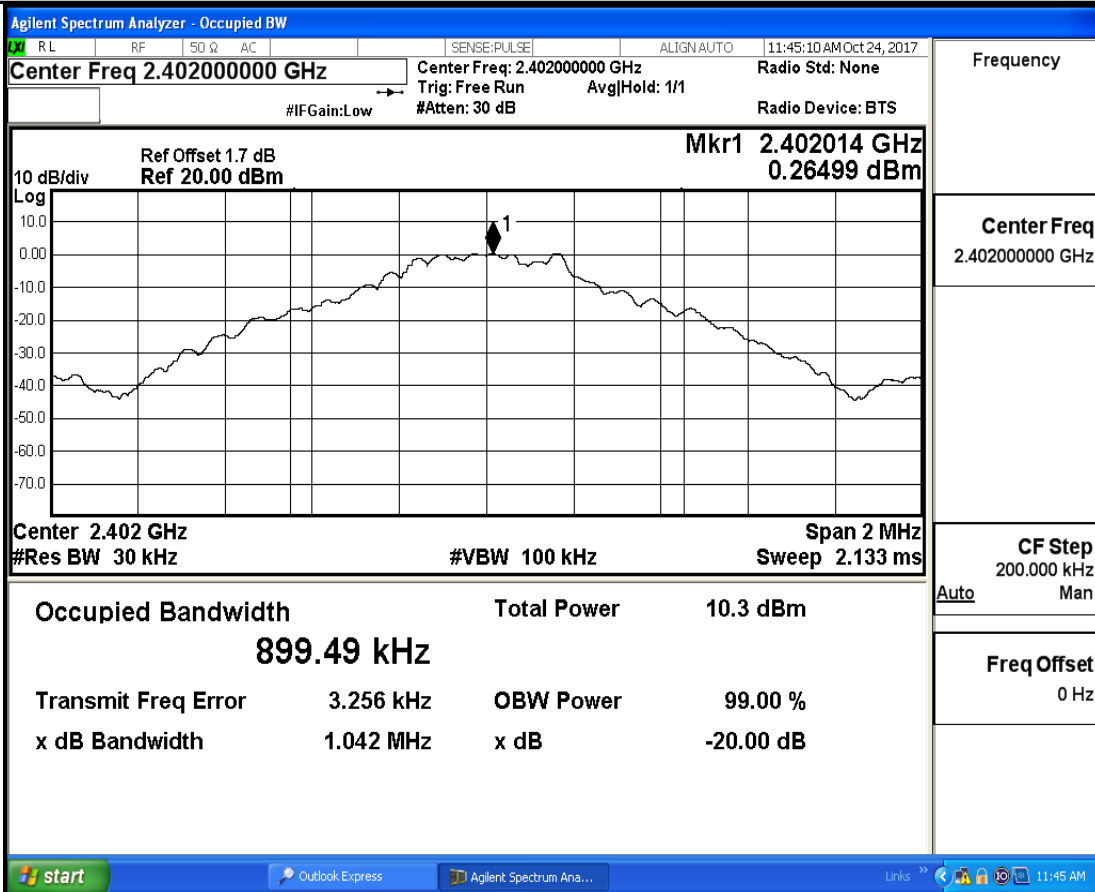


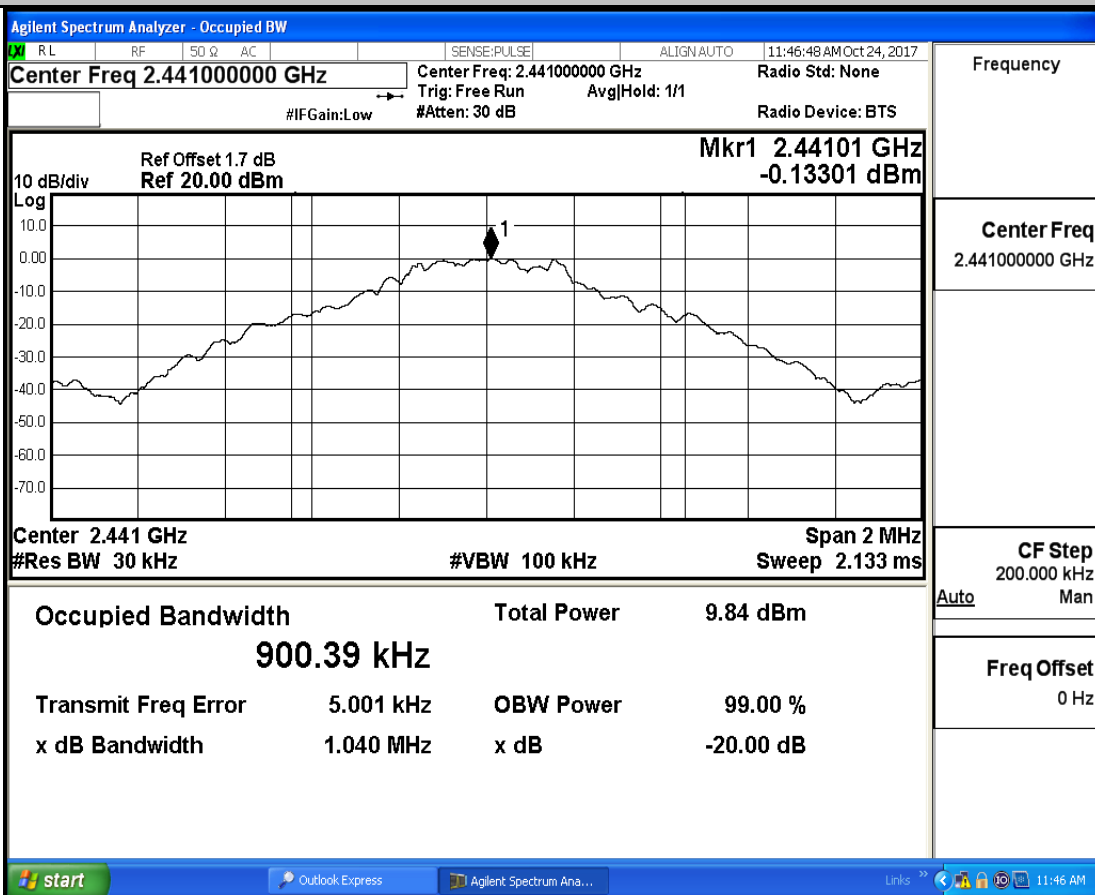
1.20 dB Bandwidth

| Test Mode | Test Channel | EBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|----------|------------|---------|
| DH5 | 2402 | 1.042 | --- | PASS |
| DH5 | 2441 | 1.040 | --- | PASS |
| DH5 | 2480 | 1.036 | --- | PASS |
| 2DH5 | 2402 | 1.320 | --- | PASS |
| 2DH5 | 2441 | 1.291 | --- | PASS |
| 2DH5 | 2480 | 1.291 | --- | PASS |
| 3DH5 | 2402 | 1.292 | --- | PASS |
| 3DH5 | 2441 | 1.297 | --- | PASS |
| 3DH5 | 2480 | 1.295 | --- | PASS |

