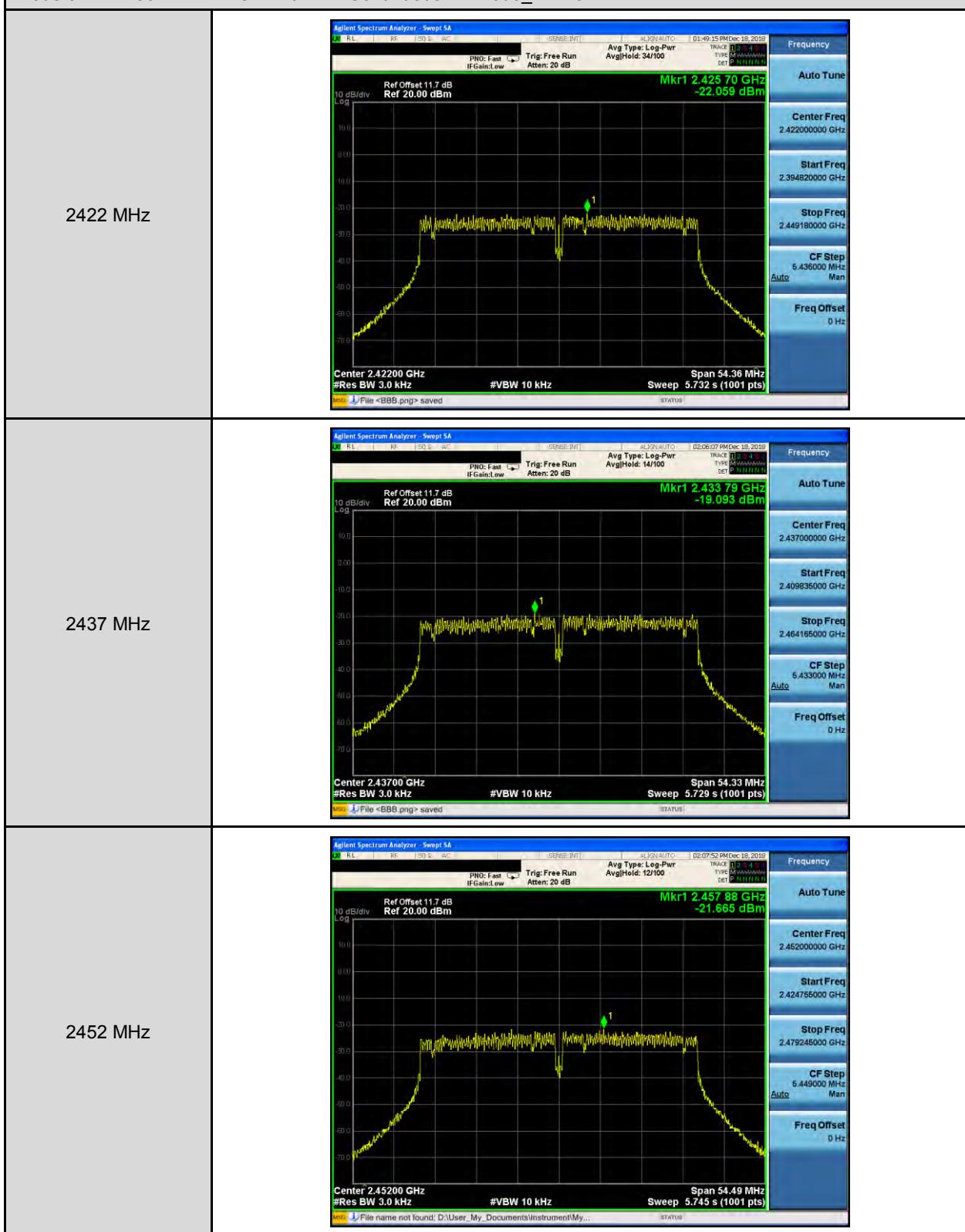


## Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-3

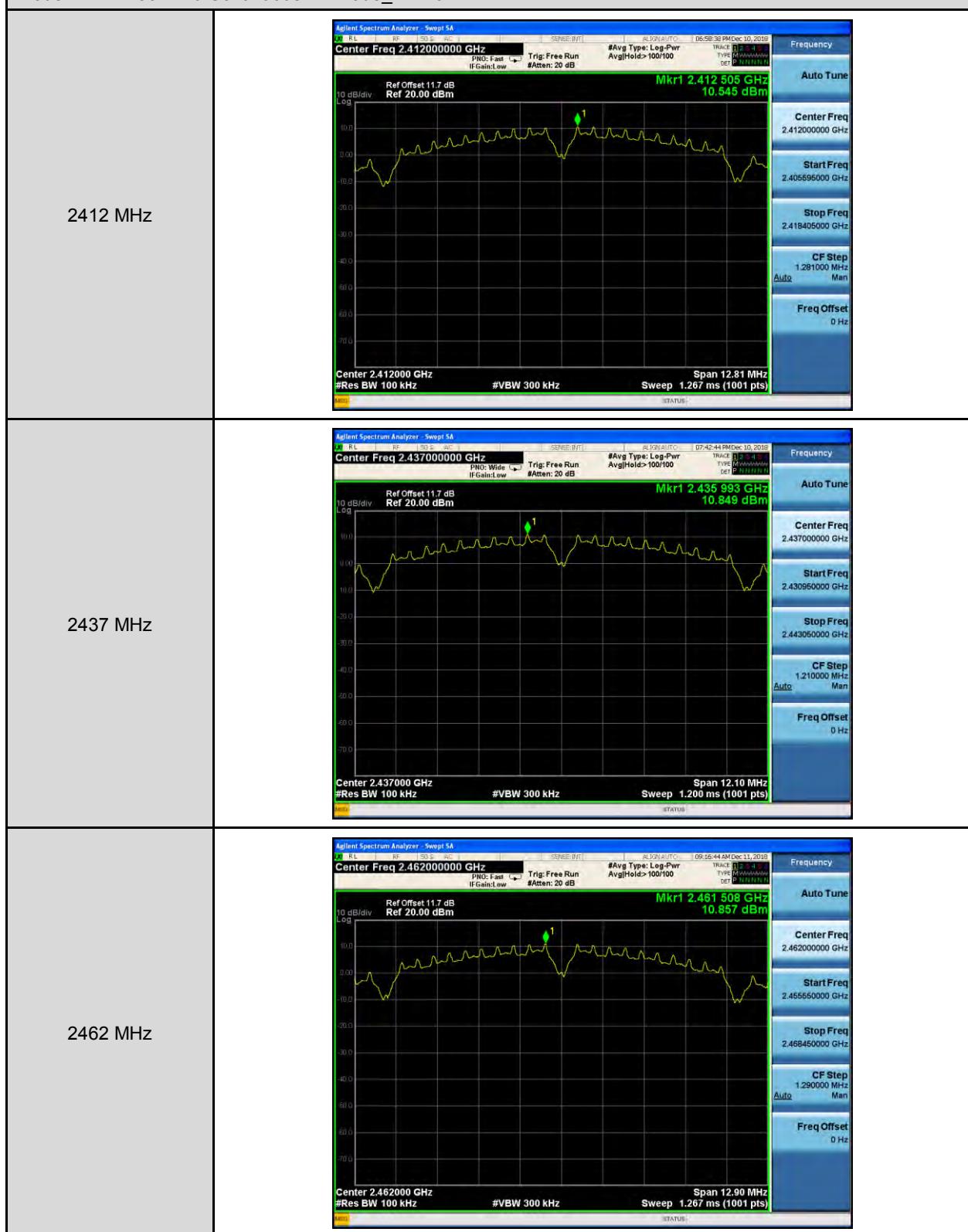


## Out of Band Conducted Emissions Measurement

### ■ Test Graphs

#### Reference level

Mode 2: IEEE 802.11b Continuous TX mode\_ANT-0



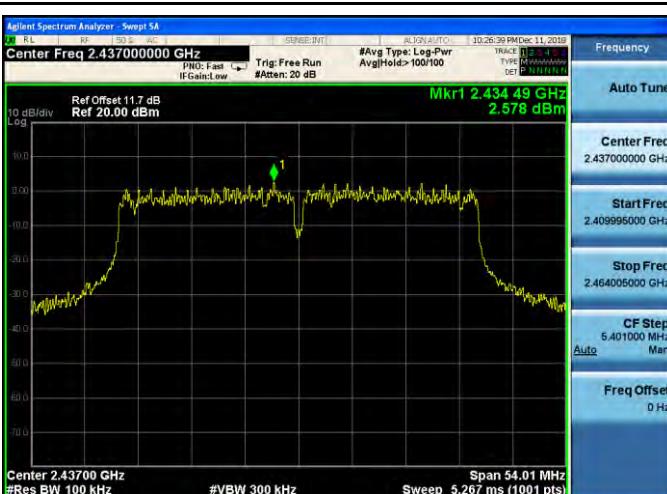
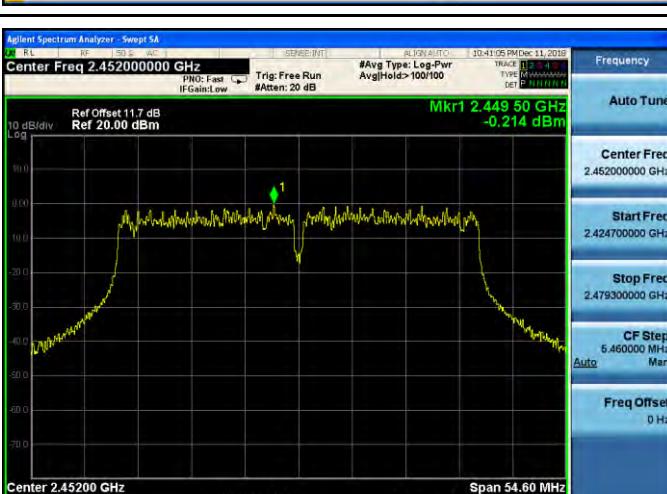
## Mode 3: IEEE 802.11g Continuous TX mode\_ANT-0



## Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-0

2412 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.412000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Span 26.56 MHz</p> <p>Center 2.41200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.600 ms (1001 pts)</p> <p>Mkr1 2.406 991 GHz 3.546 dBm</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.412000000 GHz</p> <p>Start Freq 2.398720000 GHz</p> <p>Stop Freq 2.425280000 GHz</p> <p>CF Step 2.656000 MHz Auto</p> <p>Freq Offset 0 Hz</p>
2437 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Span 26.56 MHz</p> <p>Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.533 ms (1001 pts)</p> <p>Mkr1 2.444 494 GHz 6.935 dBm</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.423720000 GHz</p> <p>Stop Freq 2.460280000 GHz</p> <p>CF Step 2.656000 MHz Auto</p> <p>Freq Offset 0 Hz</p>
2462 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.462000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Span 26.53 MHz</p> <p>Center 2.46200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.600 ms (1001 pts)</p> <p>Mkr1 2.457 008 GHz 3.516 dBm</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.462000000 GHz</p> <p>Start Freq 2.448735000 GHz</p> <p>Stop Freq 2.475265000 GHz</p> <p>CF Step 2.653000 MHz Auto</p> <p>Freq Offset 0 Hz</p>

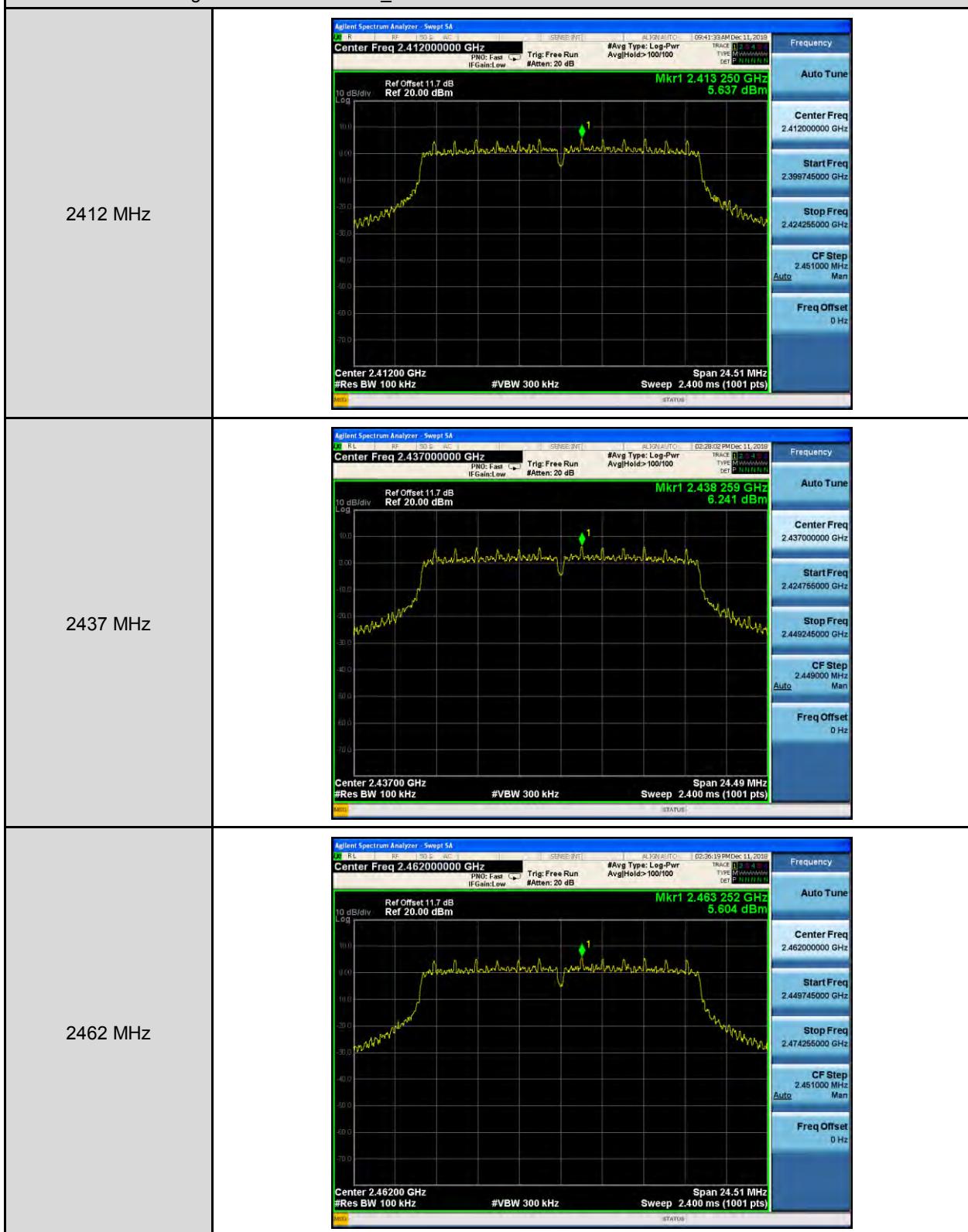
## Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-0

2422 MHz	 <p>Agilent Spectrum Analyzer - Swept SA  Center Freq 2.422000000 GHz  PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB  #Avg Type: Log-Pwr AvgHold&gt; 100/100  Ref Offset 11.7 dB Ref 20.00 dBm  10 dB/div Log  Mkr1 2.419 50 GHz -0.411 dBm  Center 2.42200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.200 ms (1001 pts)  Status</p>
2437 MHz	 <p>Agilent Spectrum Analyzer - Swept SA  Center Freq 2.437000000 GHz  PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB  #Avg Type: Log-Pwr AvgHold&gt; 100/100  Ref Offset 11.7 dB Ref 20.00 dBm  10 dB/div Log  Mkr1 2.434 49 GHz 2.578 dBm  Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.267 ms (1001 pts)  Status</p>
2452 MHz	 <p>Agilent Spectrum Analyzer - Swept SA  Center Freq 2.452000000 GHz  PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB  #Avg Type: Log-Pwr AvgHold&gt; 100/100  Ref Offset 11.7 dB Ref 20.00 dBm  10 dB/div Log  Mkr1 2.449 50 GHz -0.214 dBm  Center 2.45200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.200 ms (1001 pts)  Status  Alignment Completed</p>

