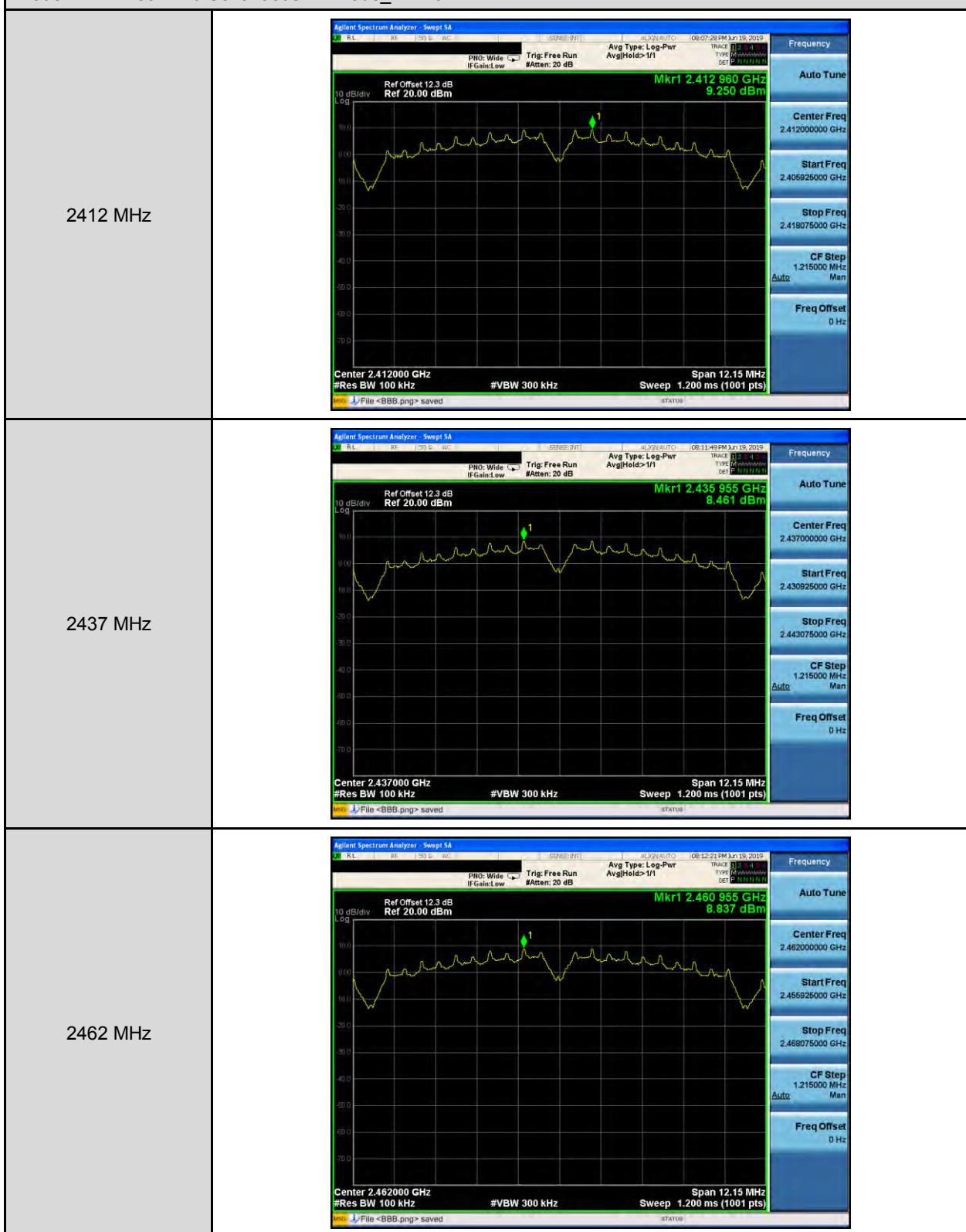


Out of Band Conducted Emissions Measurement

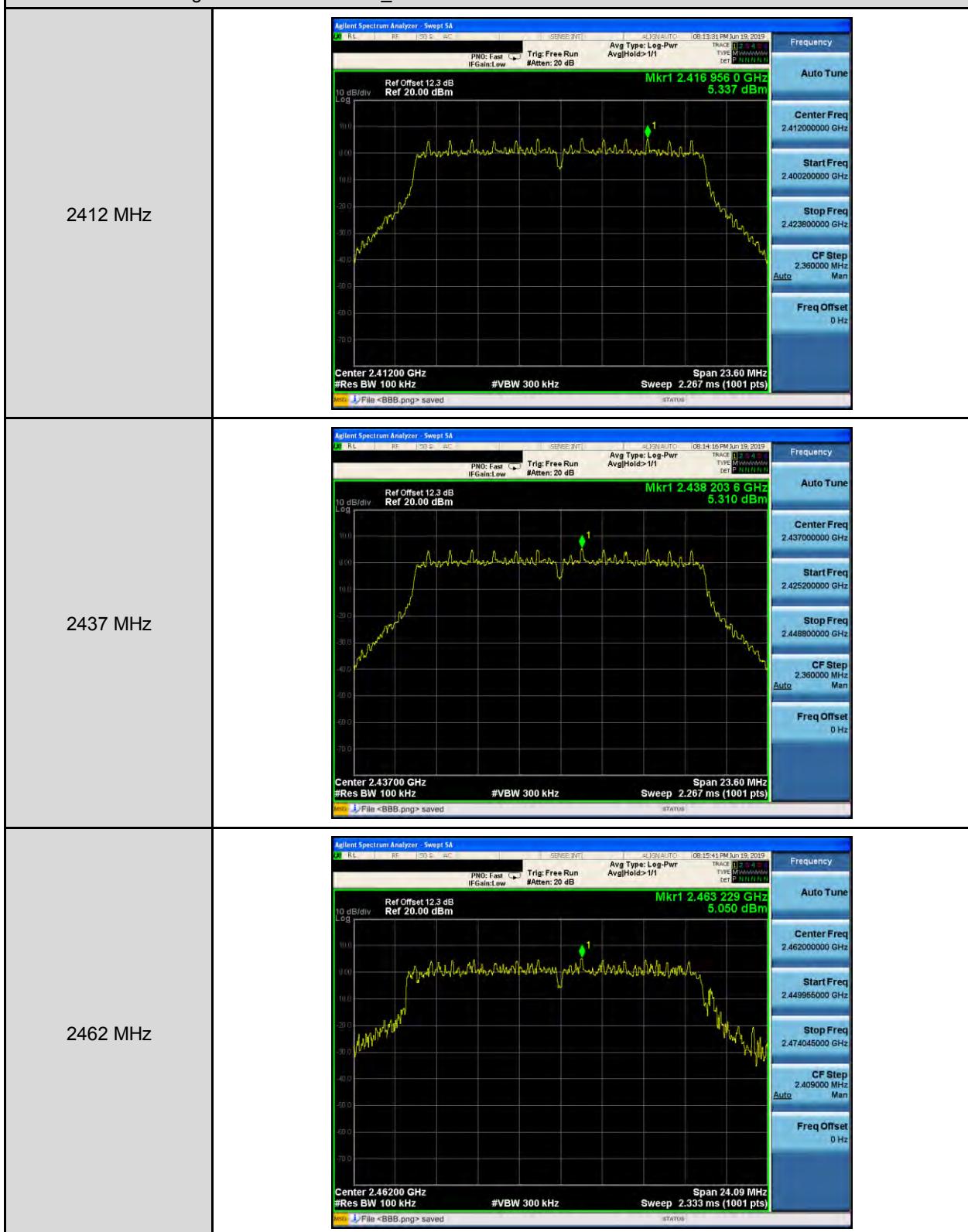
■ Test Graphs

Reference level

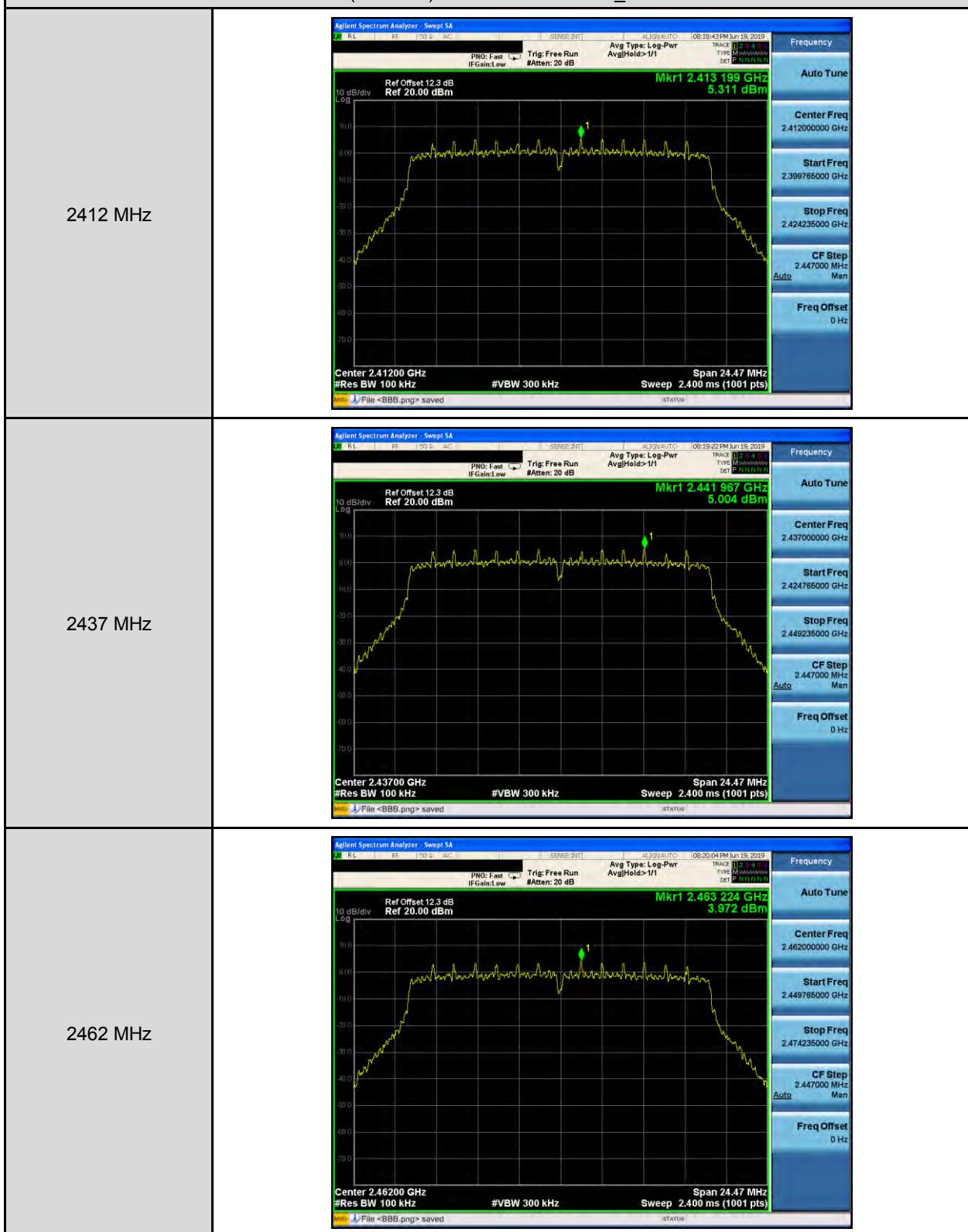
Mode 2: IEEE 802.11b Continuous TX mode_ANT-0