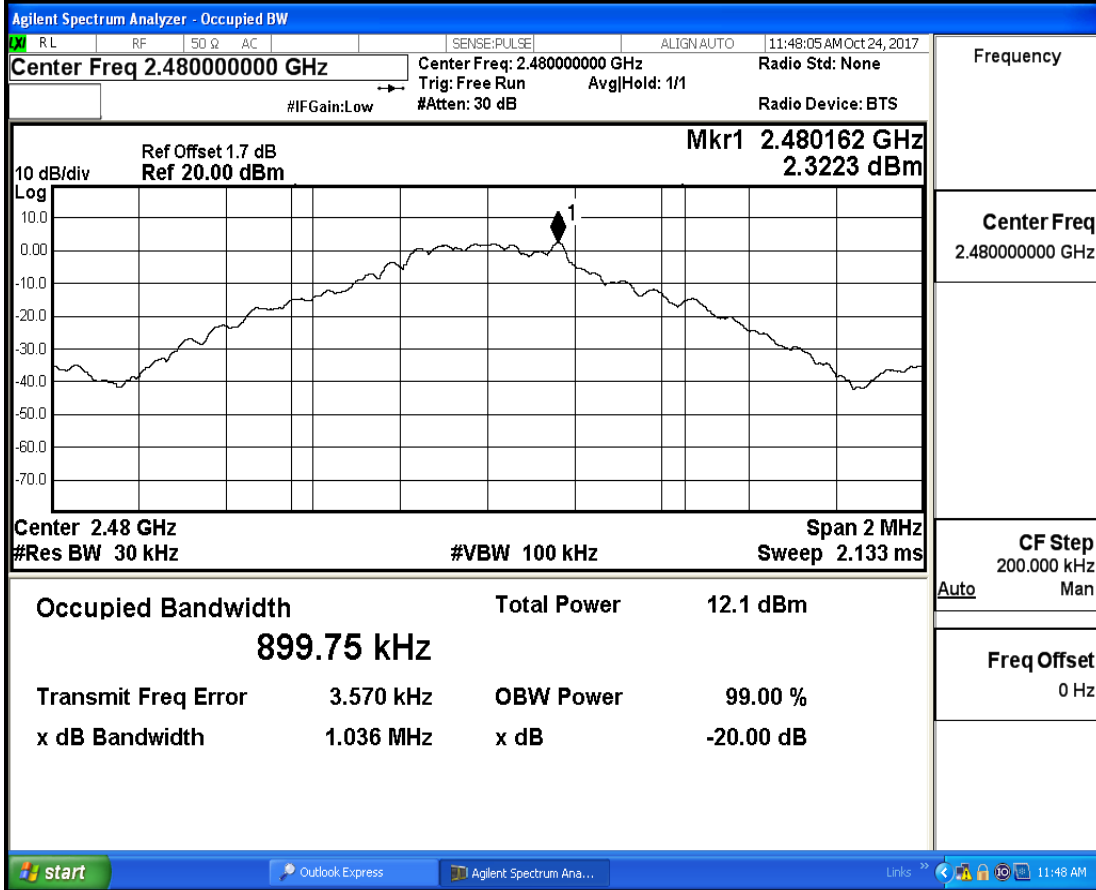
20 dB Bandwidth_DH5_2402



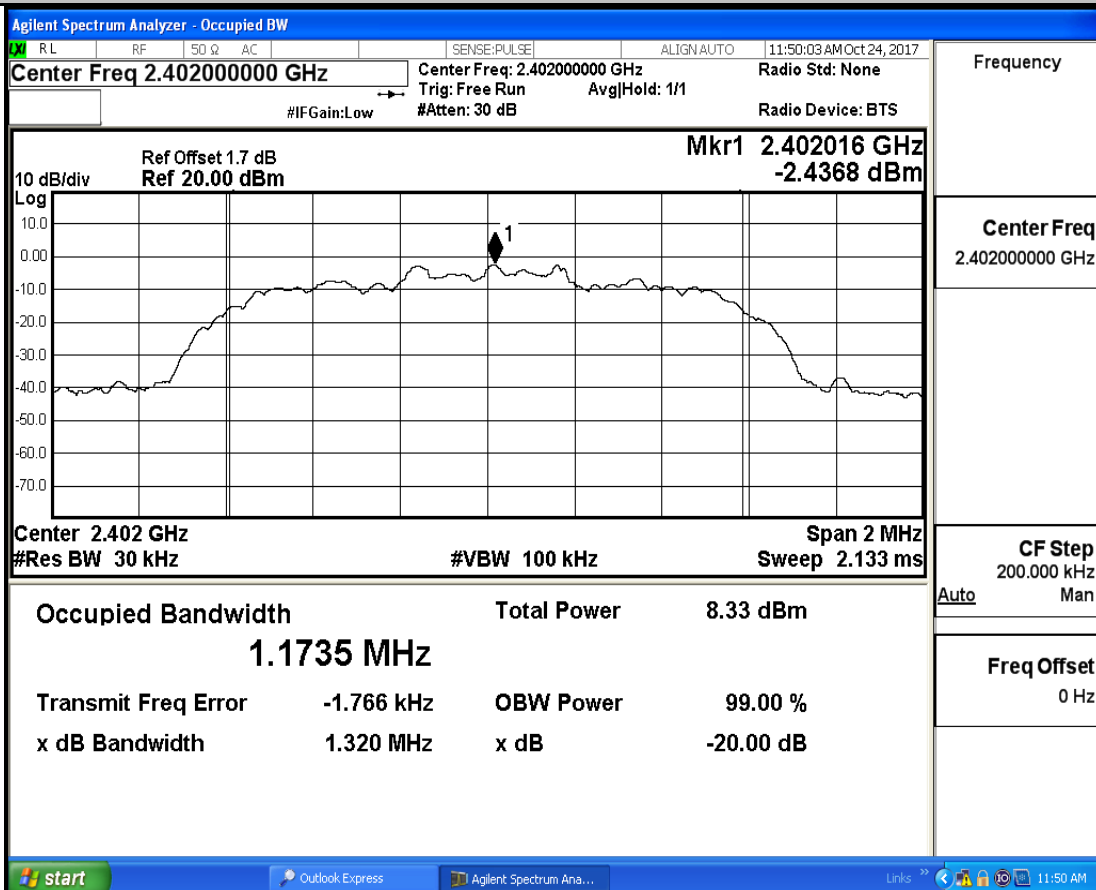
20 dB Bandwidth_DH5_2441



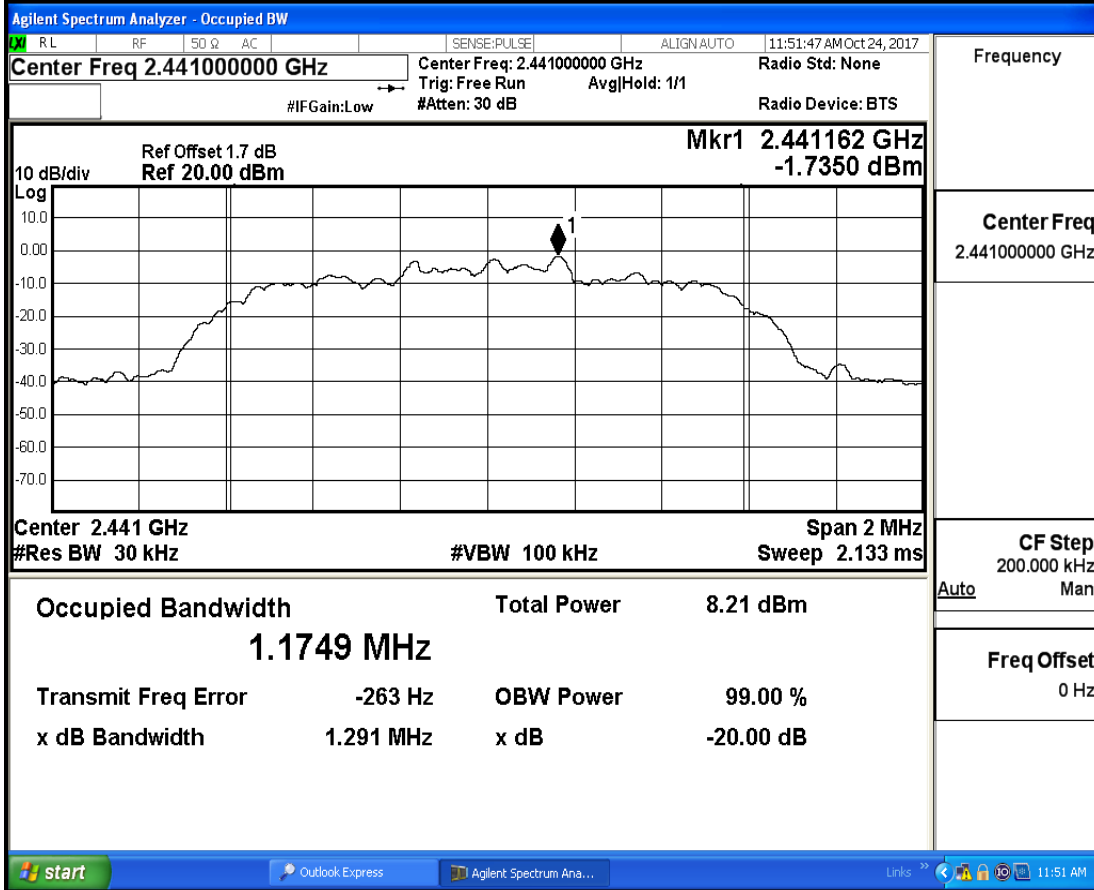
20 dB Bandwidth_DH5_2480



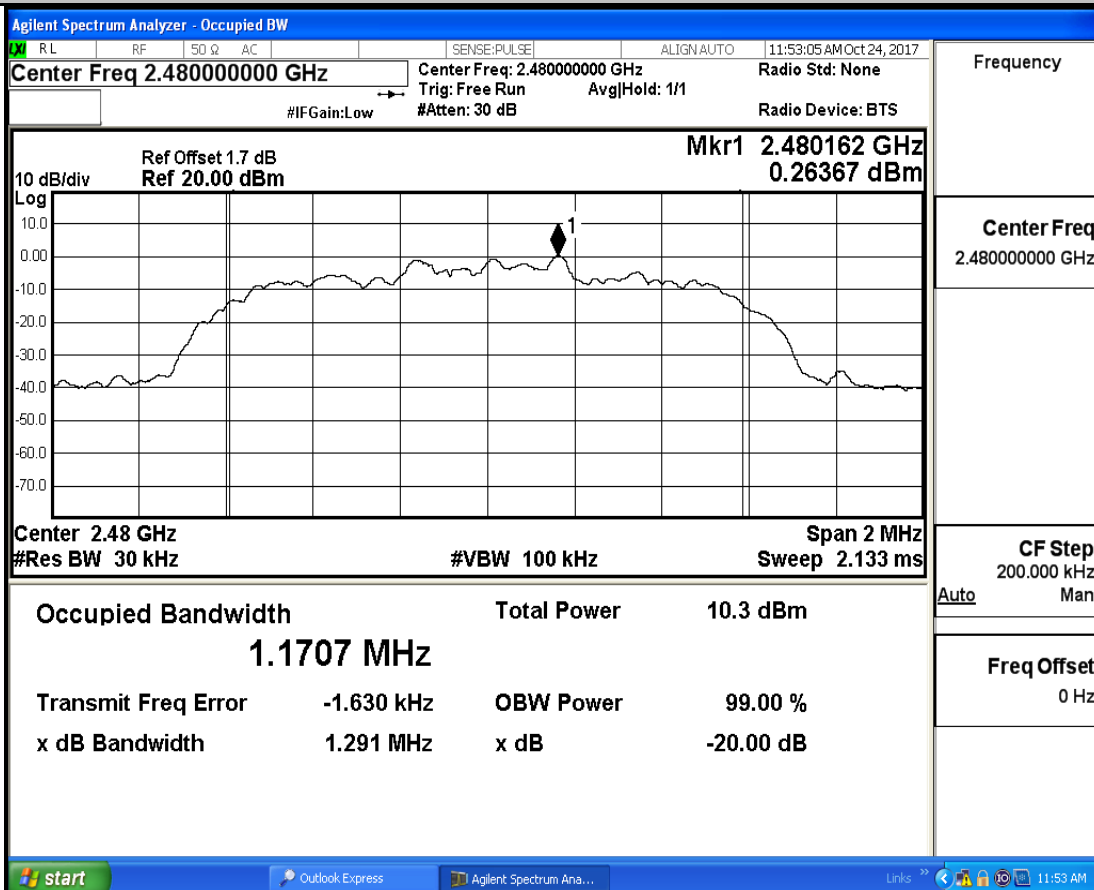
20 dB Bandwidth_2DH5_2402



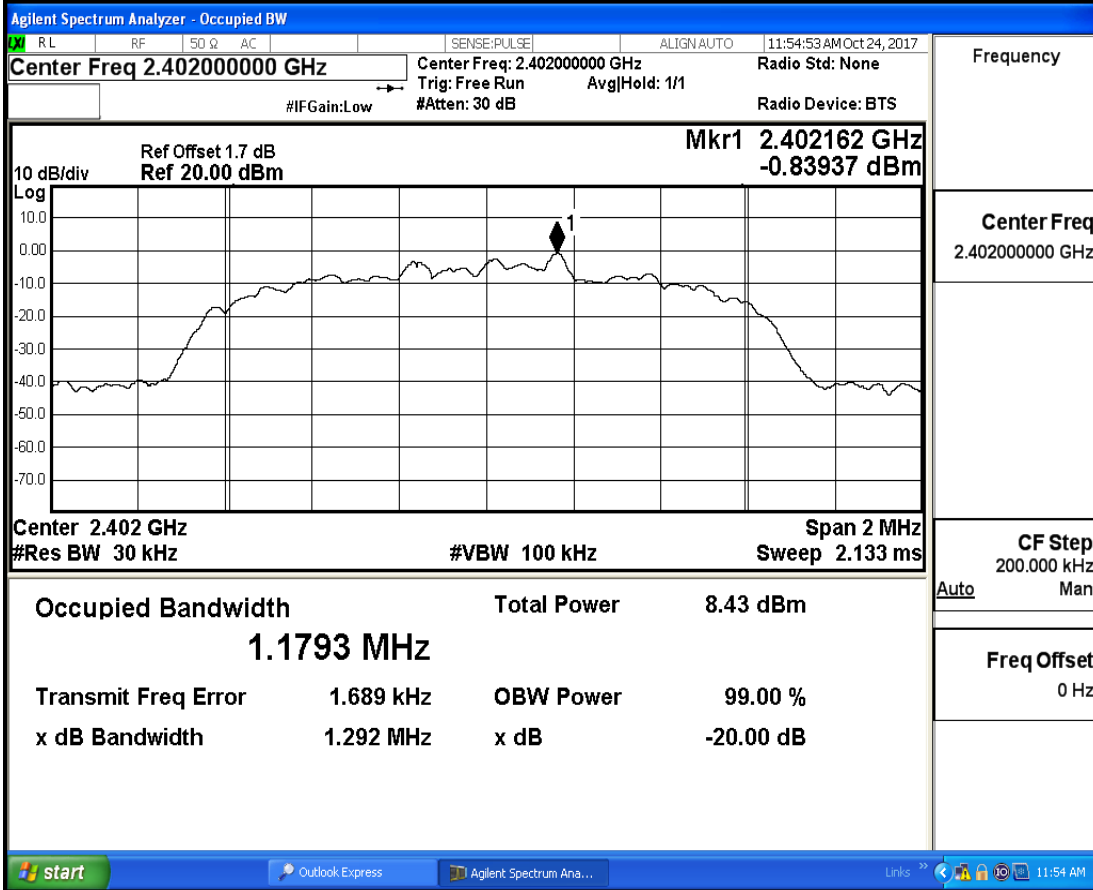
20 dB Bandwidth_2DH5_2441



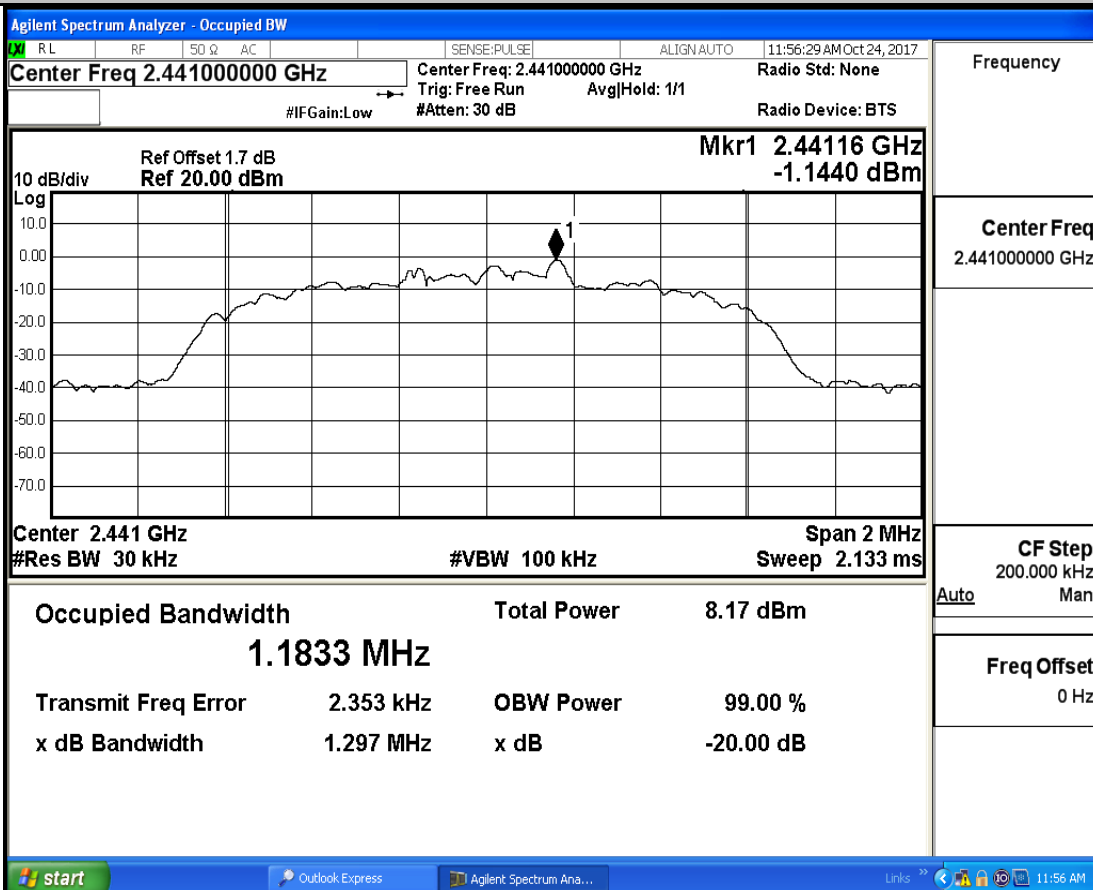
20 dB Bandwidth_2DH5_2480



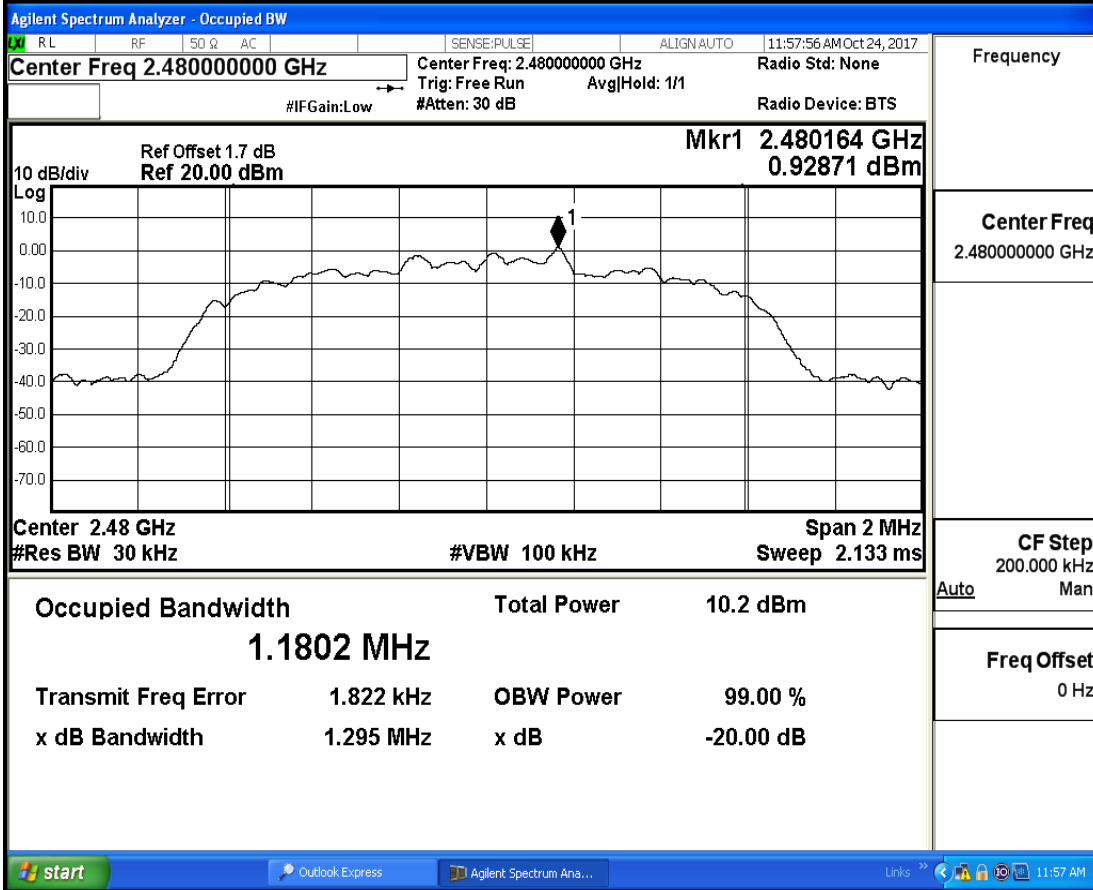
20 dB Bandwidth_3DH5_2402



20 dB Bandwidth_3DH5_2441



20 dB Bandwidth_3DH5_2480



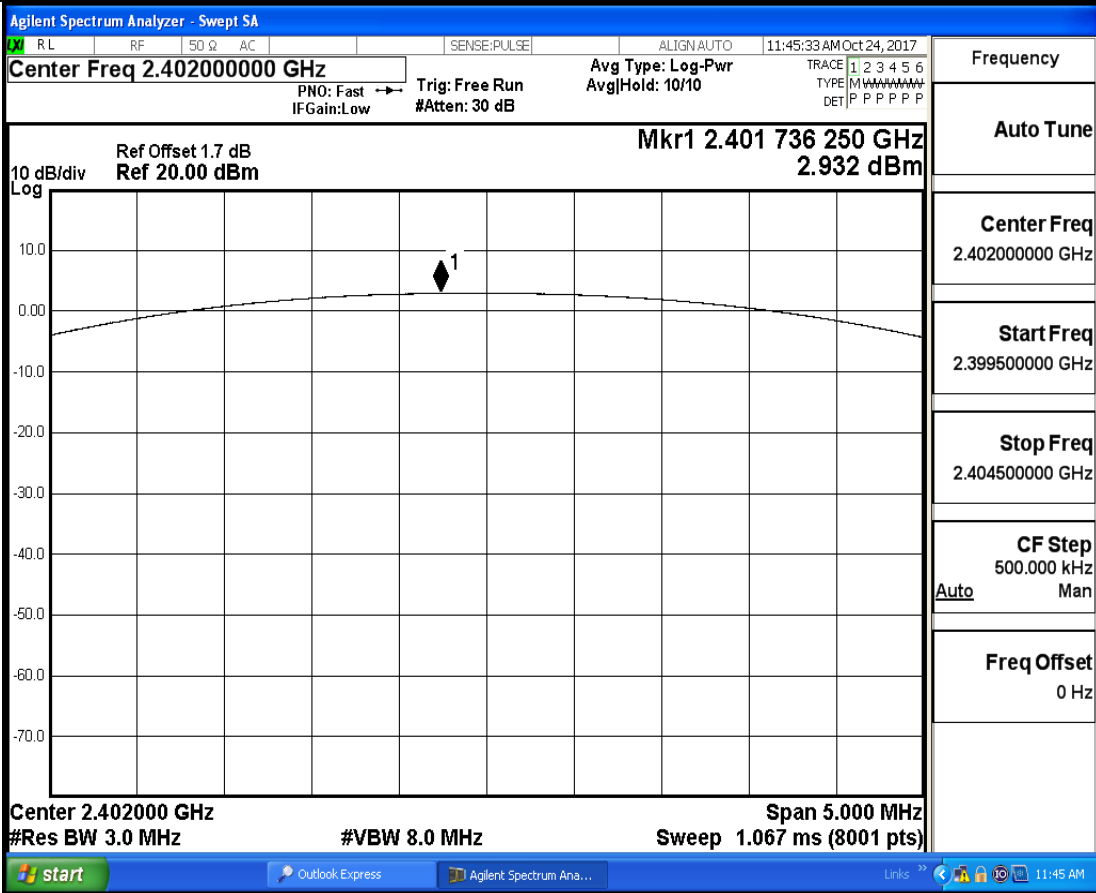
2.Occupied Bandwidth

| Test Mode | Test Channel | OBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|----------|------------|---------|
|-----------|--------------|----------|------------|---------|

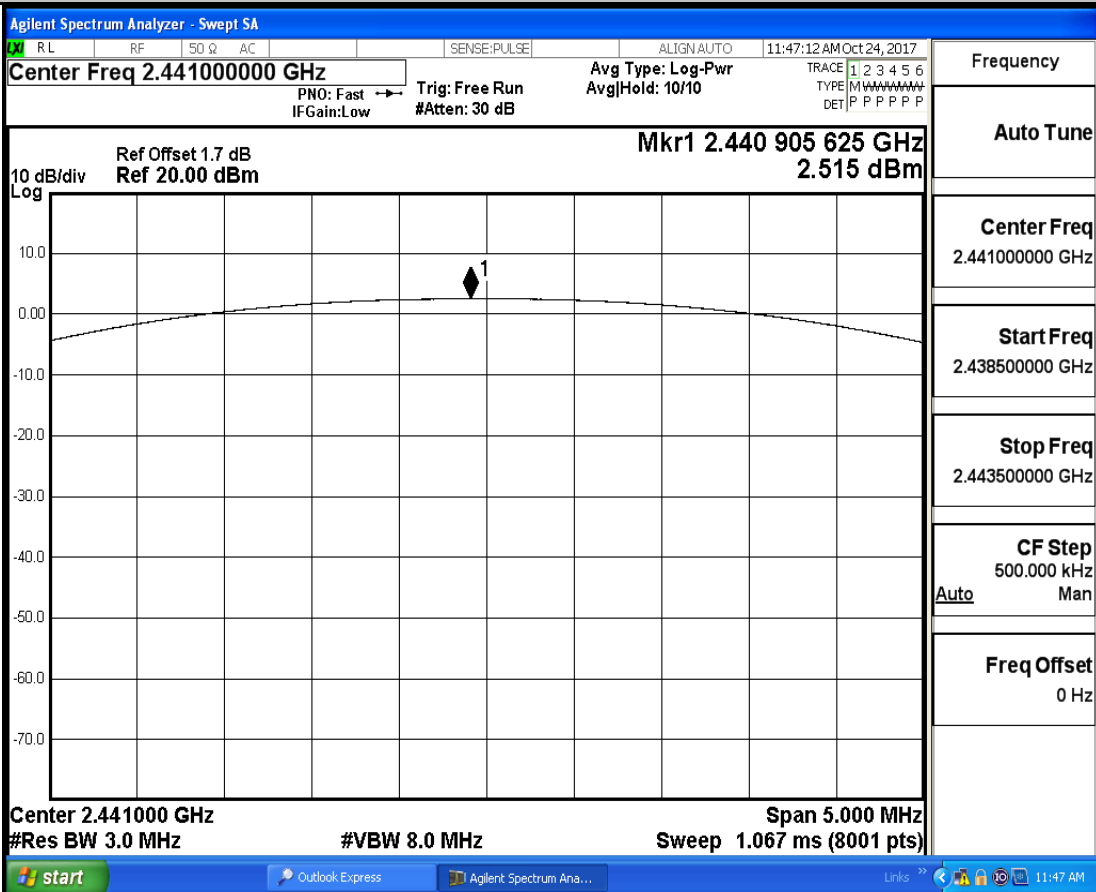
3.Conducted Peak Output Power

| Test Mode | Test Channel | Power[dBm] | Limit[dBm] | Verdict |
|-----------|--------------|------------|------------|---------|
| DH5 | 2402 | 2.932 | 30 | PASS |
| DH5 | 2441 | 2.515 | 30 | PASS |
| DH5 | 2480 | 4.700 | 30 | PASS |
| 2DH5 | 2402 | 2.186 | 30 | PASS |
| 2DH5 | 2441 | 1.895 | 30 | PASS |
| 2DH5 | 2480 | 3.963 | 30 | PASS |
| 3DH5 | 2402 | 2.310 | 30 | PASS |
| 3DH5 | 2441 | 1.989 | 30 | PASS |
| 3DH5 | 2480 | 4.107 | 30 | PASS |

