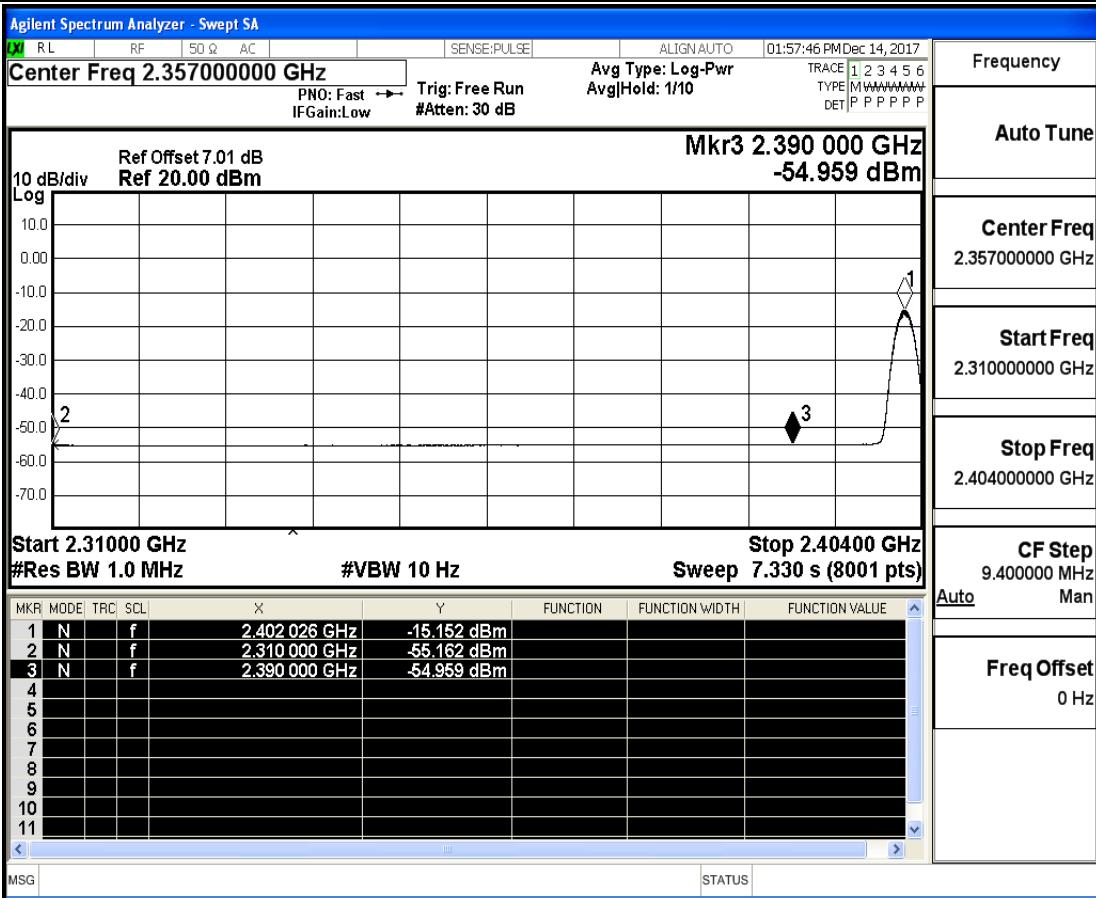
Restrict-band band-edge measurements\_2480\_AV



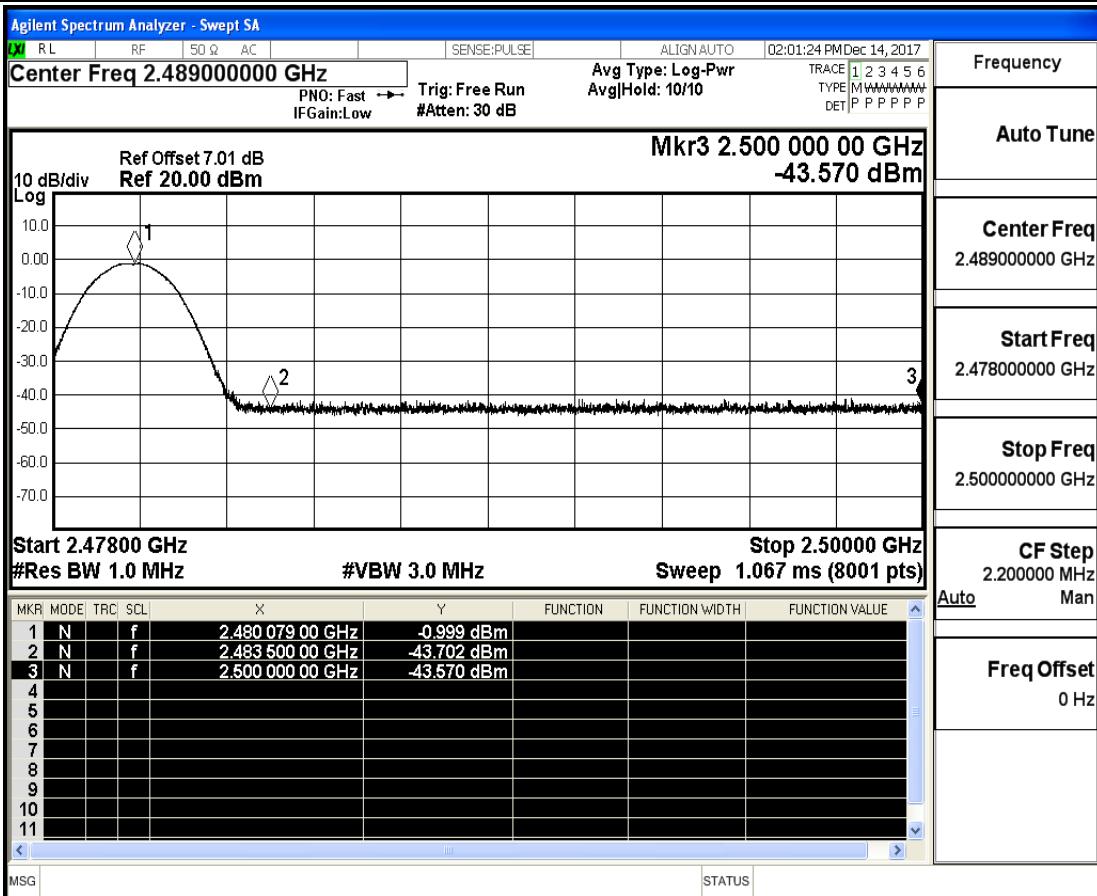