Mode 3: IEEE 802.11g Continuous TX mode_ANT-0



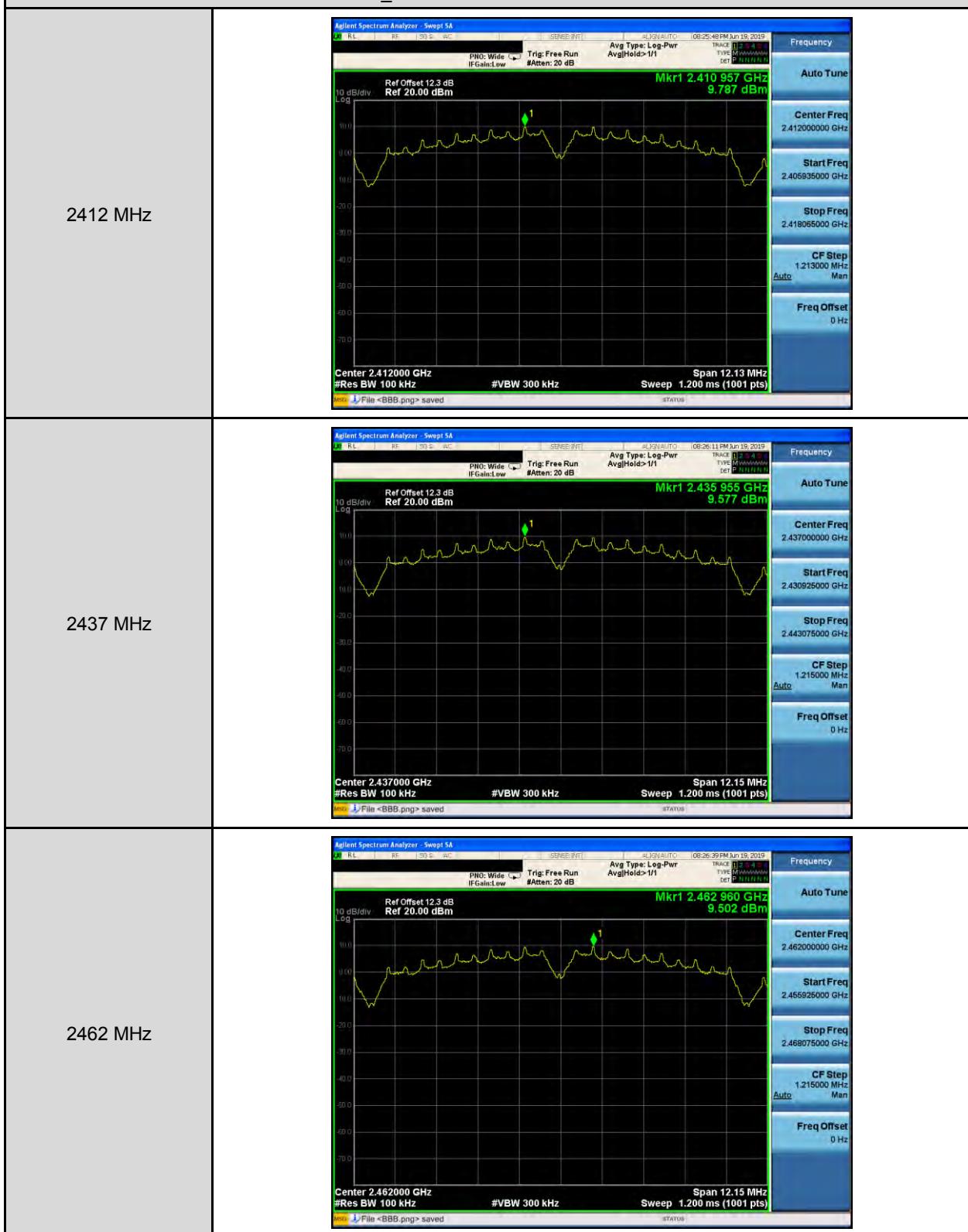
Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode _ANT-0



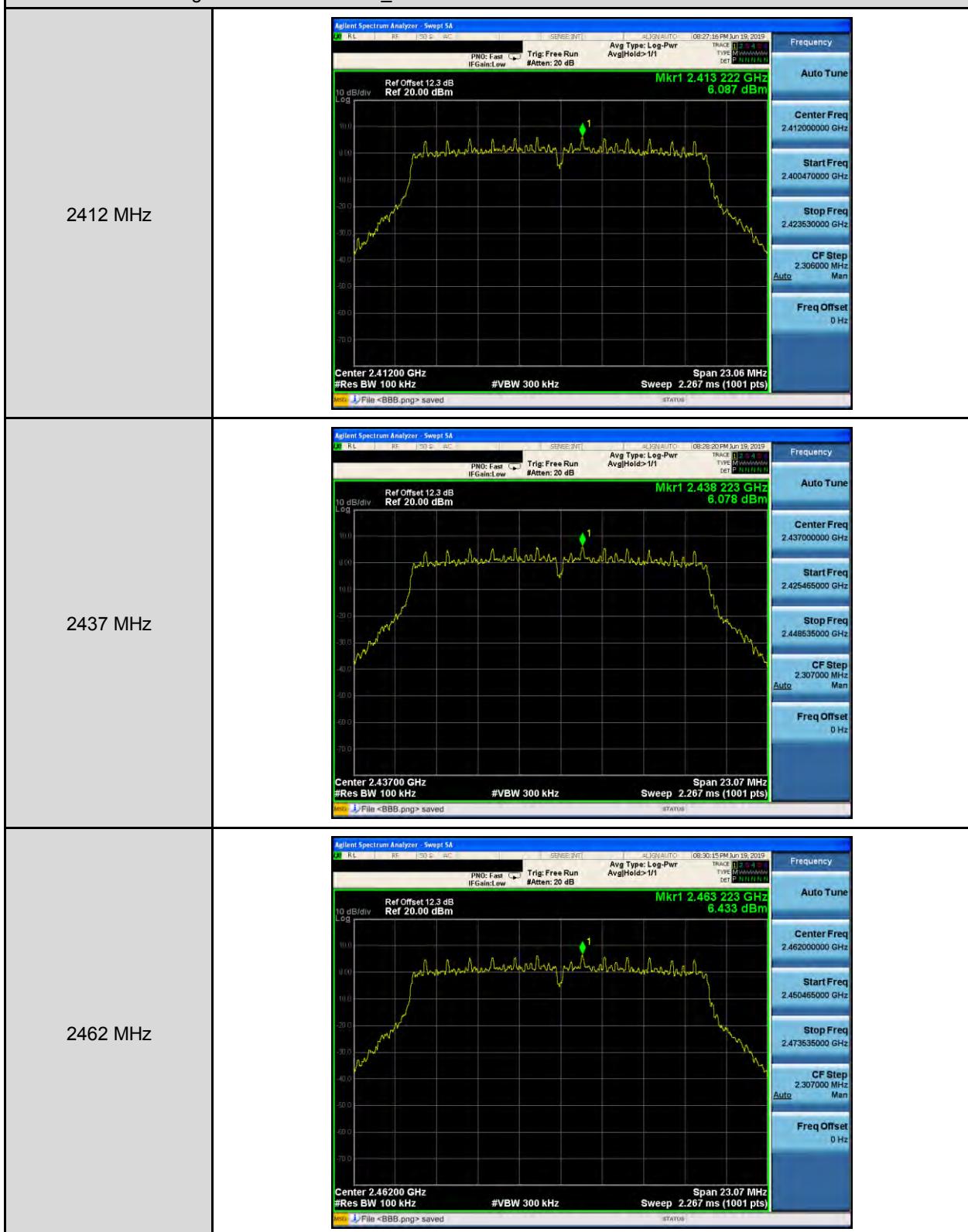
Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode _ANT-0



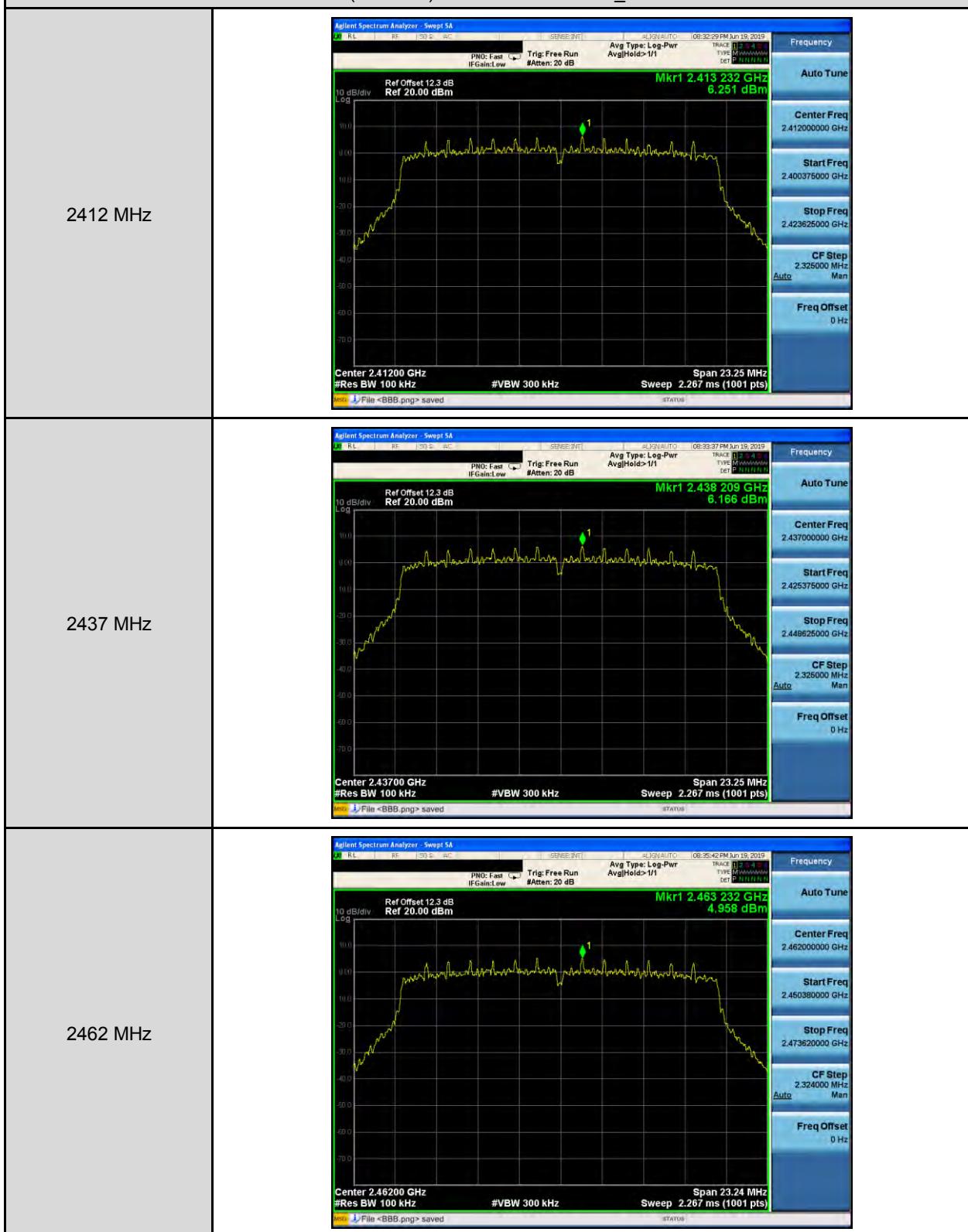
Mode 2: IEEE 802.11b Continuous TX mode_ANT-1



Mode 3: IEEE 802.11g Continuous TX mode_ANT-1



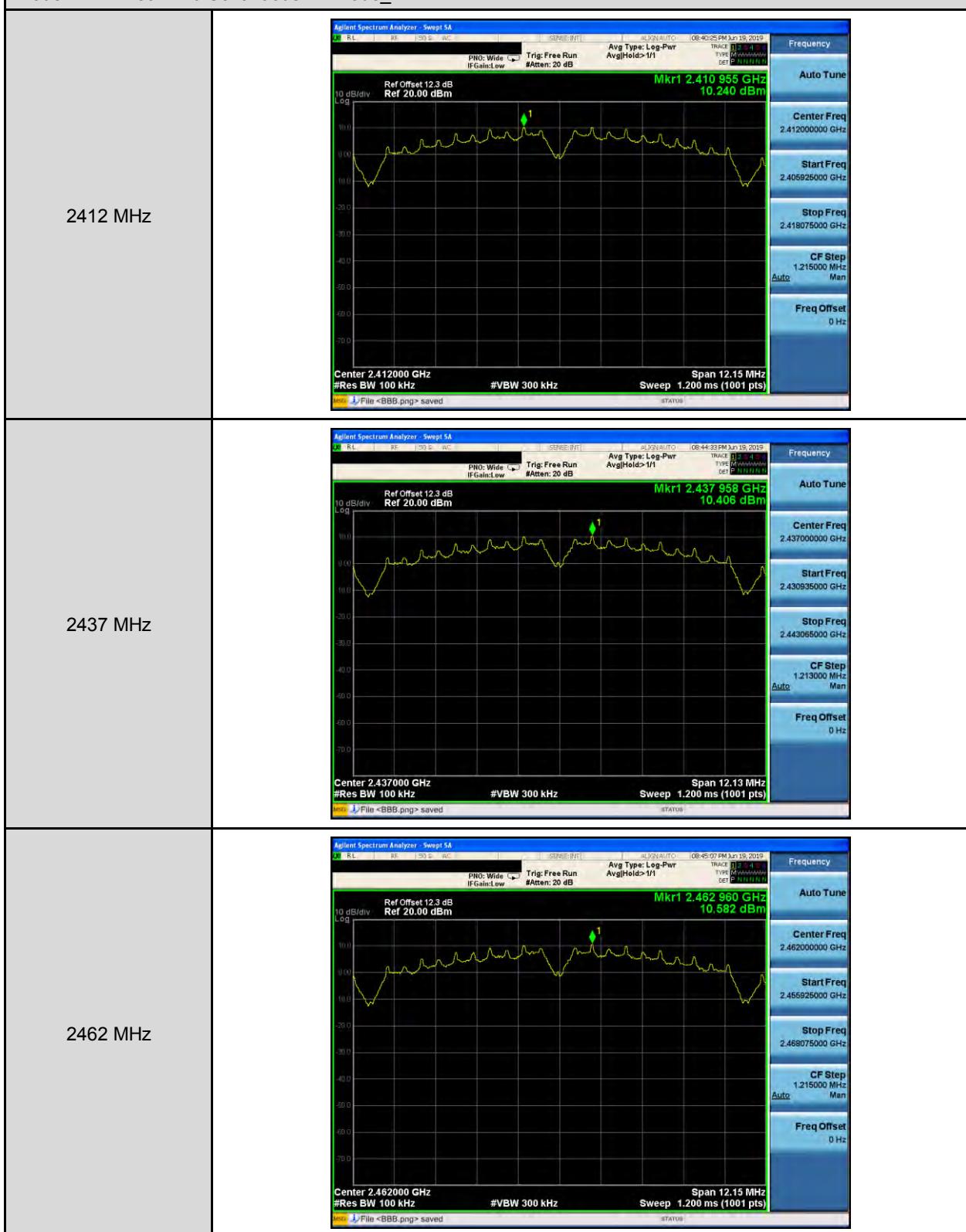
Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode _ANT-1