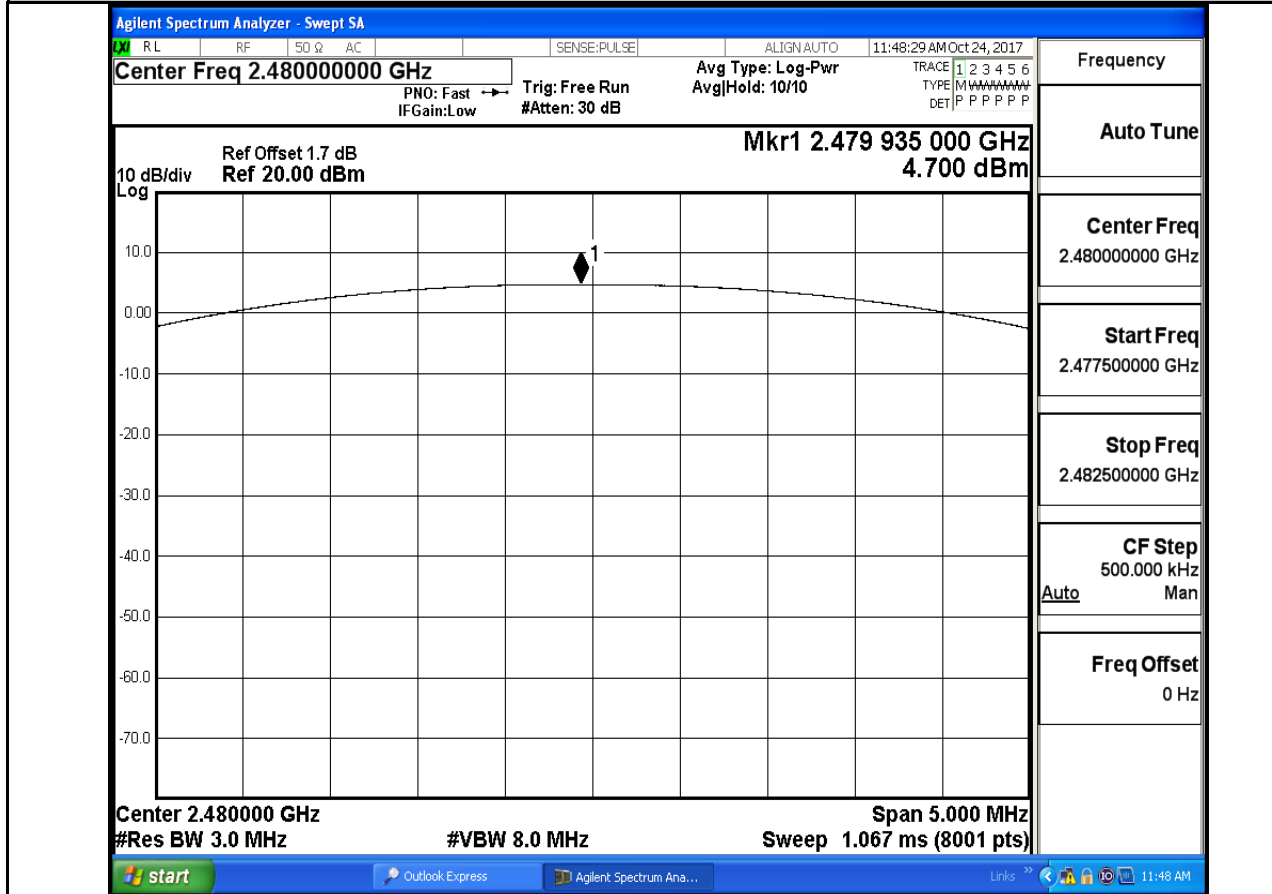
Conducted Peak Output Power_DH5_2402



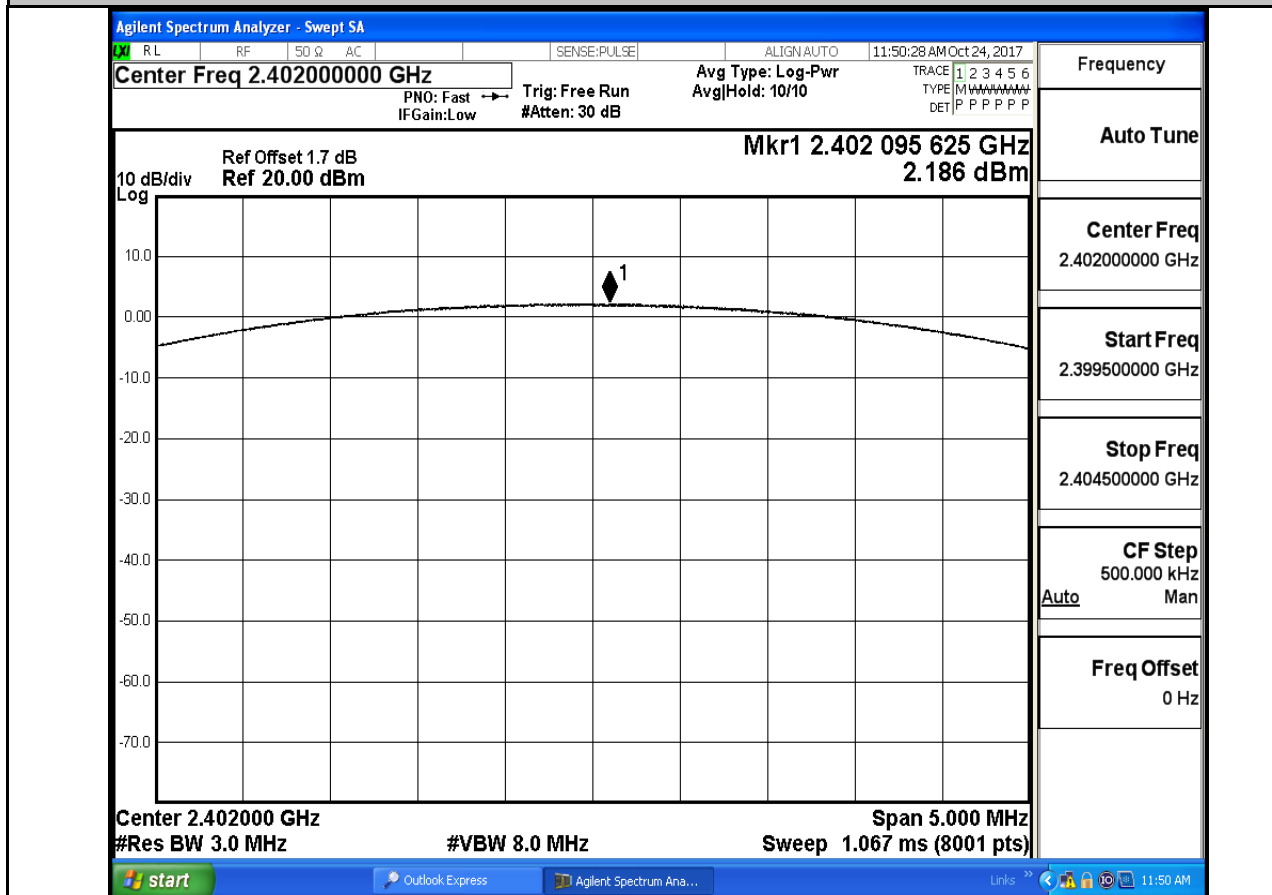
Conducted Peak Output Power_DH5_2441



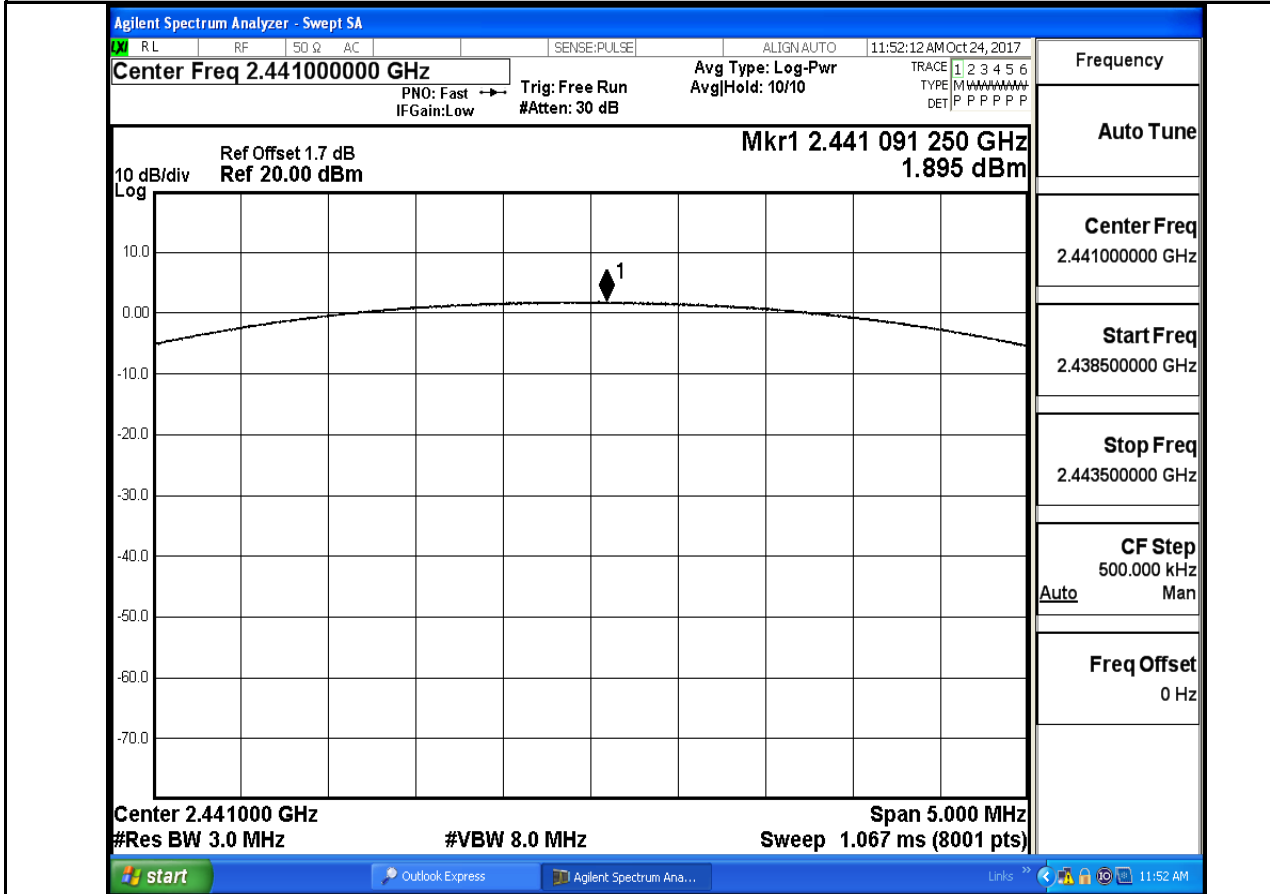
Conducted Peak Output Power_DH5_2480



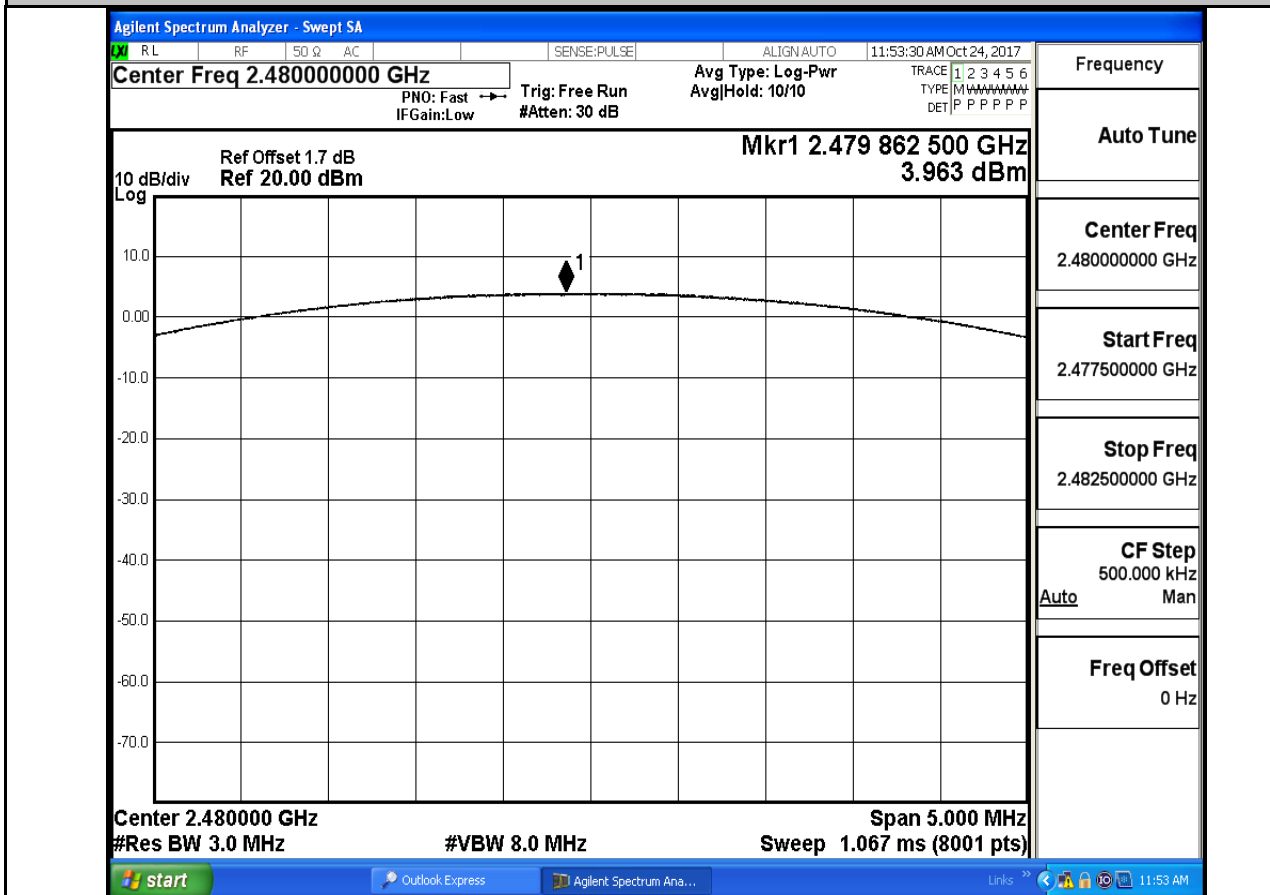
Conducted Peak Output Power_2DH5_2402



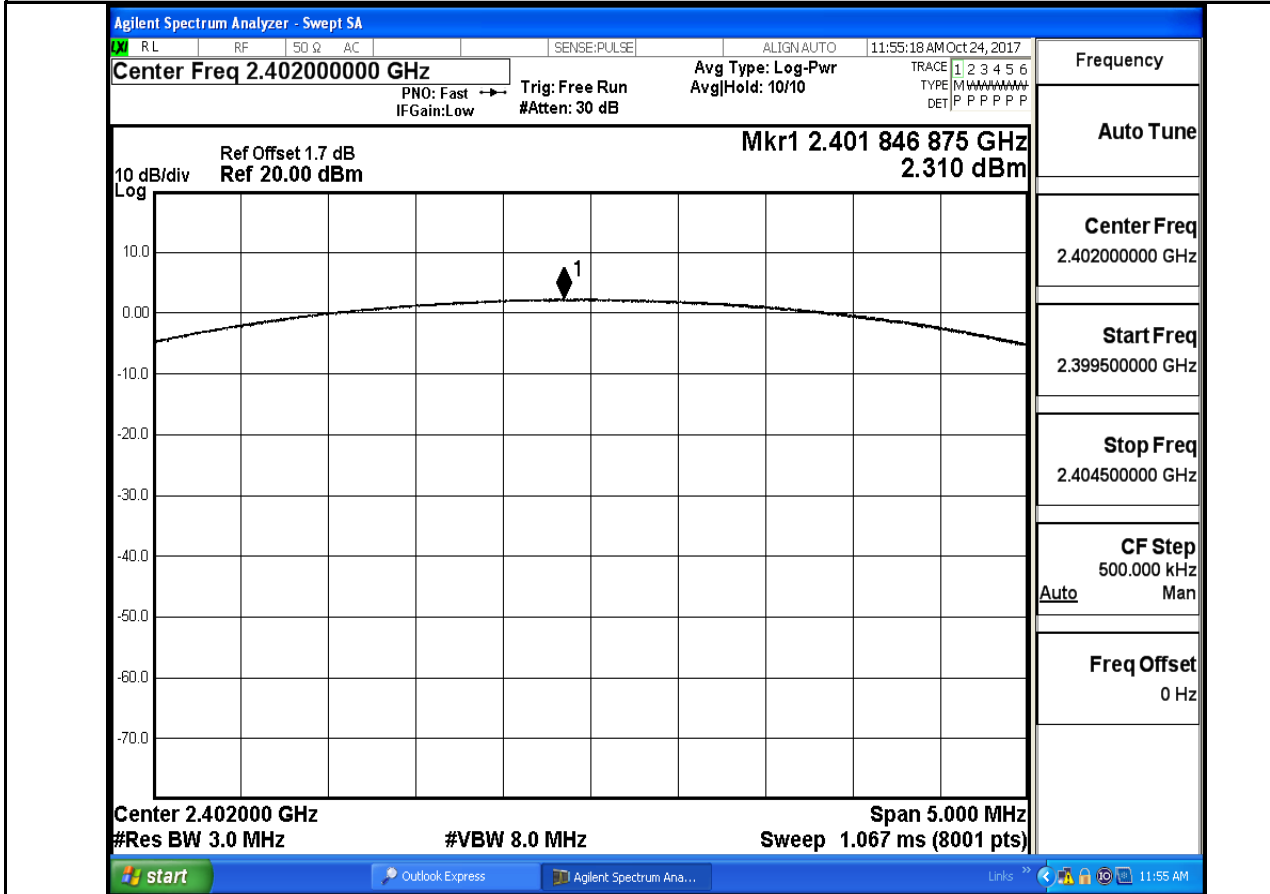
Conducted Peak Output Power_2DH5_2441



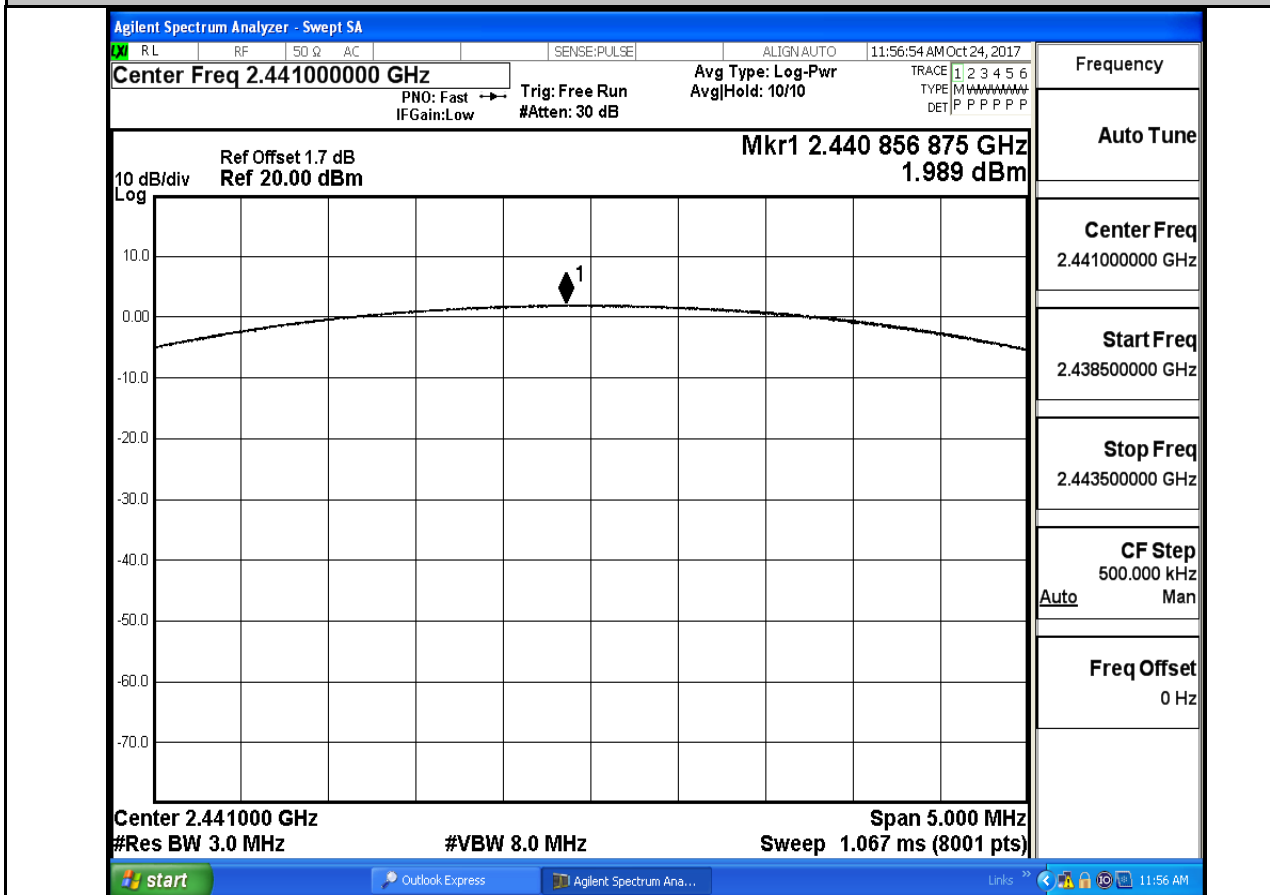
Conducted Peak Output Power_2DH5_2480



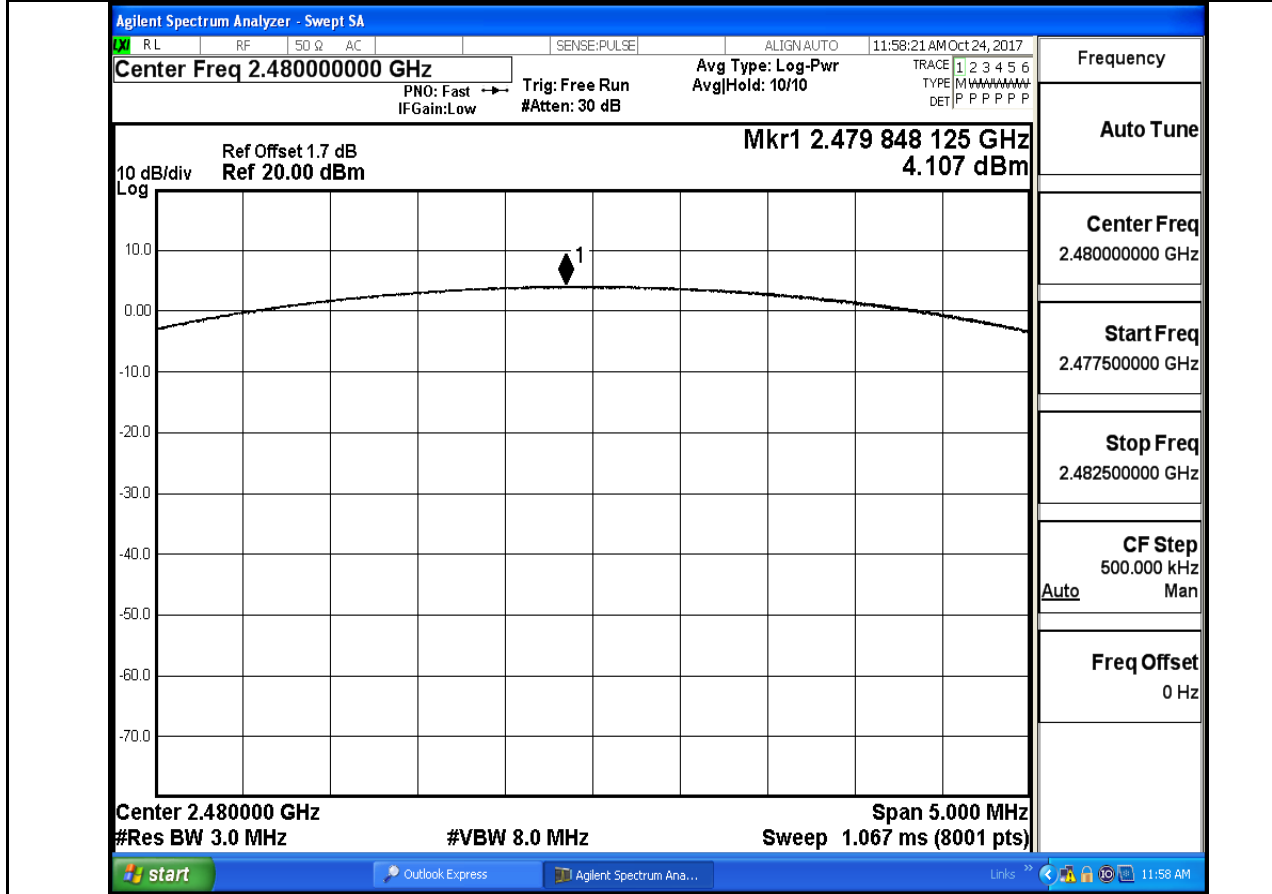
Conducted Peak Output Power_3DH5_2402



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 | 2402 | 1.002 | 0.689 | PASS |
| DH5 | 2480 | 0.970 | 0.689 | PASS |
| DH5 | 2441 | 1.168 | 0.687 | PASS |
| 2DH5 | 2402 | 1.164 | 0.859 | PASS |
| 2DH5 | 2441 | 1.122 | 0.859 | PASS |
| 2DH5 | 2480 | 1.156 | 0.861 | PASS |
| 3DH5 | 2402 | 1.138 | 0.860 | PASS |
| 3DH5 | 2441 | 0.982 | 0.863 | PASS |
| 3DH5 | 2480 | 1.160 | 0.863 | PASS |

Carrier Frequency Separation_3DH5_2480

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 02:00:03 PM Oct 24, 2017

Center Freq 2.479500000 GHz

PN0: Wide → Trig: Free Run #Avg Type: RMS
IFGain:Low #Atten: 30 dB AvgJHold: 10/10

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W W
DET P P P P P P P

Ref Offset 1.7 dB **ΔMkr1 1.160 MHz**
Ref 20.00 dBm **0.855 dB**

Auto Tune

10 dB/div Log

Start 2.478500 GHz
#Res BW 100 kHz

#VBW 300 kHz

Stop 2.480500 GHz
Sweep 1.000 ms (1001 pts)

| MKR | MODE | TRC | SCL | X | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|---------------|------------|----------|----------------|----------------|
| 1 | Δ2 | f | (Δ) | 1.160 MHz (Δ) | 0.855 dB | | | |
| 2 | F | f | | 2.479.006 GHz | -0.787 dBm | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |

CF Step 200.000 kHz
Auto Man

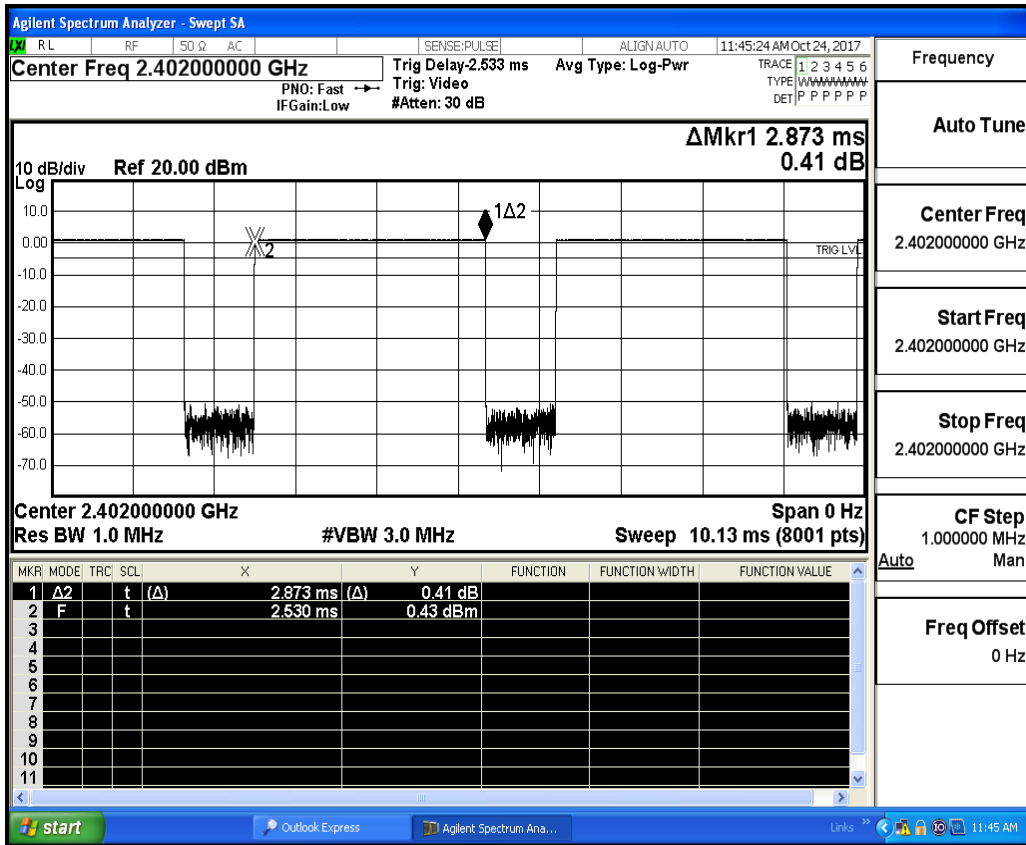
Freq Offset 0 Hz

start Outlook Express Agilent Spectrum Ana...
Links 2:00 PM

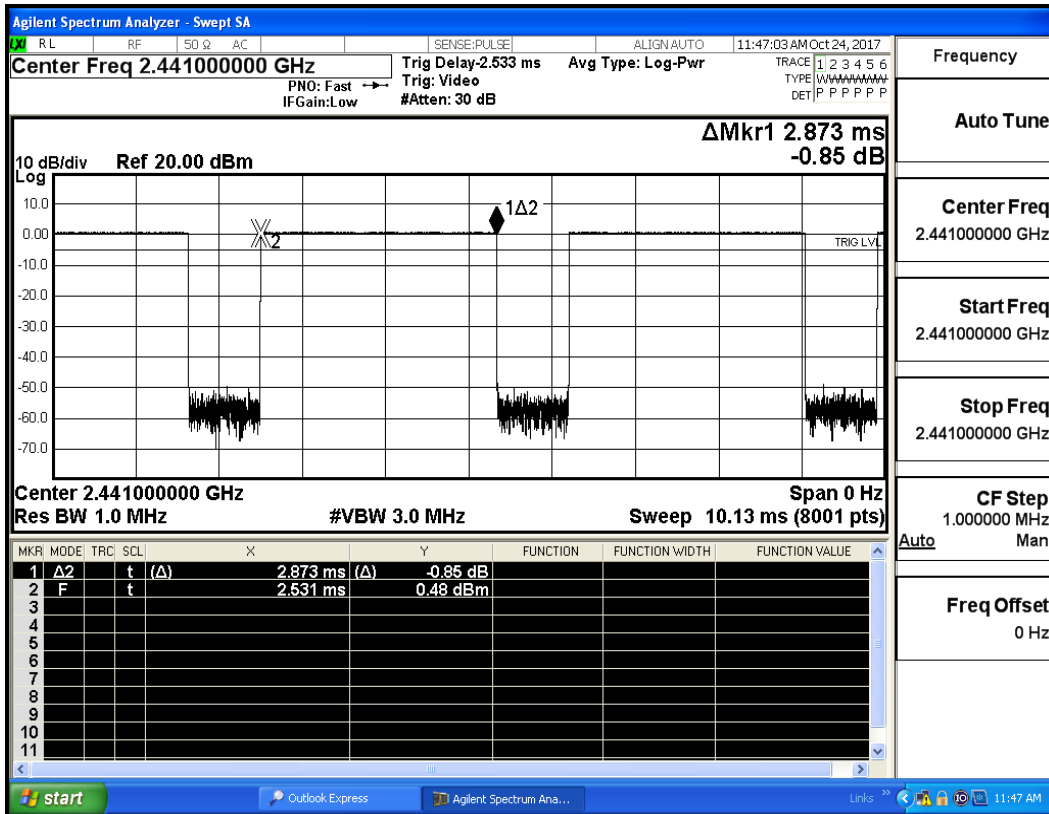
5.Dwell Time

| 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 |

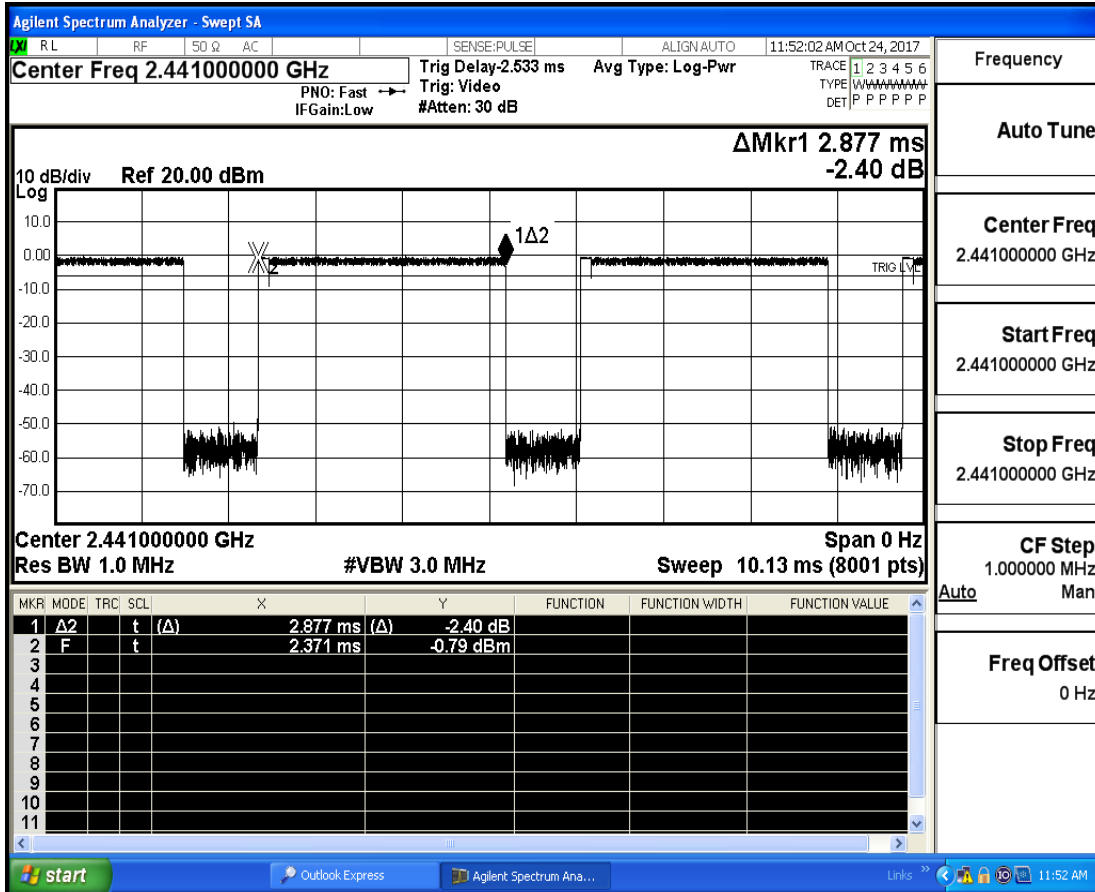
Dwell Time_DH5_2402



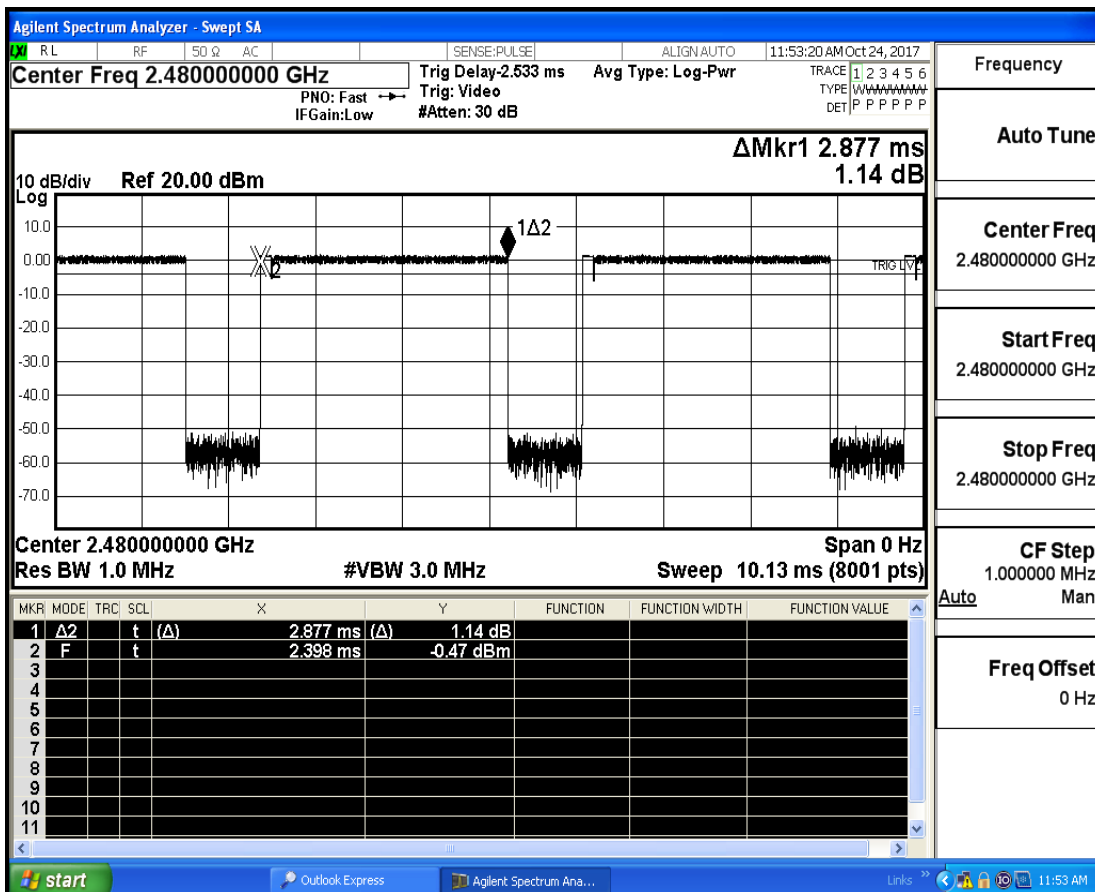
Dwell Time_DH5_2441



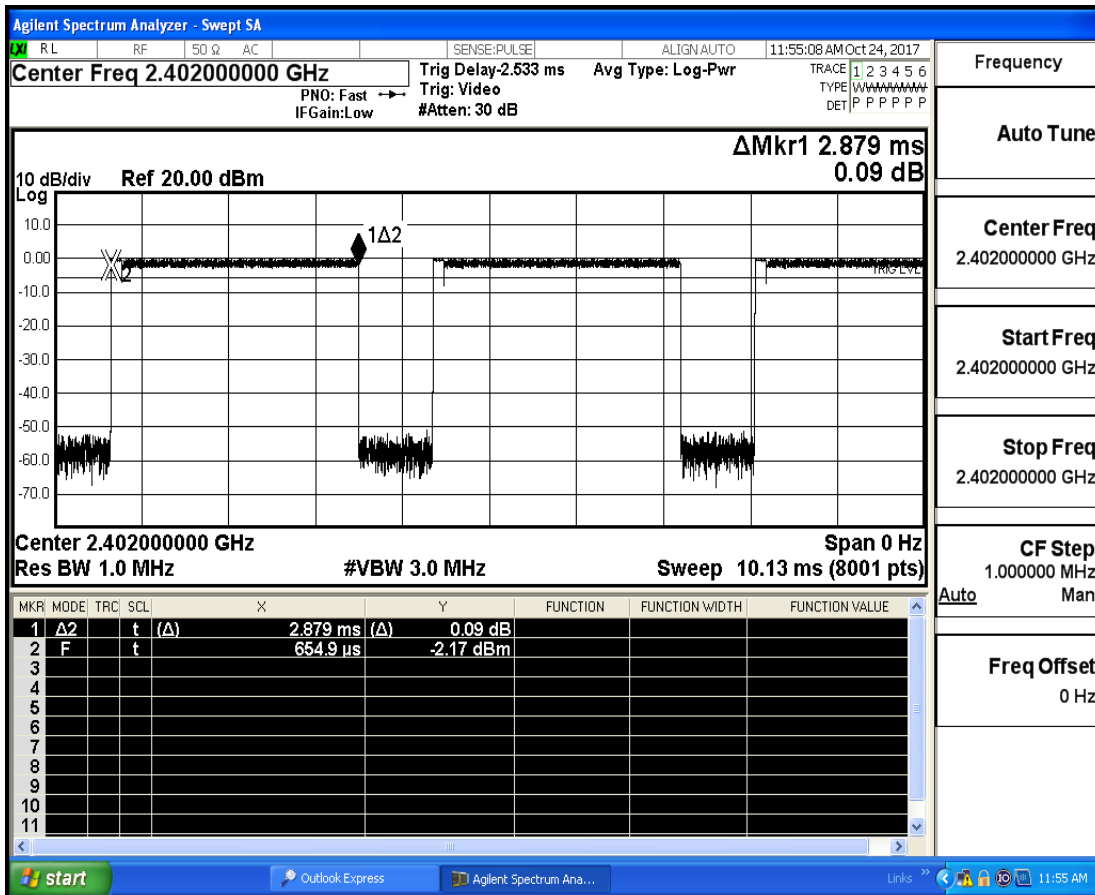
Dwell Time_2DH5_2441



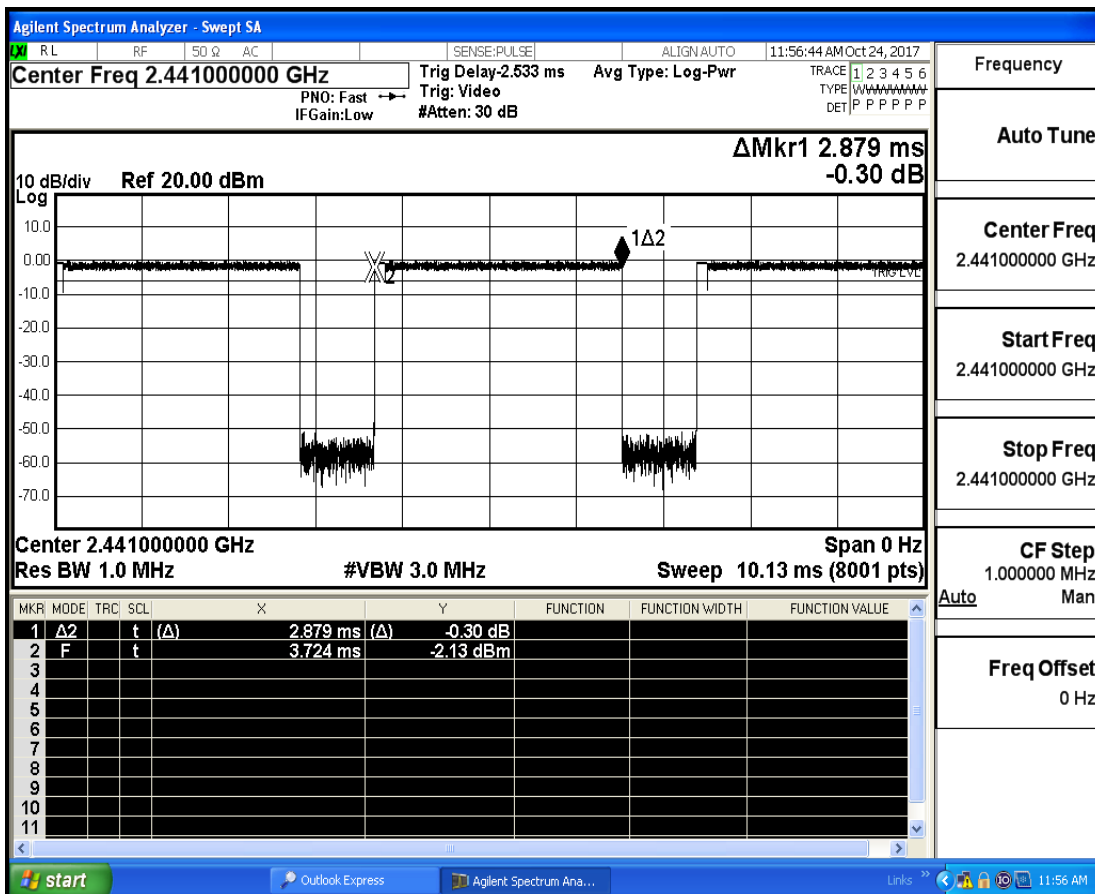
Dwell Time_2DH5_2480



Dwell Time_3DH5_2402



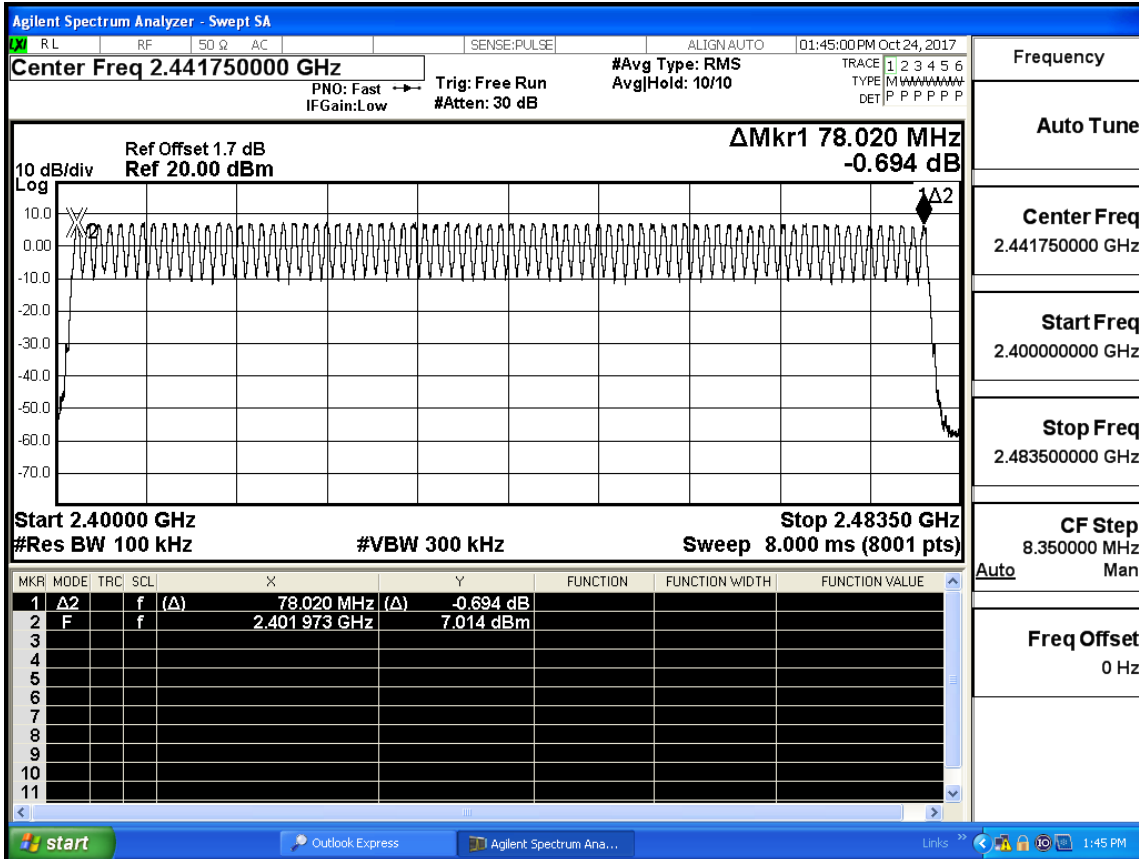
Dwell Time_3DH5_2441



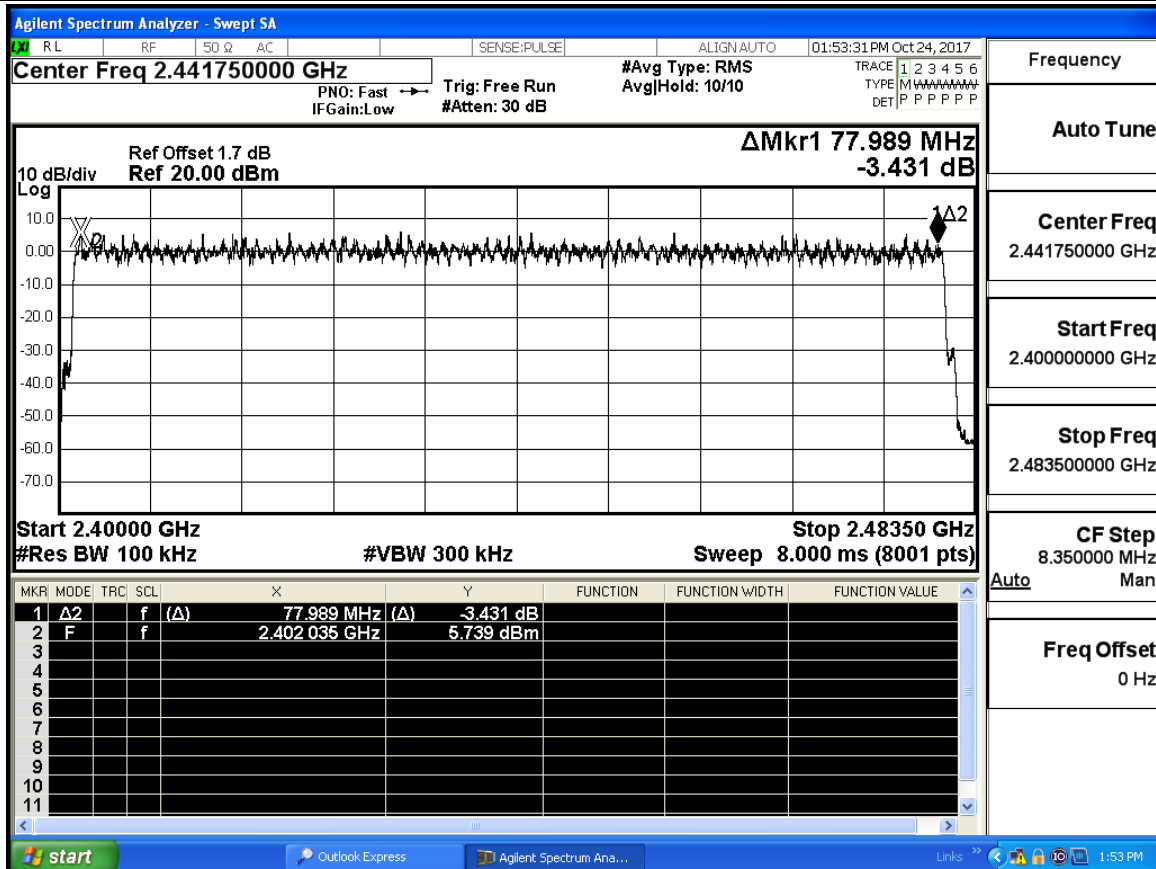
6.Hopping Channel Number

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

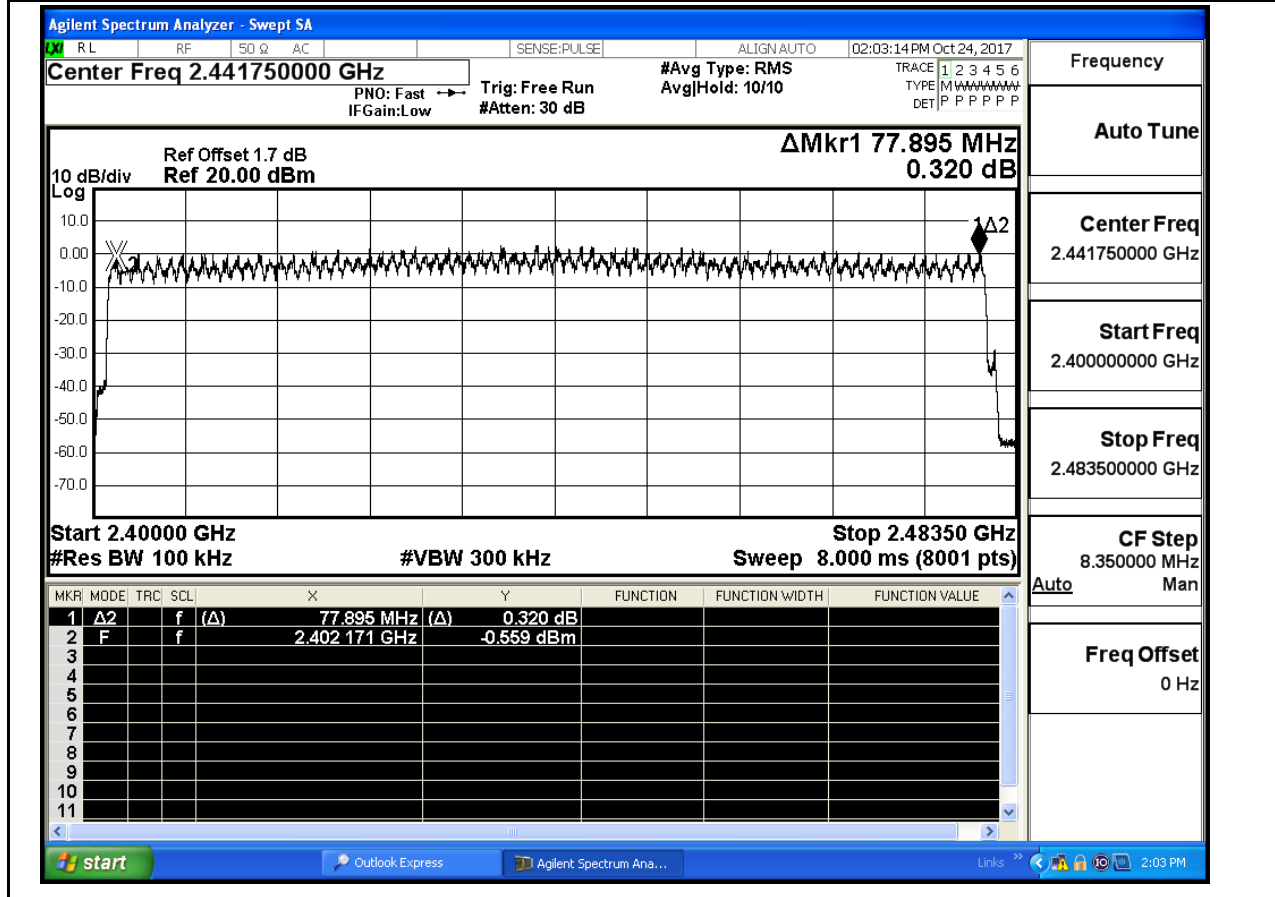
Hopping Channel Number_DH5_2402



Hopping Channel Number_2DH5_2402



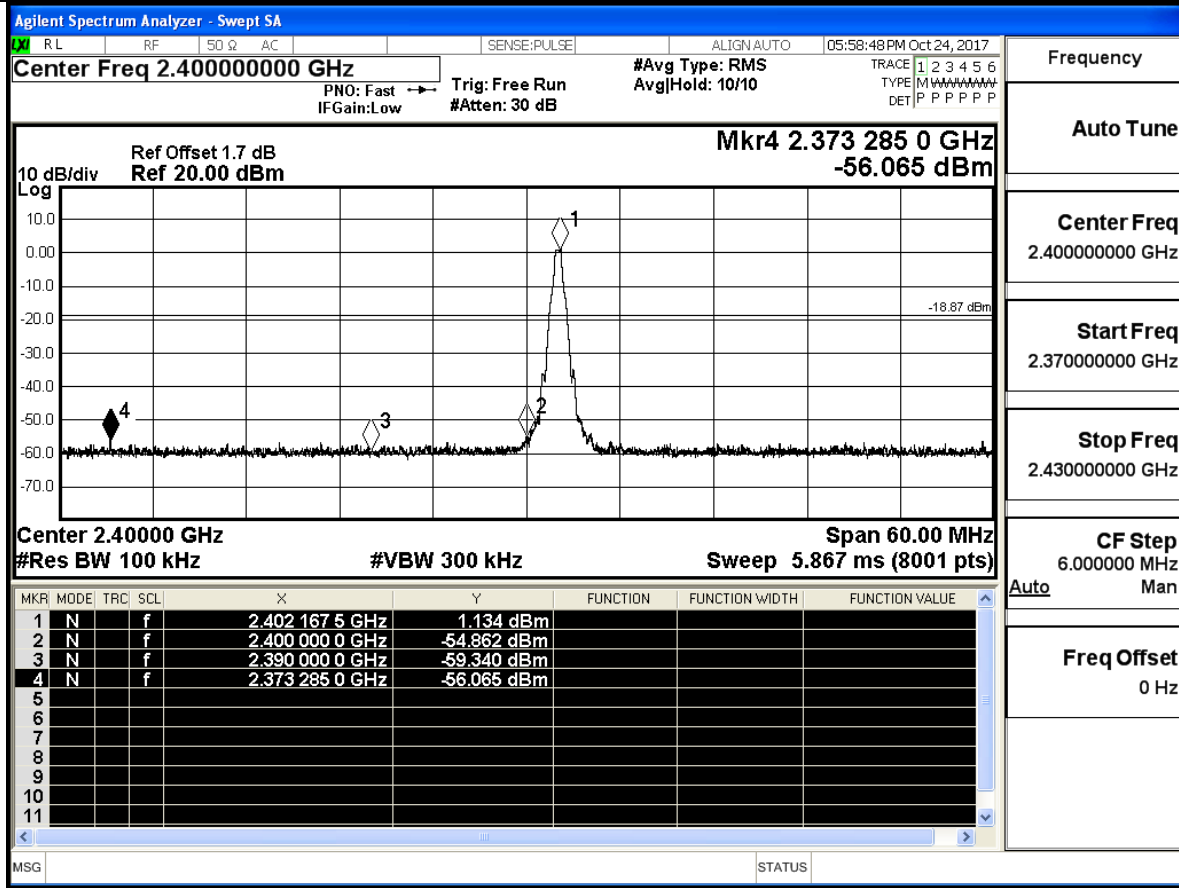
Hopping Channel Number_3DH5_2402



7.Band-edge for RF Conducted Emissions

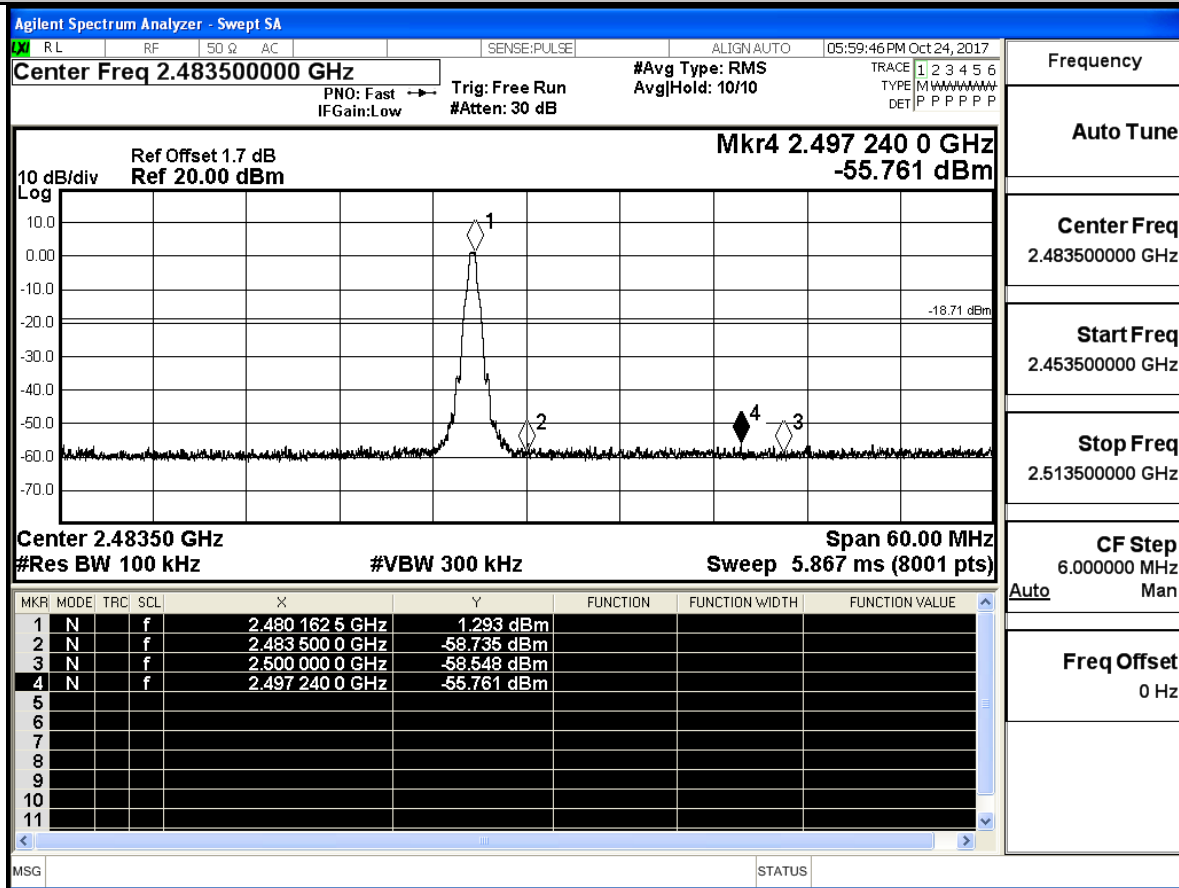
| Test Mode | Test Channel | Hopping | Carrier Power[dBm] | Max. Spurious Level [dBm] | Limit[dBm] | Verdict |
|-----------|--------------|---------|--------------------|---------------------------|------------|---------|
| DH5 | 2402 | Off | 2.523 | -56.695 | -17.48 | PASS |
| DH5 | 2480 | Off | 4.476 | -56.084 | -15.52 | PASS |
| 2DH5 | 2402 | Off | 0.128 | -56.477 | -19.87 | PASS |
| 2DH5 | 2480 | Off | 2.401 | -56.048 | -17.6 | PASS |
| 3DH5 | 2402 | Off | 1.316 | -55.883 | -18.68 | PASS |
| 3DH5 | 2480 | Off | 2.777 | -56.709 | -17.22 | PASS |
| DH5 | 2480 | On | 1.134 | -55.981 | -13.05 | PASS |
| 2DH5 | 2402 | On | 1.026 | -55.816 | -18.97 | PASS |
| 2DH5 | 2480 | On | 1.483 | -55.845 | -18.52 | PASS |
| 3DH5 | 2402 | On | 1.673 | -55.717 | -18.33 | PASS |
| 3DH5 | 2480 | On | 1.499 | -55.121 | -18.5 | PASS |
| DH5 | 2402 | On | 1.293 | -56.274 | -16.88 | PASS |

Band-edge for RF Conducted Emissions_DH5_2402_Hopping Off



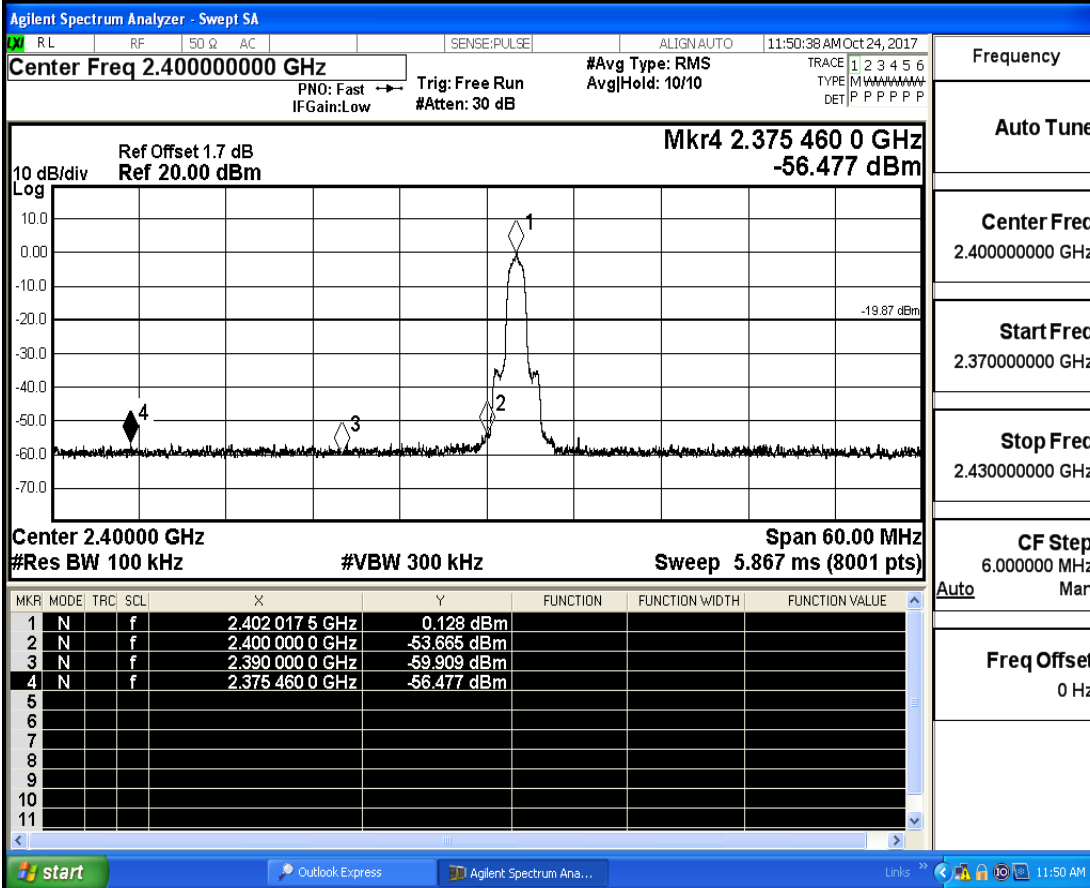
| |
|--------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.400000000 GHz |
| Start Freq 2.370000000 GHz |
| Stop Freq 2.430000000 GHz |
| CF Step 6.000000 MHz |
| Auto |
| Freq Offset 0 Hz |