## Mode 2: IEEE 802.11b Continuous TX mode\_ANT-1



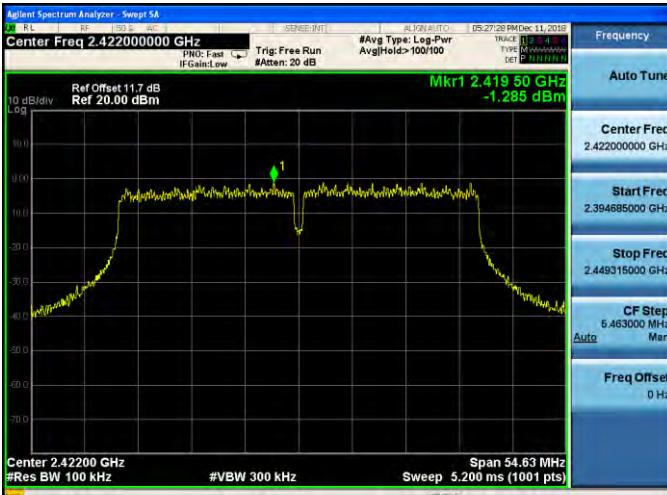
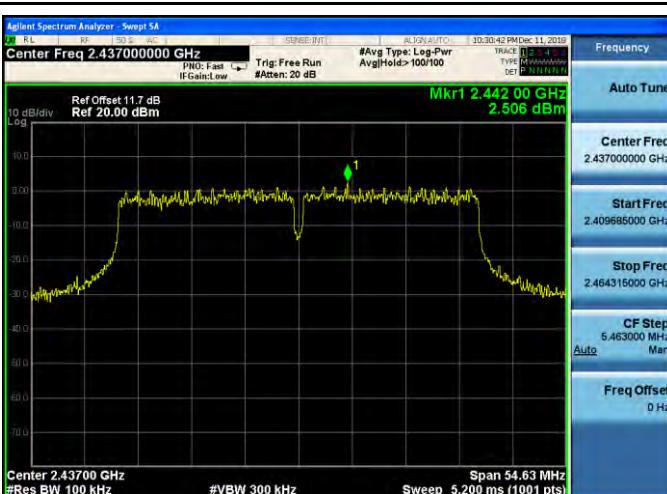
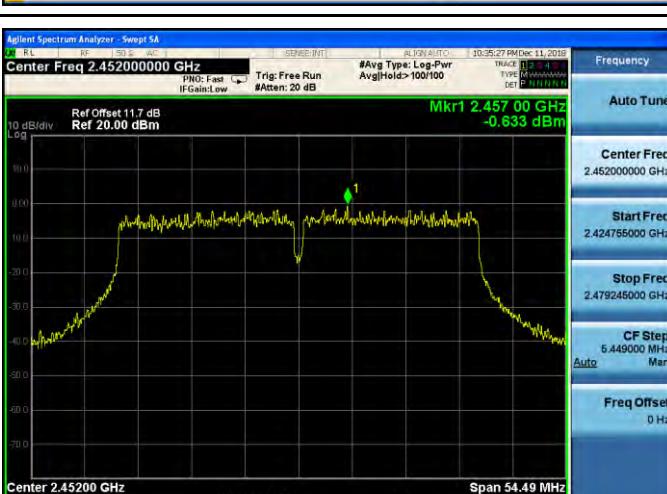
Mode 3: IEEE 802.11g Continuous TX mode \_ANT-1



## Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-1

<p>2412 MHz</p> 
<p>2437 MHz</p> 
<p>2462 MHz</p> 

## Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-1

2422 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.422000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Span 54.63 MHz</p> <p>Center 2.42200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.200 ms (1001 pts)</p> <p>Mkr1 2.419 50 GHz -1.285 dBm</p> <p>Frequency Auto Tune</p> <p>Center Freq 2.422000000 GHz</p> <p>Start Freq 2.394685000 GHz</p> <p>Stop Freq 2.449315000 GHz</p> <p>CF Step 5.463000 MHz Auto</p> <p>Freq Offset 0 Hz</p>
2437 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Span 54.63 MHz</p> <p>Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.200 ms (1001 pts)</p> <p>Mkr1 2.442 00 GHz 2.506 dBm</p> <p>Frequency Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.409685000 GHz</p> <p>Stop Freq 2.464315000 GHz</p> <p>CF Step 5.463000 MHz Auto</p> <p>Freq Offset 0 Hz</p>
2452 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.452000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Span 54.49 MHz</p> <p>Center 2.45200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 5.200 ms (1001 pts)</p> <p>Mkr1 2.457 00 GHz -0.633 dBm</p> <p>Frequency Auto Tune</p> <p>Center Freq 2.452000000 GHz</p> <p>Start Freq 2.424755000 GHz</p> <p>Stop Freq 2.479245000 GHz</p> <p>CF Step 5.449000 MHz Auto</p> <p>Freq Offset 0 Hz</p>

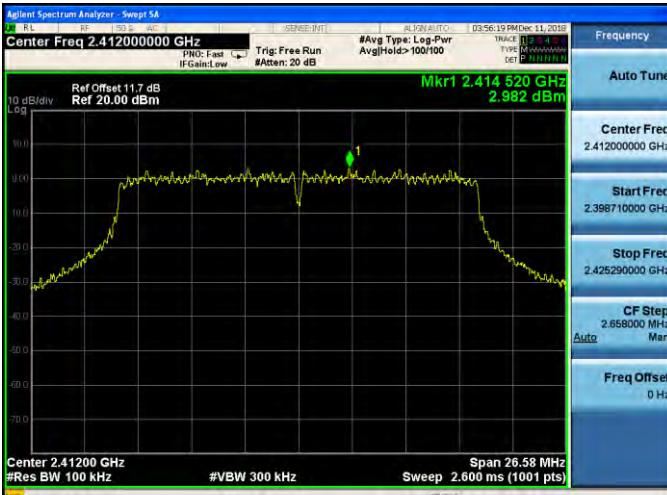
## Mode 2: IEEE 802.11b Continuous TX mode\_ANT-2



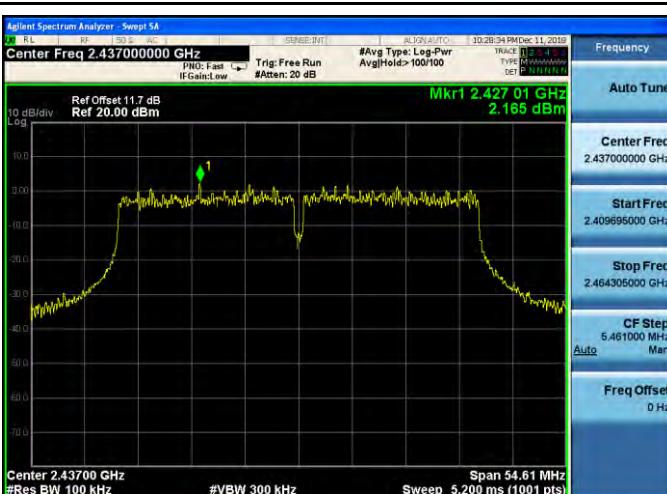
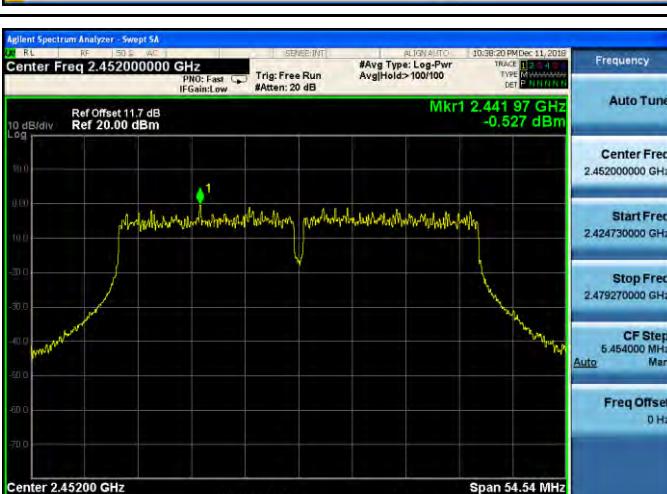
## Mode 3: IEEE 802.11g Continuous TX mode\_ANT-2



## Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-2

<p>2412 MHz</p>  <p>Agilent Spectrum Analyzer - Sweep SA  Center Freq 2.412000000 GHz  PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB  #Avg Type: Log-Pwr AvgHold&gt; 100/100  Ref Offset 11.7 dB Ref 20.00 dBm  Mkr1 2.414 520 GHz 2.982 dBm  10 dB/div Log  Center 2.41200 GHz #Res BW 100 kHz #VBW 300 kHz Span 26.58 MHz Sweep 2.600 ms (1001 pts)  Frequency Auto Tune  Center Freq 2.412000000 GHz  Start Freq 2.398710000 GHz  Stop Freq 2.425290000 GHz  CF Step 2.656000 MHz Auto Man  Freq Offset 0 Hz</p>
<p>2437 MHz</p>  <p>Agilent Spectrum Analyzer - Sweep SA  Center Freq 2.437000000 GHz  PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB  #Avg Type: Log-Pwr AvgHold&gt; 100/100  Ref Offset 11.7 dB Ref 20.00 dBm  Mkr1 2.438 491 GHz 6.777 dBm  10 dB/div Log  Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Span 26.56 MHz Sweep 2.533 ms (1001 pts)  Frequency Auto Tune  Center Freq 2.437000000 GHz  Start Freq 2.423720000 GHz  Stop Freq 2.460280000 GHz  CF Step 2.656000 MHz Auto Man  Freq Offset 0 Hz</p>
<p>2462 MHz</p>  <p>Agilent Spectrum Analyzer - Sweep SA  Center Freq 2.462000000 GHz  PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB  #Avg Type: Log-Pwr AvgHold&gt; 100/100  Ref Offset 11.7 dB Ref 20.00 dBm  Mkr1 2.466 993 GHz 3.280 dBm  10 dB/div Log  Center 2.46200 GHz #Res BW 100 kHz #VBW 300 kHz Span 26.52 MHz Sweep 2.600 ms (1001 pts)  Frequency Auto Tune  Center Freq 2.462000000 GHz  Start Freq 2.448740000 GHz  Stop Freq 2.475260000 GHz  CF Step 2.652000 MHz Auto Man  Freq Offset 0 Hz</p>

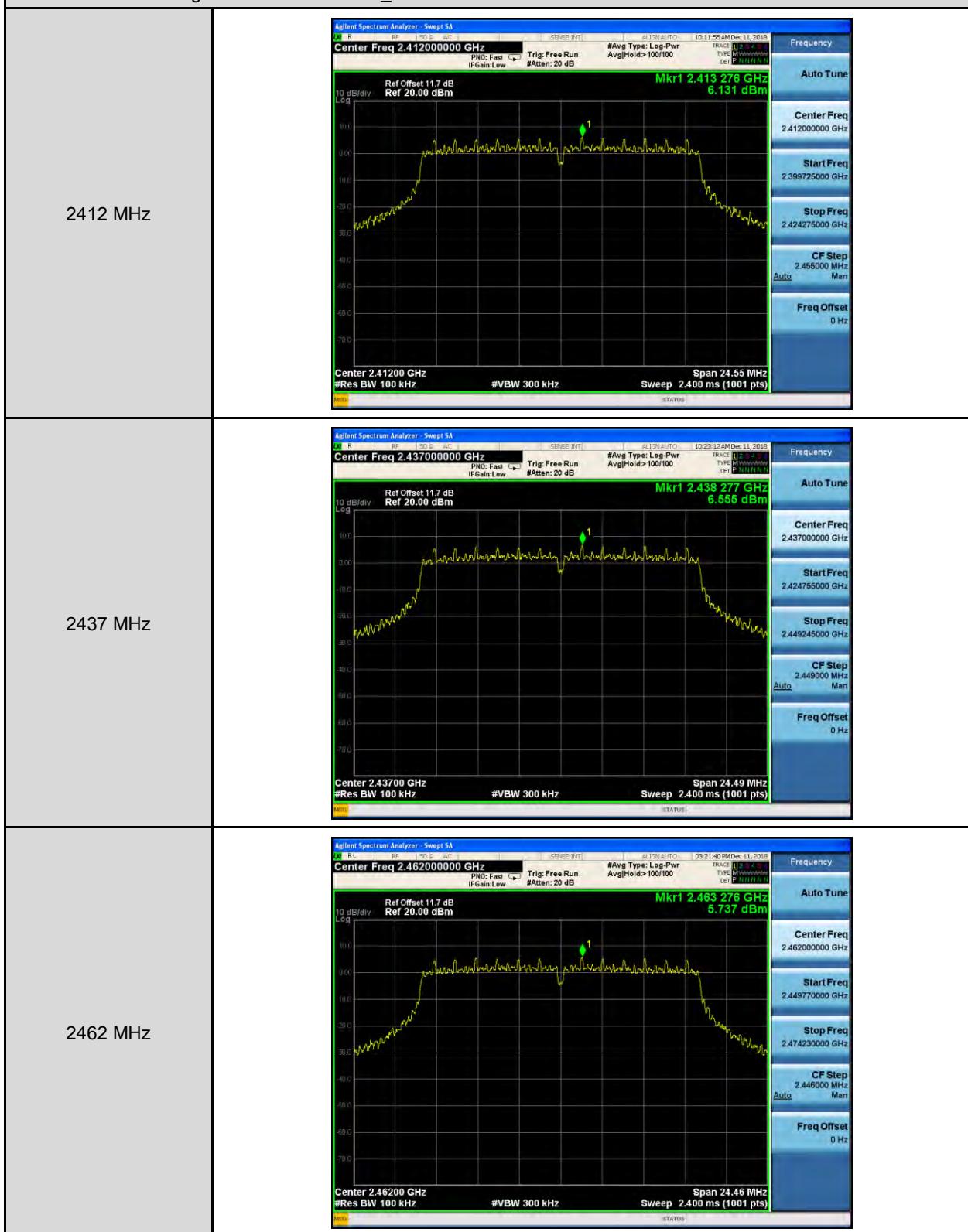
## Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-2

2422 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.422000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Span 54.64 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 5.200 ms (1001 pts)</p> <p>Mkr1 2.424 49 GHz -0.815 dBm</p> <p>Frequency Auto Tune</p> <p>Center Freq 2.422000000 GHz</p> <p>Start Freq 2.394680000 GHz</p> <p>Stop Freq 2.449320000 GHz</p> <p>CF Step 5.464000 MHz Auto</p> <p>Freq Offset 0 Hz</p>
2437 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Span 54.61 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 5.200 ms (1001 pts)</p> <p>Mkr1 2.427 01 GHz 2.165 dBm</p> <p>Frequency Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.409695000 GHz</p> <p>Stop Freq 2.464305000 GHz</p> <p>CF Step 5.461000 MHz Auto</p> <p>Freq Offset 0 Hz</p>
2452 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.452000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Span 54.54 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 5.267 ms (1001 pts)</p> <p>Mkr1 2.441 97 GHz -0.527 dBm</p> <p>Frequency Auto Tune</p> <p>Center Freq 2.452000000 GHz</p> <p>Start Freq 2.424730000 GHz</p> <p>Stop Freq 2.479270000 GHz</p> <p>CF Step 5.454000 MHz Auto</p> <p>Freq Offset 0 Hz</p>