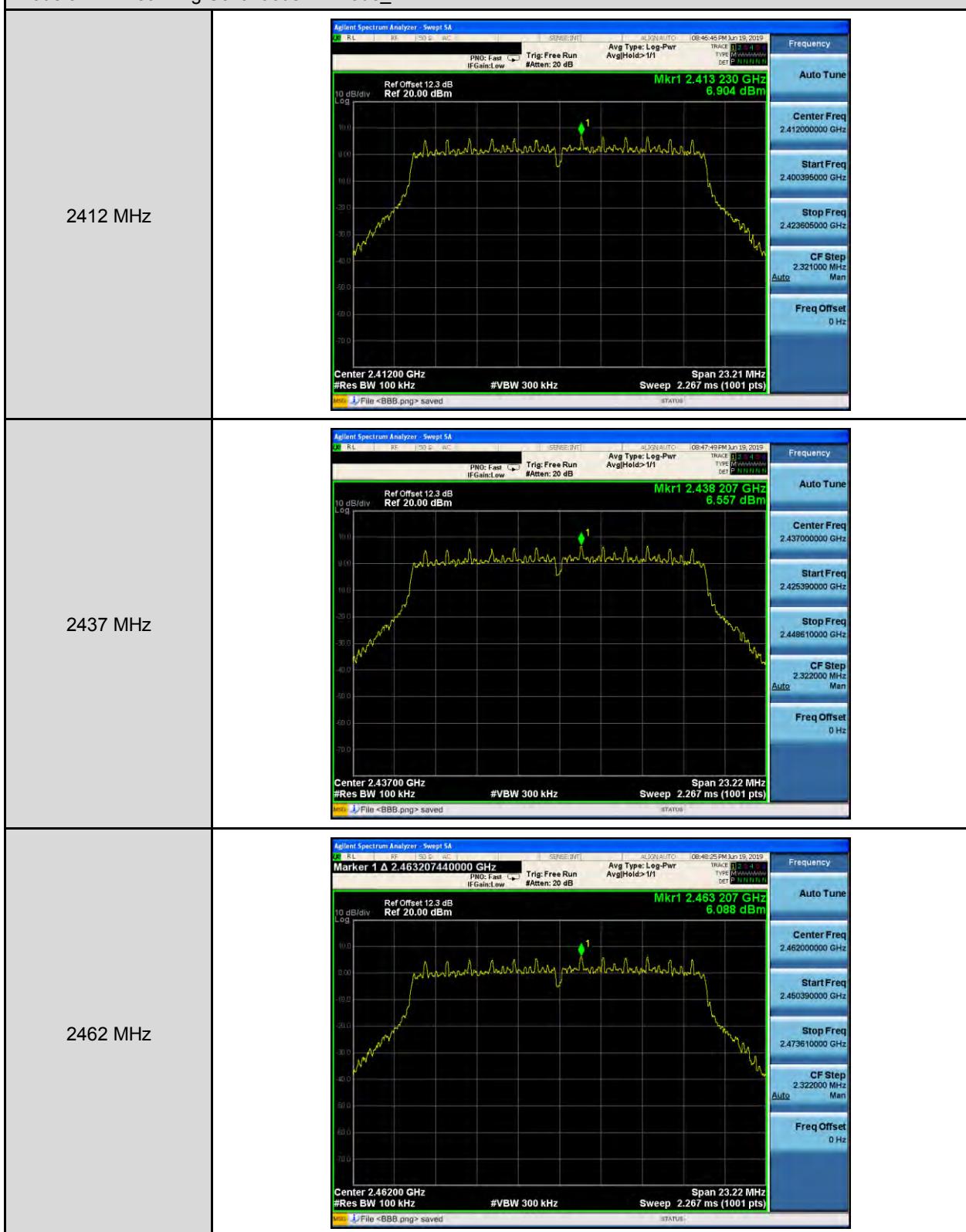
Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode _ANT-1

2422 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.426 96 GHz 1.354 dBm</p> <p>Center 2.42200 GHz #Res BW 100 kHz #VBW 300 kHz Span 52.73 MHz Sweep 5.067 ms (1001 pts)</p> <p>File <BBB.png> saved</p>
2437 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.431 94 GHz 3.804 dBm</p> <p>Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Span 52.73 MHz Sweep 5.067 ms (1001 pts)</p> <p>File <BBB.png> saved</p>
2452 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.456 96 GHz 0.892 dBm</p> <p>Center 2.45200 GHz #Res BW 100 kHz #VBW 300 kHz Span 52.73 MHz Sweep 5.067 ms (1001 pts)</p> <p>File <BBB.png> saved</p>

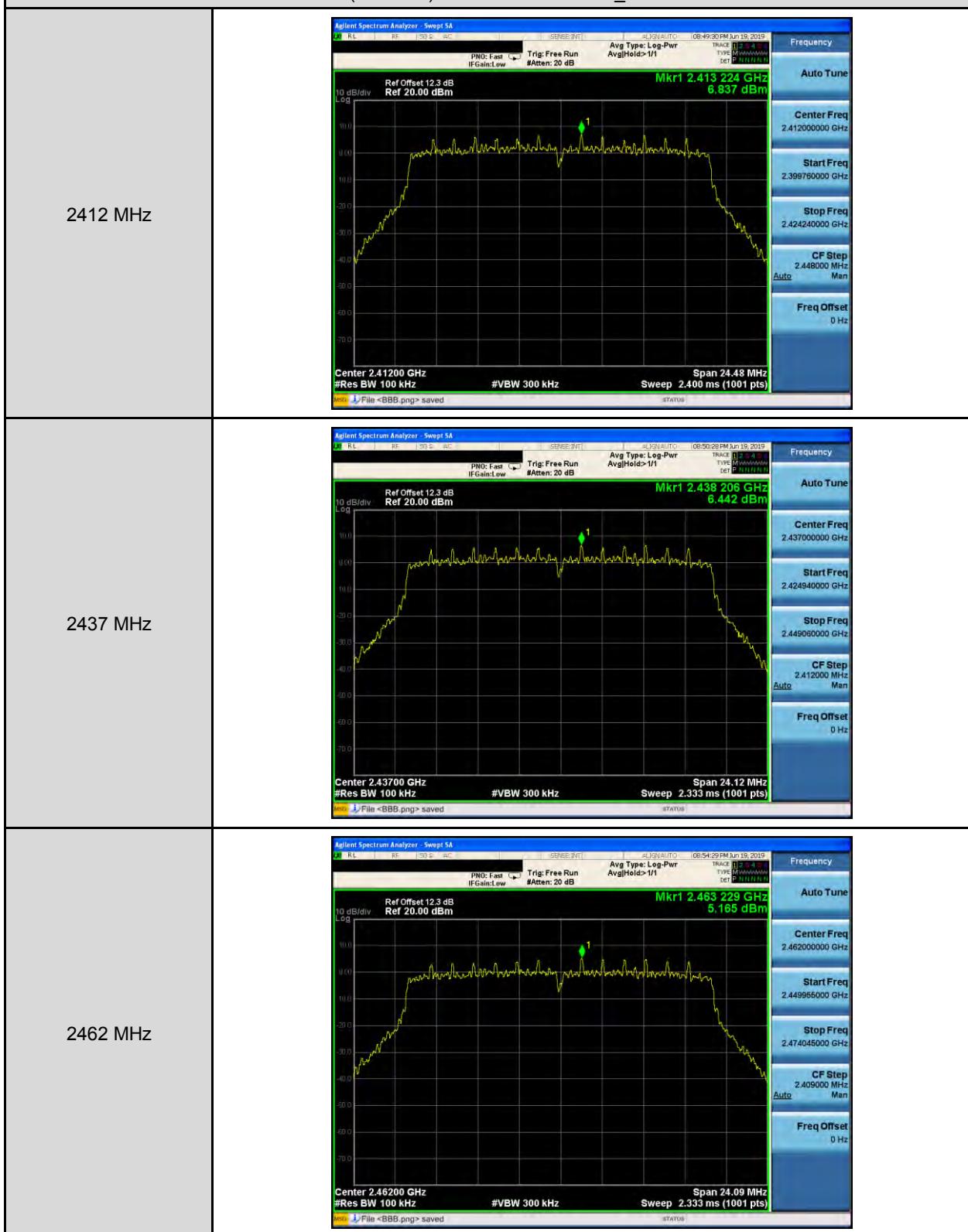
Mode 2: IEEE 802.11b Continuous TX mode_ANT-2



Mode 3: IEEE 802.11g Continuous TX mode_ANT-2



Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode _ANT-2



Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode _ANT-2



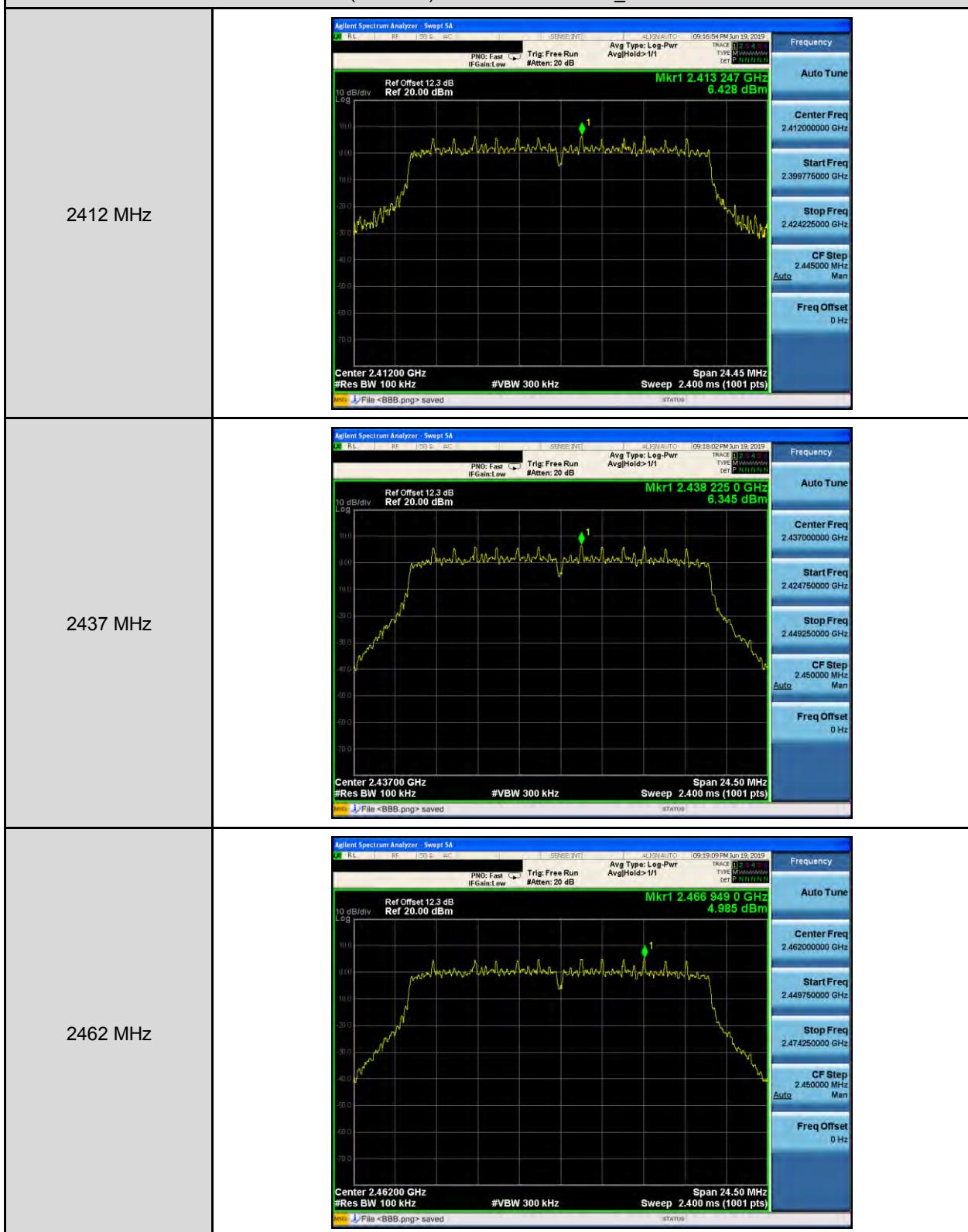
Mode 2: IEEE 802.11b Continuous TX mode_ANT-3

2412 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.410 958 GHz 10.057 dBm</p> <p>Center 2.412000 GHz #Res BW 100 kHz #VBW 300 kHz Span 12.14 MHz Sweep 1.200 ms (1001 pts)</p> <p>File <BBB.png> saved</p>
2437 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.437 959 GHz 9.928 dBm</p> <p>Center 2.437000 GHz #Res BW 100 kHz #VBW 300 kHz Span 12.14 MHz Sweep 1.200 ms (1001 pts)</p> <p>File <BBB.png> saved</p>
2462 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.462 960 GHz 10.350 dBm</p> <p>Center 2.462000 GHz #Res BW 100 kHz #VBW 300 kHz Span 12.15 MHz Sweep 1.200 ms (1001 pts)</p> <p>File <BBB.png> saved</p>