Band-edge for RF Conducted Emissions_DH5_2480_Hopping Off



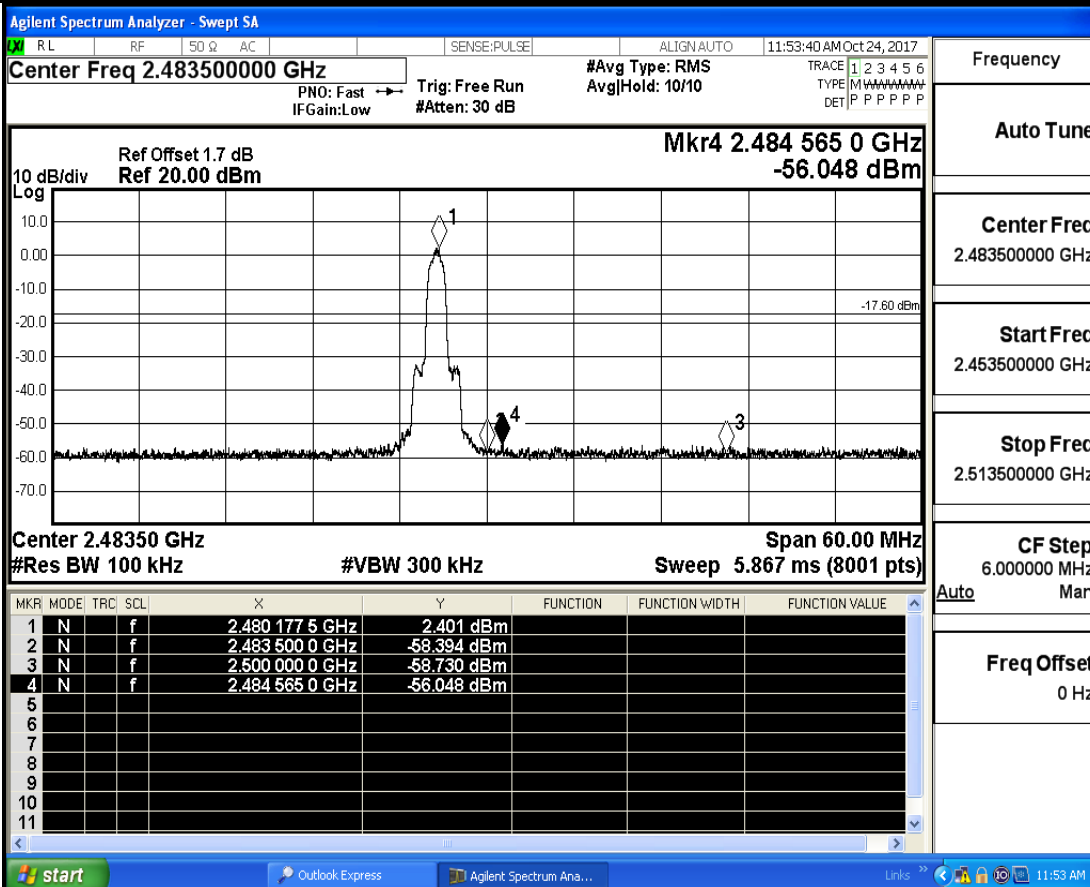
| |
|--------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.483500000 GHz |
| Start Freq 2.453500000 GHz |
| Stop Freq 2.513500000 GHz |
| CF Step 6.000000 MHz |
| Auto |
| Freq Offset 0 Hz |

Band-edge for RF Conducted Emissions_2DH5_2402_Hopping Off



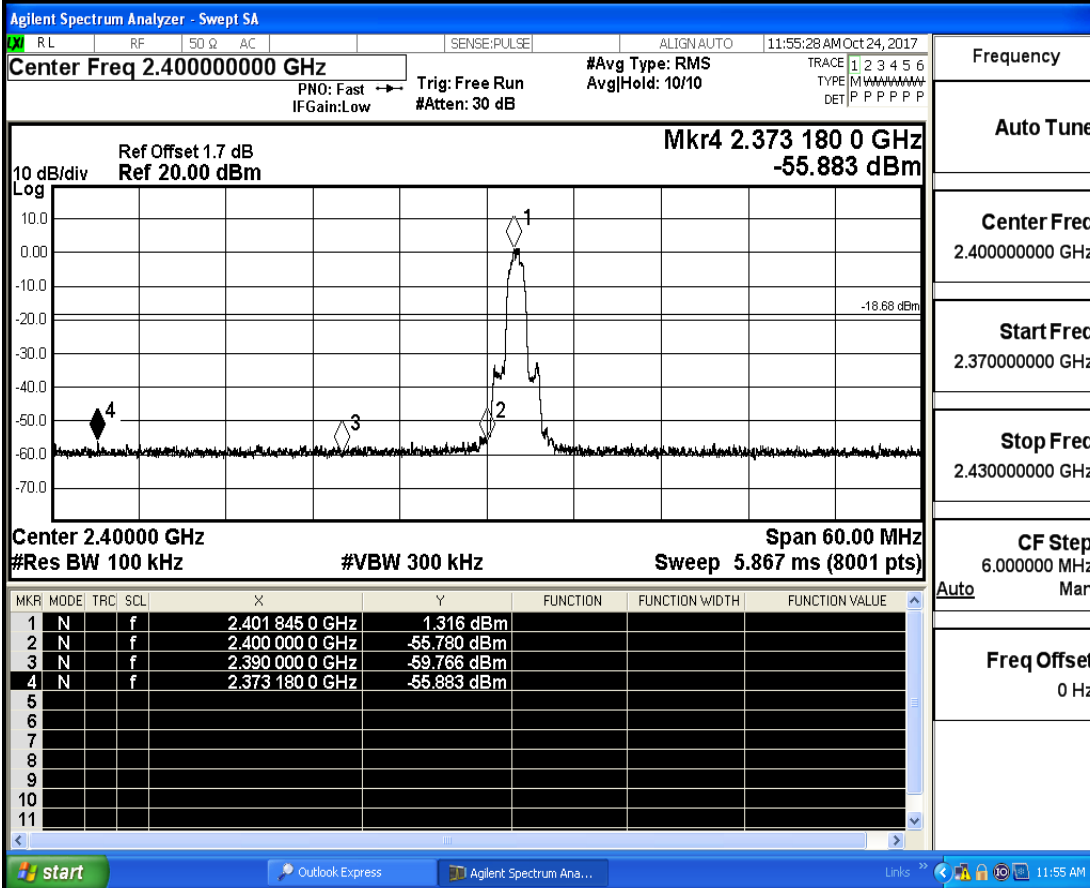
| | |
|-------------|----------------|
| Frequency | |
| Auto Tune | |
| Center Freq | 2.40000000 GHz |
| Start Freq | 2.37000000 GHz |
| Stop Freq | 2.43000000 GHz |
| CF Step | 6.000000 MHz |
| Freq Offset | 0 Hz |

Band-edge for RF Conducted Emissions_2DH5_2480_Hopping Off



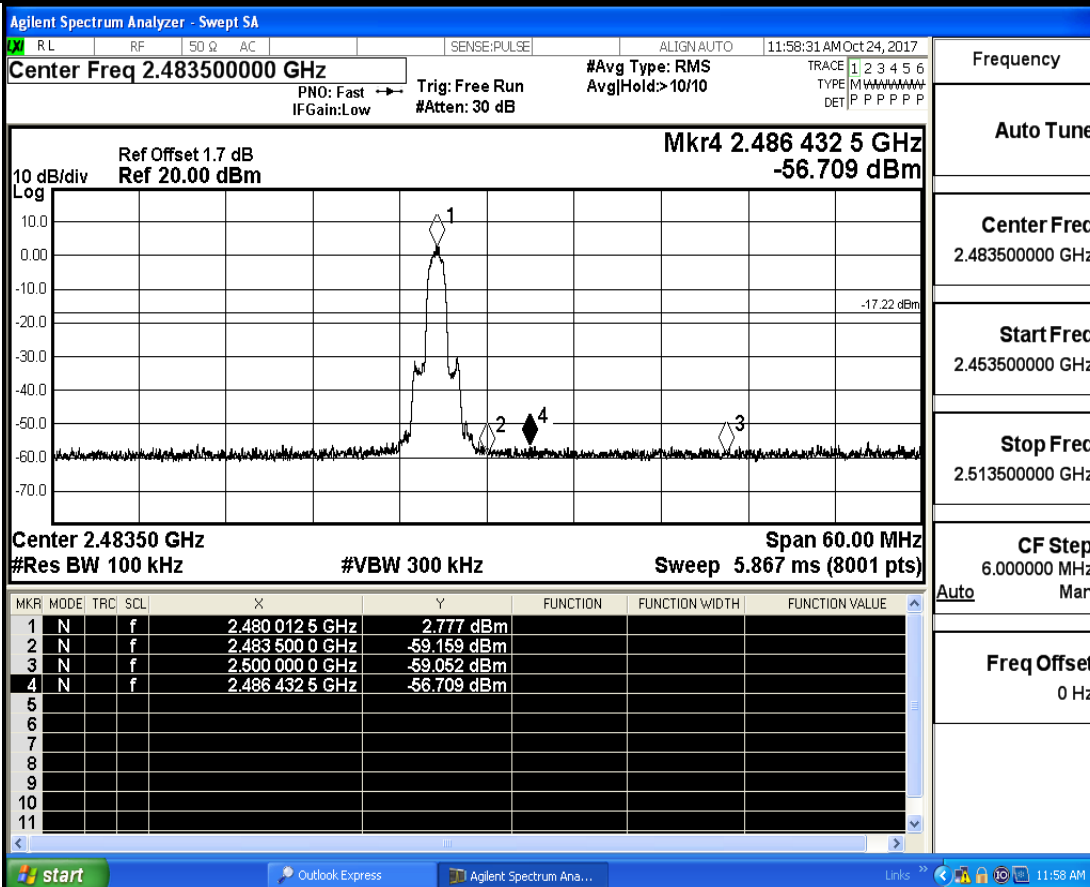
| | |
|-------------|----------------|
| Frequency | |
| Auto Tune | |
| Center Freq | 2.48350000 GHz |
| Start Freq | 2.45350000 GHz |
| Stop Freq | 2.51350000 GHz |
| CF Step | 6.000000 MHz |
| Freq Offset | 0 Hz |

Band-edge for RF Conducted Emissions_3DH5_2402_Hopping Off



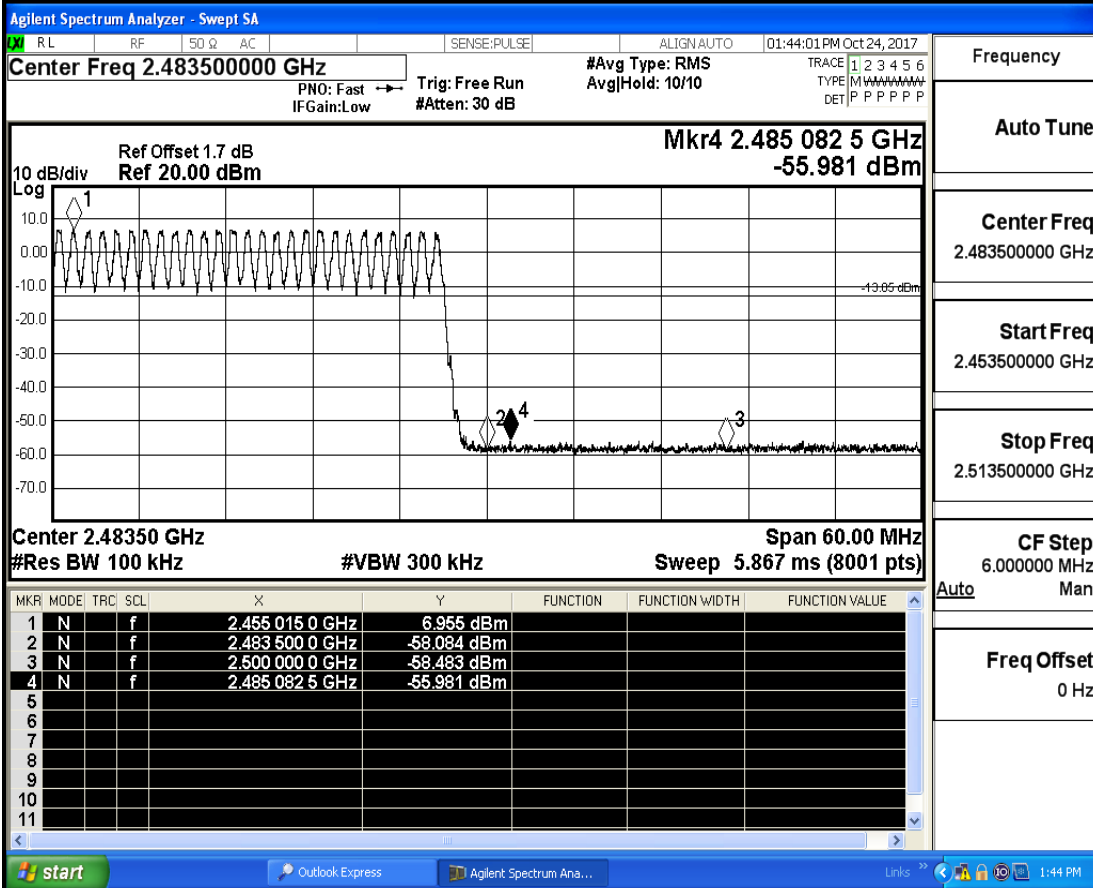
| | |
|-------------|----------------|
| Frequency | |
| Auto Tune | |
| Center Freq | 2.40000000 GHz |
| Start Freq | 2.37000000 GHz |
| Stop Freq | 2.43000000 GHz |
| CF Step | 6.000000 MHz |
| Freq Offset | 0 Hz |

Band-edge for RF Conducted Emissions_3DH5_2480_Hopping Off

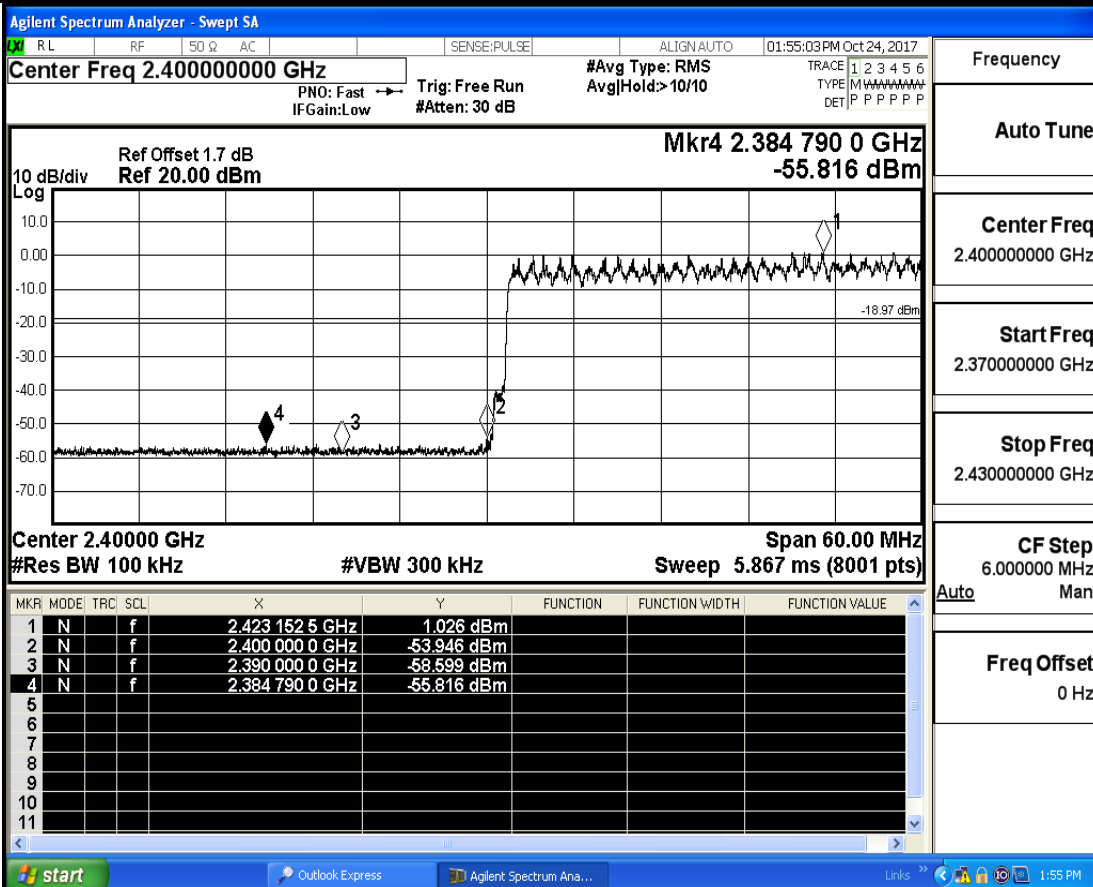


| | |
|-------------|----------------|
| Frequency | |
| Auto Tune | |
| Center Freq | 2.48350000 GHz |
| Start Freq | 2.45350000 GHz |
| Stop Freq | 2.51350000 GHz |
| CF Step | 6.000000 MHz |
| Freq Offset | 0 Hz |

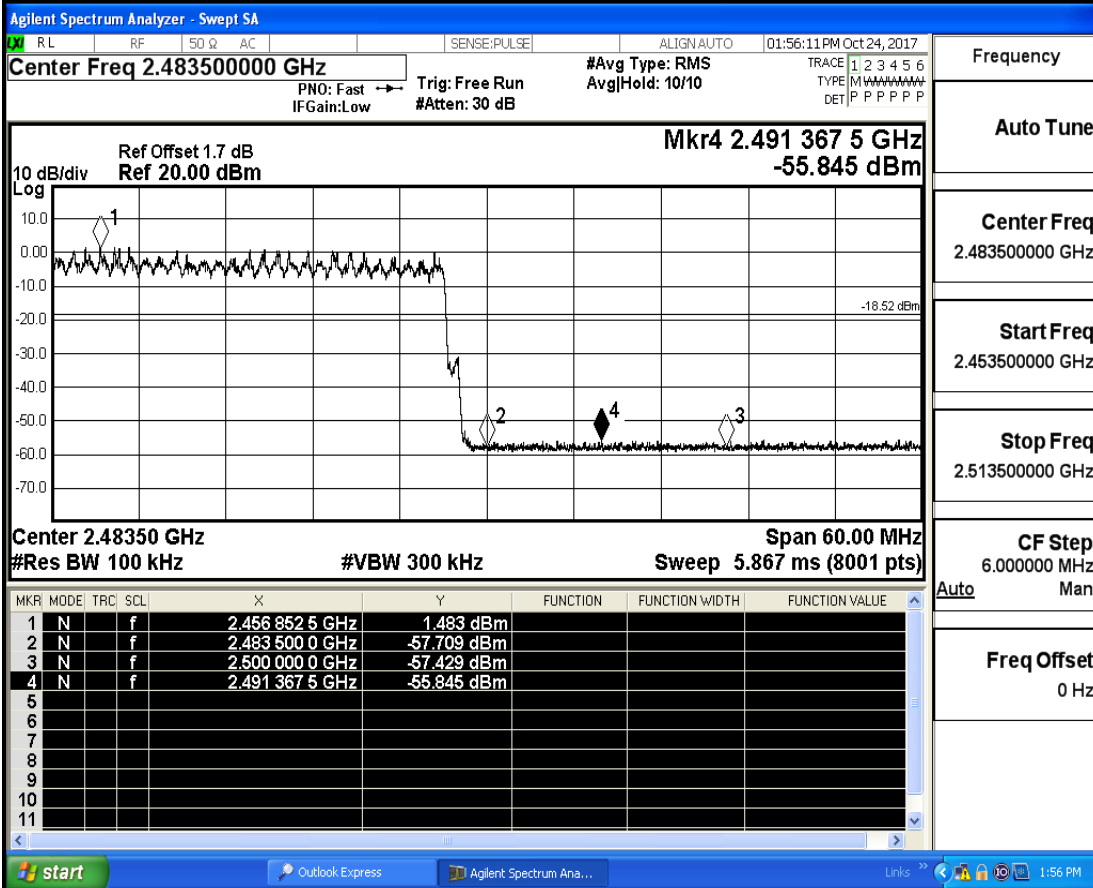
Band-edge for RF Conducted Emissions_DH5_2480_Hopping On



Band-edge for RF Conducted Emissions_2DH5_2402_Hopping On

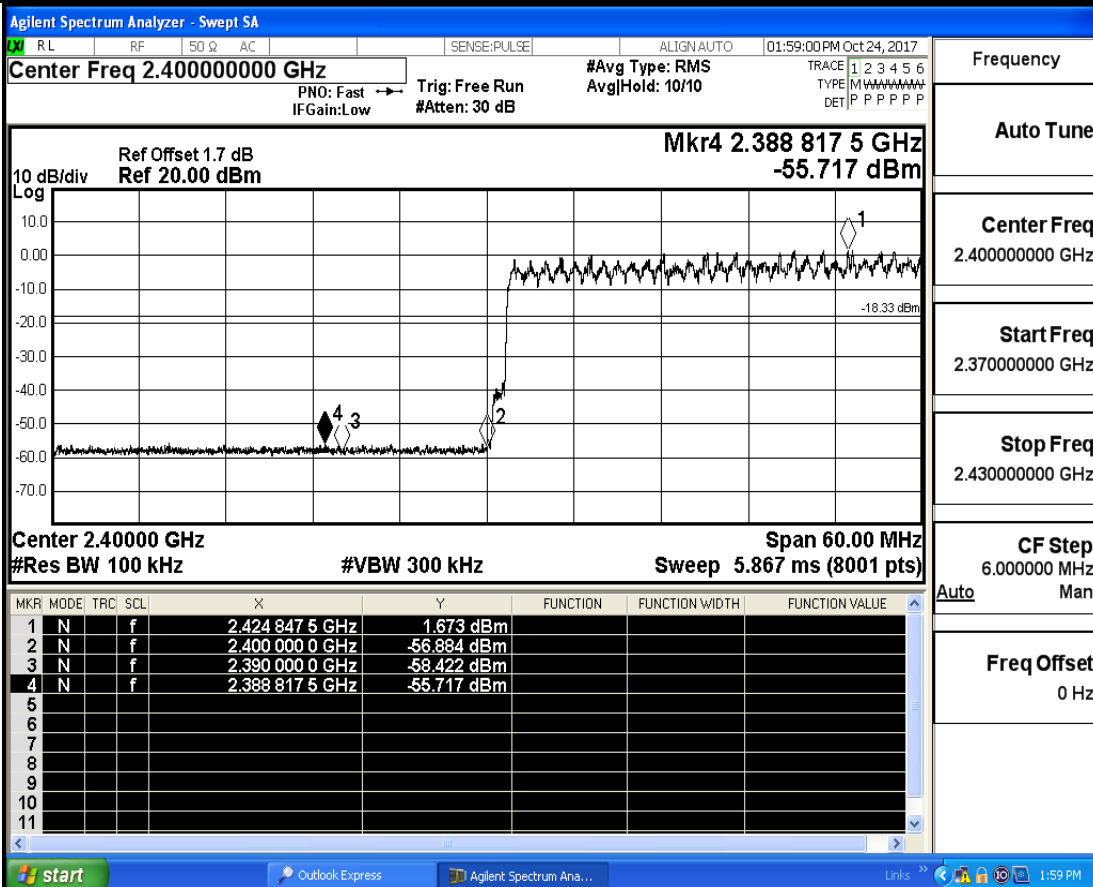


Band-edge for RF Conducted Emissions_2DH5_2480_Hopping On



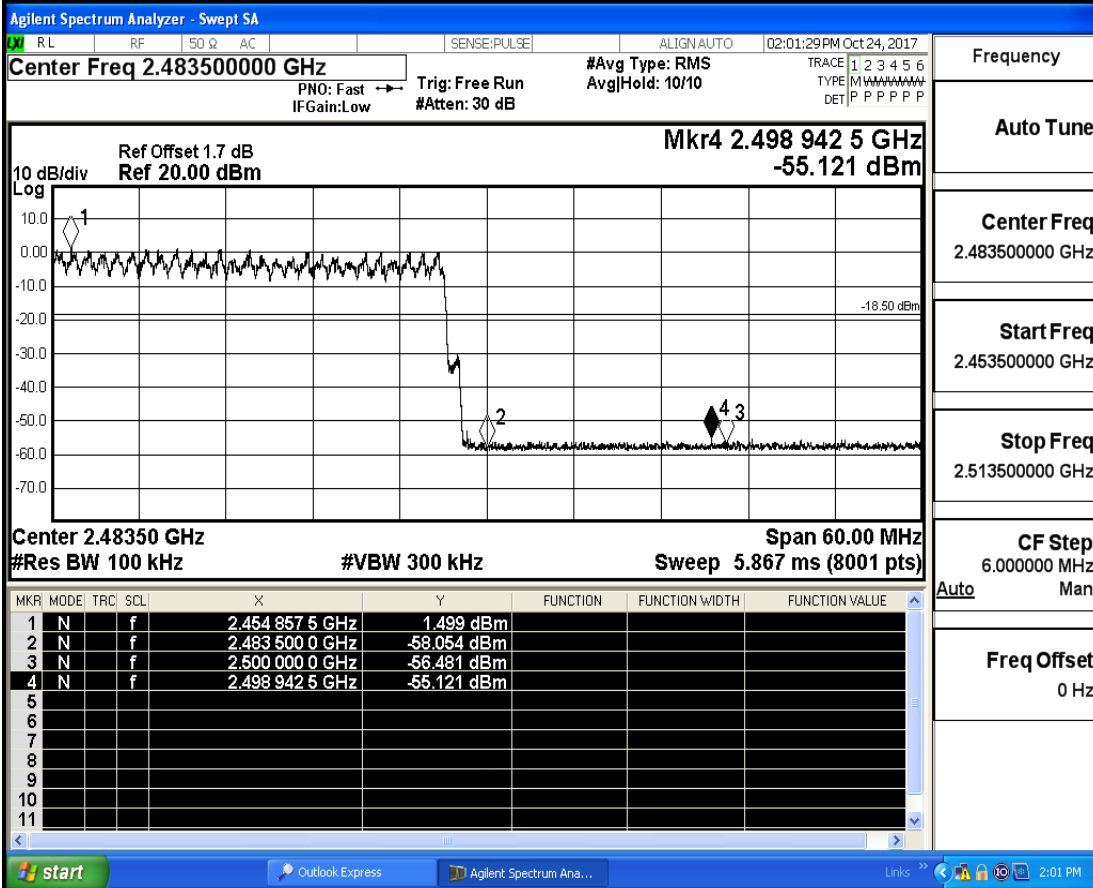
| |
|-------------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.483500000 GHz |
| Start Freq 2.453500000 GHz |
| Stop Freq 2.513500000 GHz |
| CF Step 6.000000 MHz Auto Man |
| Freq Offset 0 Hz |