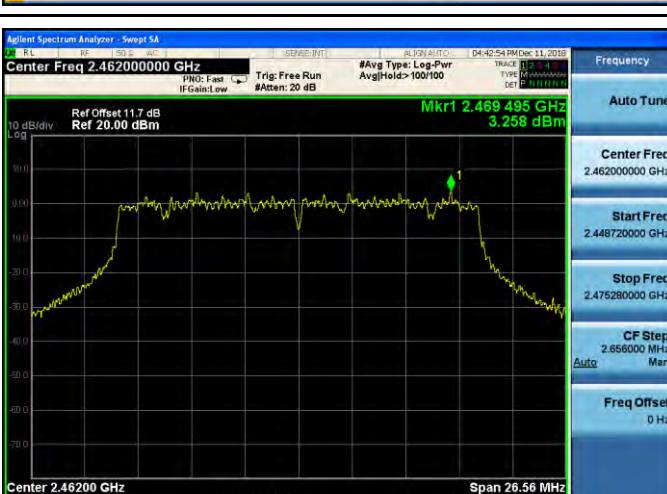
## Mode 2: IEEE 802.11b Continuous TX mode\_ANT-3

2412 MHz	 <p>Agilent Spectrum Analyzer - Swept SA  Center Freq 2.412000000 GHz  PNO: Wide IFGain:Low Trig: Free Run #Atten: 20 dB  #Avg Type: Log-Pwr AvgHold&gt;100/100  Mkr1 2.412 497 GHz 10.268 dBm  Ref Offset 11.7 dB Ref 20.00 dBm  10 dB/div Log  -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100  Center 2.412000 GHz #Res BW 100 kHz #VBW 300 kHz Span 12.08 MHz Sweep 1.200 ms (1001 pts)  AVERAGE STATUS</p>
2437 MHz	 <p>Agilent Spectrum Analyzer - Swept SA  Center Freq 2.437000000 GHz  PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB  #Avg Type: Log-Pwr AvgHold&gt;100/100  Mkr1 2.436 508 GHz 10.603 dBm  Ref Offset 11.7 dB Ref 20.00 dBm  10 dB/div Log  -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100  Center 2.437000 GHz #Res BW 100 kHz #VBW 300 kHz Span 12.15 MHz Sweep 1.267 ms (1001 pts)  AVERAGE STATUS</p>
2462 MHz	 <p>Agilent Spectrum Analyzer - Swept SA  Center Freq 2.462000000 GHz  PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB  #Avg Type: Log-Pwr AvgHold&gt;100/100  Mkr1 2.461 496 GHz 10.524 dBm  Ref Offset 11.7 dB Ref 20.00 dBm  10 dB/div Log  -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100  Center 2.462000 GHz #Res BW 100 kHz #VBW 300 kHz Span 12.04 MHz Sweep 1.267 ms (1001 pts)  AVERAGE STATUS</p>

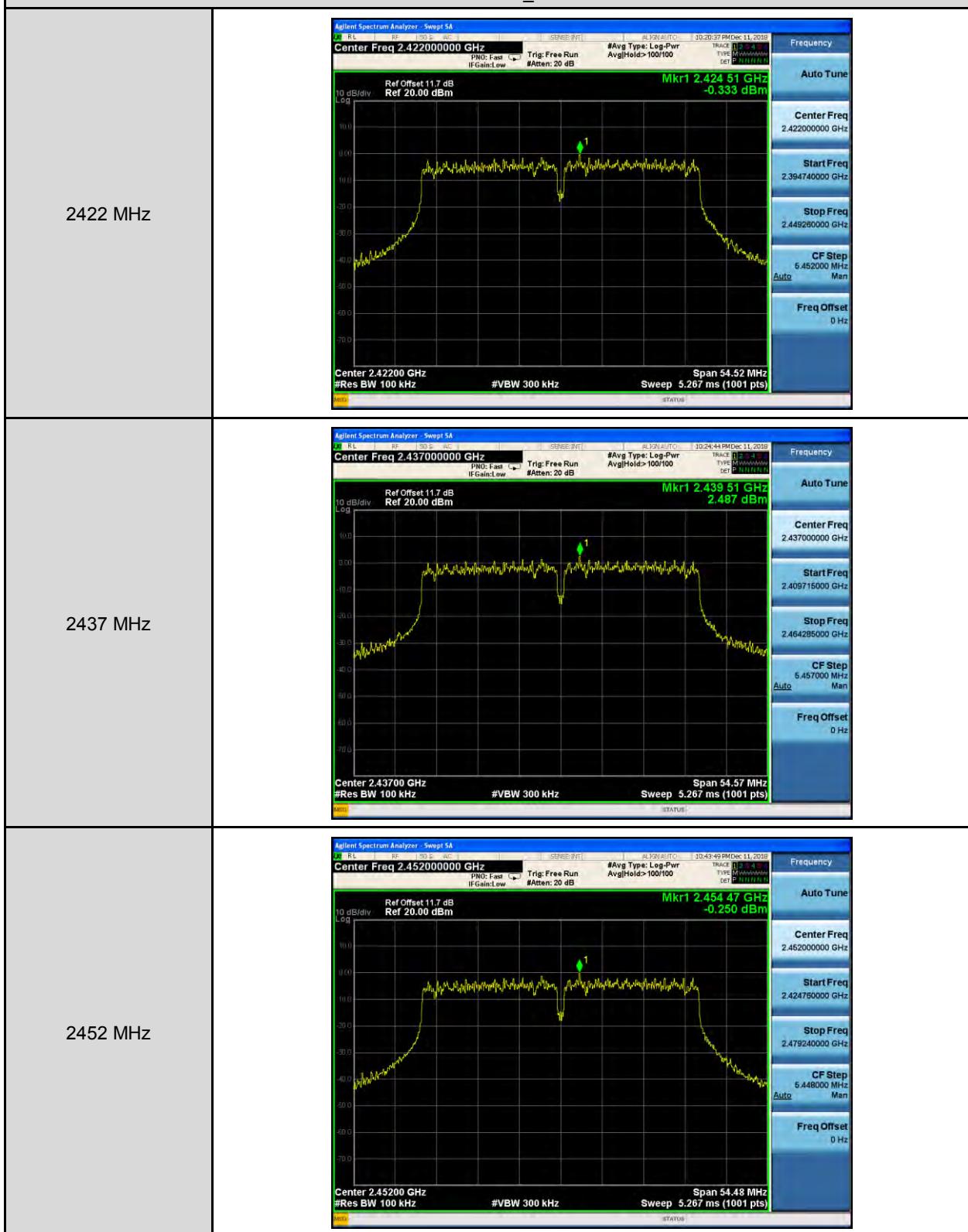
## Mode 3: IEEE 802.11g Continuous TX mode\_ANT-3



## Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-3

<p>2412 MHz</p>  <p>Agilent Spectrum Analyzer - Swept SA  Center Freq 2.412000000 GHz  PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB  #Avg Type: Log-Pwr AvgHold&gt; 100/100  Ref Offset 11.7 dB Ref 20.00 dBm  Mkr1 2.414 496 GHz 3.487 dBm  10 dB/div Log  Center 2.41200 GHz #Res BW 100 kHz #VBW 300 kHz Span 26.62 MHz Sweep 2.533 ms (1001 pts)  Frequency Auto Tune  Center Freq 2.412000000 GHz  Start Freq 2.398690000 GHz  Stop Freq 2.425310000 GHz  CF Step 2.652000 MHz Auto Man  Freq Offset 0 Hz</p>
<p>2437 MHz</p>  <p>Agilent Spectrum Analyzer - Swept SA  Center Freq 2.437000000 GHz  PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB  #Avg Type: Log-Pwr AvgHold&gt; 100/100  Ref Offset 11.7 dB Ref 20.00 dBm  Mkr1 2.434 507 GHz 6.863 dBm  10 dB/div Log  Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Span 26.55 MHz Sweep 2.600 ms (1001 pts)  Frequency Auto Tune  Center Freq 2.437000000 GHz  Start Freq 2.423725000 GHz  Stop Freq 2.450275000 GHz  CF Step 2.655000 MHz Auto Man  Freq Offset 0 Hz</p>
<p>2462 MHz</p>  <p>Agilent Spectrum Analyzer - Swept SA  Center Freq 2.462000000 GHz  PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB  #Avg Type: Log-Pwr AvgHold&gt; 100/100  Ref Offset 11.7 dB Ref 20.00 dBm  Mkr1 2.469 495 GHz 3.258 dBm  10 dB/div Log  Center 2.46200 GHz #Res BW 100 kHz #VBW 300 kHz Span 26.56 MHz Sweep 2.533 ms (1001 pts)  Frequency Auto Tune  Center Freq 2.462000000 GHz  Start Freq 2.448720000 GHz  Stop Freq 2.475280000 GHz  CF Step 2.656000 MHz Auto Man  Freq Offset 0 Hz</p>

## Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-3



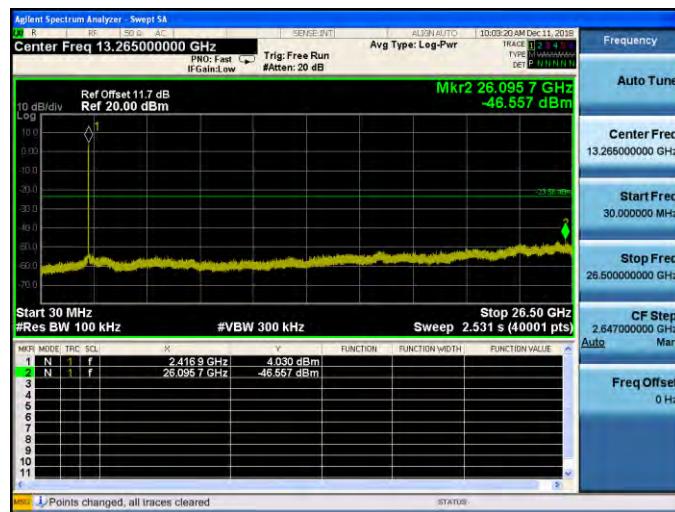
### Out of Band Conducted Emissions

Mode 2: IEEE 802.11b Continuous TX mode\_ANT-0

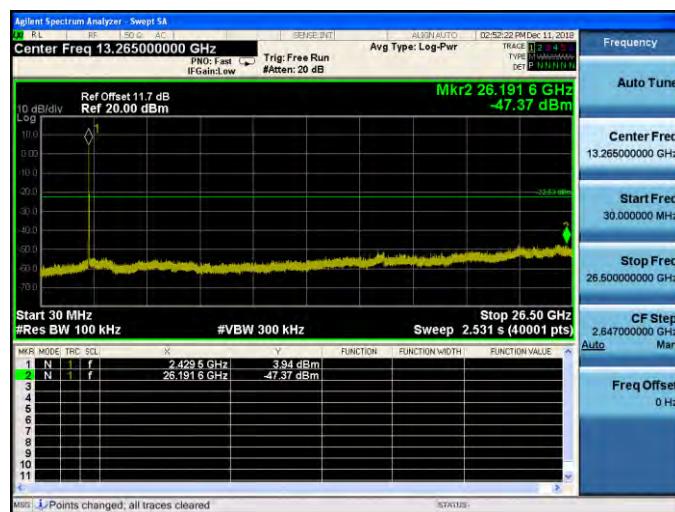


## Mode 3: IEEE 802.11g Continuous TX mode\_ANT-0

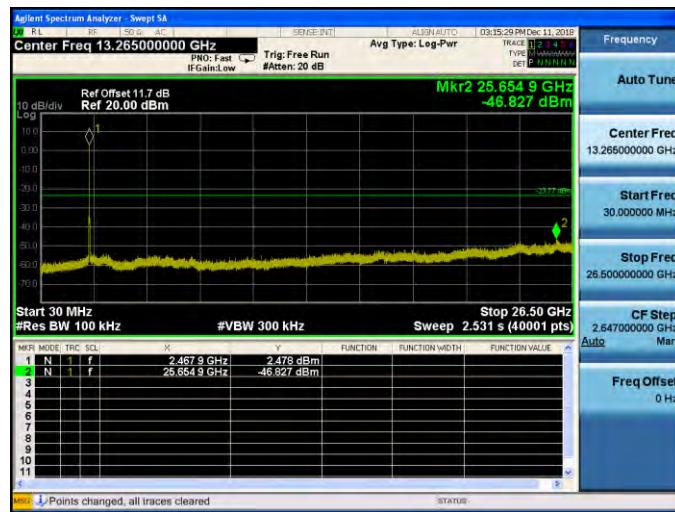
2412 MHz



2437 MHz

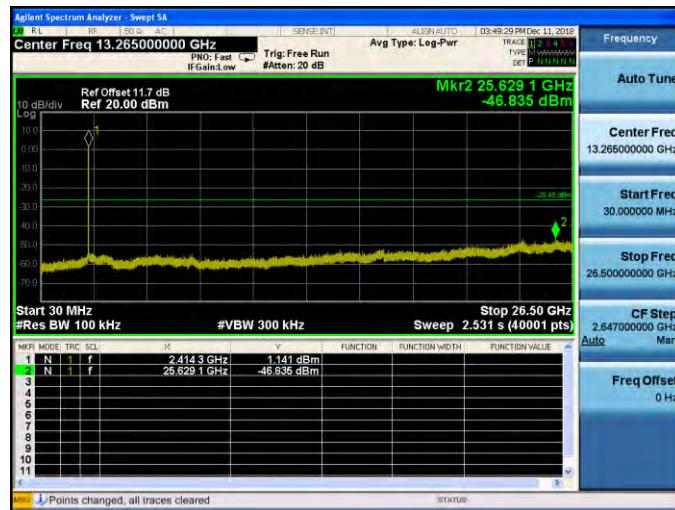


2462 MHz

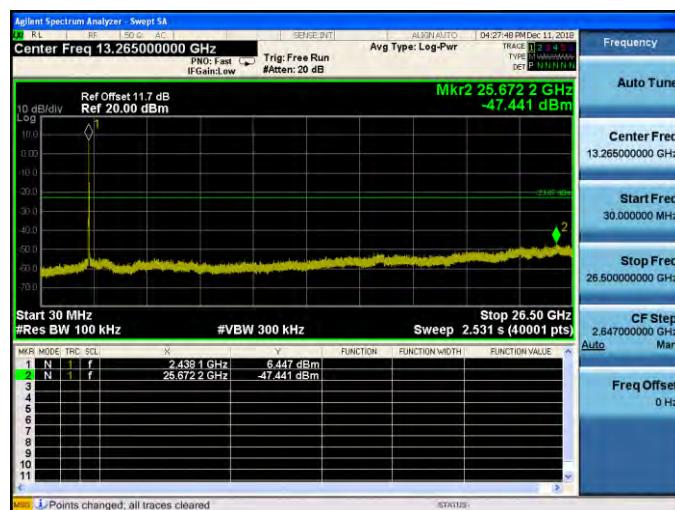


## Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-0

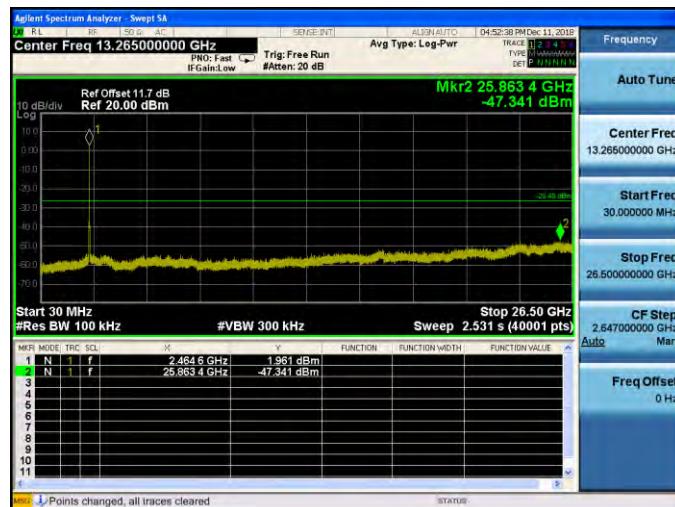
2412 MHz



2437 MHz

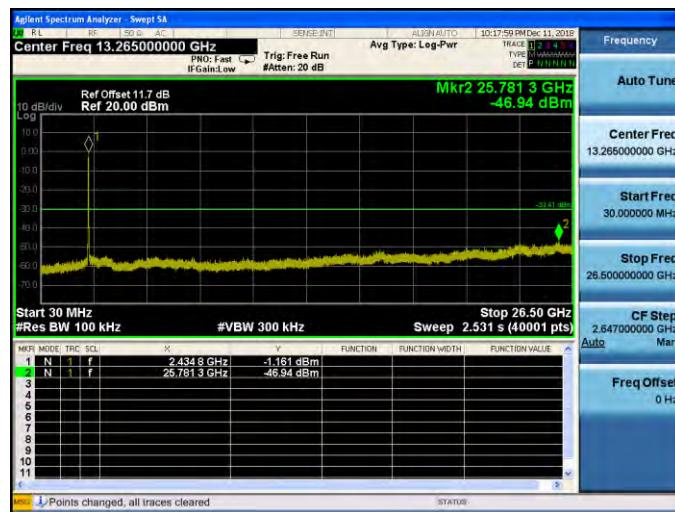


2462 MHz

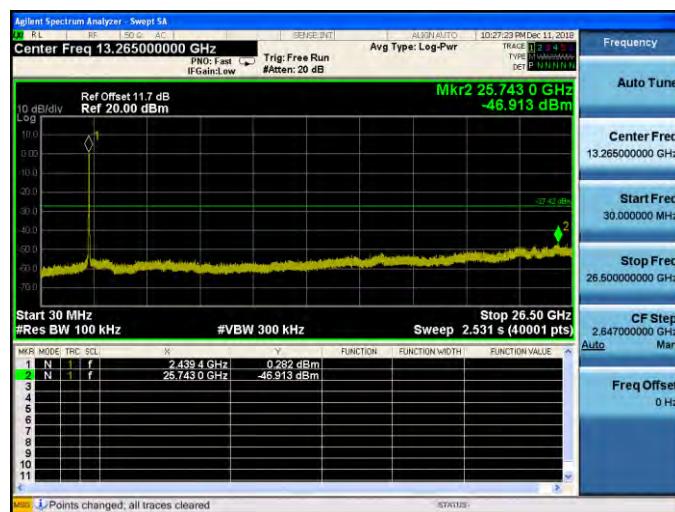


## Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-0

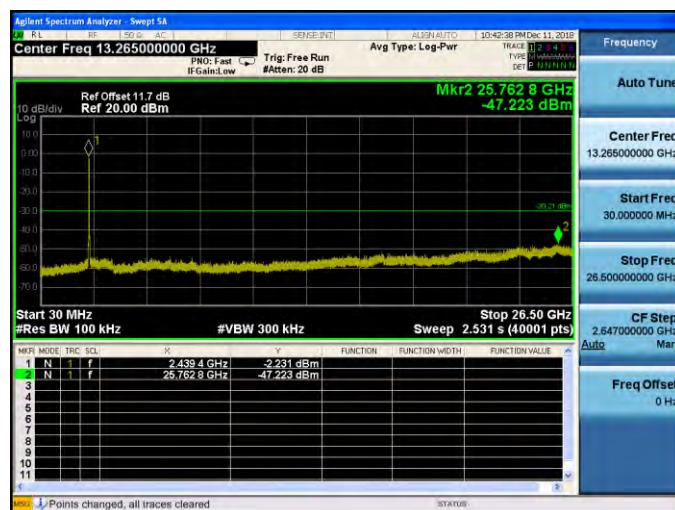
2422 MHz



2437 MHz



2452 MHz

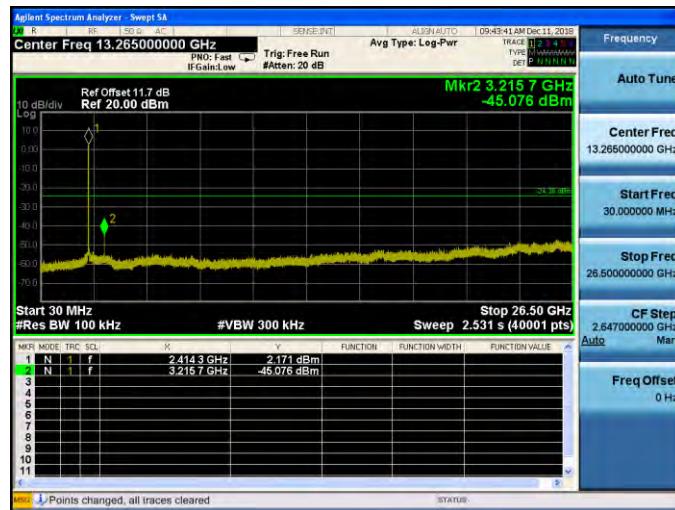


## Mode 2: IEEE 802.11b Continuous TX mode\_ANT-1

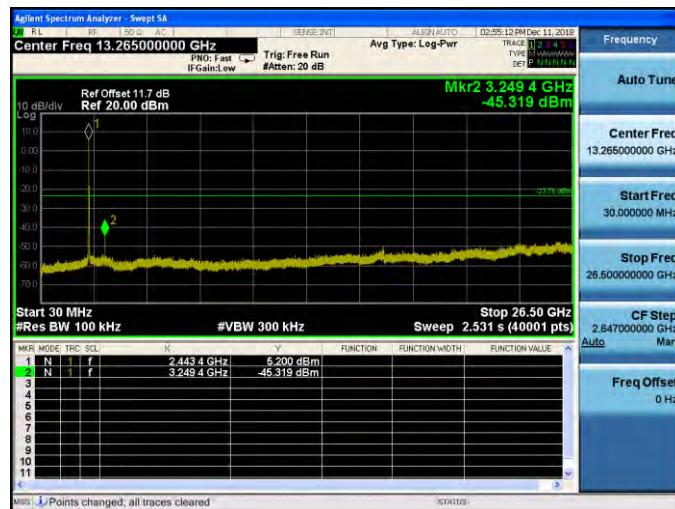