Mode 3: IEEE 802.11g Continuous TX mode_ANT-3



Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode _ANT-3

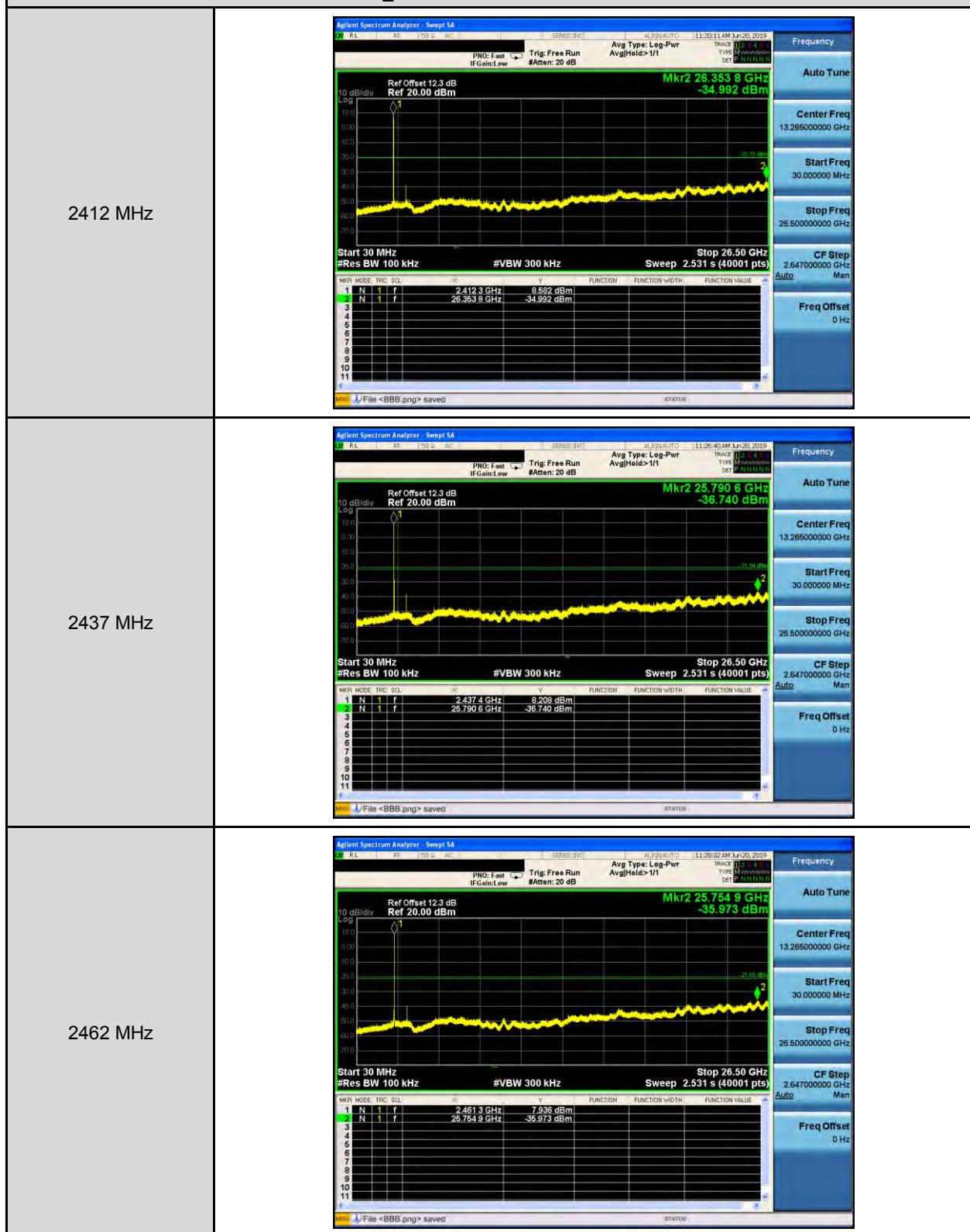


Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode _ANT-3

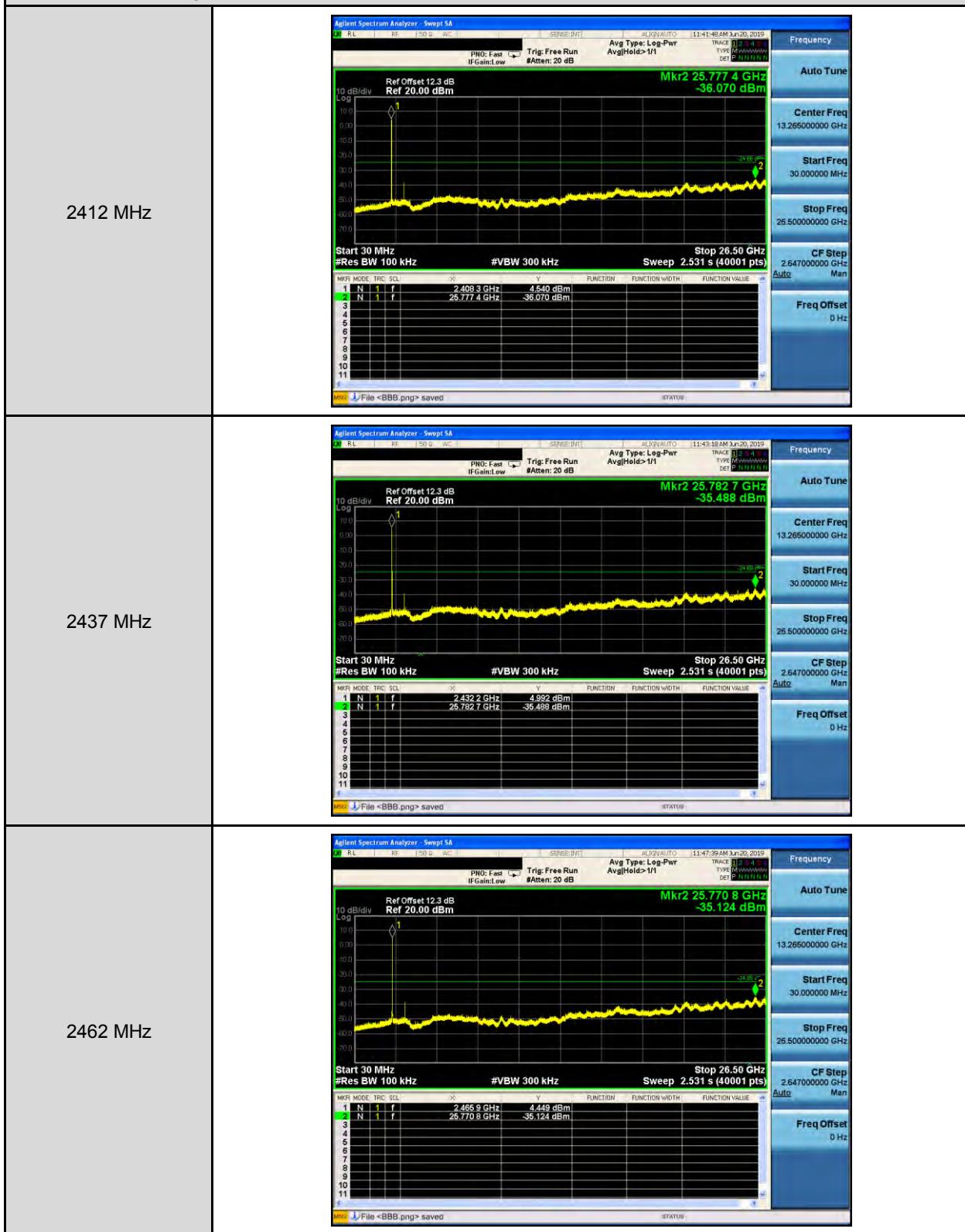
2422 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Center 2.42200 GHz #Res BW 100 kHz #VBW 300 kHz Span 52.70 MHz Sweep 5.067 ms (1001 pts)</p> <p>Mkr1 2.416 840 8 GHz 1.938 dBm</p> <p>File <BBB.png> saved</p>
2437 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Span 52.70 MHz Sweep 5.067 ms (1001 pts)</p> <p>Mkr1 2.431 840 8 GHz 4.341 dBm</p> <p>File <BBB.png> saved</p>
2452 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Center 2.45200 GHz #Res BW 100 kHz #VBW 300 kHz Span 52.70 MHz Sweep 5.067 ms (1001 pts)</p> <p>Mkr1 2.446 993 5 GHz 1.264 dBm</p> <p>File <BBB.png> saved</p>

Out of Band Conducted Emissions

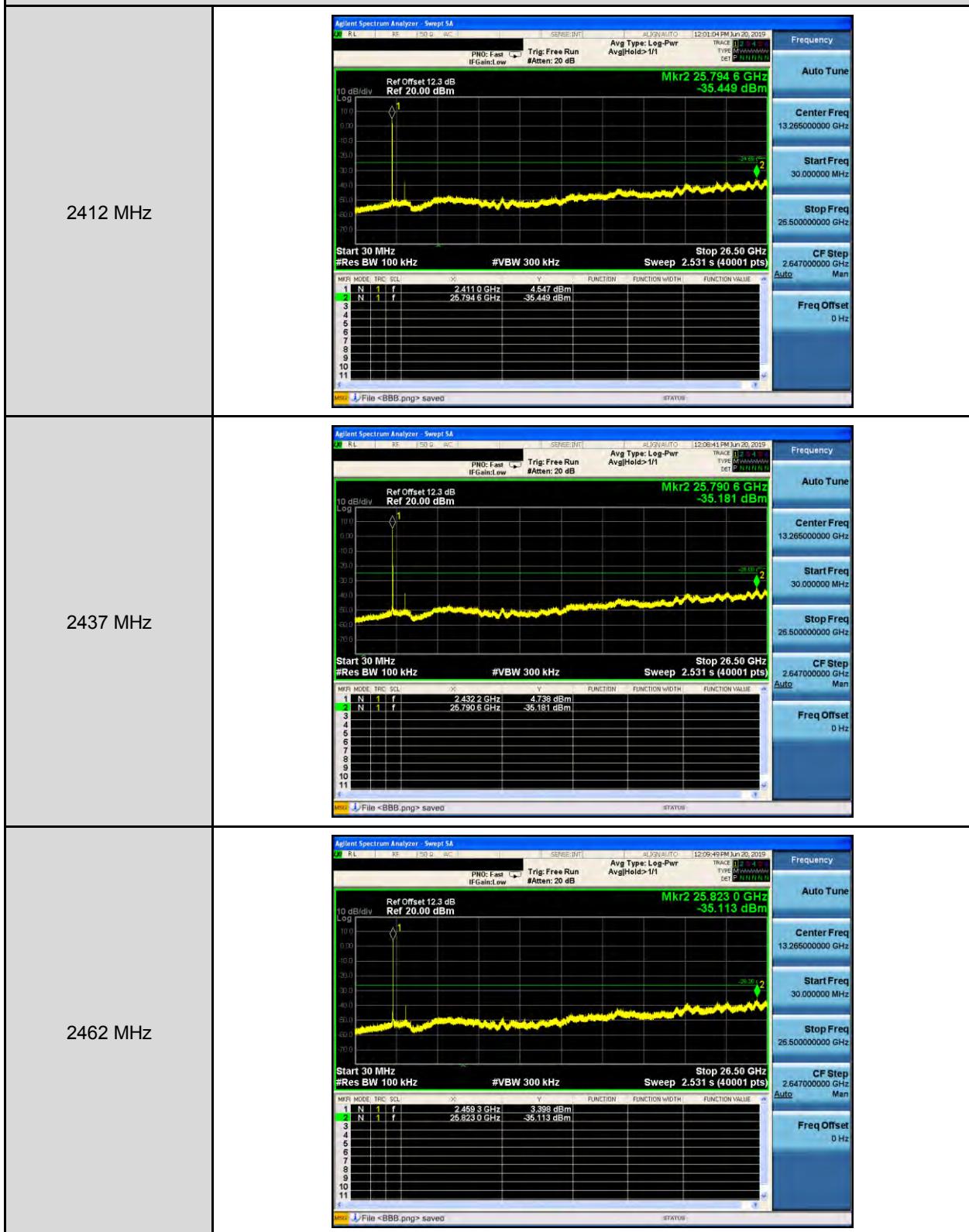
Mode 2: IEEE 802.11b Continuous TX mode_ANT-0