Restrict-band band-edge measurements\_2402\_PEAK



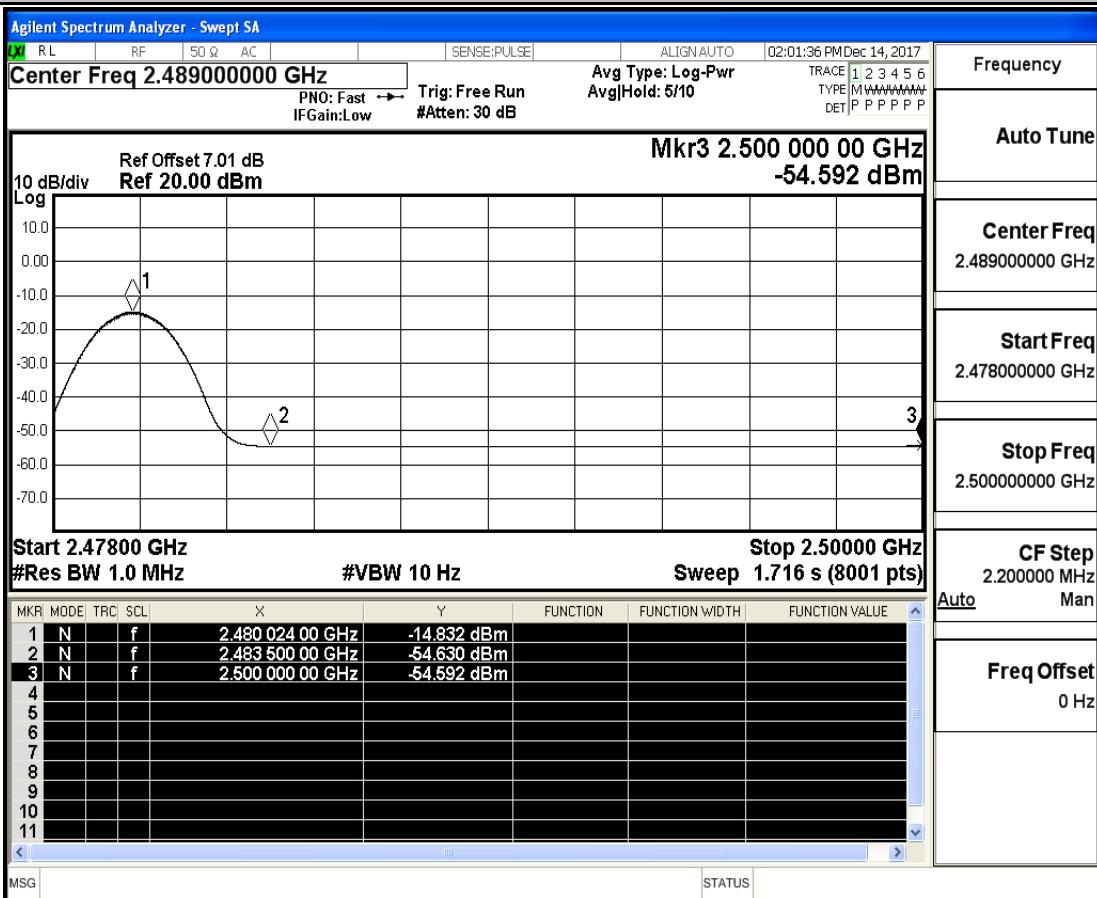
Restrict-band band-edge measurements\_2402\_AV