## Mode 3: IEEE 802.11g Continuous TX mode\_ANT-1

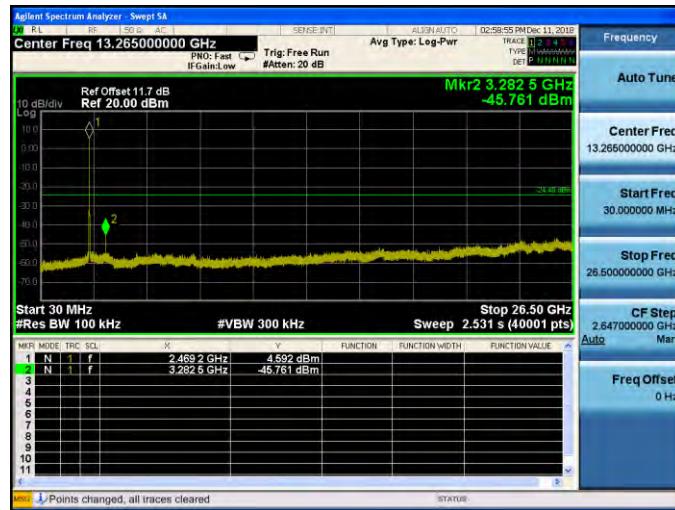
2412 MHz



2437 MHz

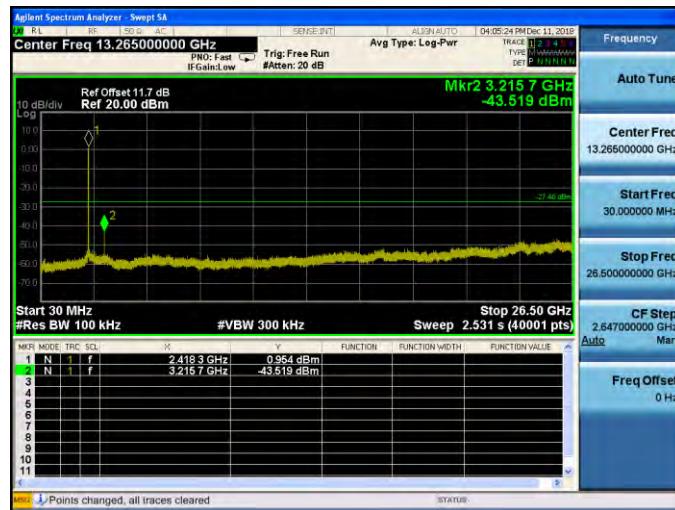


2462 MHz

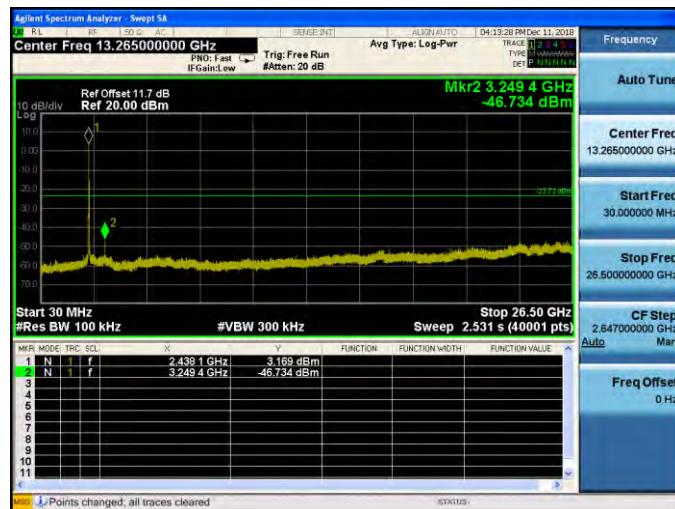


## Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-1

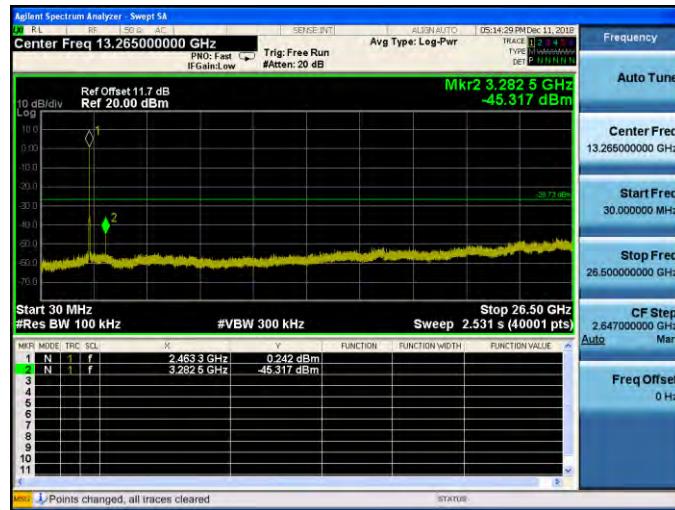
2412 MHz



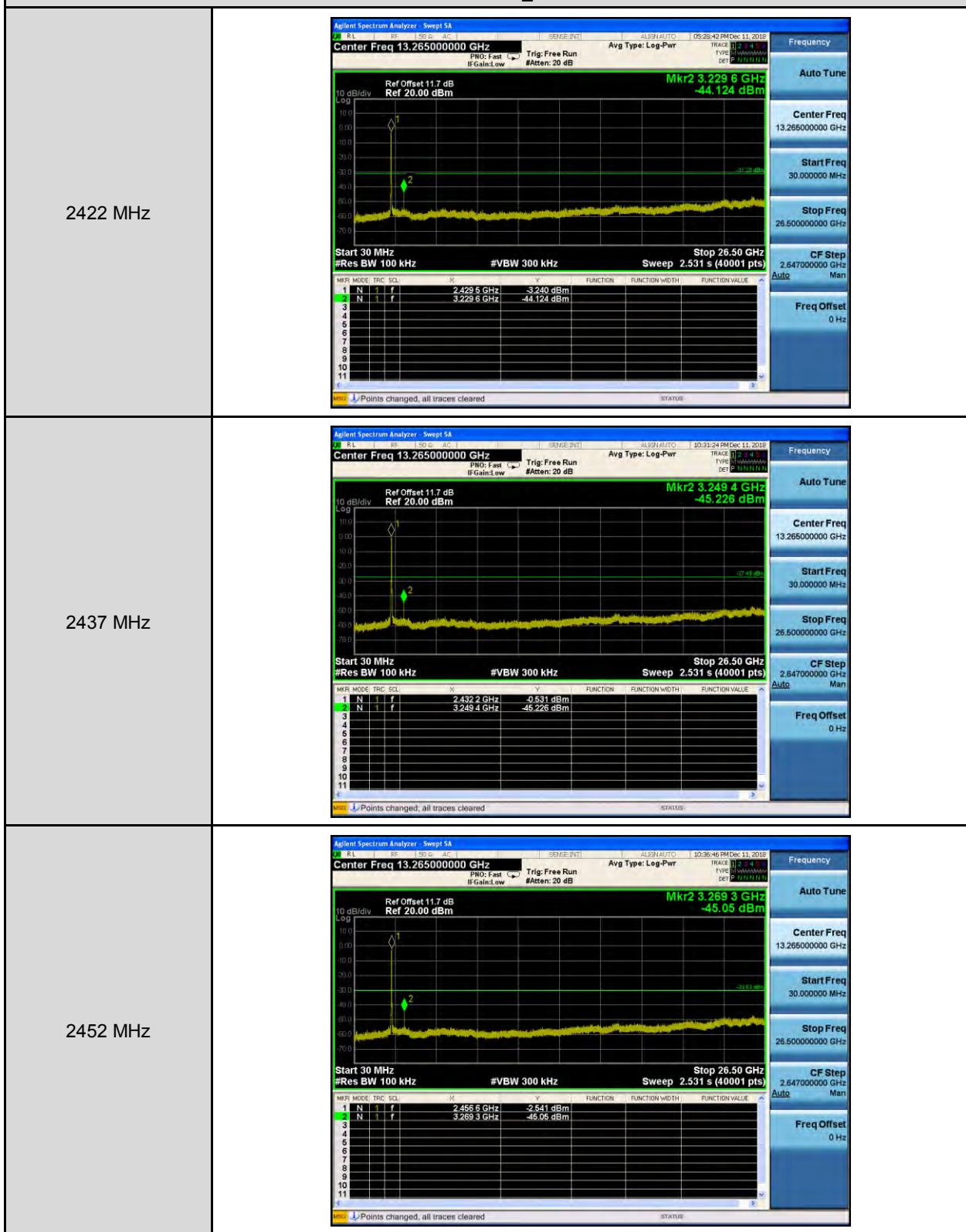
2437 MHz



2462 MHz

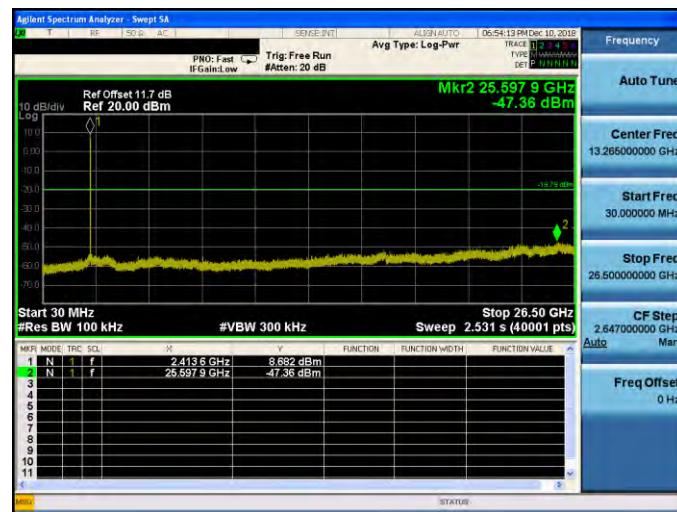


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-1

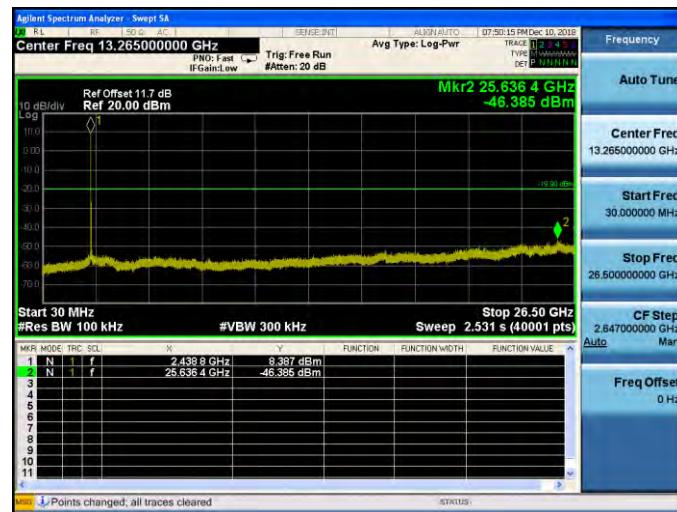


## Mode 2: IEEE 802.11b Continuous TX mode\_ANT-2

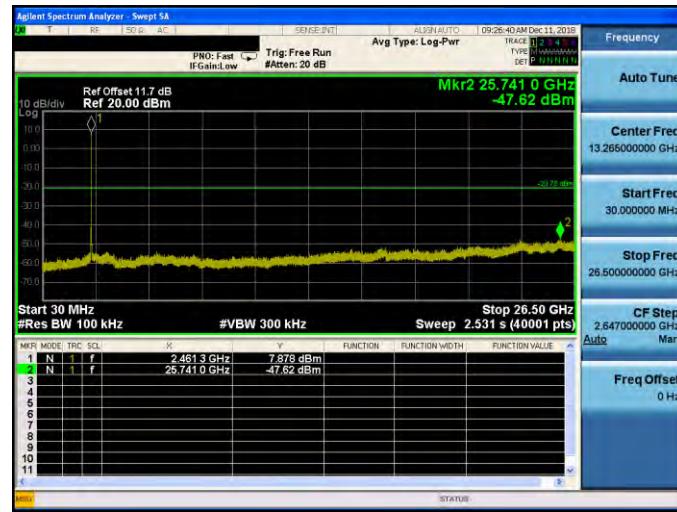
2412 MHz



2437 MHz

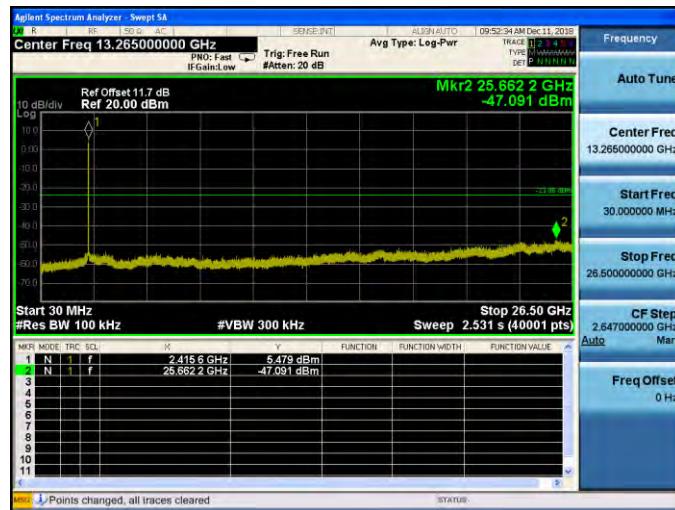


2462 MHz

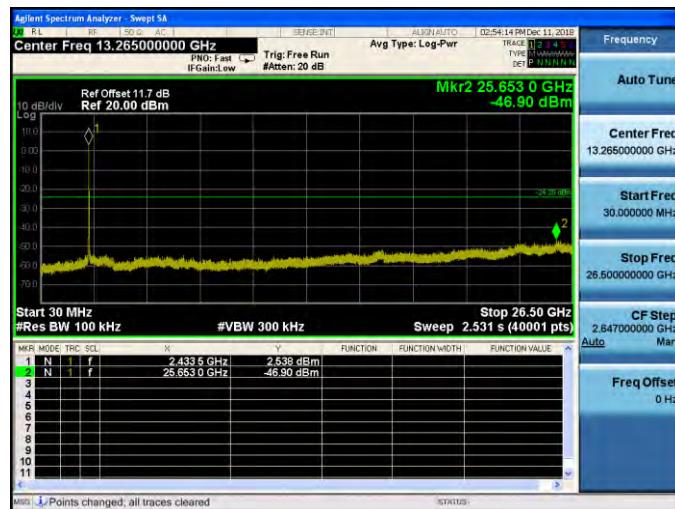


## Mode 3: IEEE 802.11g Continuous TX mode\_ANT-2

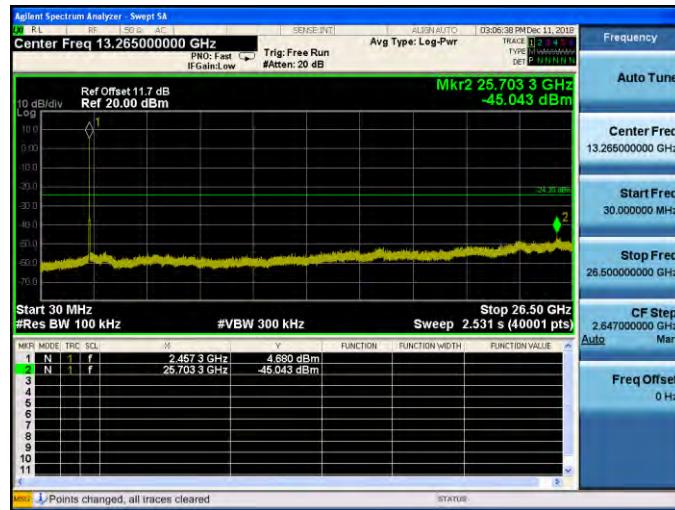
2412 MHz



2437 MHz