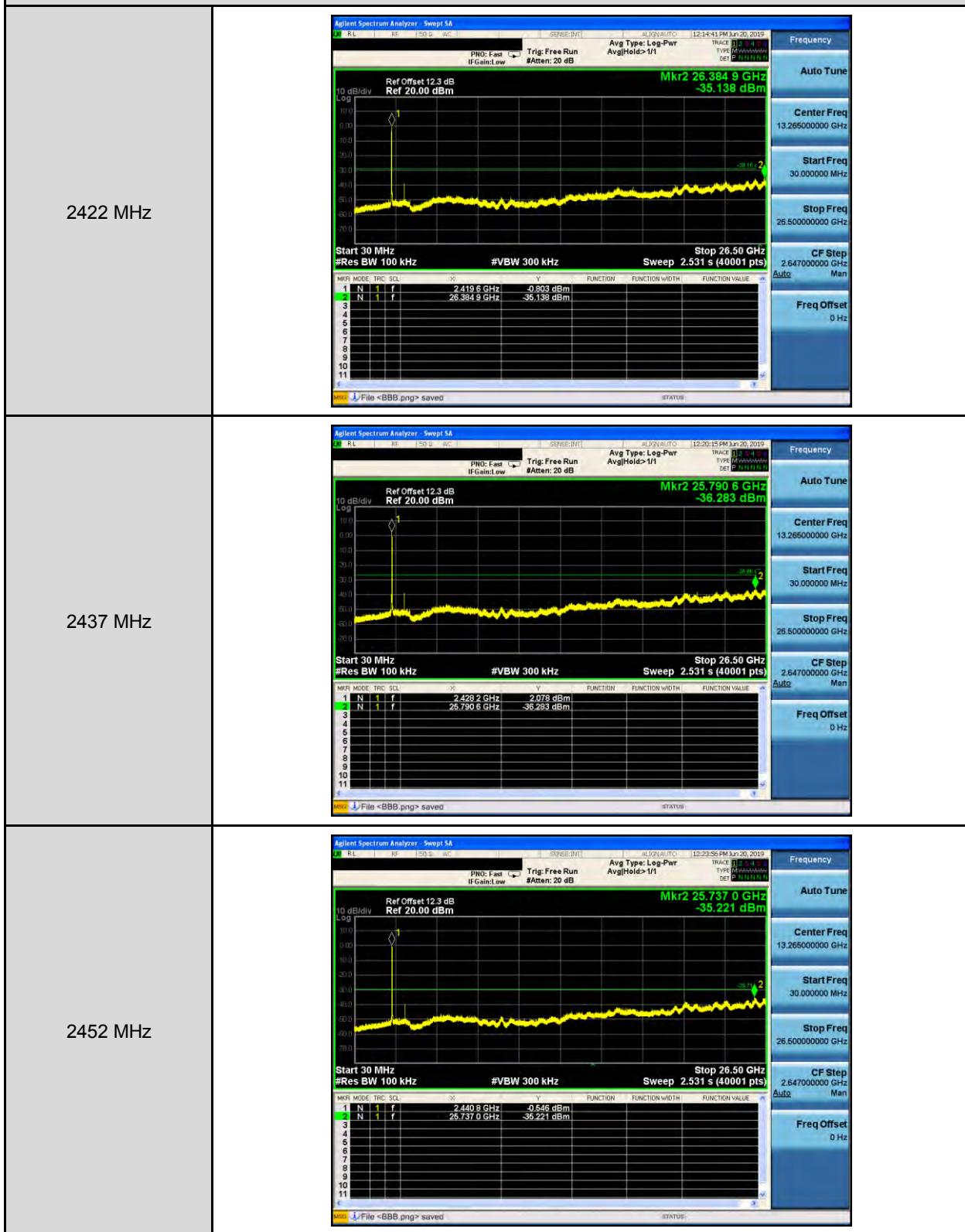
Mode 3: IEEE 802.11g Continuous TX mode_ANT-0



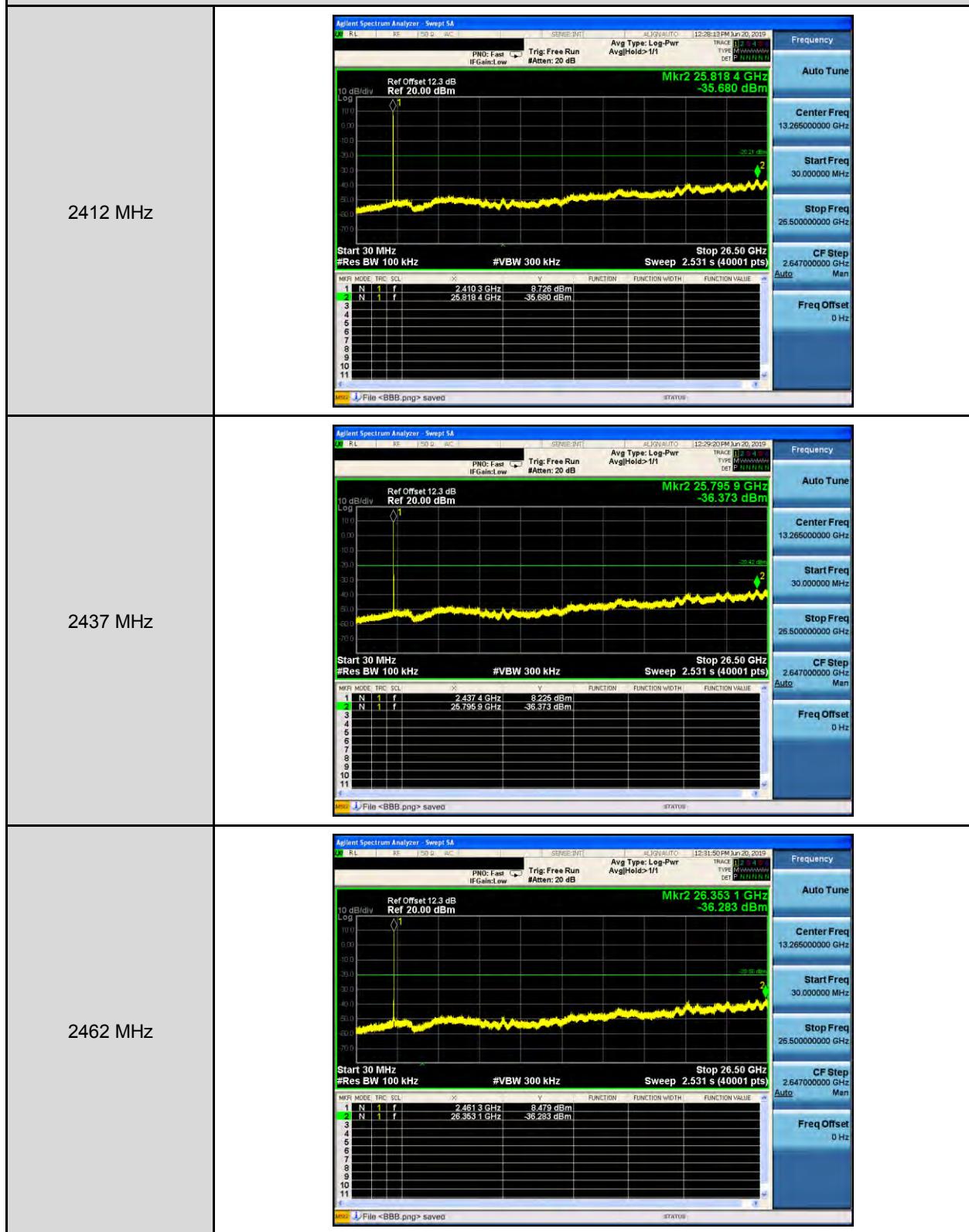
Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode_ANT-0



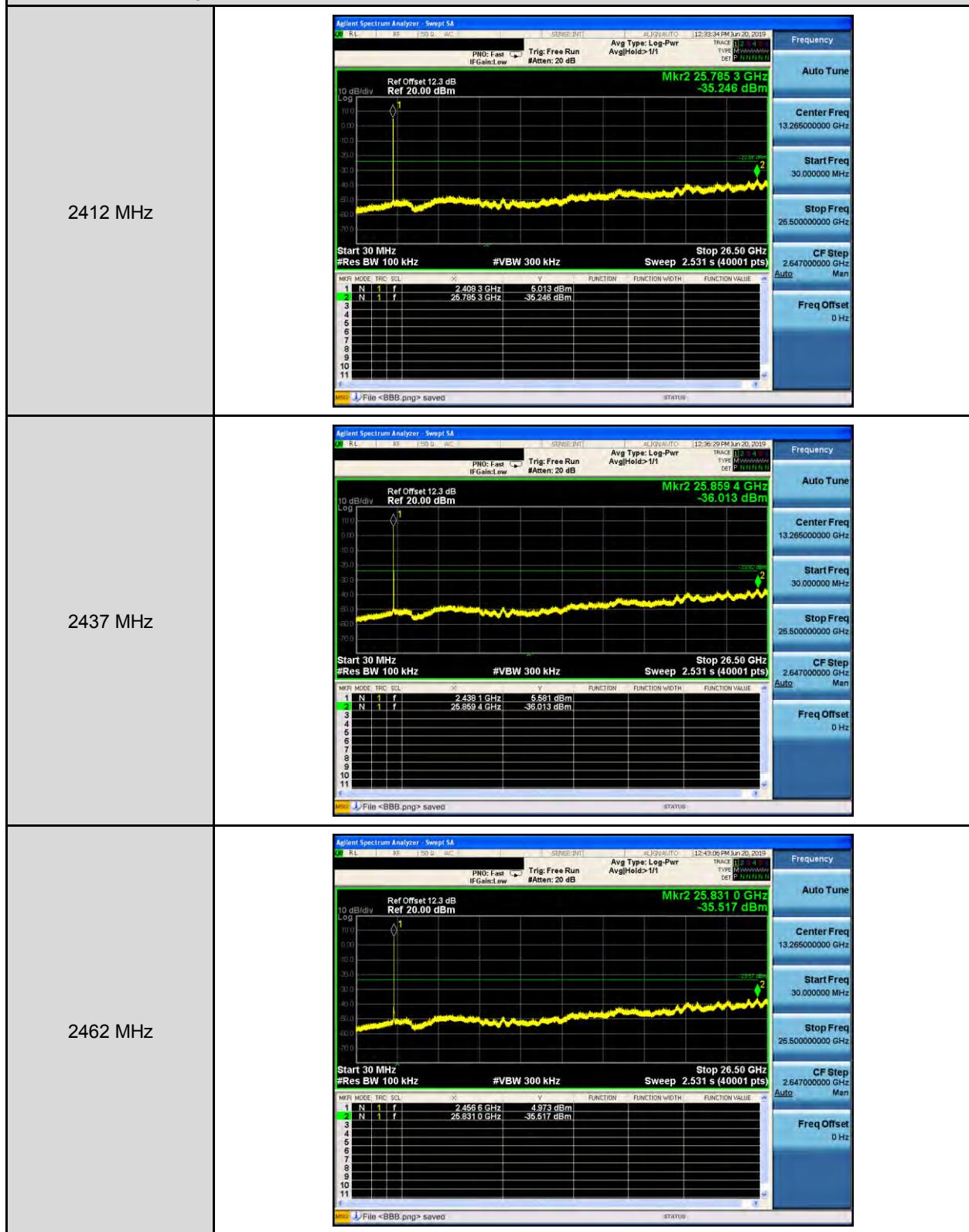
Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode_ANT-0



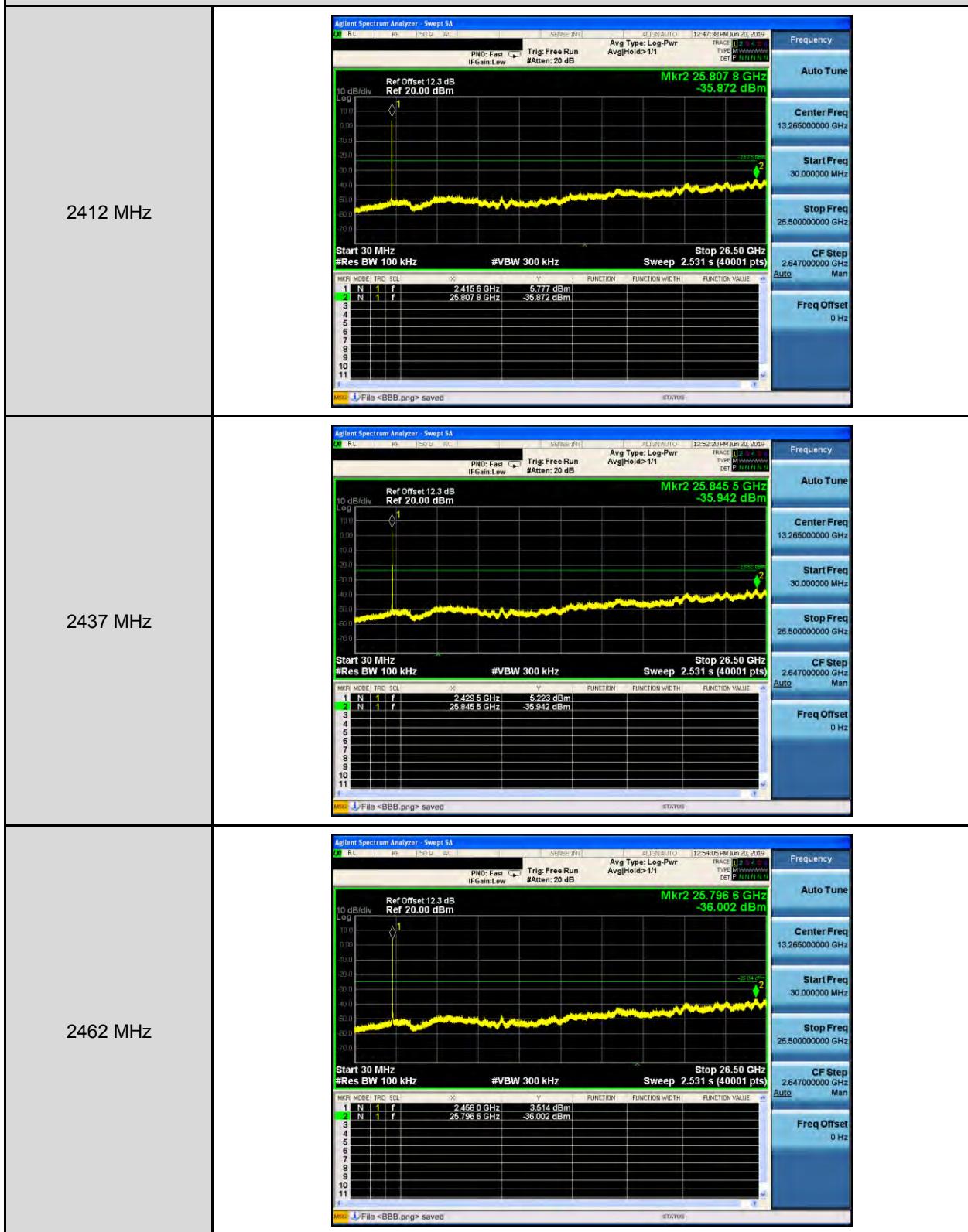
Mode 2: IEEE 802.11b Continuous TX mode_ANT-1