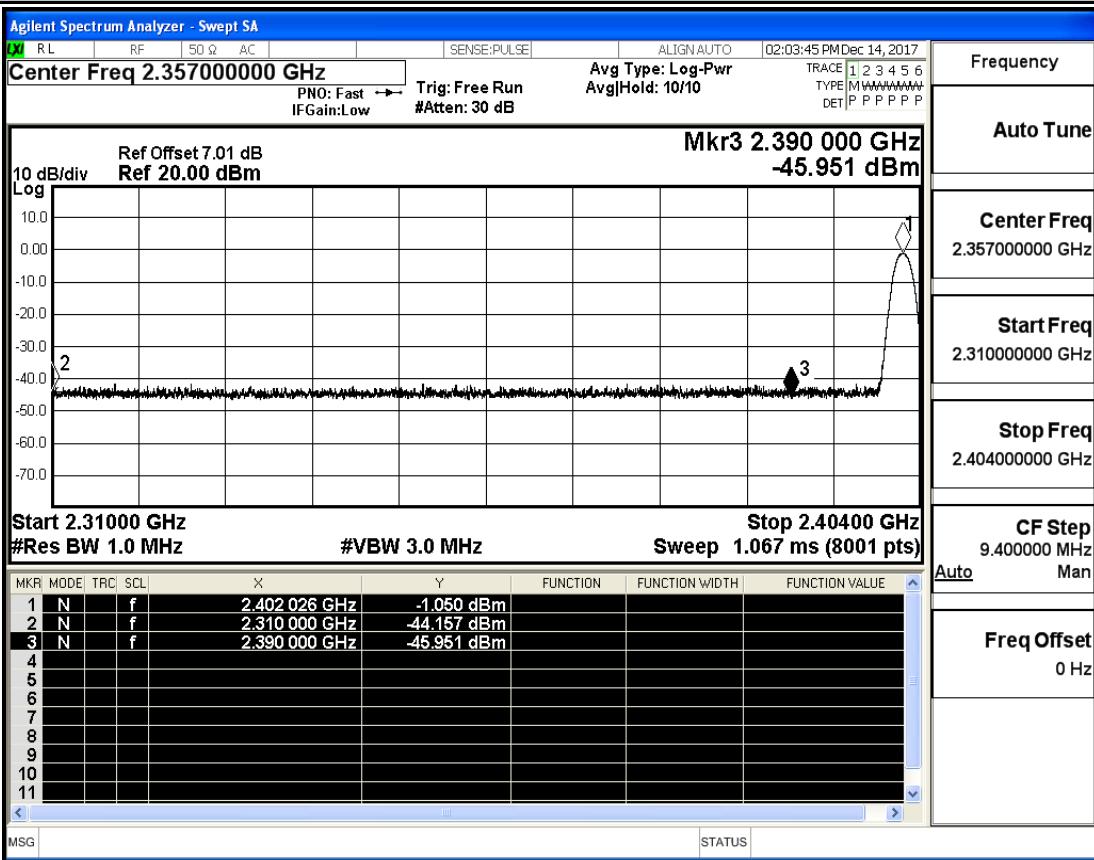
Restrict-band band-edge measurements\_2480\_PEAK



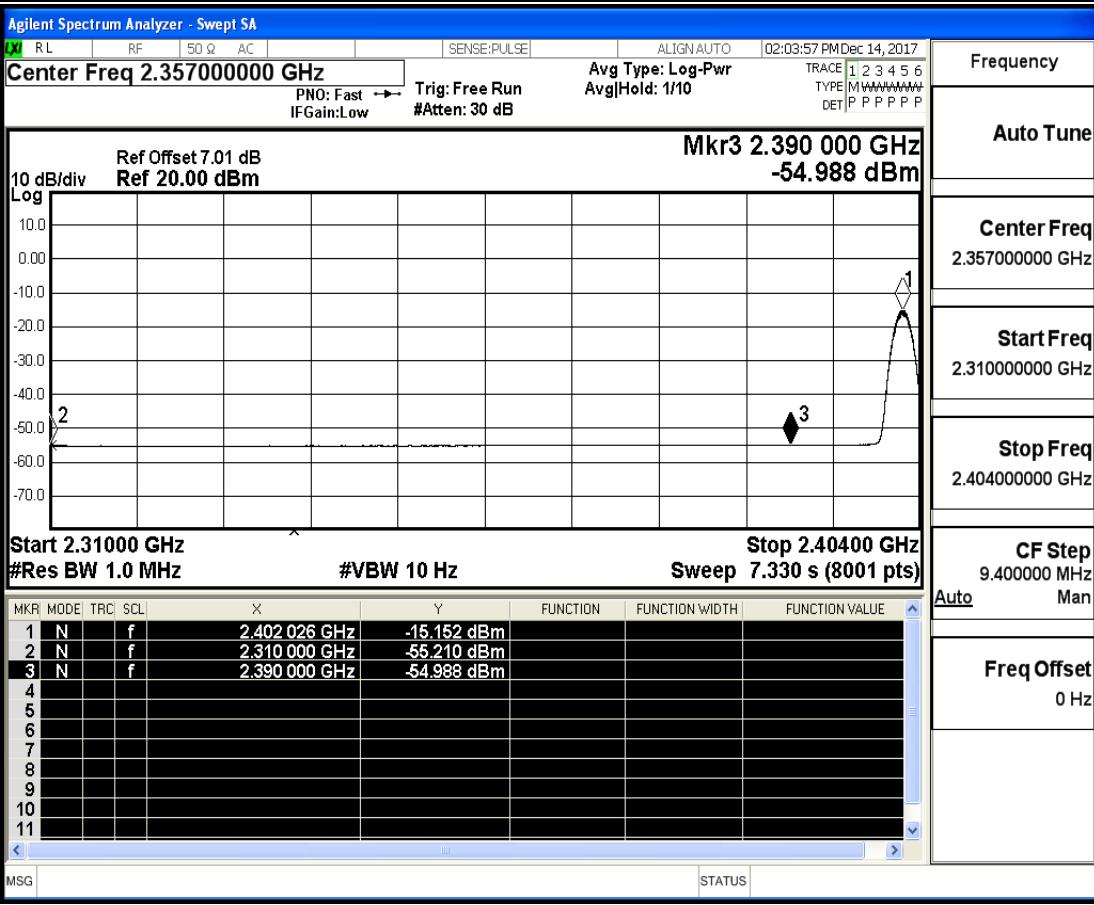