Band-edge for RF Conducted Emissions_3DH5_2402_Hopping On



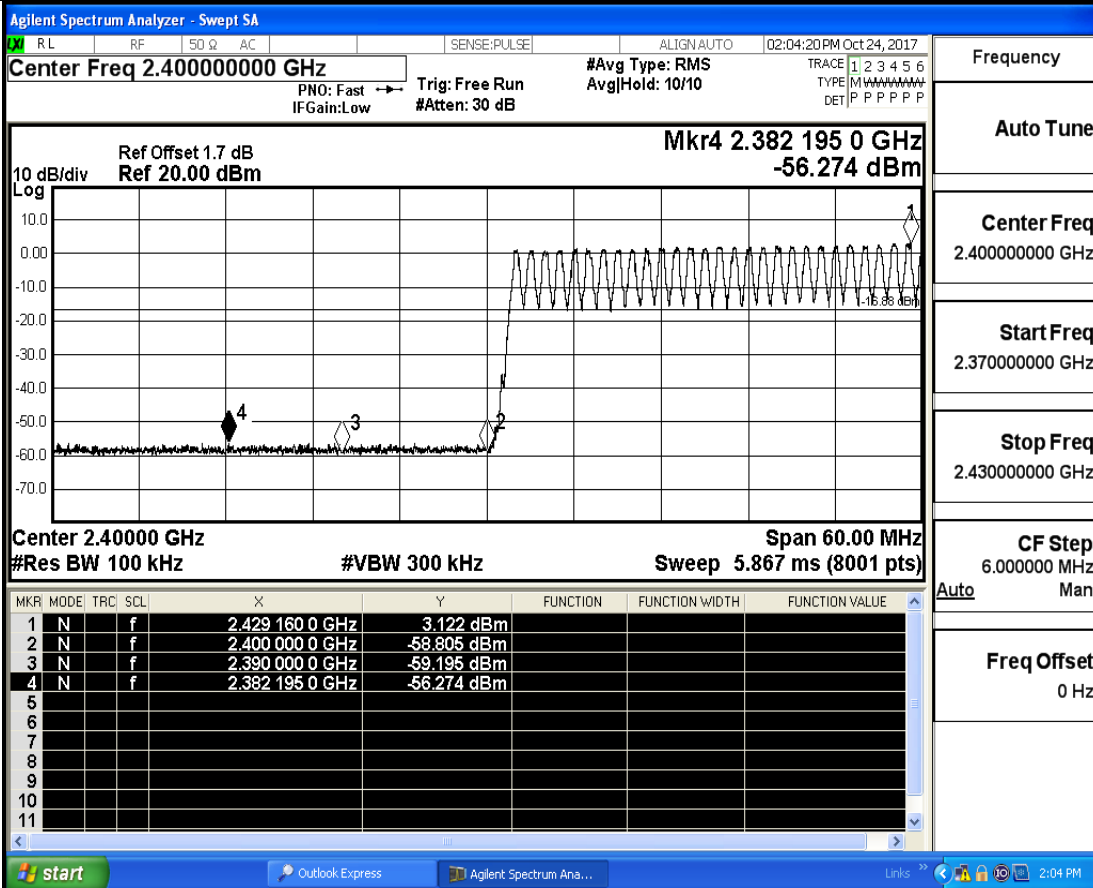
| |
|-------------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.400000000 GHz |
| Start Freq 2.370000000 GHz |
| Stop Freq 2.430000000 GHz |
| CF Step 6.000000 MHz Auto Man |
| Freq Offset 0 Hz |

Band-edge for RF Conducted Emissions_3DH5_2480_Hopping On



| |
|-------------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.483500000 GHz |
| Start Freq 2.453500000 GHz |
| Stop Freq 2.513500000 GHz |
| CF Step 6.000000 MHz Auto Man |
| Freq Offset 0 Hz |

Band-edge for RF Conducted Emissions_DH5_2402_Hopping On

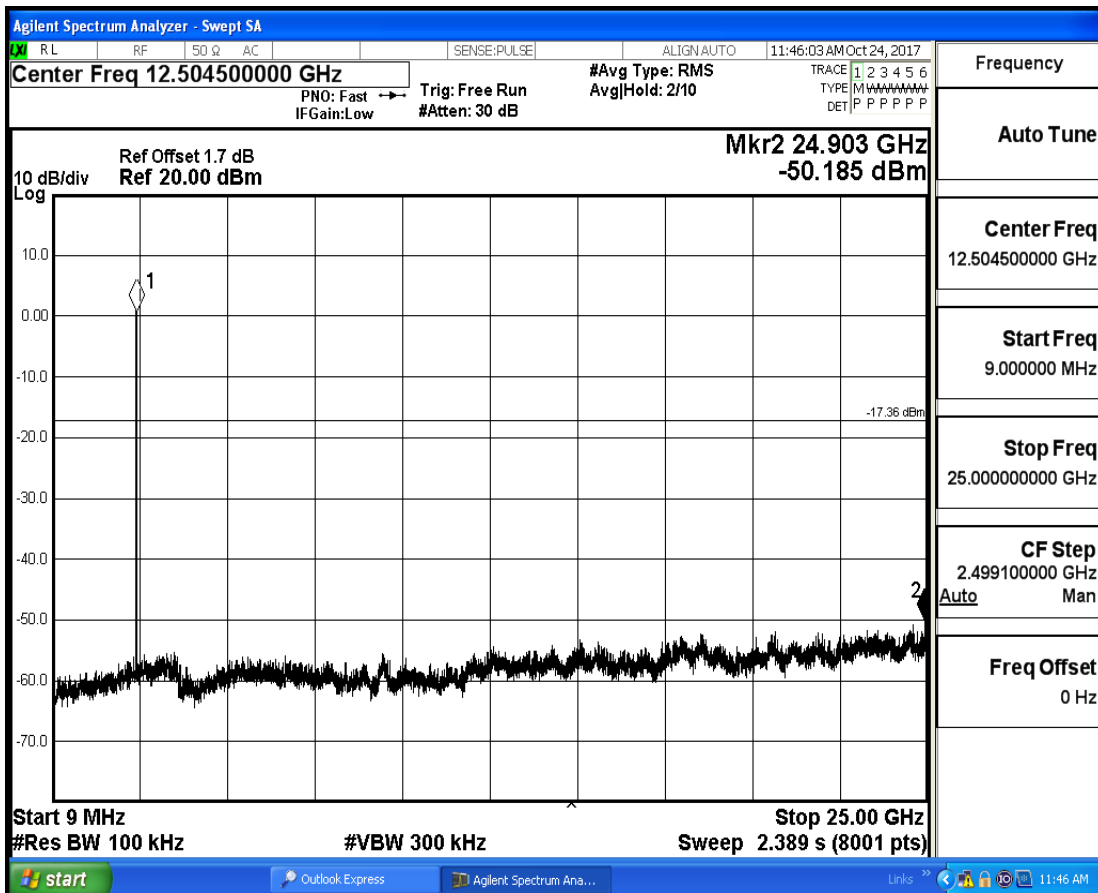
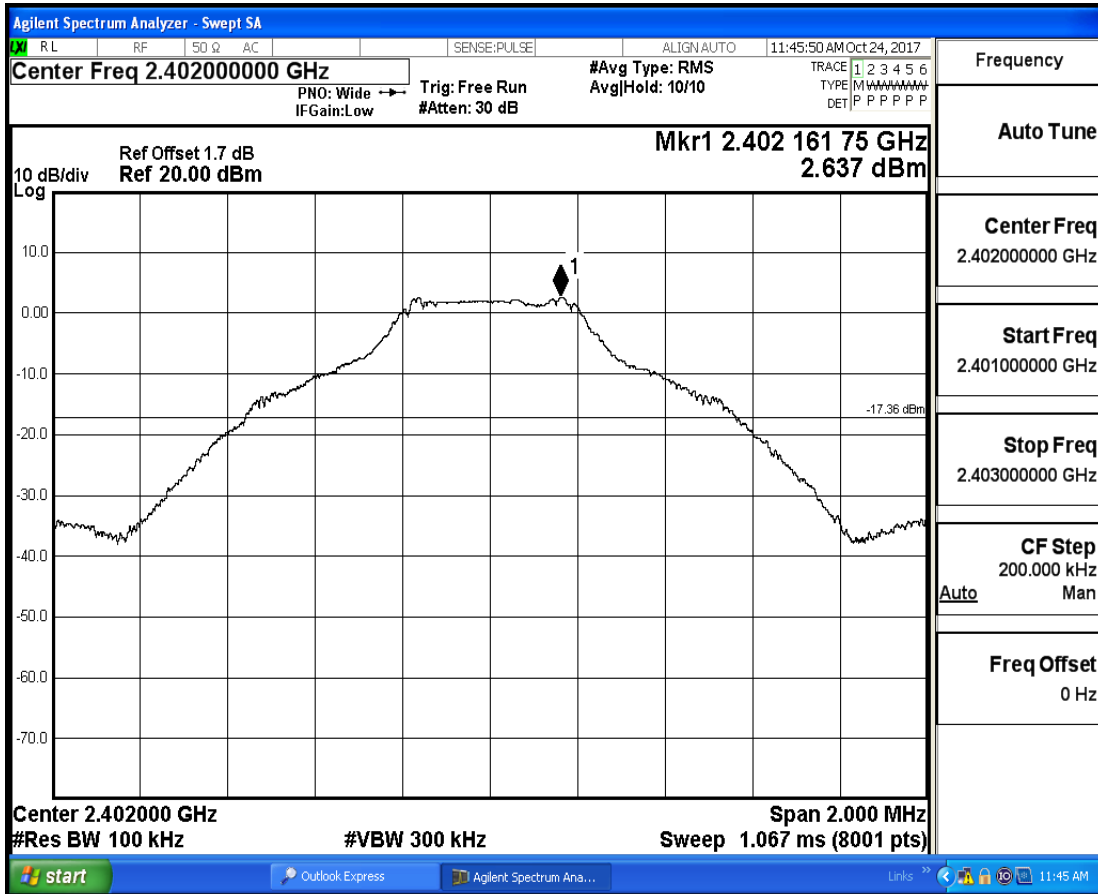


| |
|-------------------------------------|
| Frequency |
| Auto Tune |
| Center Freq 2.400000000 GHz |
| Start Freq 2.370000000 GHz |
| Stop Freq 2.430000000 GHz |
| CF Step 6.000000 MHz Auto Man |
| Freq Offset 0 Hz |

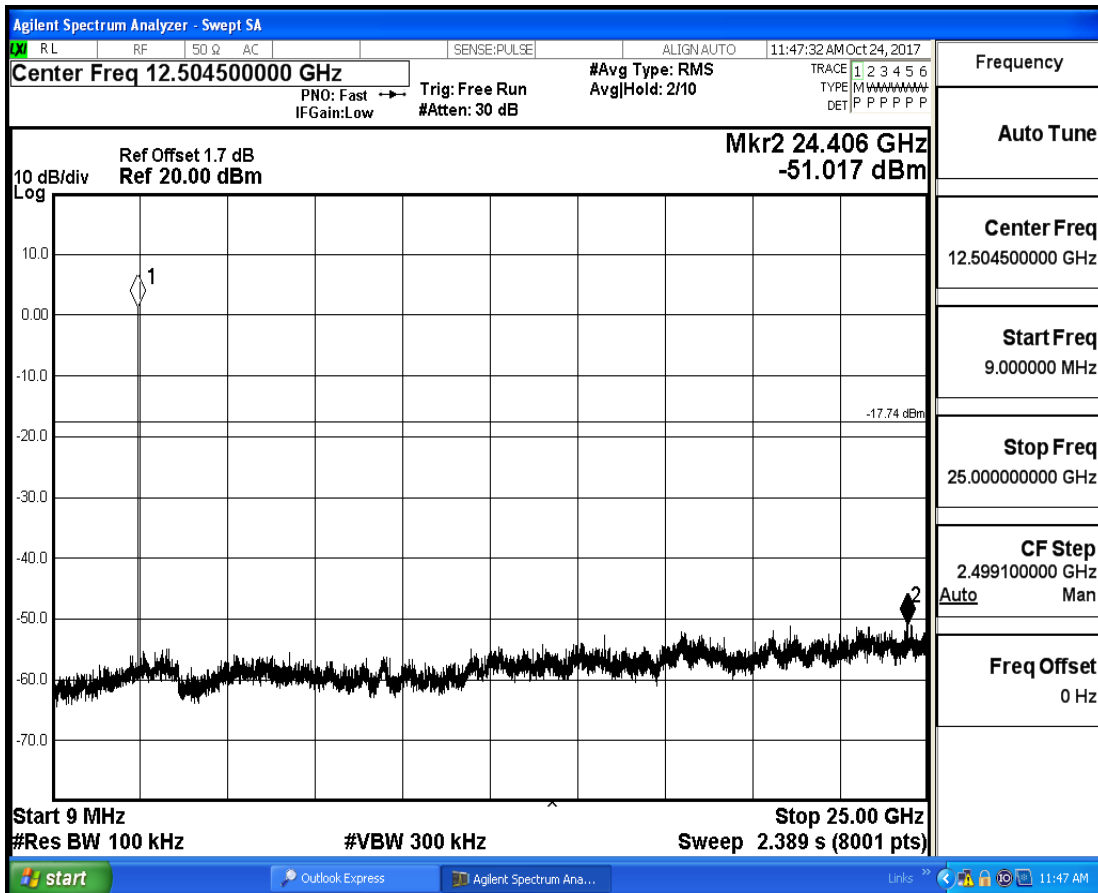
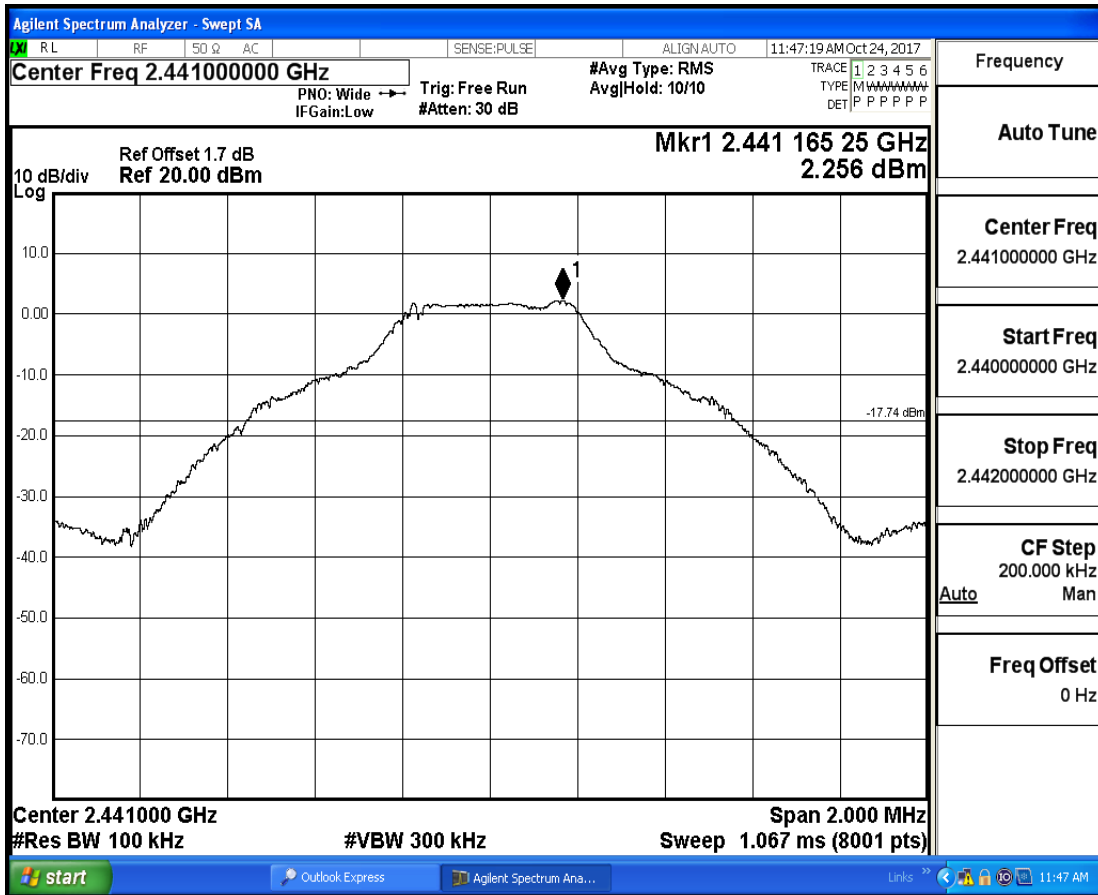
8.RF Conducted Spurious Emissions

| Test Mode | Test Channel | StartFre [MHz] | StopFre [MHz] | RBW [kHz] | VBW [kHz] | Pref[dBm] | Max. Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|----------------|---------------|-----------|-----------|-----------|------------------|--------------|---------|
| DH5 | 2402 | 9 | 25000 | 100 | 300 | 2.637 | -50.185 | <- 17.363 | PASS |
| DH5 | 2441 | 9 | 25000 | 100 | 300 | 2.256 | -51.017 | <- 17.744 | PASS |
| DH5 | 2480 | 9 | 25000 | 100 | 300 | 4.204 | -50.786 | <- 15.796 | PASS |
| 2DH5 | 2402 | 9 | 25000 | 100 | 300 | 1.131 | -50.725 | <- 18.869 | PASS |
| 2DH5 | 2441 | 9 | 25000 | 100 | 300 | 0.902 | -51.053 | <- 19.098 | PASS |
| 2DH5 | 2480 | 9 | 25000 | 100 | 300 | 3.064 | -50.670 | <- 16.936 | PASS |
| 3DH5 | 2402 | 9 | 25000 | 100 | 300 | 1.217 | -50.807 | <- 18.783 | PASS |
| 3DH5 | 2441 | 9 | 25000 | 100 | 300 | 0.375 | -50.272 | <- 19.625 | PASS |
| 3DH5 | 2480 | 9 | 25000 | 100 | 300 | 3.082 | -51.264 | <- 16.918 | PASS |

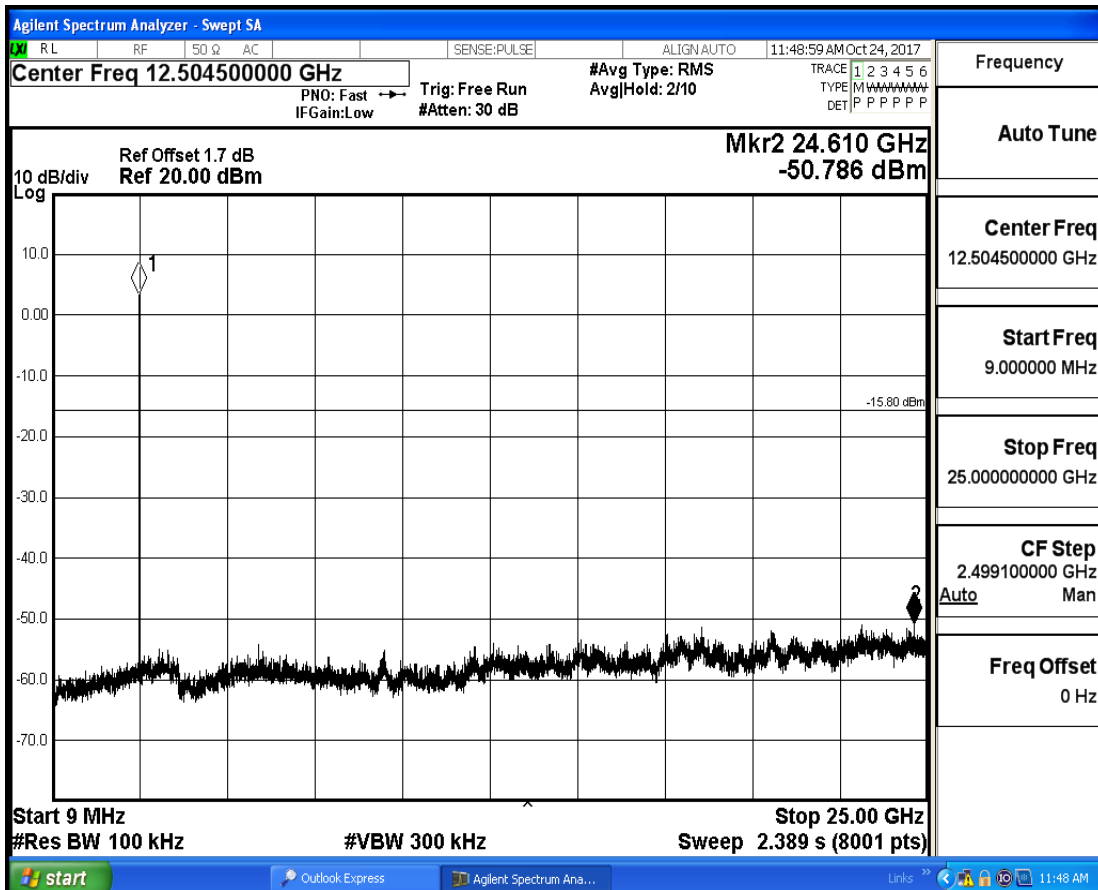
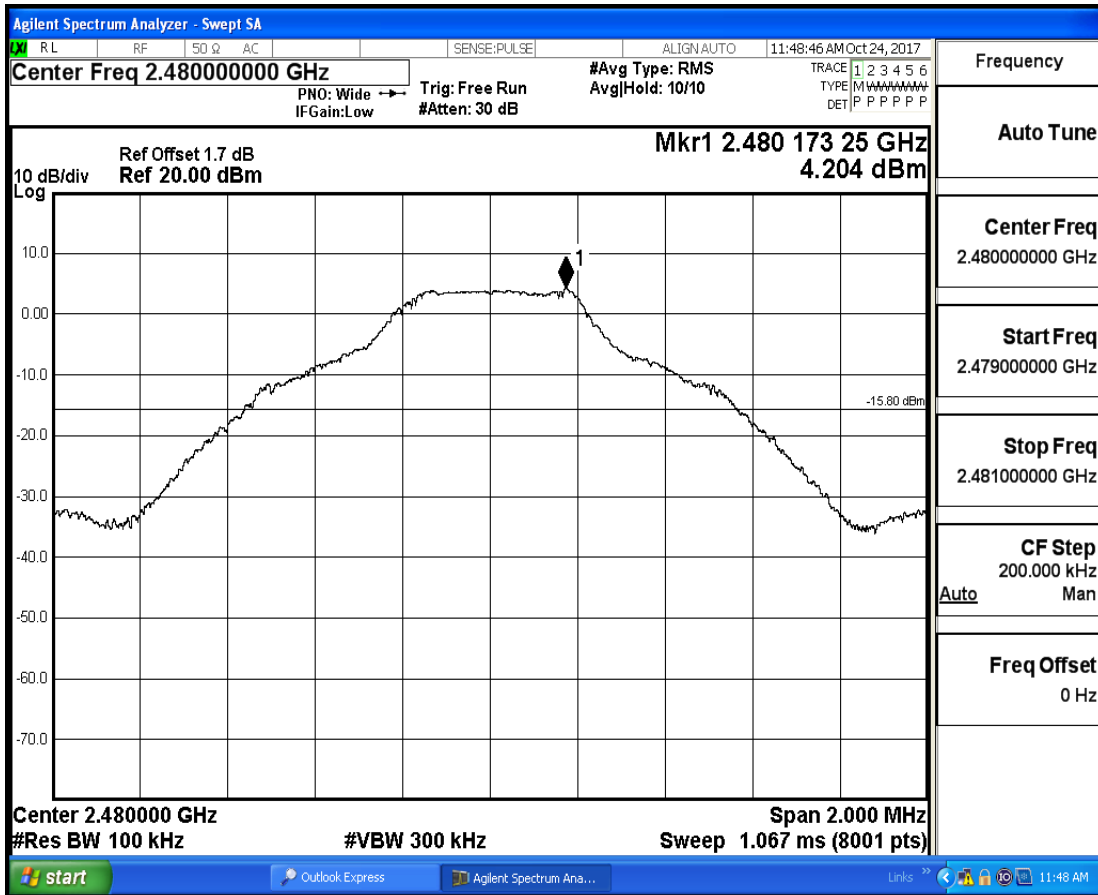
RF Conducted Spurious Emissions_DH5_2402