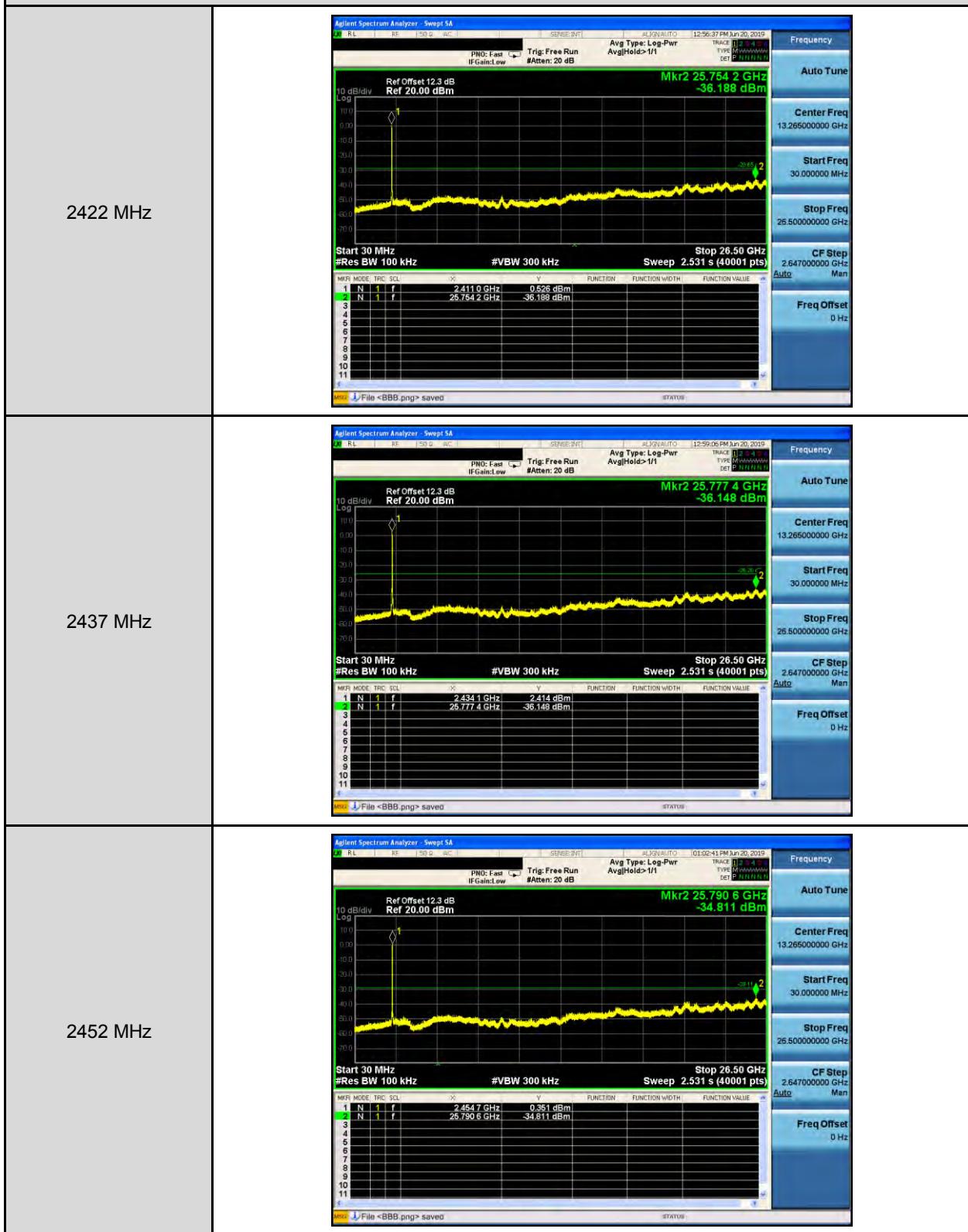
Mode 3: IEEE 802.11g Continuous TX mode_ANT-1



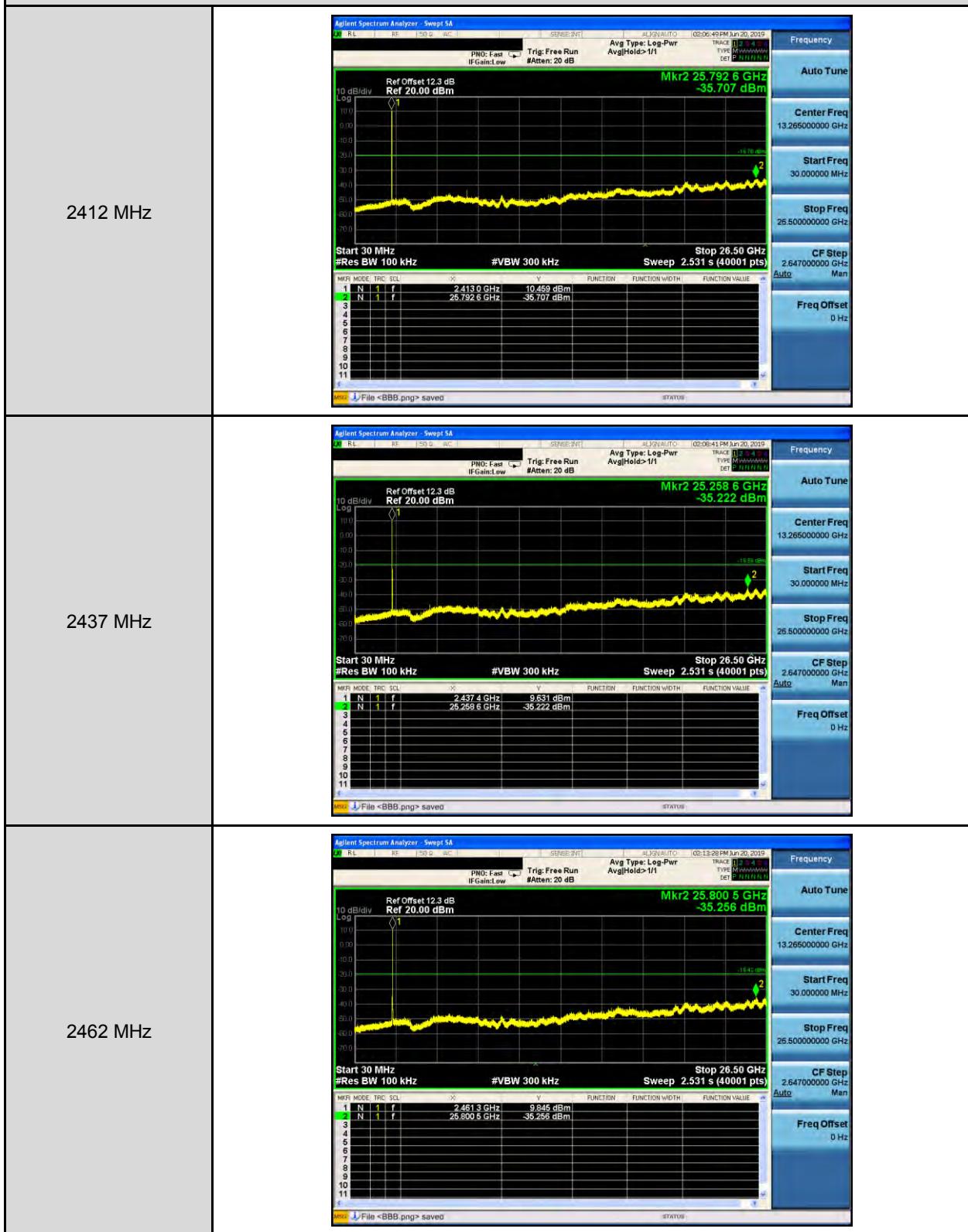
Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode_ANT-1



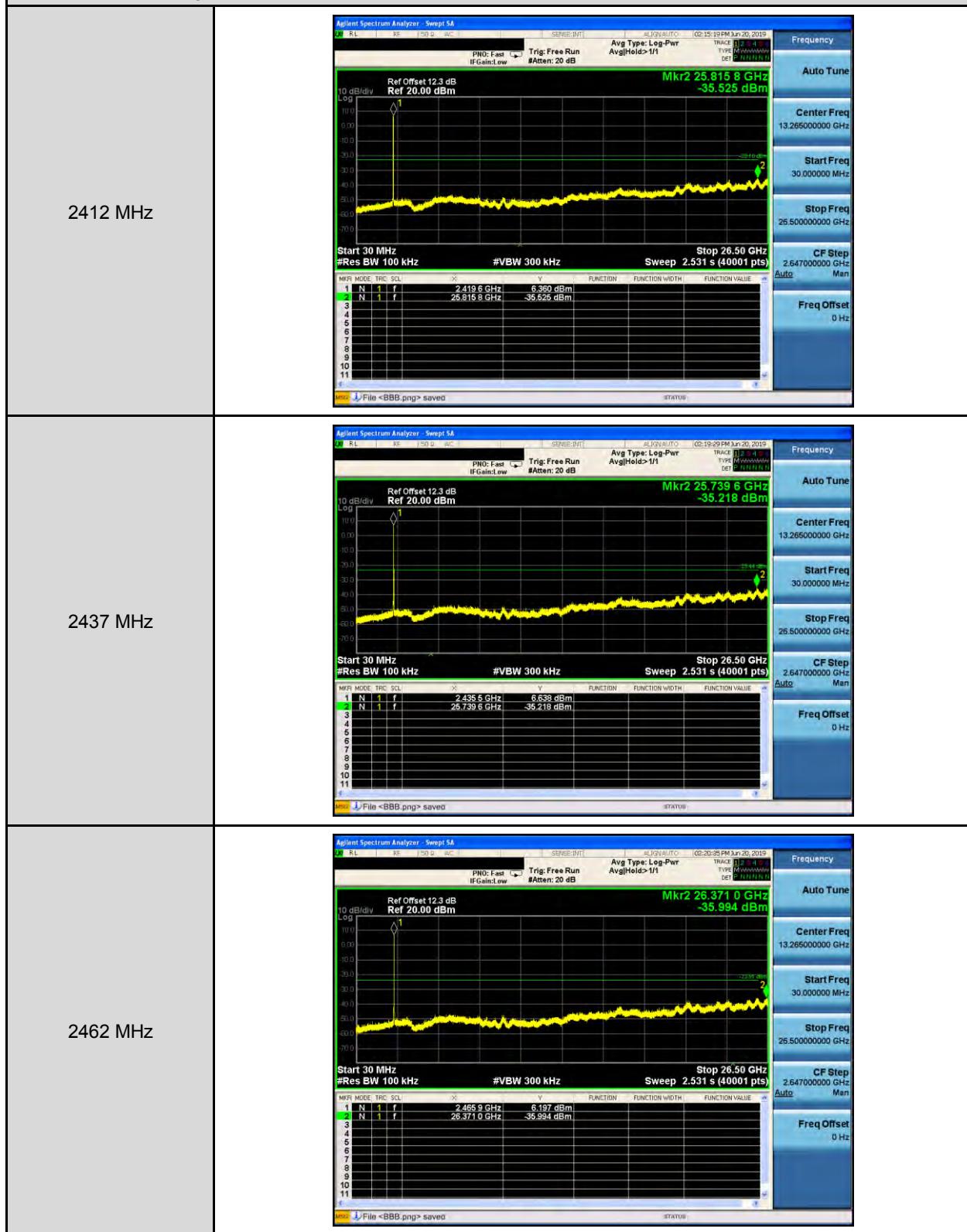
Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode_ANT-1