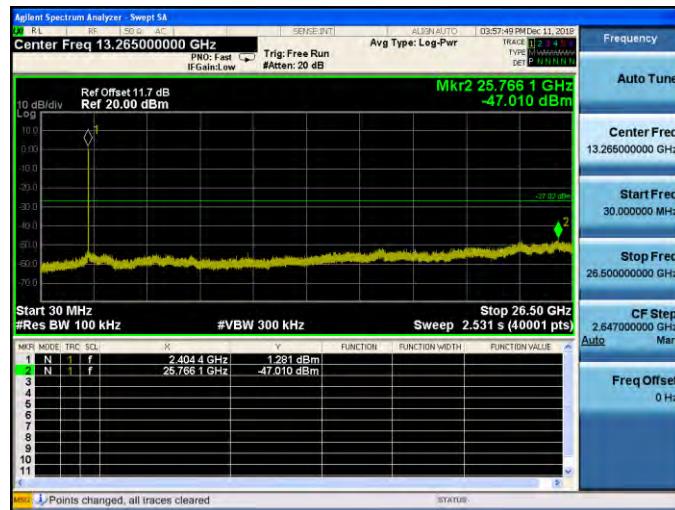


2462 MHz

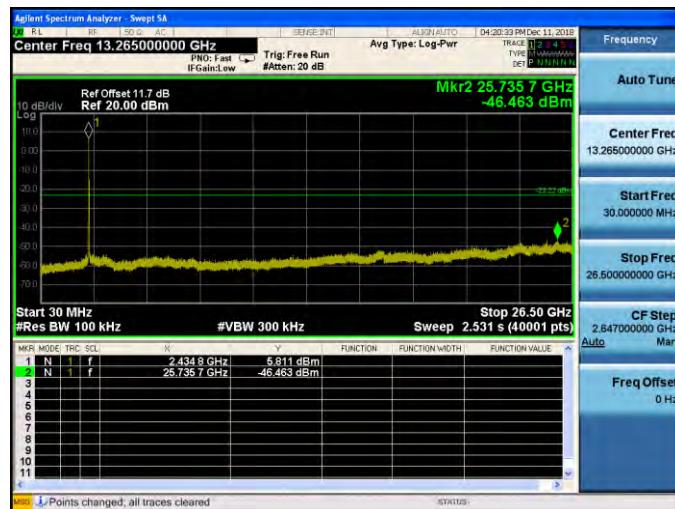


## Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-2

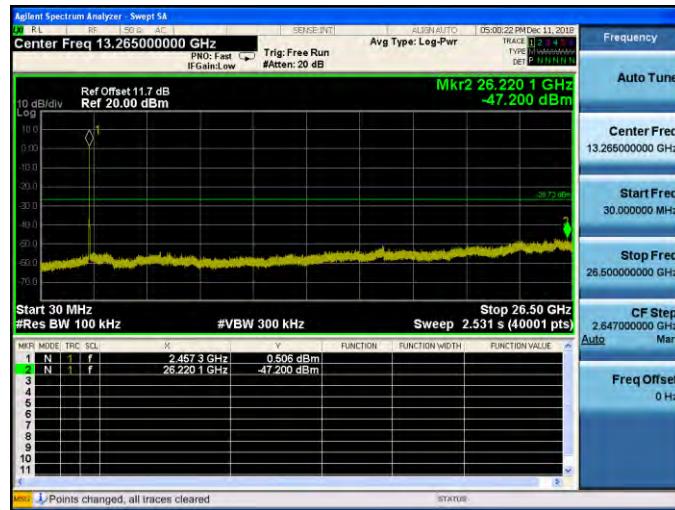
2412 MHz



2437 MHz



2462 MHz

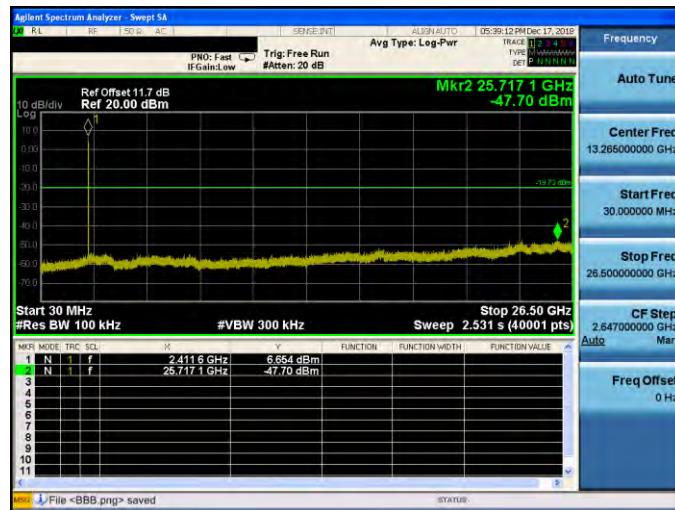


Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-2

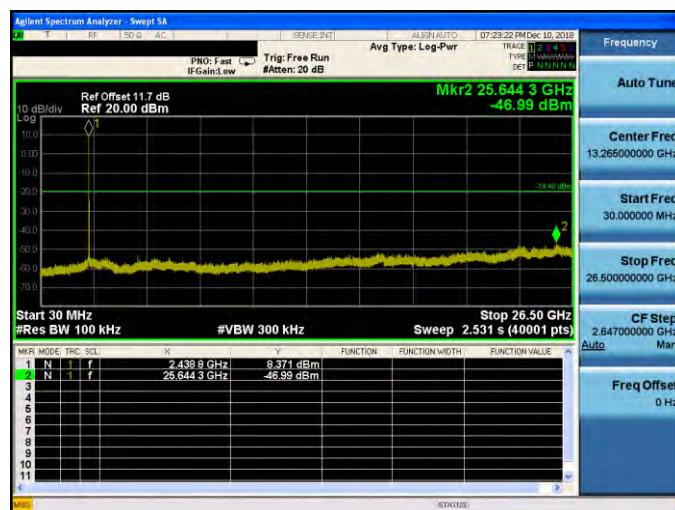


## Mode 2: IEEE 802.11b Continuous TX mode\_ANT-3

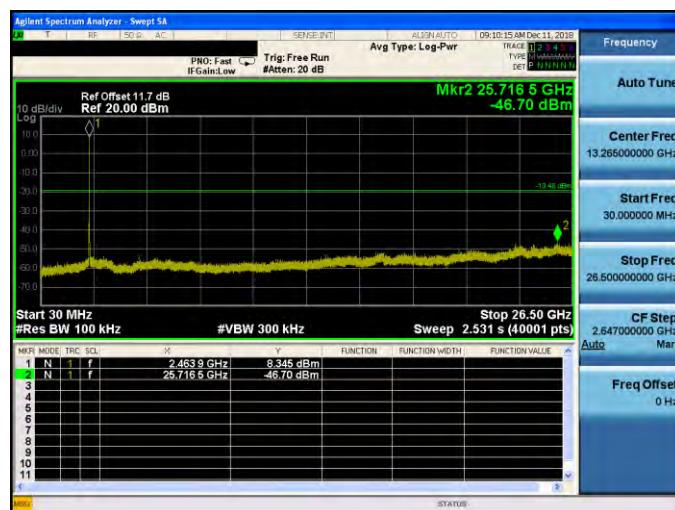
2412 MHz



2437 MHz

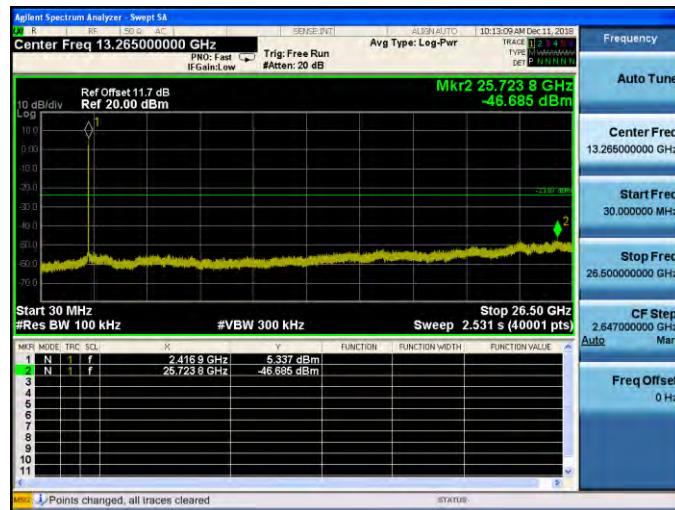


2462 MHz

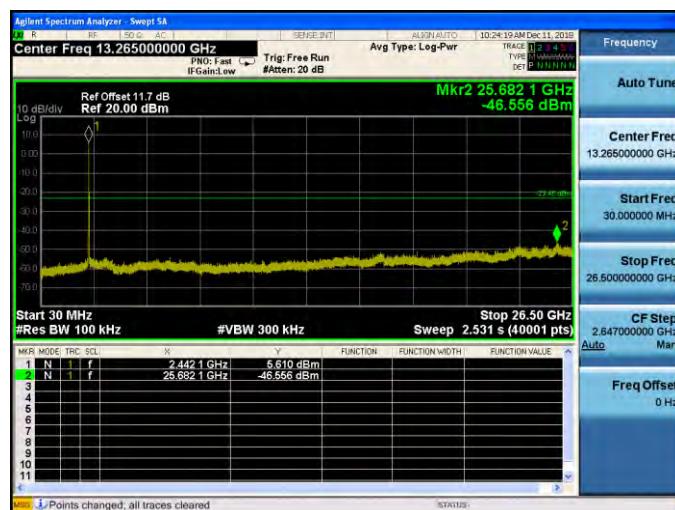


## Mode 3: IEEE 802.11g Continuous TX mode\_ANT-3

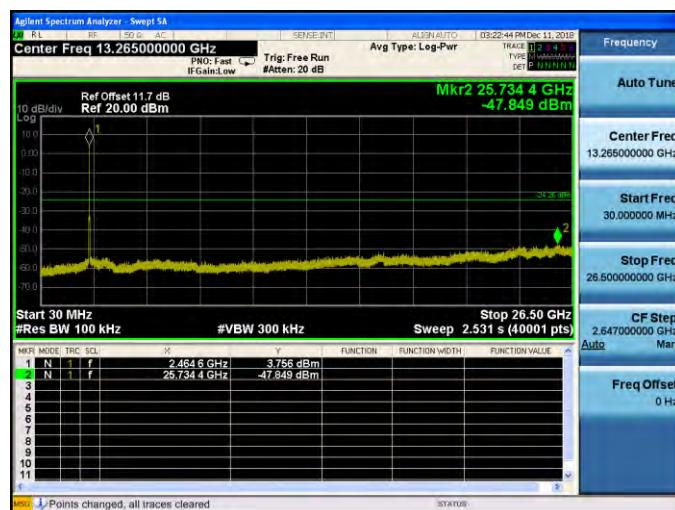
2412 MHz



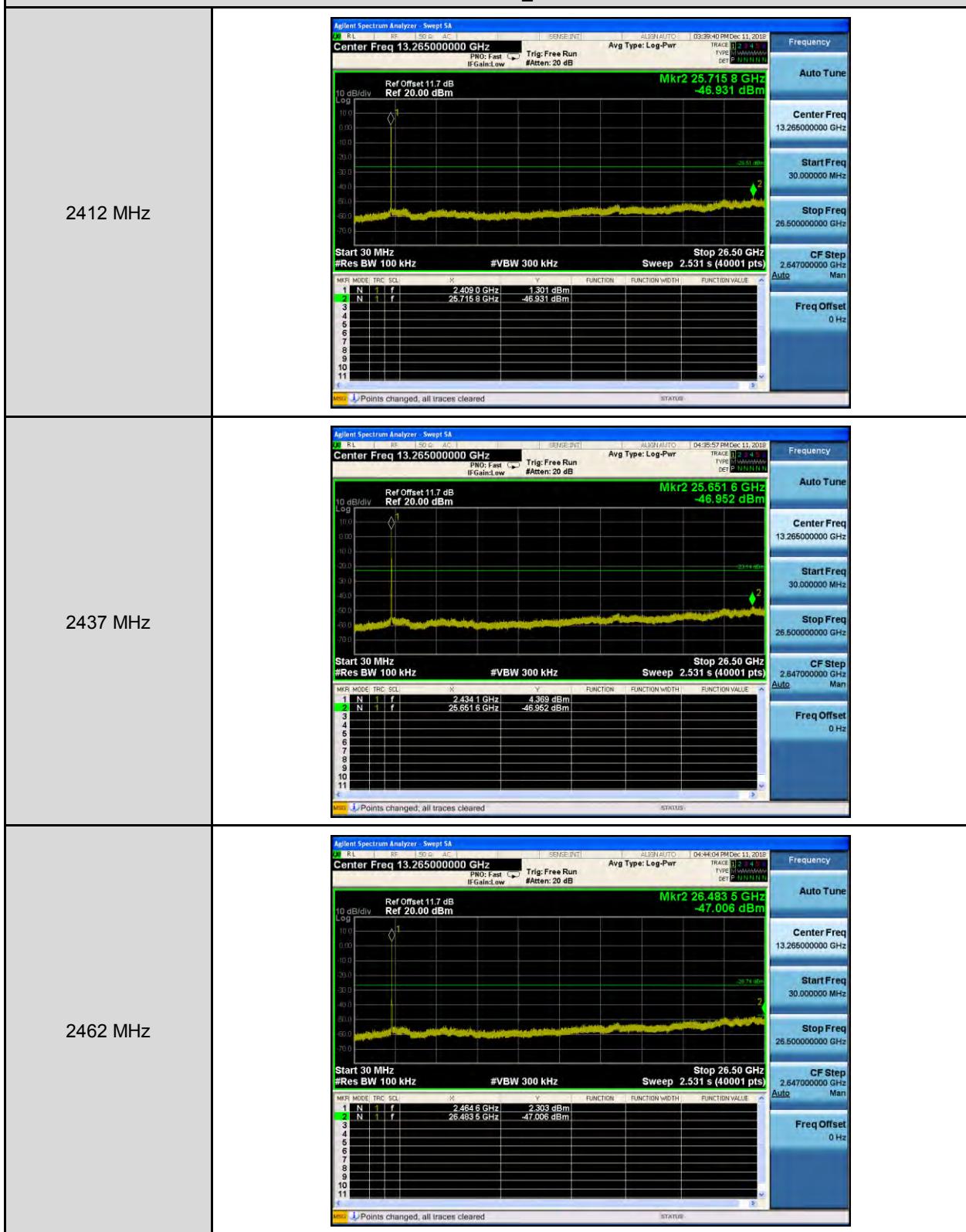
2437 MHz



2462 MHz



## Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-3



Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-3



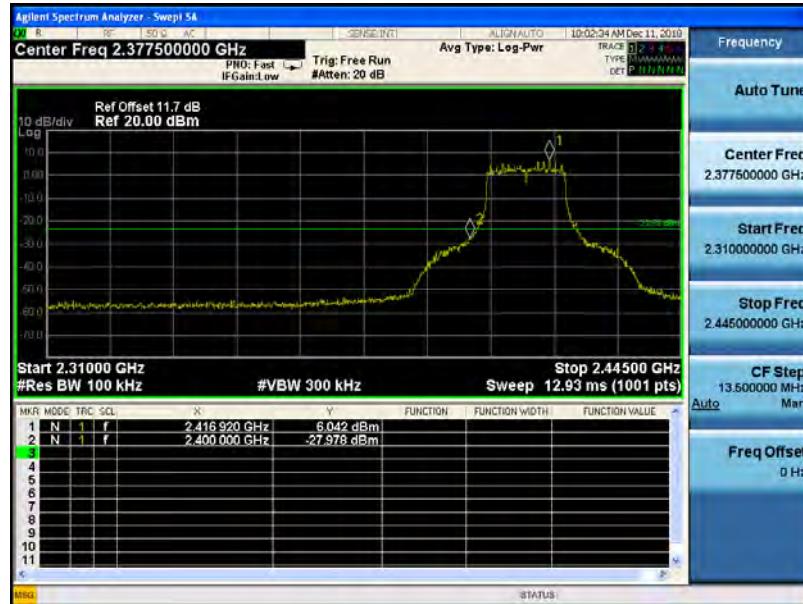