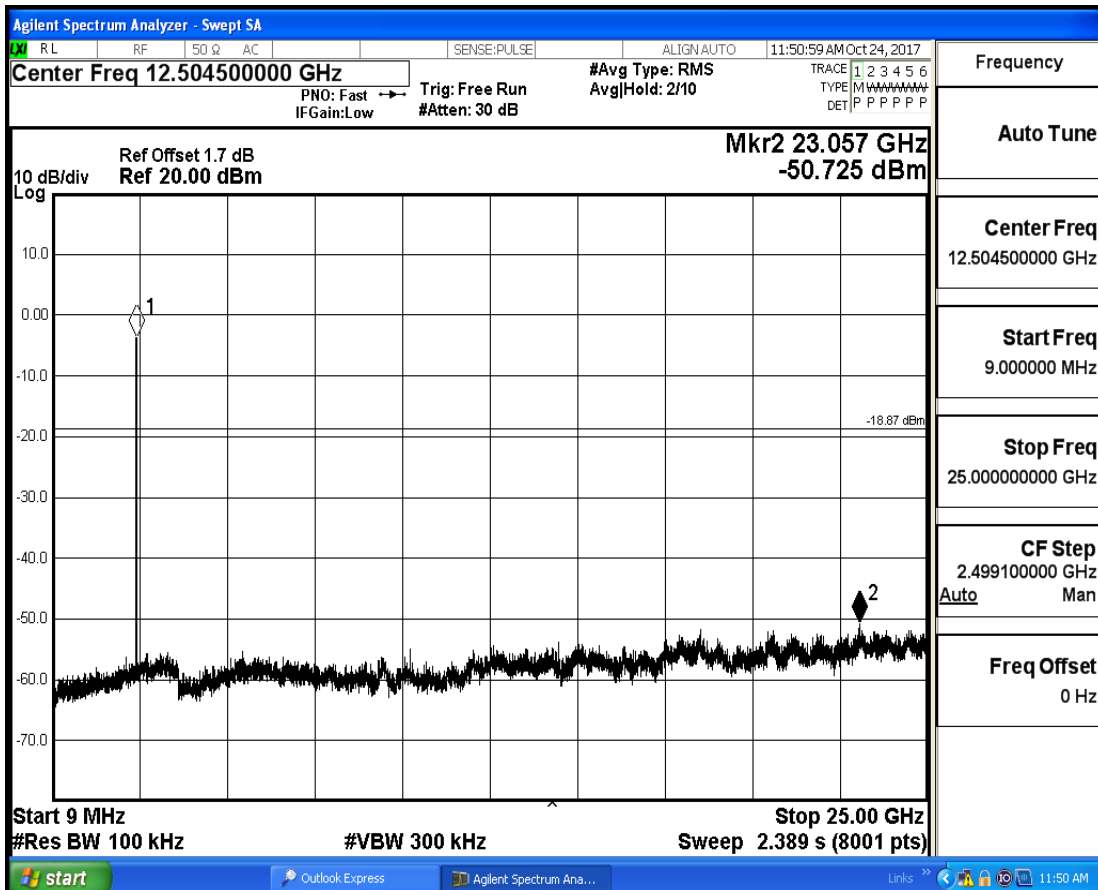
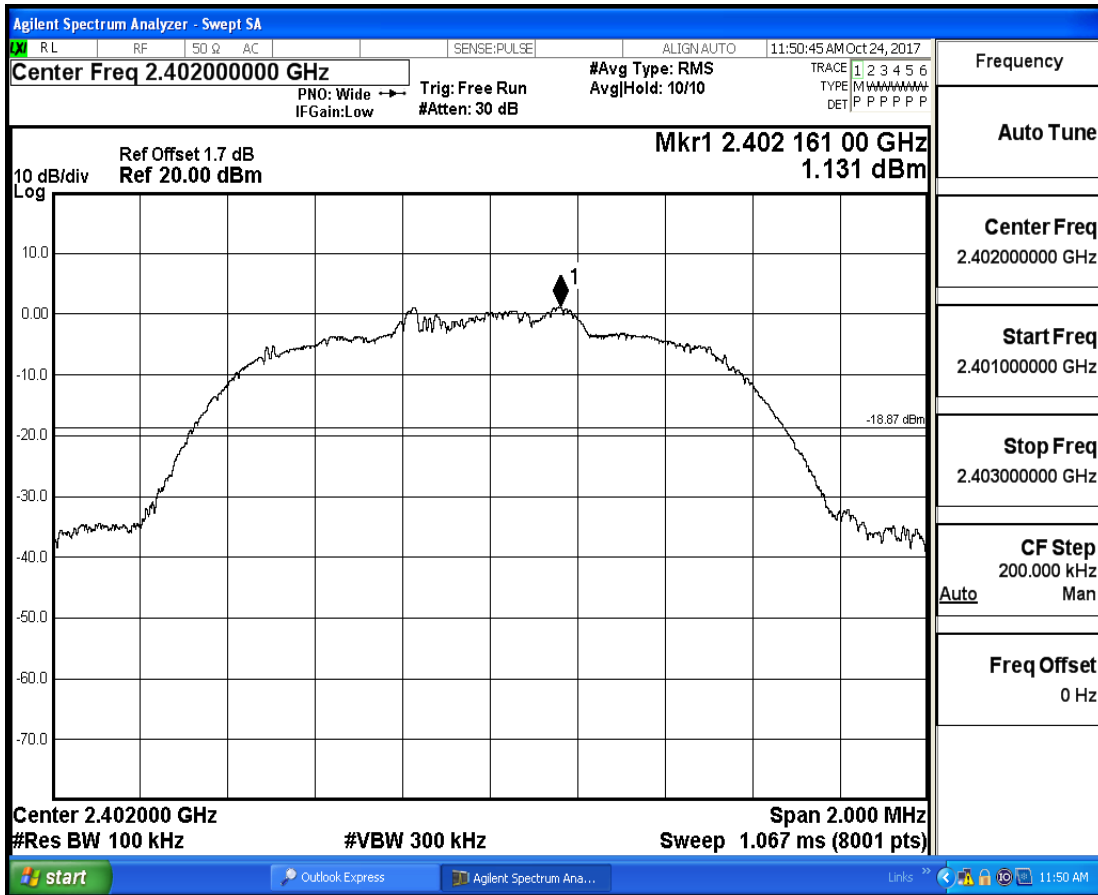
RF Conducted Spurious Emissions_DH5_2441



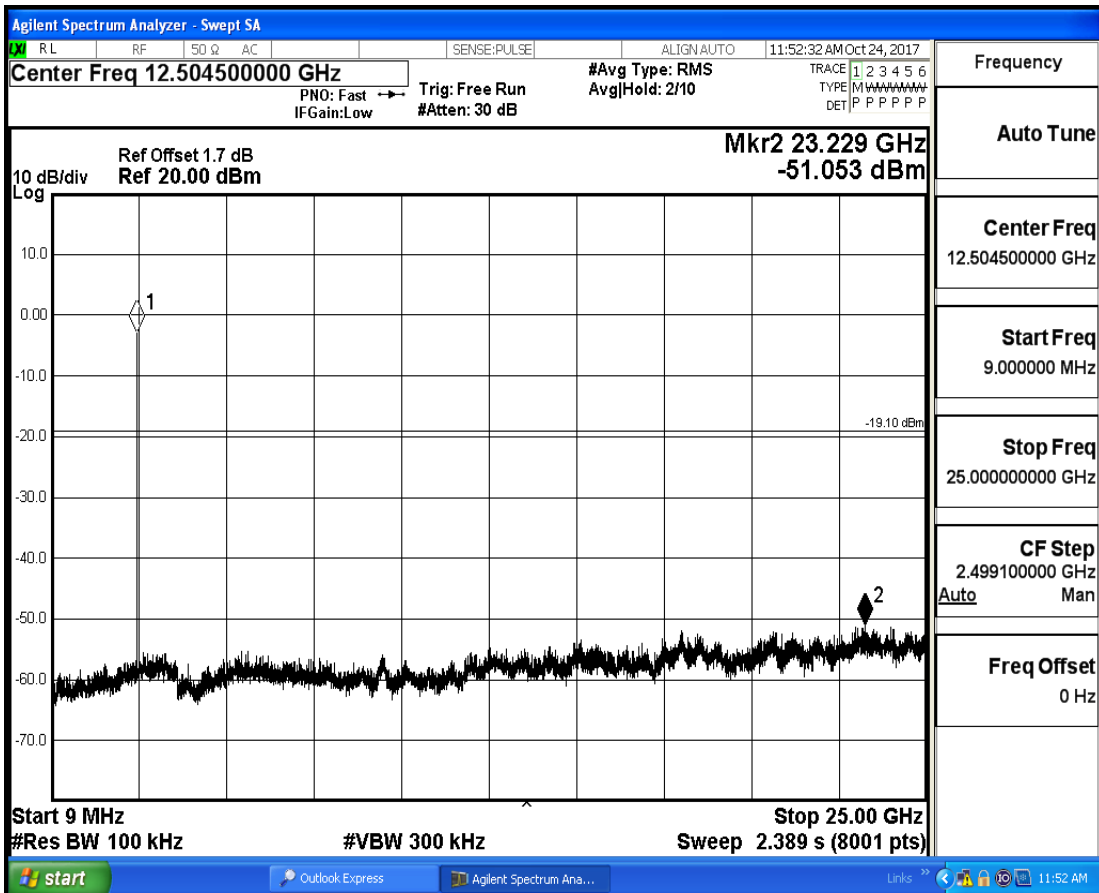
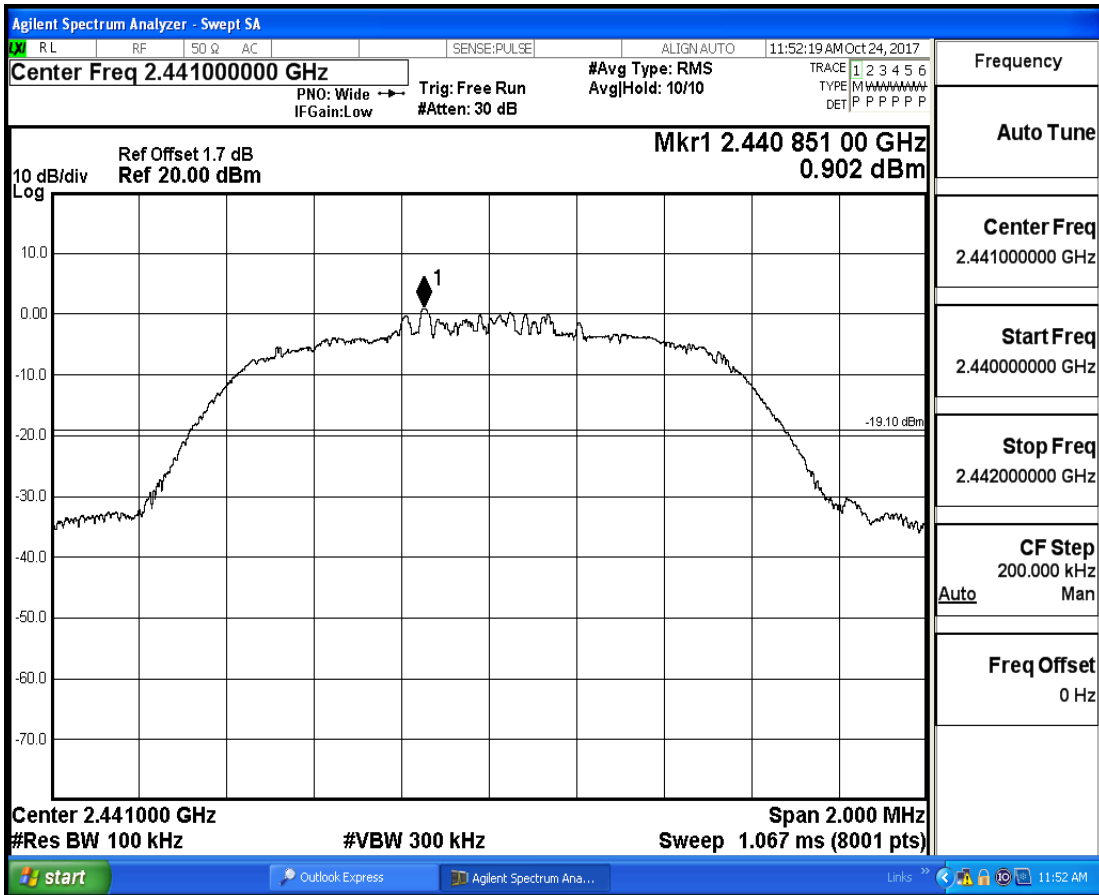
RF Conducted Spurious Emissions_DH5_2480



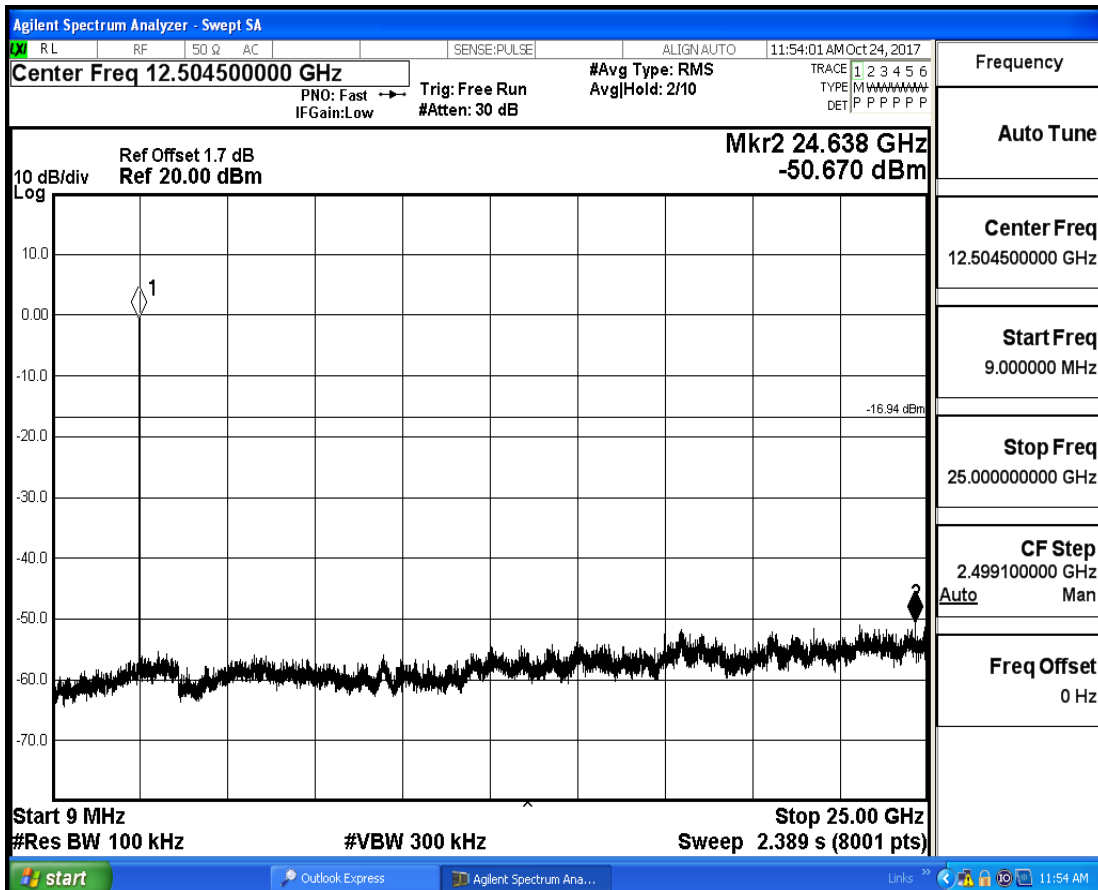
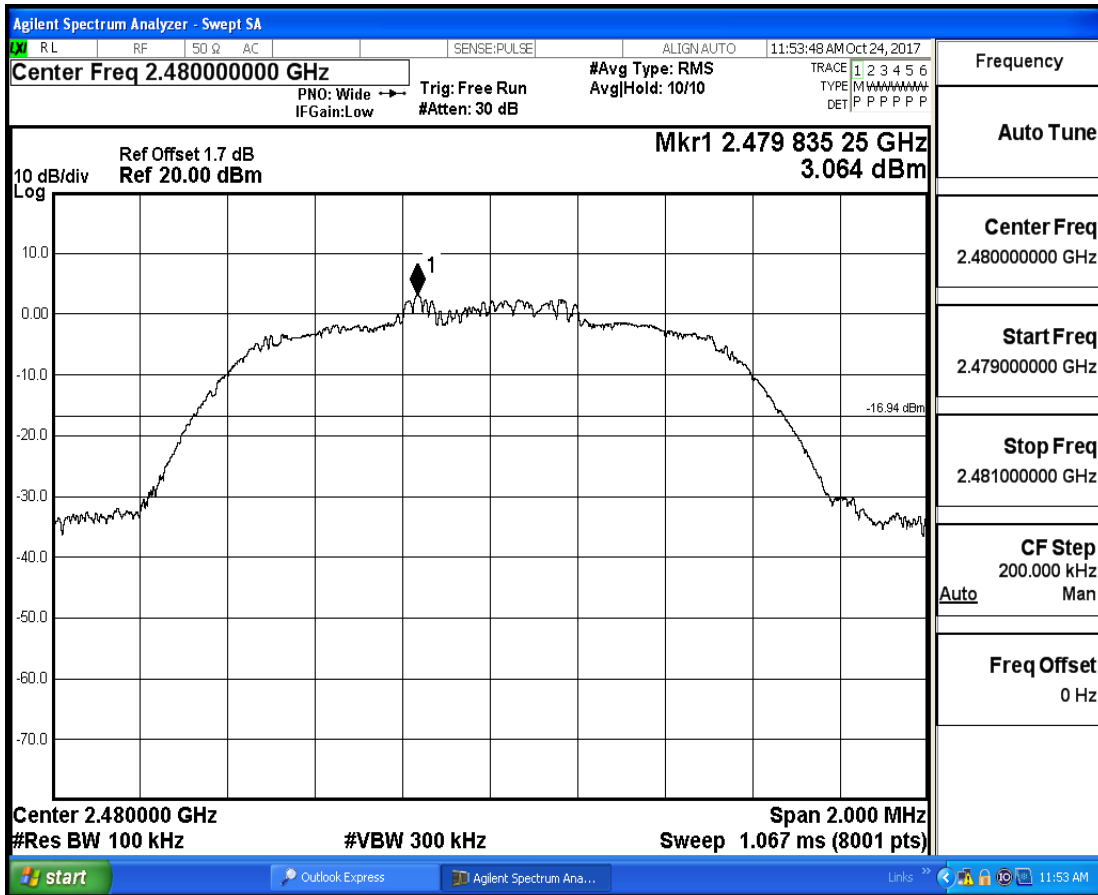
RF Conducted Spurious Emissions_2DH5_2402



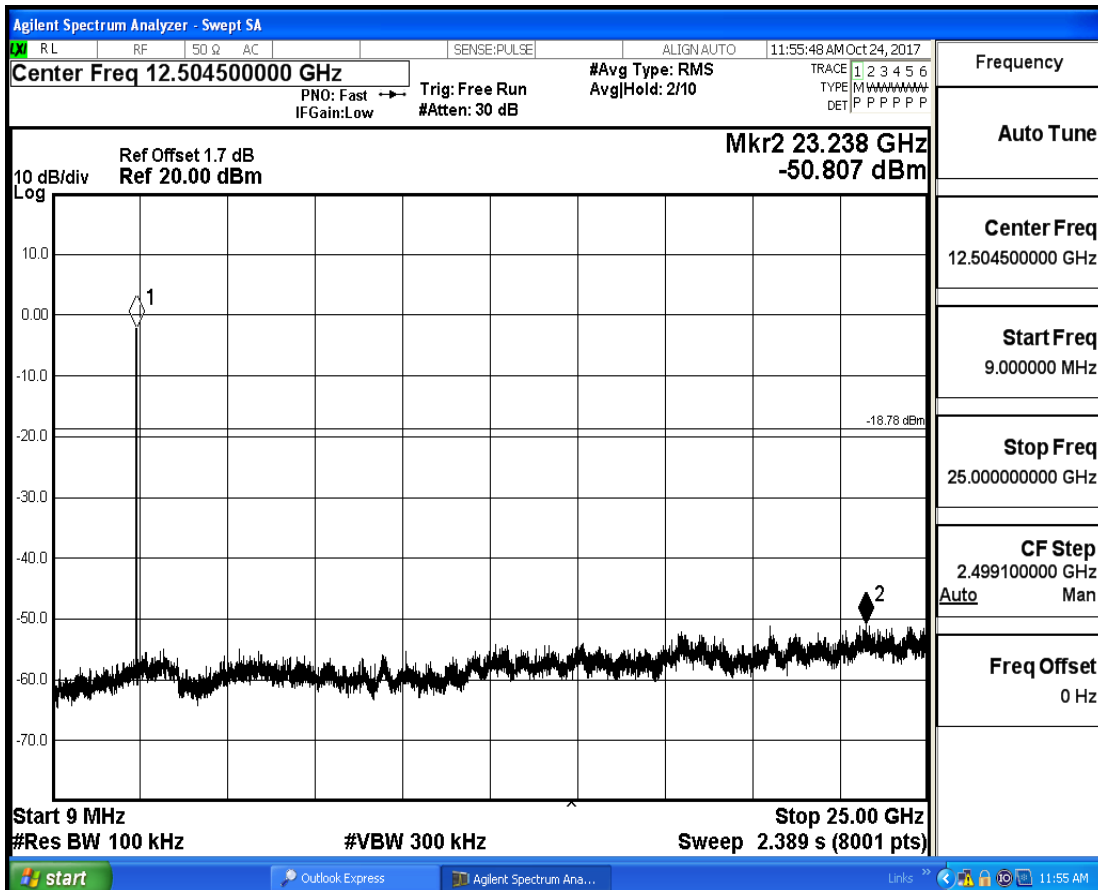
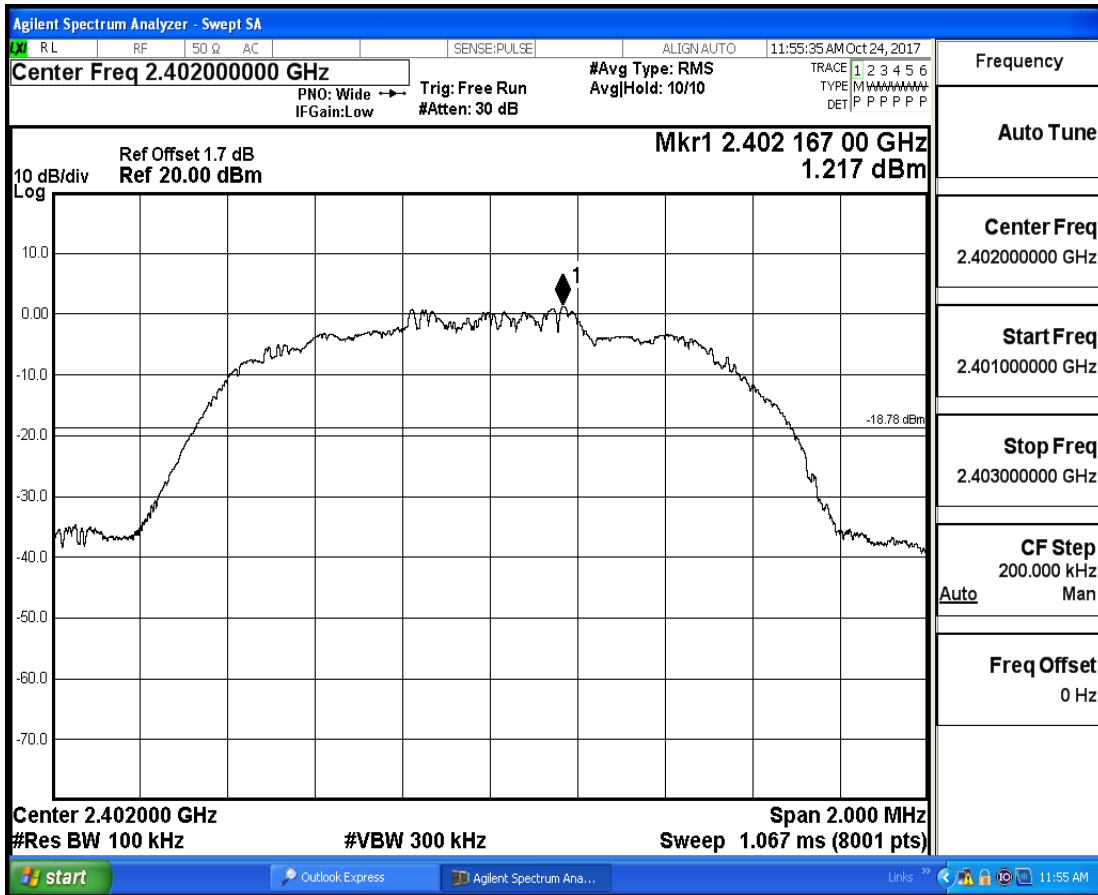
RF Conducted Spurious Emissions_2DH5_2441