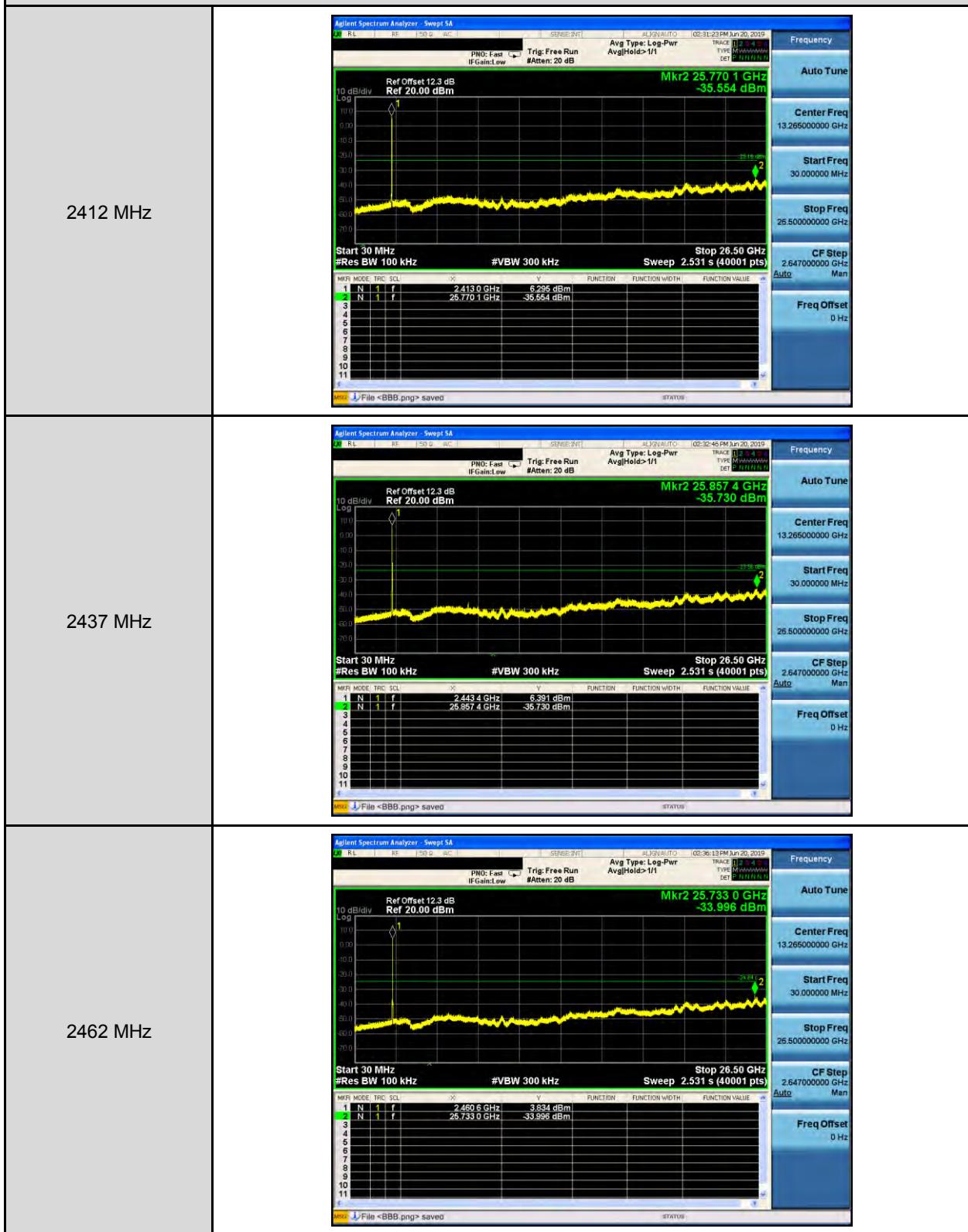
Mode 2: IEEE 802.11b Continuous TX mode_ANT-2



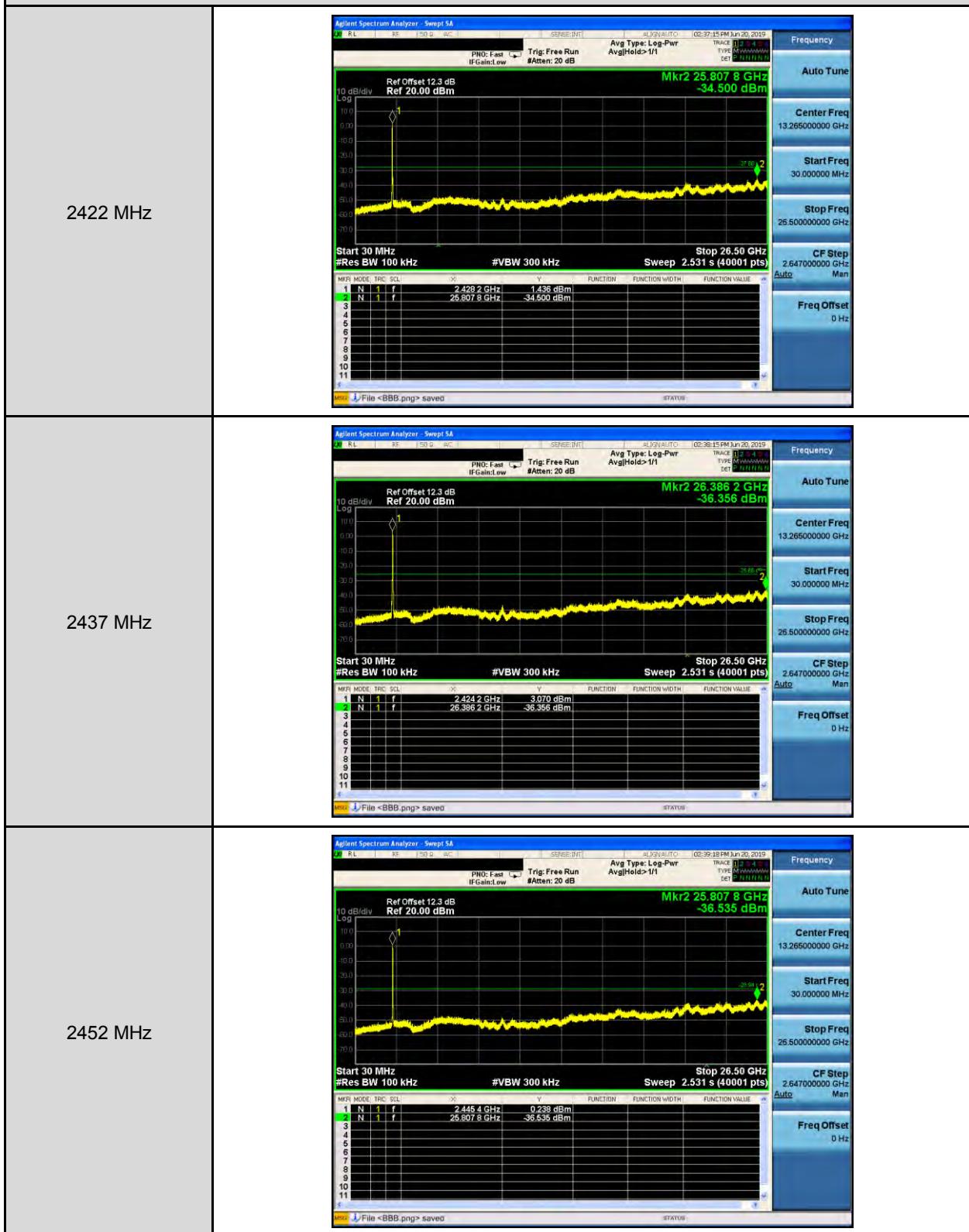
Mode 3: IEEE 802.11g Continuous TX mode_ANT-2



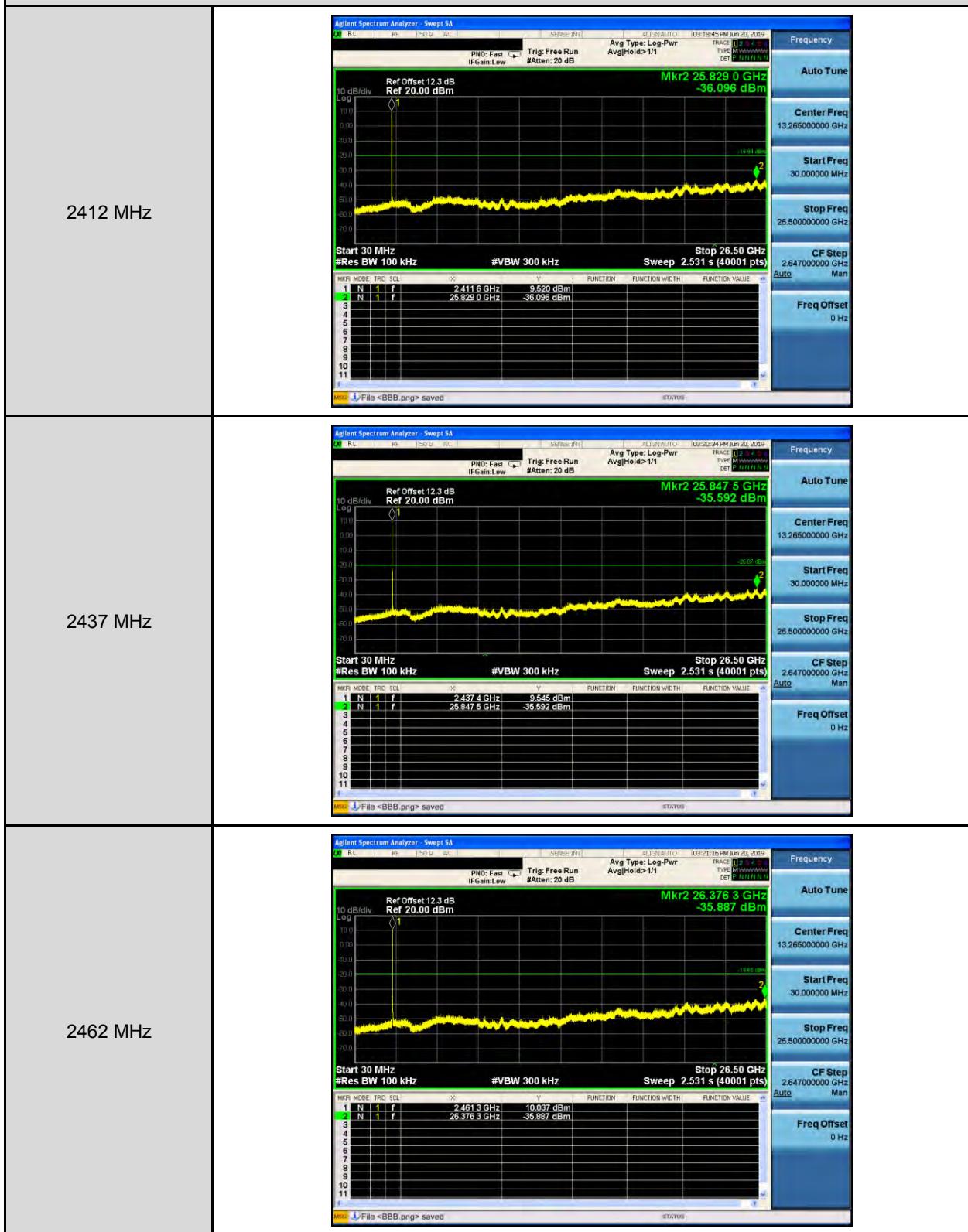
Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode_ANT-2



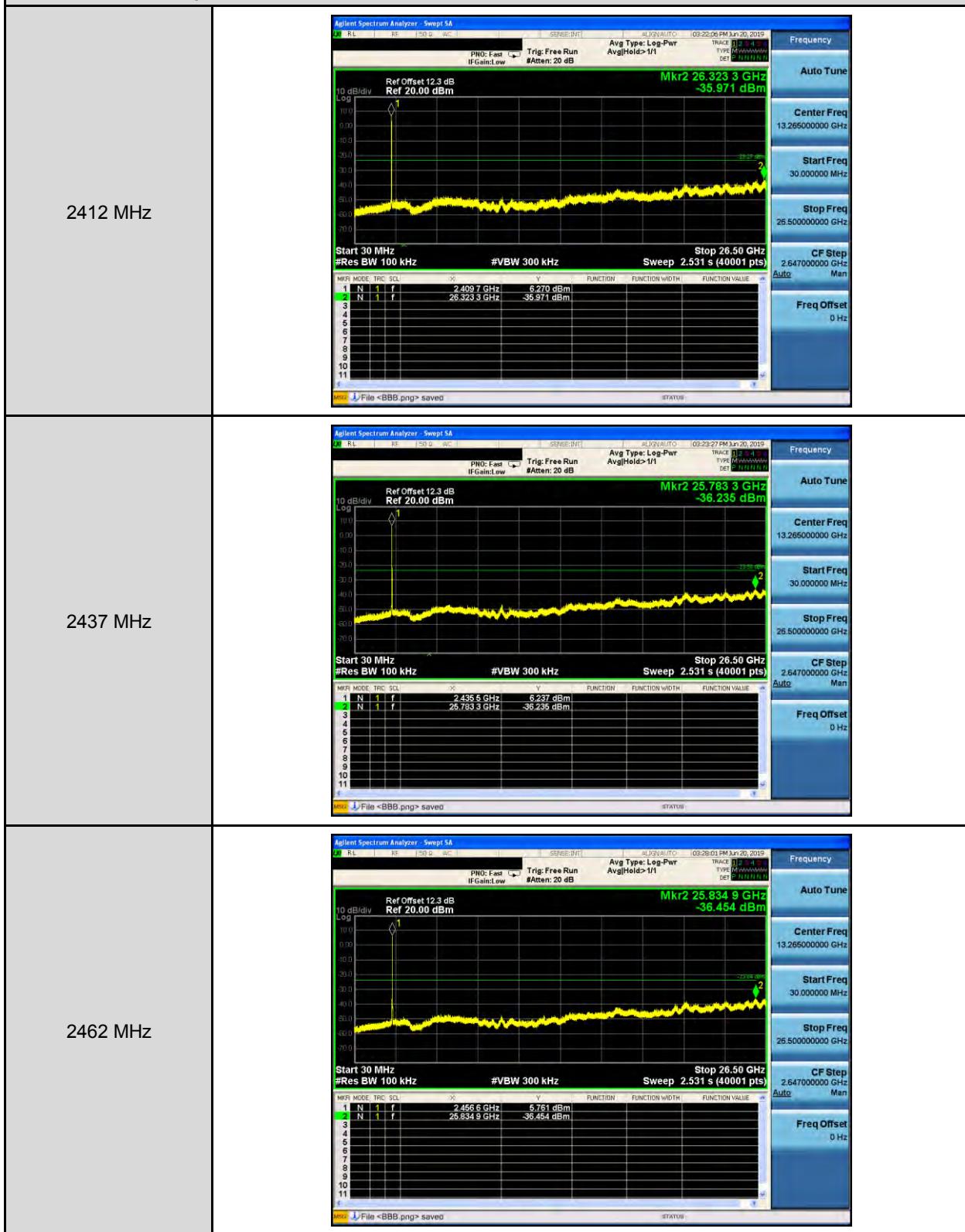
Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode_ANT-2