## Conducted Band Edge

Mode 2: IEEE 802.11b Continuous TX mode\_ANT-0



## Mode 3: IEEE 802.11g Continuous TX mode\_ANT-0

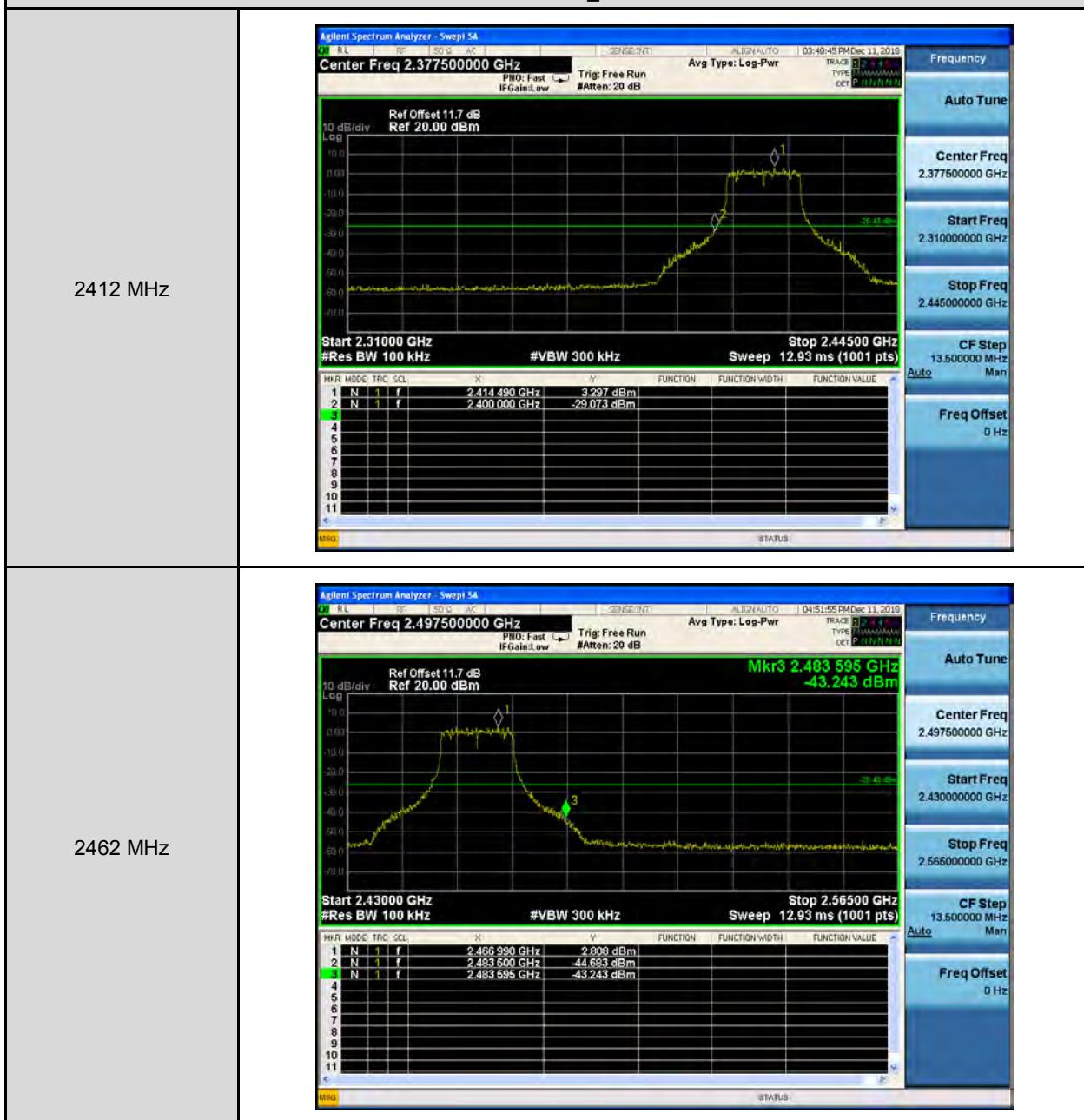
2412 MHz



2462 MHz



Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-0



## Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-0

2422 MHz



2452 MHz



## Mode 2: IEEE 802.11b Continuous TX mode\_ANT-1

2412 MHz

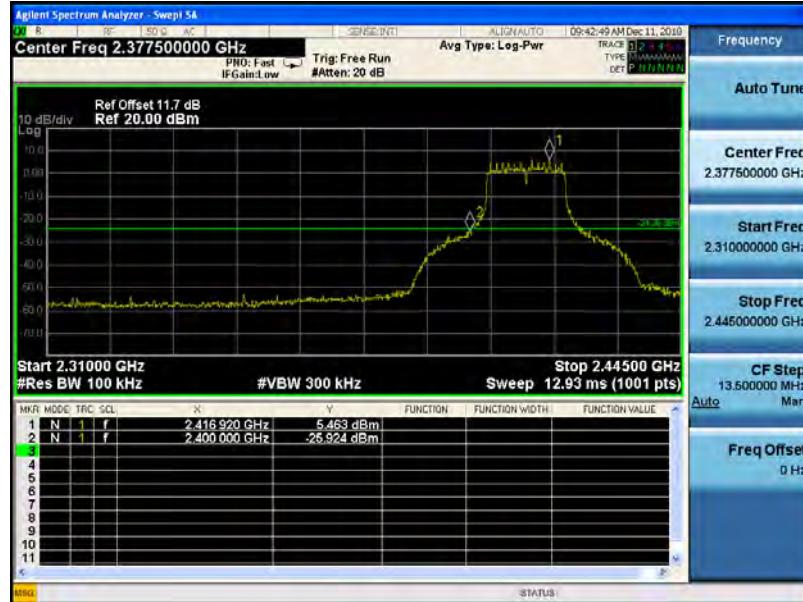


2462 MHz



## Mode 3: IEEE 802.11g Continuous TX mode\_ANT-1

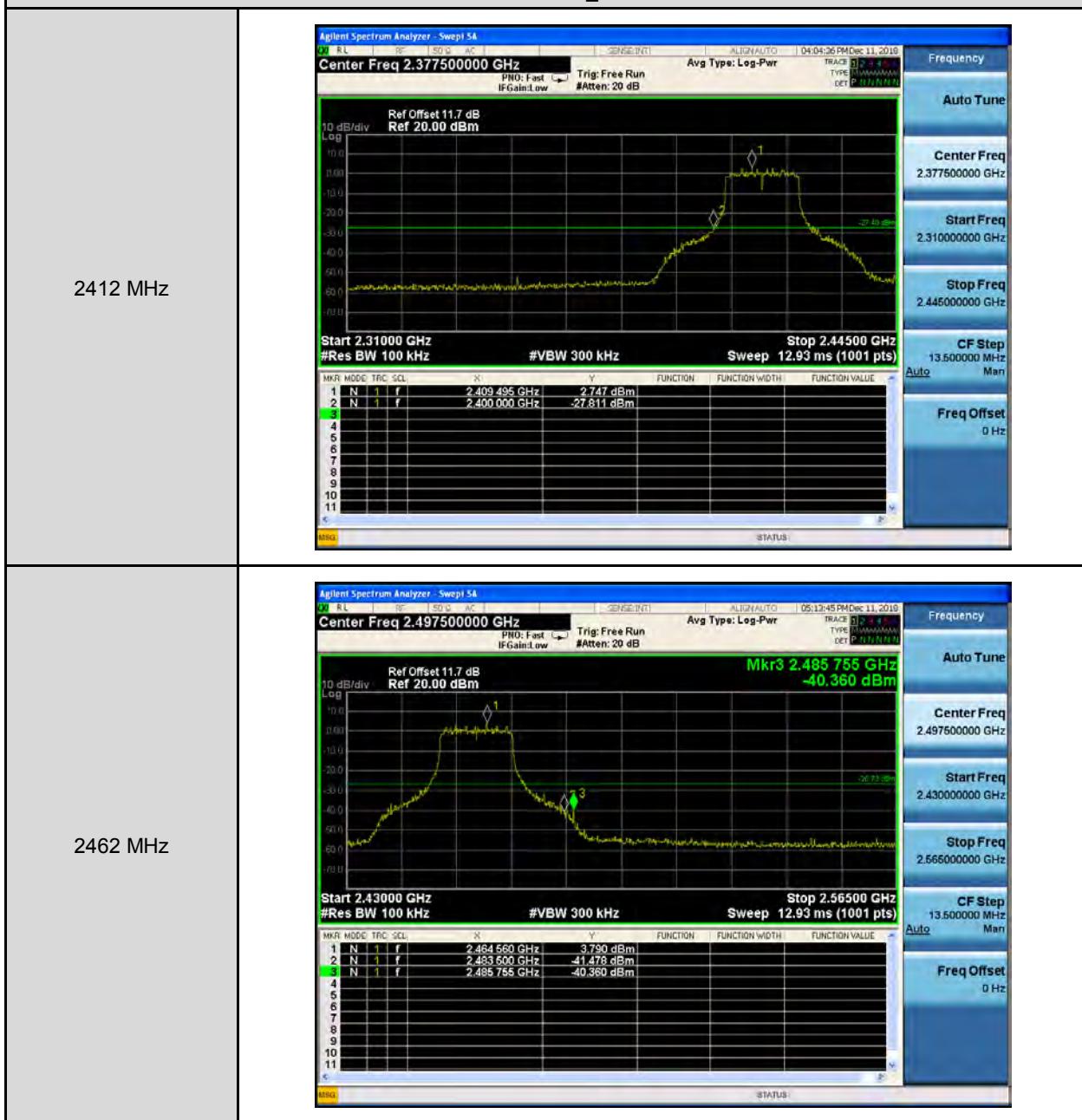
2412 MHz



2462 MHz

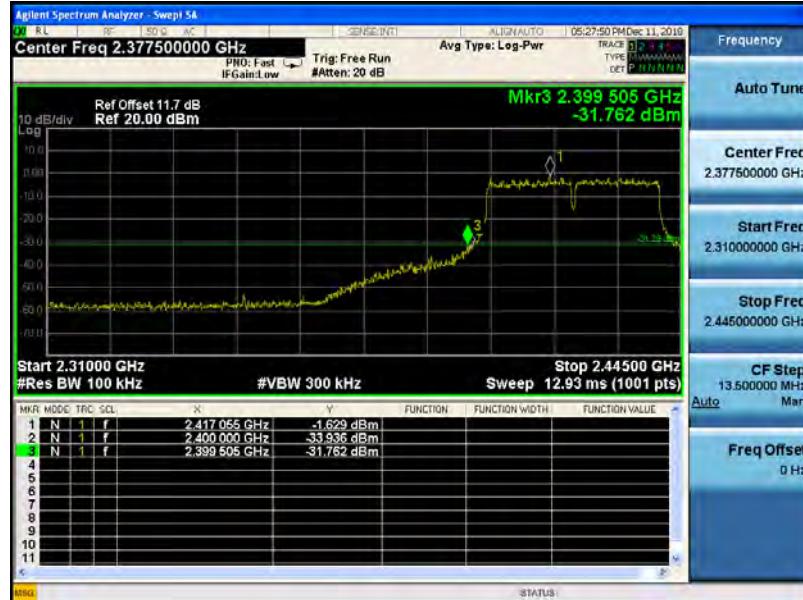


Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-1



Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-1

2422 MHz



2452 MHz



## Mode 2: IEEE 802.11b Continuous TX mode\_ANT-2

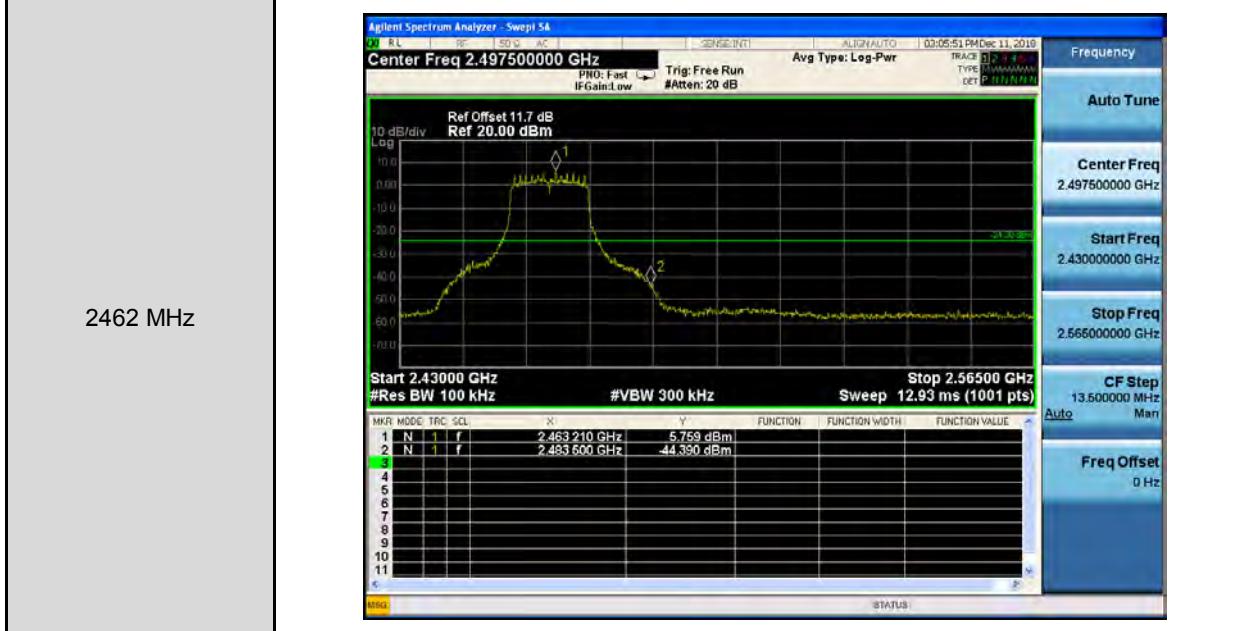
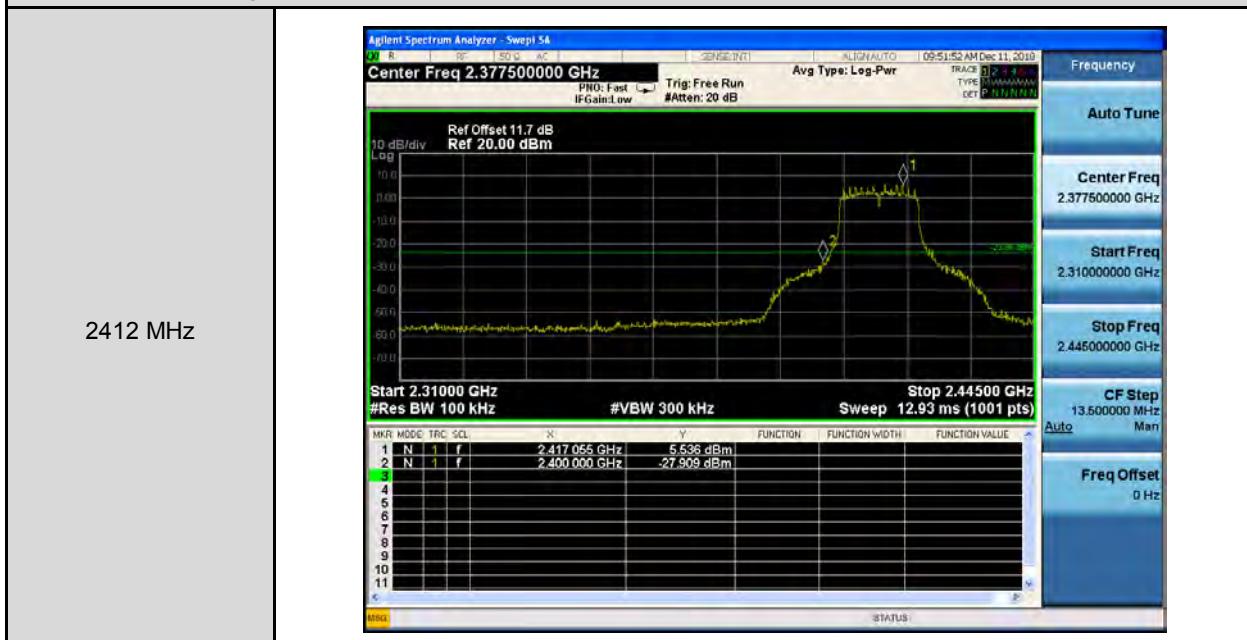
2412 MHz