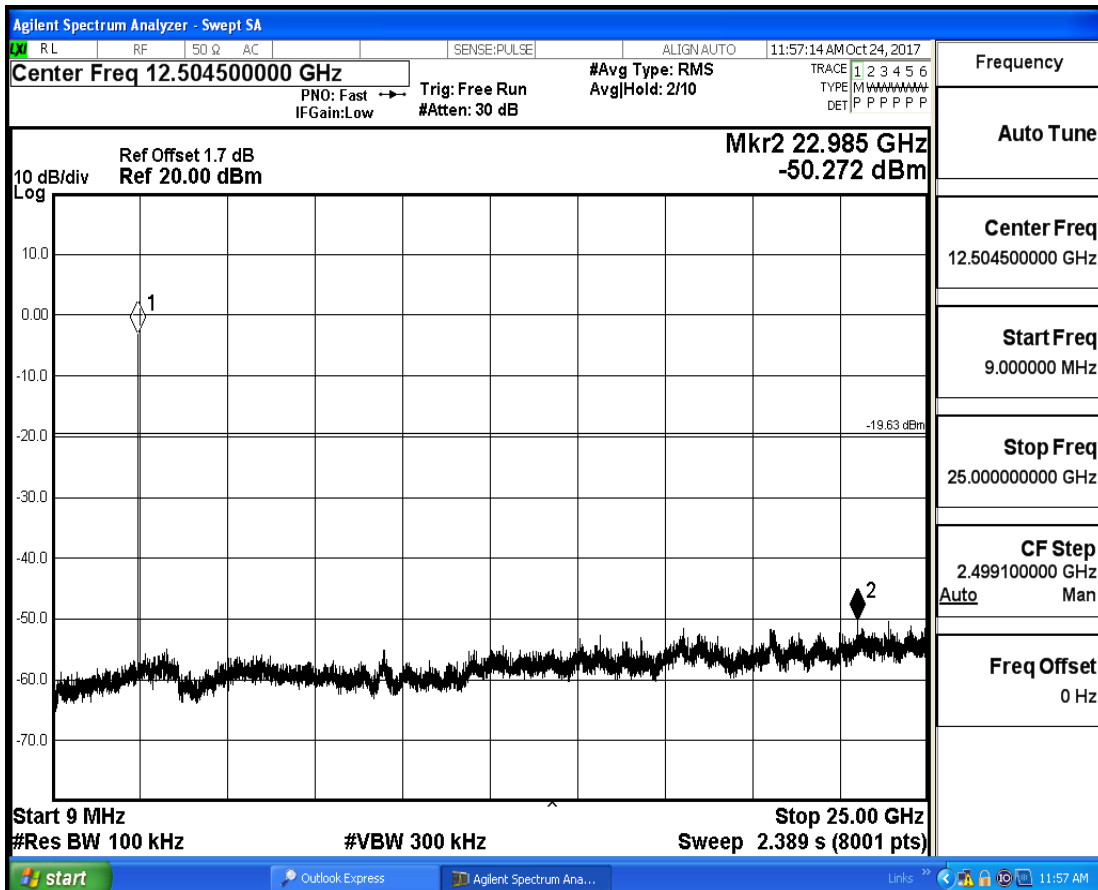
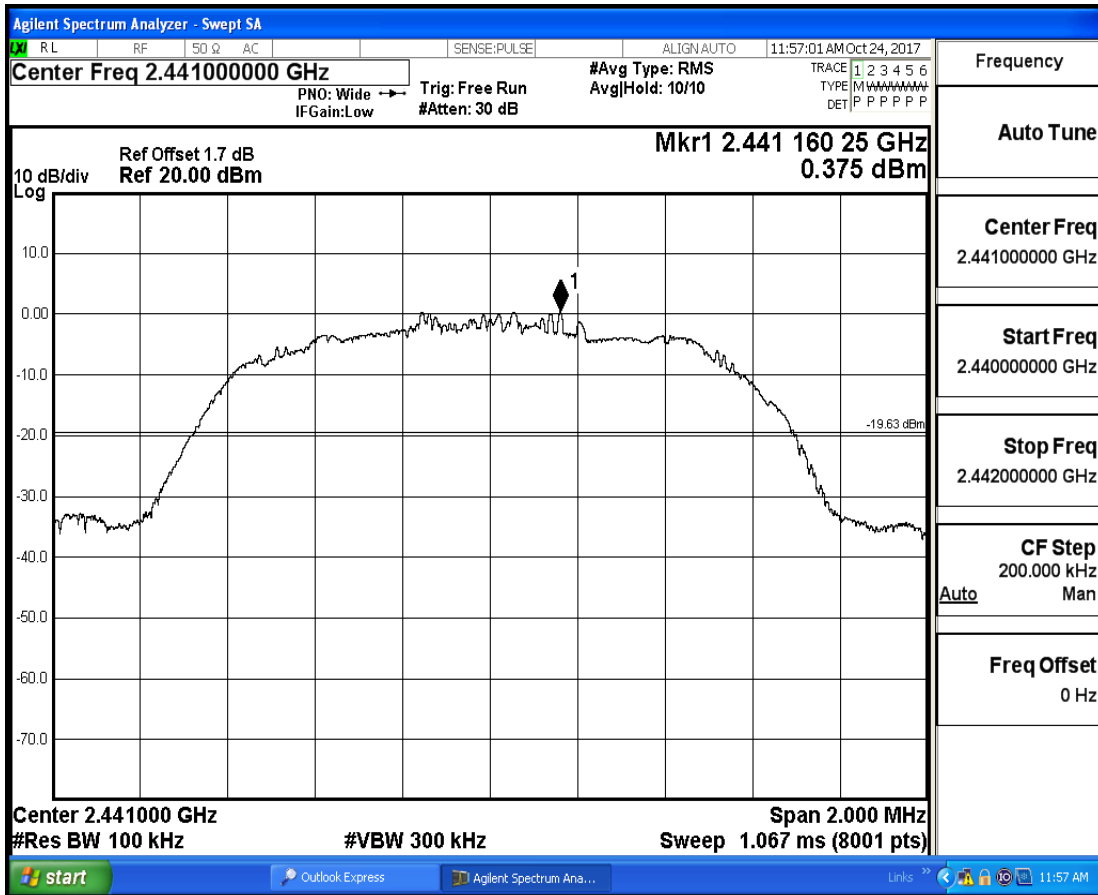
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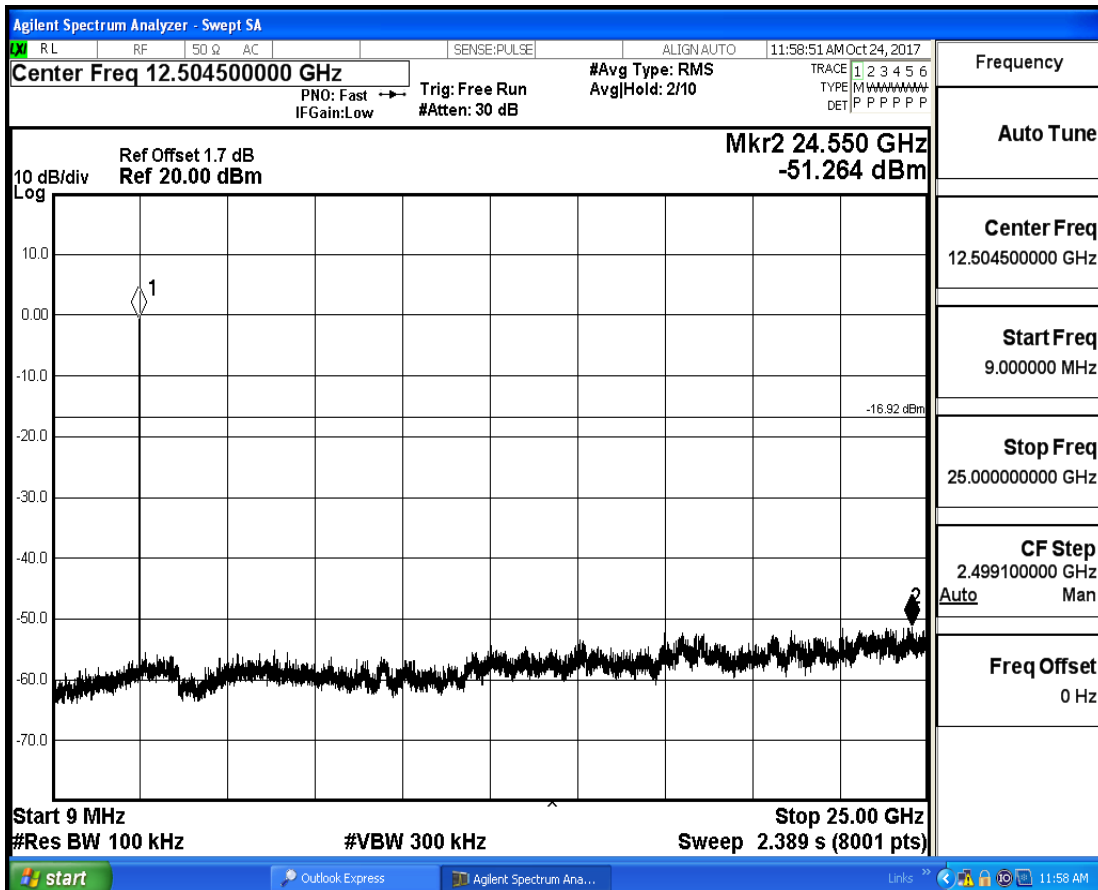
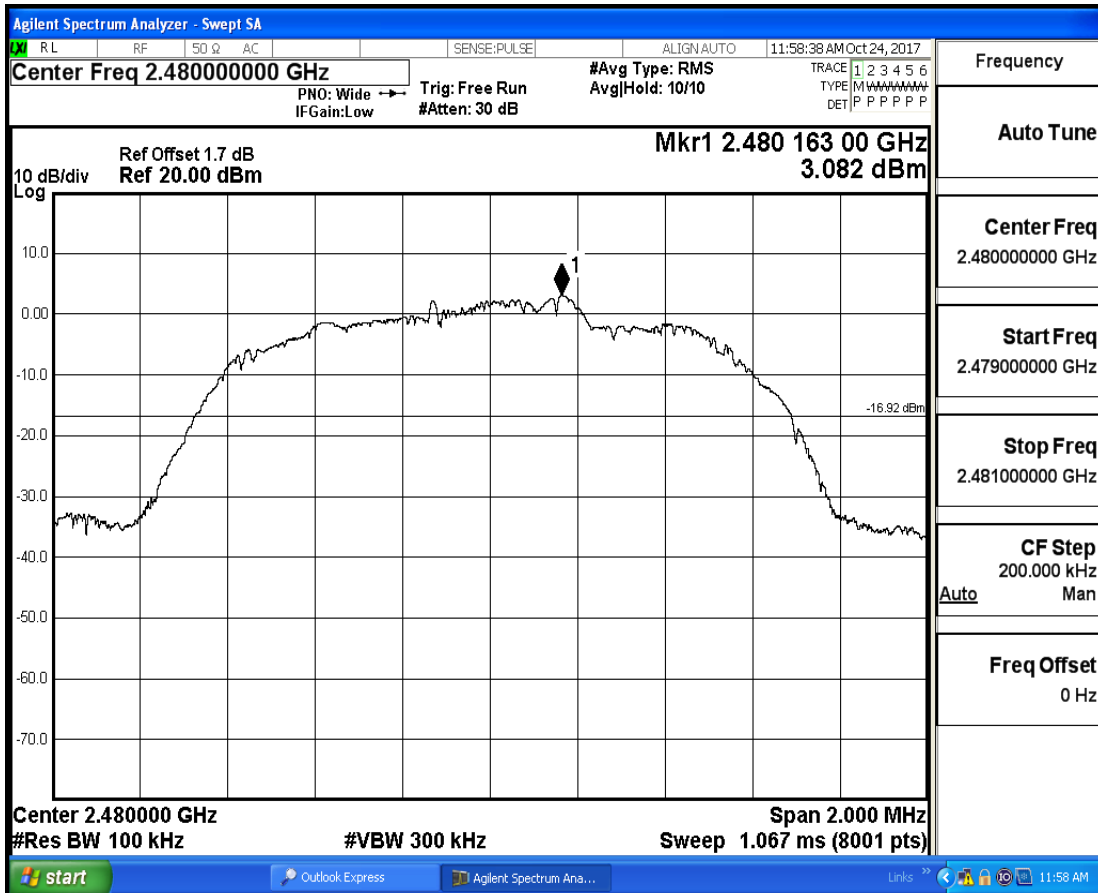
RF Conducted Spurious Emissions_3DH5_2402



RF Conducted Spurious Emissions_3DH5_2441



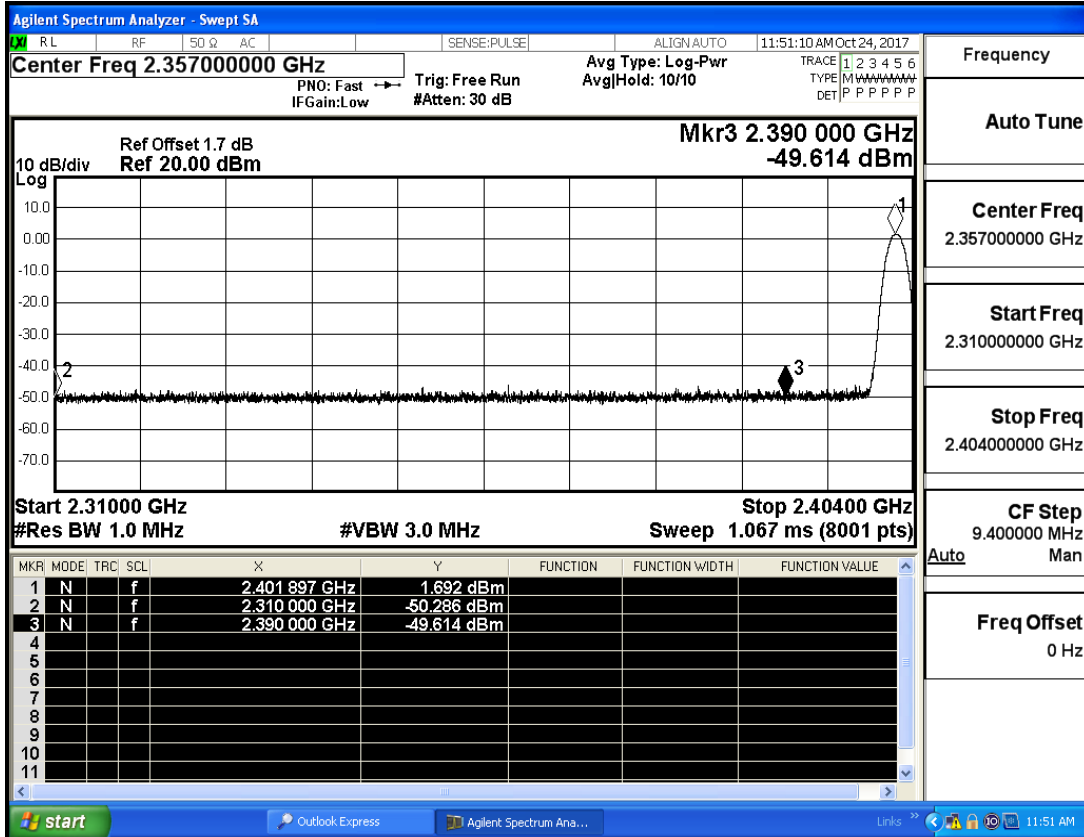
RF Conducted Spurious Emissions_3DH5_2480



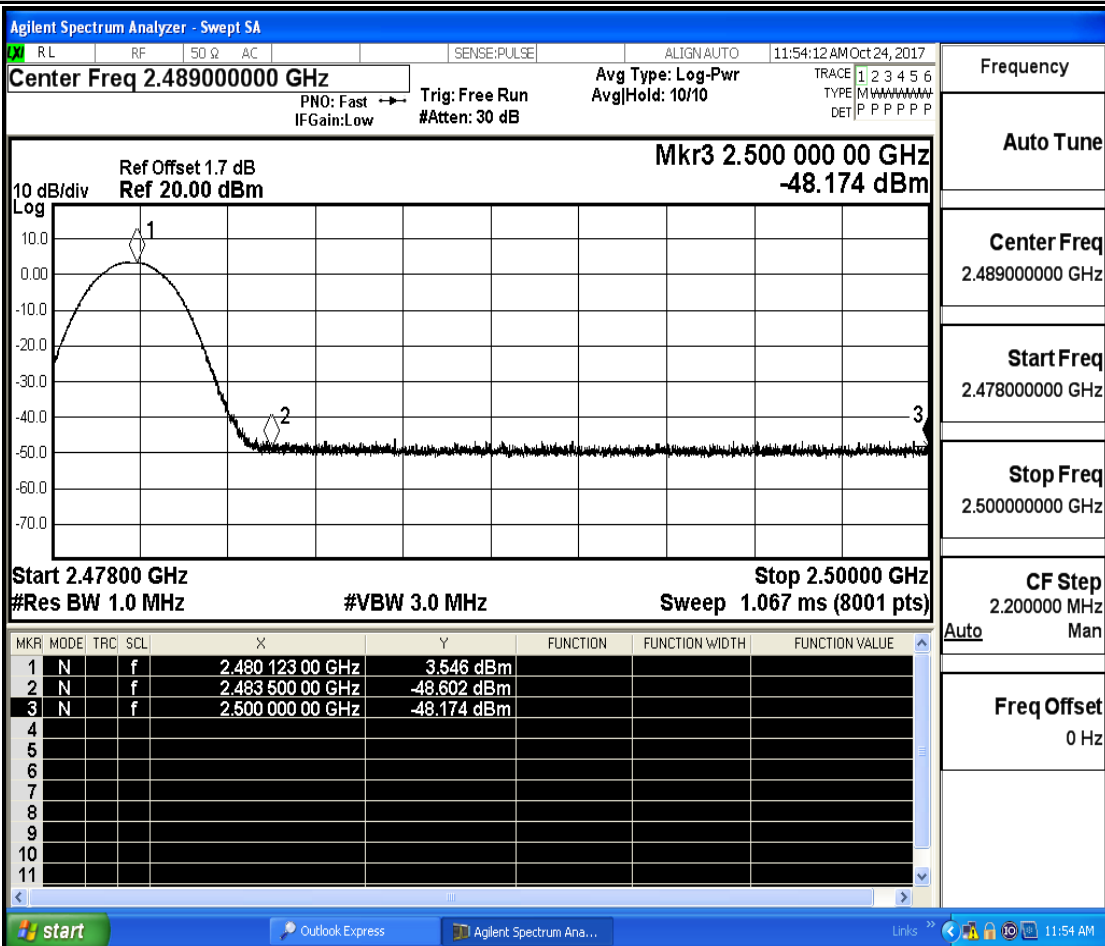
9.Restrict-band band-edge measurements

| Test Mode | Hopping | Freq. | Power [dBm] | Gain | Ground Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|-----------|---------|--------|-------------|------|---------------|------------|----------|----------------|---------|
| DH5 | On | 2310.0 | -49.76 | 2.0 | 0 | 47.500 | PEAK | 74 | PASS |
| DH5 | On | 2390.0 | -50.24 | 2.0 | 0 | 47.880 | PEAK | 74 | PASS |
| DH5 | On | 2483.5 | -49.38 | 2.0 | 0 | 47.500 | PEAK | 74 | PASS |
| DH5 | On | 2500.0 | -50.56 | 2.0 | 0 | 47.880 | PEAK | 74 | PASS |
| 2DH5 | On | 2310.0 | -50.29 | 2.0 | 0 | 46.970 | PEAK | 74 | PASS |
| 2DH5 | On | 2390.0 | -49.61 | 2.0 | 0 | 48.660 | PEAK | 74 | PASS |
| 2DH5 | On | 2483.5 | -48.60 | 2.0 | 0 | 46.970 | PEAK | 74 | PASS |
| 2DH5 | On | 2500.0 | -48.17 | 2.0 | 0 | 48.660 | PEAK | 74 | PASS |
| 3DH5 | On | 2310.0 | -50.59 | 2.0 | 0 | 46.670 | PEAK | 74 | PASS |
| 3DH5 | On | 2390.0 | -49.67 | 2.0 | 0 | 47.590 | PEAK | 74 | PASS |
| 3DH5 | On | 2483.5 | -49.60 | 2.0 | 0 | 47.660 | PEAK | 74 | PASS |
| 3DH5 | On | 2500.0 | -49.58 | 2.0 | 0 | 47.680 | PEAK | 74 | PASS |

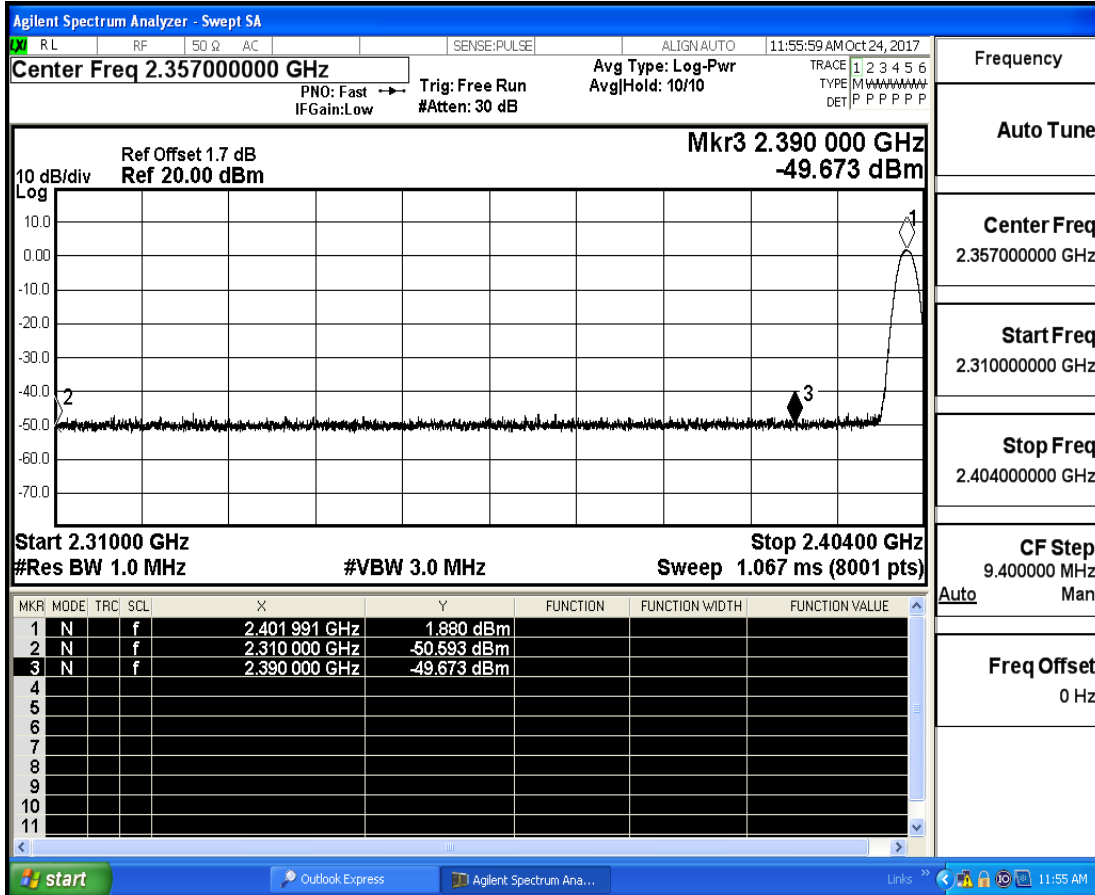
Restrict-band band-edge measurements_Hopping On_PEAK



Restrict-band band-edge measurements_Hopping On_PEAK



Restrict-band band-edge measurements_Hopping On_PEAK



Restrict-band band-edge measurements_Hopping On_PEAK