Restrict-band band-edge measurements\_2480\_AV



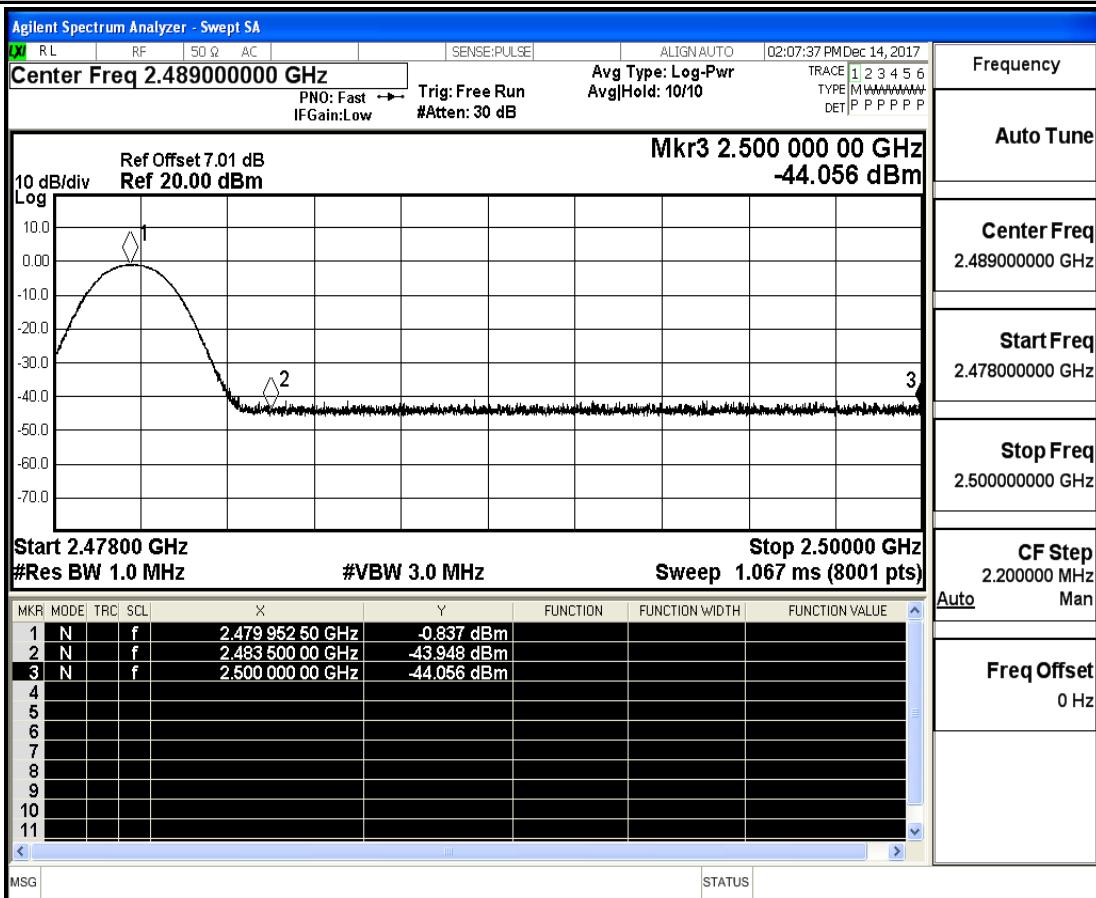
Restrict-band band-edge measurements\_2402\_PEAK



Restrict-band band-edge measurements\_2402\_AV



Restrict-band band-edge measurements\_2480\_PEAK



Restrict-band band-edge measurements\_2480\_AV