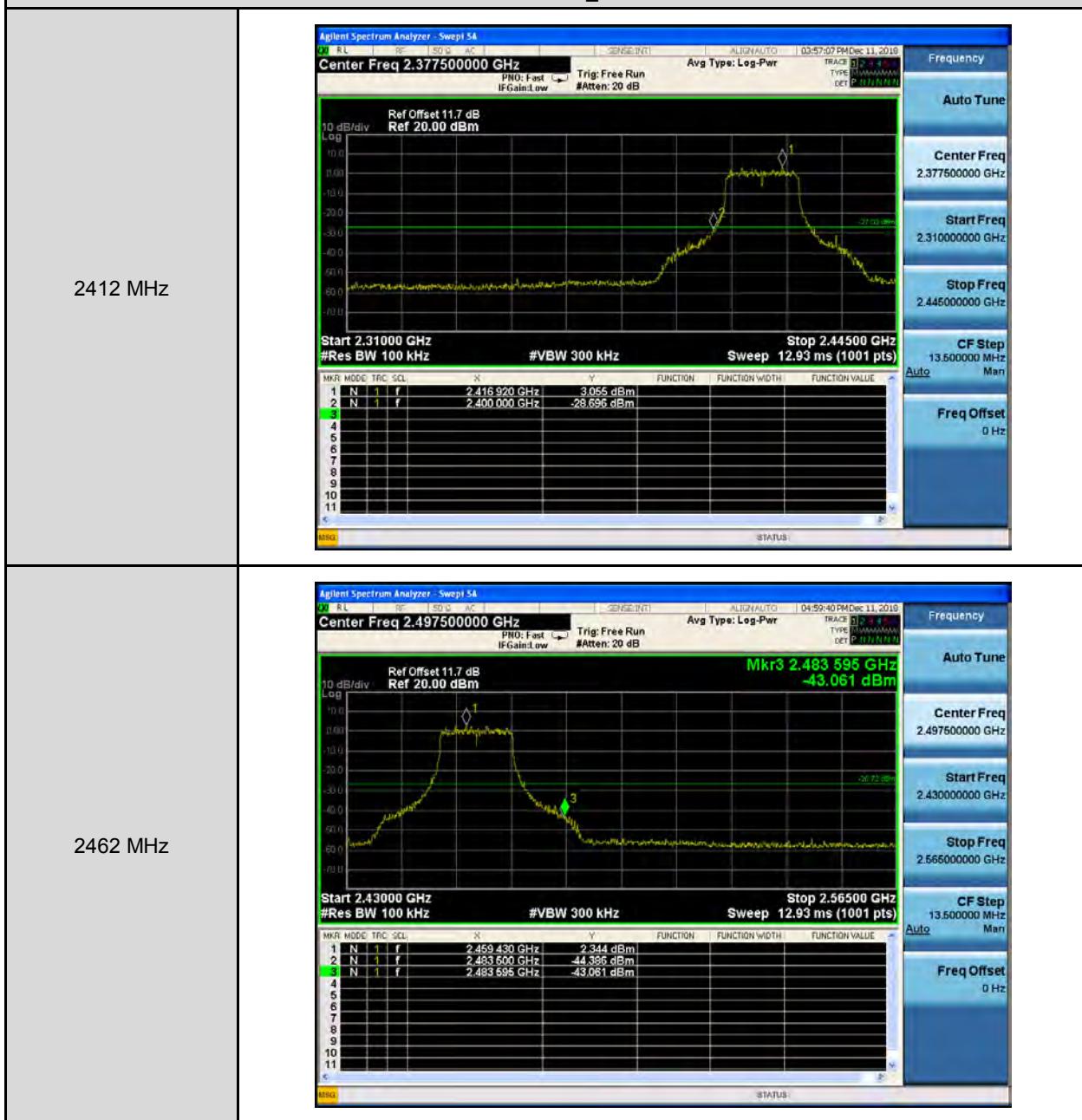
2462 MHz



Mode 3: IEEE 802.11g Continuous TX mode \_ANT-2



Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-2



Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-2

2422 MHz



2452 MHz



## Mode 2: IEEE 802.11b Continuous TX mode\_ANT-3

2412 MHz

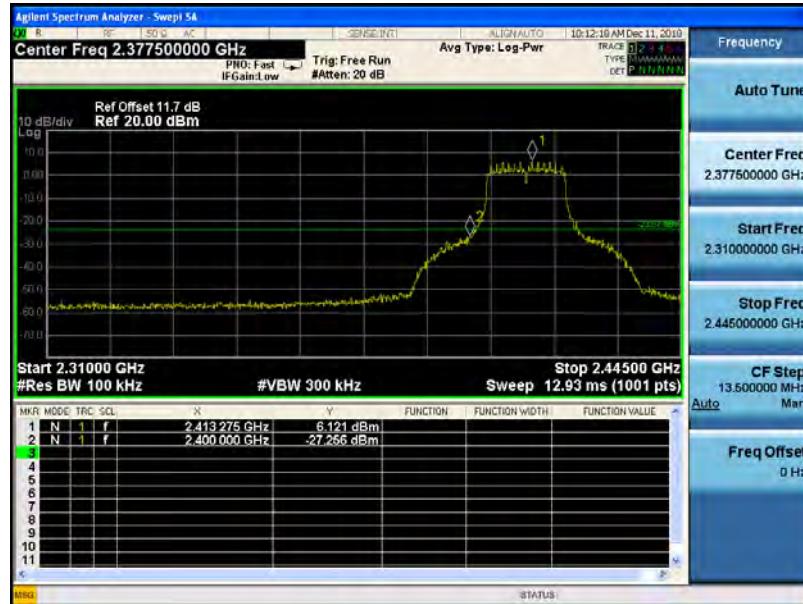


2462 MHz

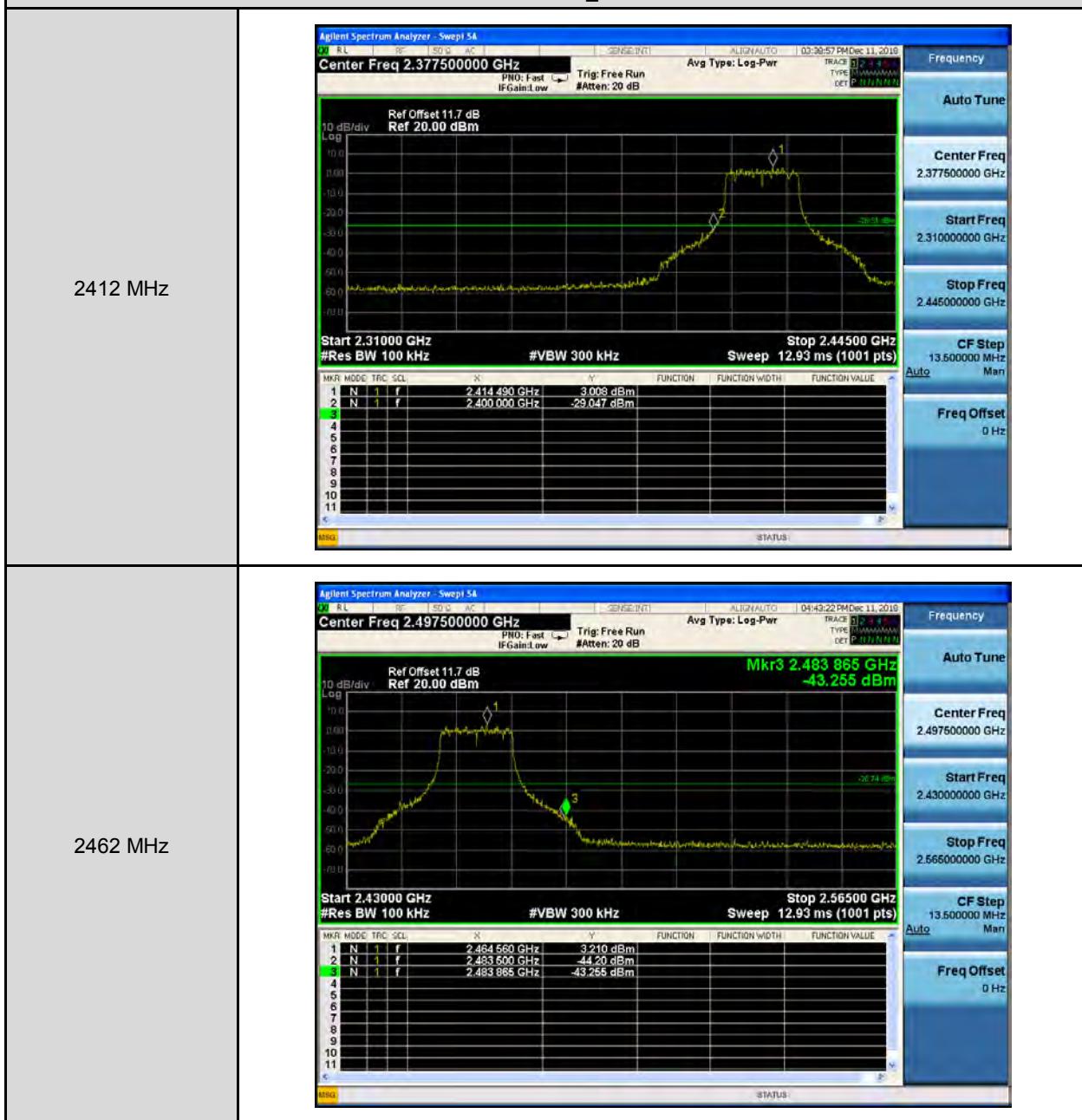


## Mode 3: IEEE 802.11g Continuous TX mode\_ANT-3

2412 MHz



Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-3



Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-3

2422 MHz



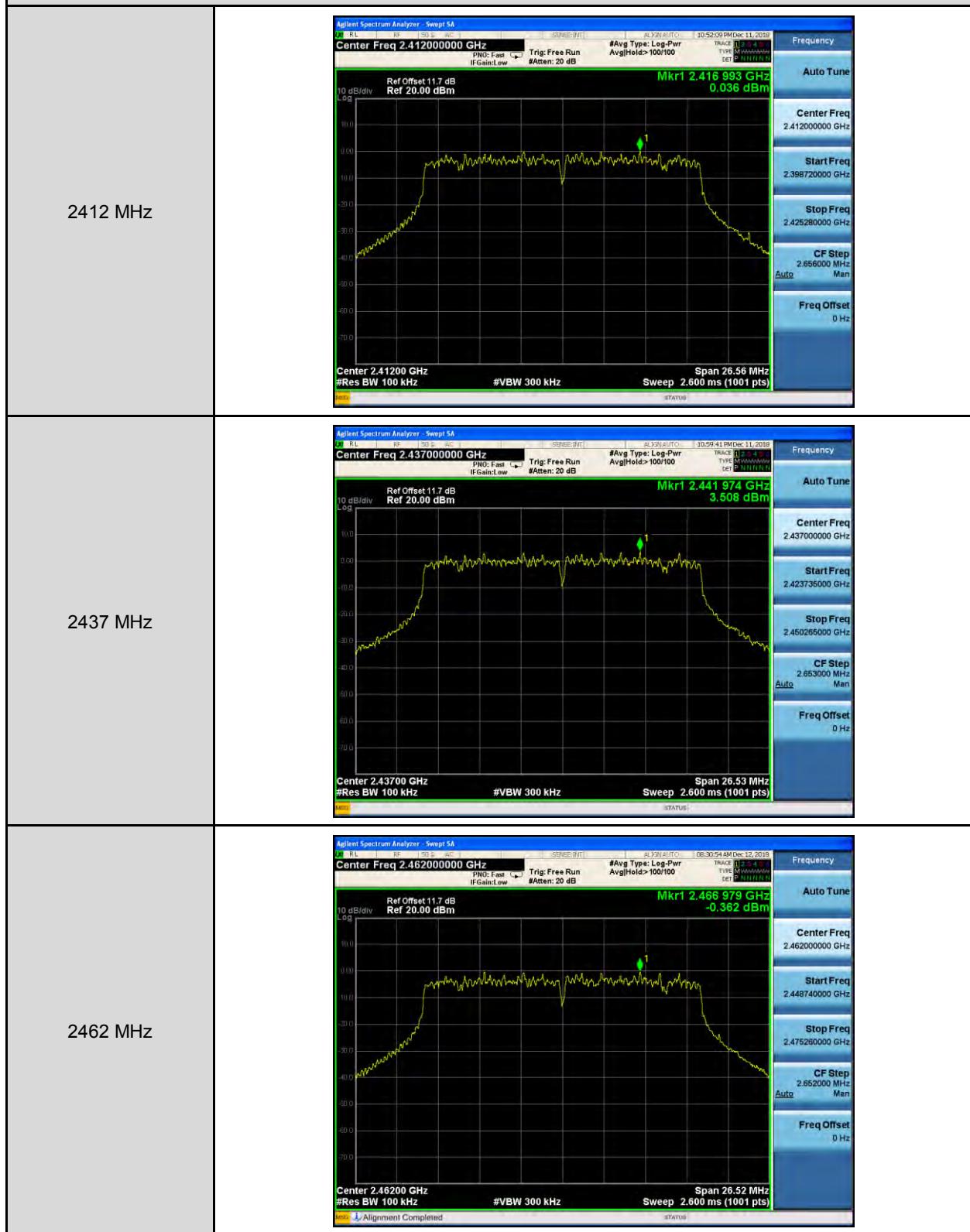
2452 MHz



Beamforming on

### Reference level

Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-0



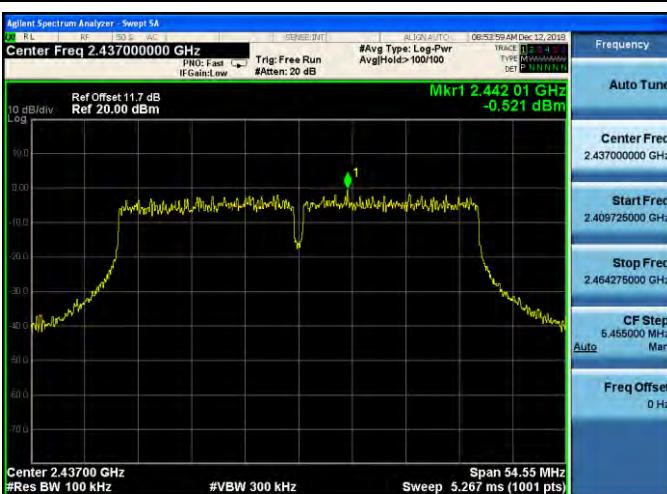
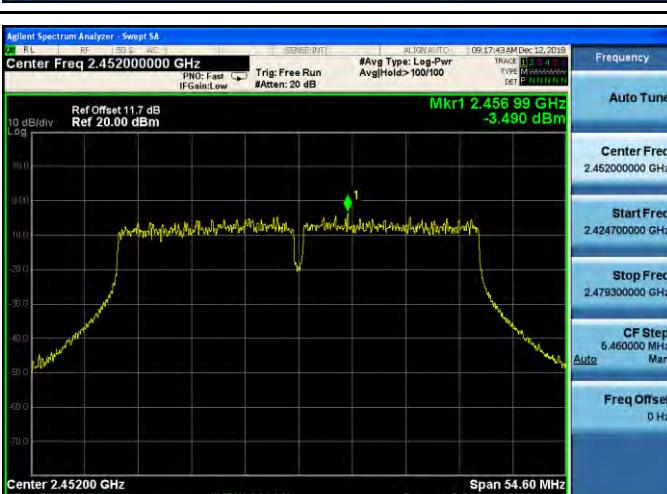
## Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-0



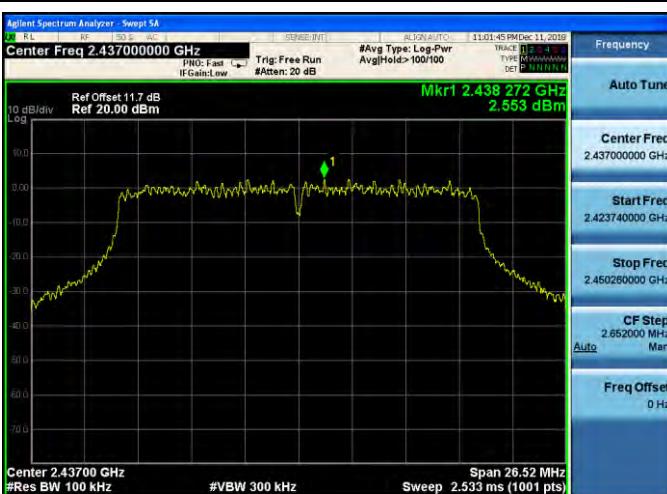
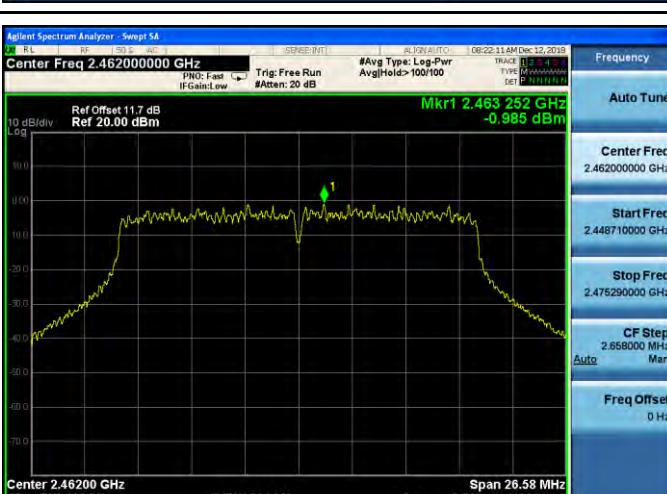
## Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-1



## Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode\_ANT-1

2422 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.422000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Mkr1 2.426 98 GHz -4.122 dBm</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.422000000 GHz</p> <p>Start Freq 2.394710000 GHz</p> <p>Stop Freq 2.449290000 GHz</p> <p>CF Step 5.458000 MHz Man</p> <p>Freq Offset 0 Hz</p>
2437 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Mkr1 2.442 01 GHz -0.521 dBm</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.409725000 GHz</p> <p>Stop Freq 2.464275000 GHz</p> <p>CF Step 5.455000 MHz Man</p> <p>Freq Offset 0 Hz</p>
2452 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.452000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Mkr1 2.456 99 GHz -3.490 dBm</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.452000000 GHz</p> <p>Start Freq 2.424700000 GHz</p> <p>Stop Freq 2.479300000 GHz</p> <p>CF Step 5.460000 MHz Man</p> <p>Freq Offset 0 Hz</p>

## Mode 4: IEEE 802.11n 2.4 GHz 20 MHz Continuous TX mode\_ANT-2

2412 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.412000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Mkr1 2.413 276 GHz -0.138 dBm</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.412000000 GHz</p> <p>Start Freq 2.398725000 GHz</p> <p>Stop Freq 2.425275000 GHz</p> <p>CF Step 2.655000 MHz Man</p> <p>Freq Offset 0 Hz</p>
2437 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Mkr1 2.438 272 GHz 2.553 dBm</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.423740000 GHz</p> <p>Stop Freq 2.450260000 GHz</p> <p>CF Step 2.652000 MHz Man</p> <p>Freq Offset 0 Hz</p>
2462 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.462000000 GHz</p> <p>Ref Offset 11.7 dB Ref 20.00 dBm</p> <p>Mkr1 2.463 252 GHz -0.985 dBm</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.462000000 GHz</p> <p>Start Freq 2.448710000 GHz</p> <p>Stop Freq 2.475290000 GHz</p> <p>CF Step 2.658000 MHz Man</p> <p>Freq Offset 0 Hz</p>

Mode 5: IEEE 802.11n 2.4 GHz 40 MHz Continuous TX mode \_ANT-2

2422 MHz	<p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.422000000 GHz</p> <p>Ref Offset 11.7 dB</p> <p>Ref 20.00 dBm</p> <p>Mkr1 2.41951 GHz -3.982 dBm</p> <p>10 dB/div Log</p> <p>10.0</p> <p>-10.0</p> <p>-20.0</p> <p>-30.0</p> <p>-40.0</p> <p>-50.0</p> <p>-60.0</p> <p>-70.0</p> <p>10.0</p> <p>-10.0</p> <p>-20.0</p> <p>-30.0</p> <p>-40.0</p> <p>-50.0</p> <p>-60.0</p> <p>-70.0</p> <p>Center 2.42200 GHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Sweep 5.200 ms (1001 pts)</p> <p>08:47:54 AM Dec 12, 2019</p> <p>RF SENSE INTRI ALIGN AUTO</p> <p>PING: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB #Avg Type: Log-Pwr Avg/Hold: 100/100</p> <p>TYPE MMWAVE DET PINGING</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.422000000 GHz</p> <p>Start Freq 2.394850000 GHz</p> <p>Stop Freq 2.449150000 GHz</p> <p>CF Step 6.430000 MHz Man</p> <p>Freq Offset 0 Hz</p> <p>STATUS</p>
2437 MHz	<p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 11.7 dB</p> <p>Ref 20.00 dBm</p> <p>Mkr1 2.42700 GHz -0.877 dBm</p> <p>10 dB/div Log</p> <p>10.0</p> <p>-10.0</p> <p>-20.0</p> <p>-30.0</p> <p>-40.0</p> <p>-50.0</p> <p>-60.0</p> <p>-70.0</p> <p>10.0</p> <p>-10.0</p> <p>-20.0</p> <p>-30.0</p> <p>-40.0</p> <p>-50.0</p> <p>-60.0</p> <p>-70.0</p> <p>Center 2.43700 GHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Sweep 5.267 ms (1001 pts)</p> <p>08:57:38 AM Dec 12, 2019</p> <p>RF SENSE INTRI ALIGN AUTO</p> <p>PING: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB #Avg Type: Log-Pwr Avg/Hold: 100/100</p> <p>TYPE MMWAVE DET PINGING</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.409670000 GHz</p> <p>Stop Freq 2.464330000 GHz</p> <p>CF Step 6.466000 MHz Man</p> <p>Freq Offset 0 Hz</p> <p>STATUS</p>
2452 MHz	<p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.452000000 GHz</p> <p>Ref Offset 11.7 dB</p> <p>Ref 20.00 dBm</p> <p>Mkr1 2.44189 GHz -3.727 dBm</p> <p>10 dB/div Log</p> <p>10.0</p> <p>-10.0</p> <p>-20.0</p> <p>-30.0</p> <p>-40.0</p> <p>-50.0</p> <p>-60.0</p> <p>-70.0</p> <p>10.0</p> <p>-10.0</p> <p>-20.0</p> <p>-30.0</p> <p>-40.0</p> <p>-50.0</p> <p>-60.0</p> <p>-70.0</p> <p>Center 2.45200 GHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Sweep 5.200 ms (1001 pts)</p> <p>09:14:44 AM Dec 12, 2019</p> <p>RF SENSE INTRI ALIGN AUTO</p> <p>PING: Fast IF Gain: Low Trig: Free Run #Atten: 20 dB #Avg Type: Log-Pwr Avg/Hold: 100/100</p> <p>TYPE MMWAVE DET PINGING</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.452000000 GHz</p> <p>Start Freq 2.424860000 GHz</p> <p>Stop Freq 2.479140000 GHz</p> <p>CF Step 6.428000 MHz Man</p> <p>Freq Offset 0 Hz</p> <p>STATUS</p>