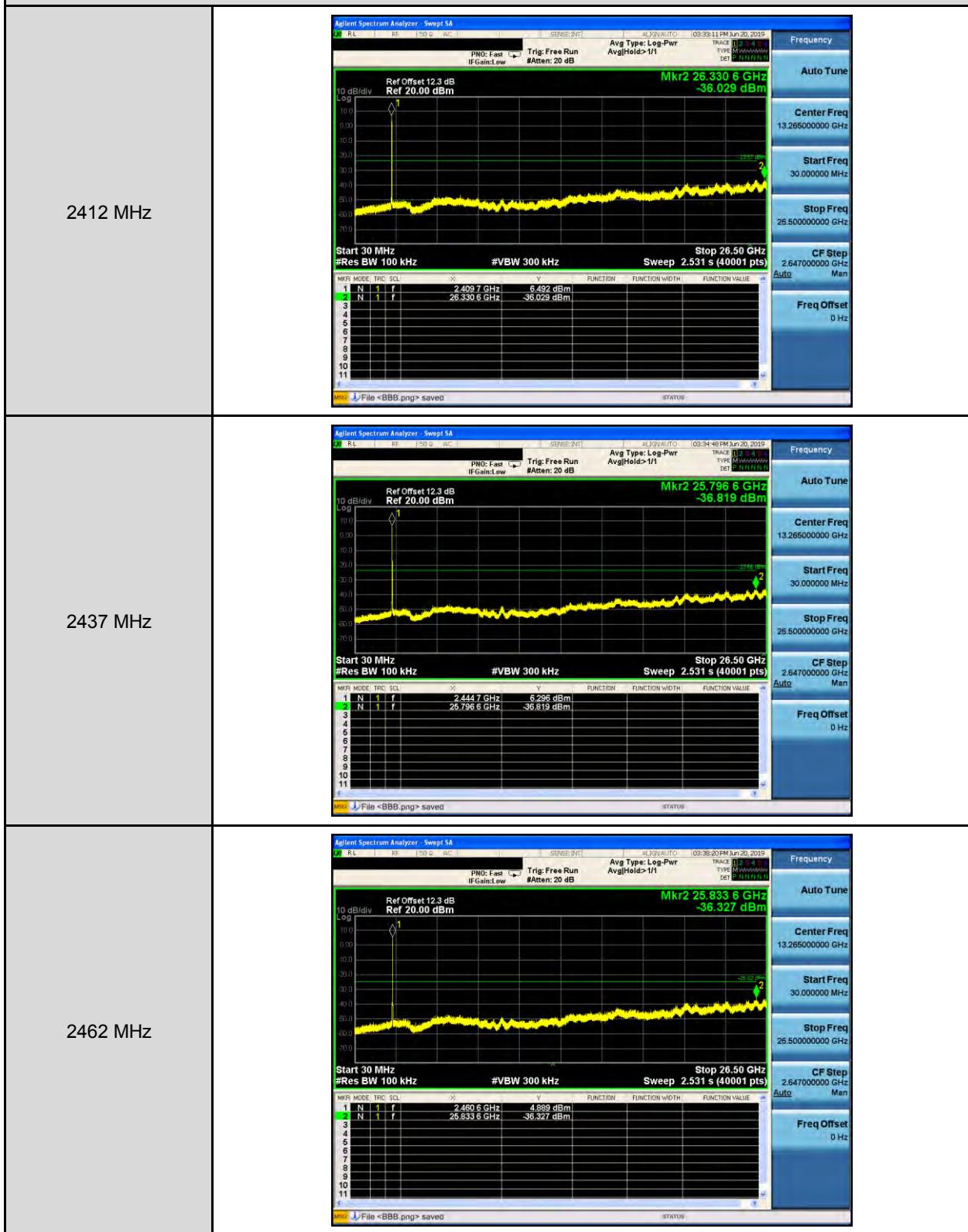
Mode 2: IEEE 802.11b Continuous TX mode_ANT-3



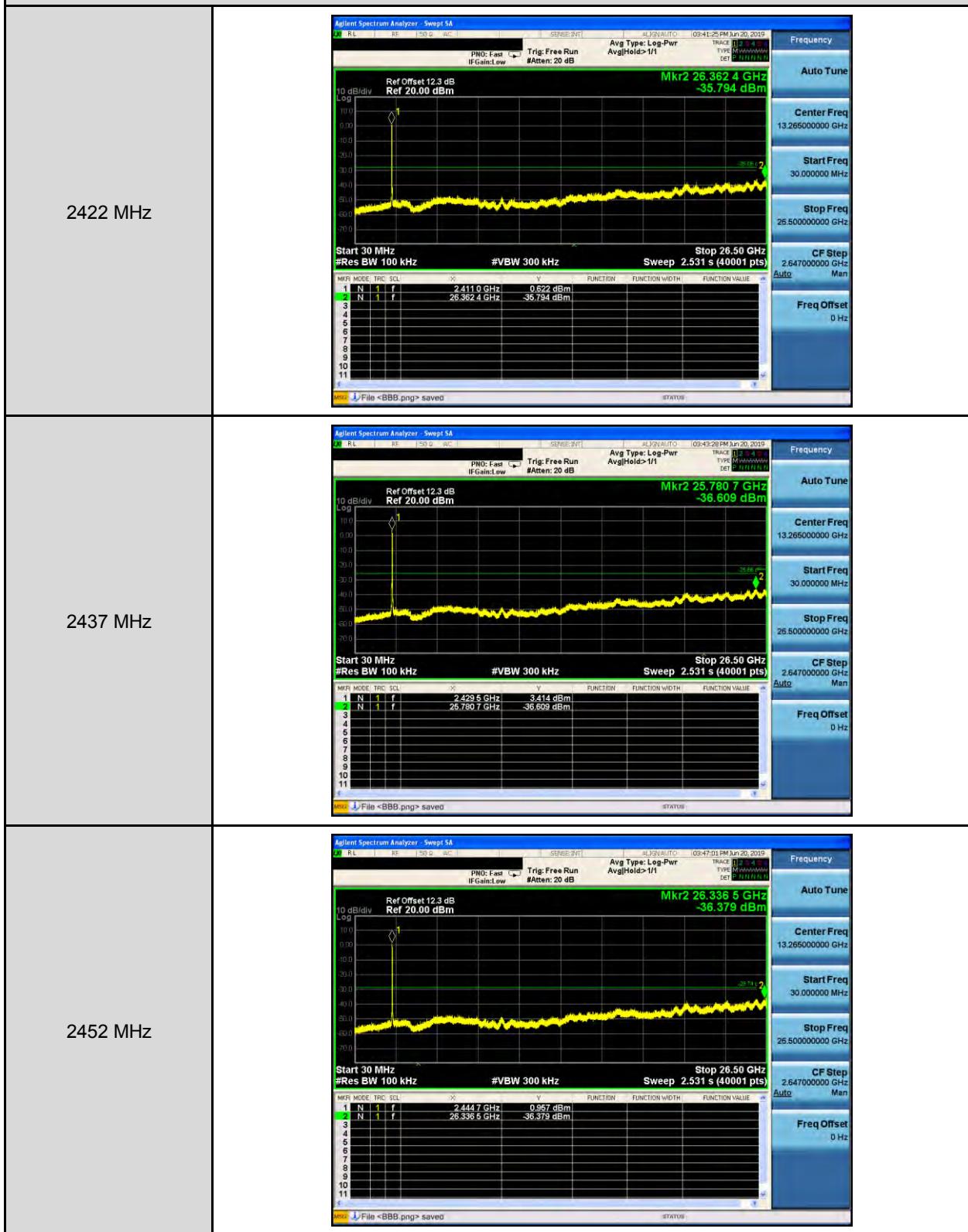
Mode 3: IEEE 802.11g Continuous TX mode_ANT-3



Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode_ANT-3



Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode_ANT-3



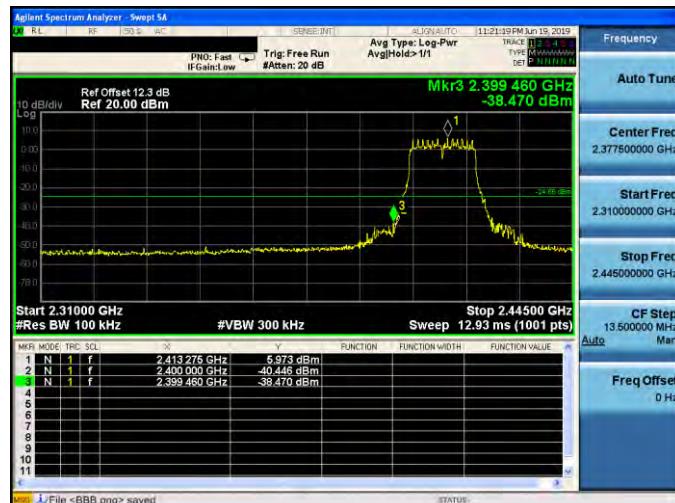
Conducted Band Edge

Mode 2: IEEE 802.11b Continuous TX mode_ANT-0

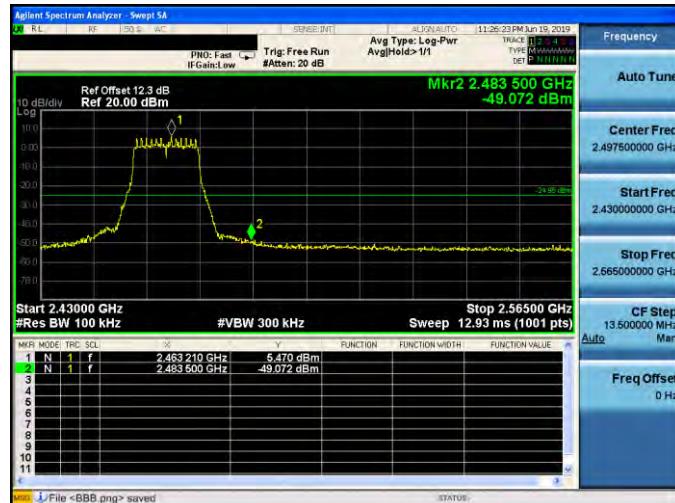


Mode 3: IEEE 802.11g Continuous TX mode_ANT-0

2412 MHz

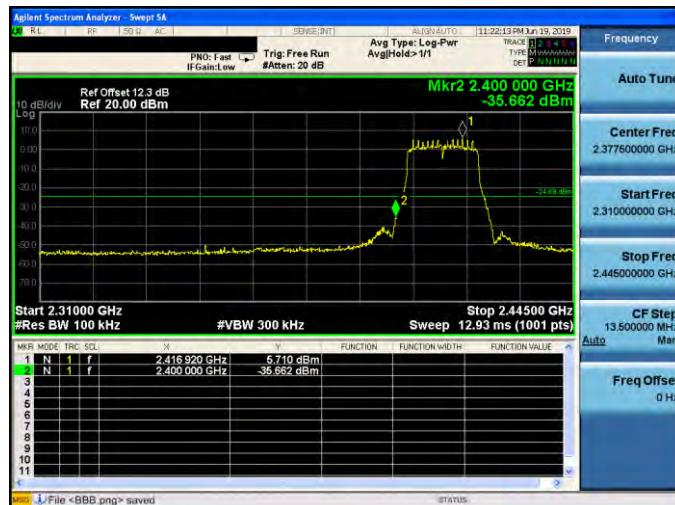


2462 MHz

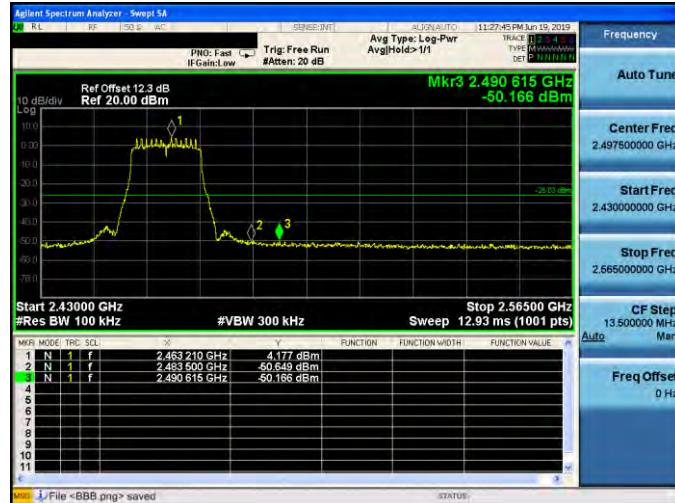


Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode_ANT-0

2412 MHz

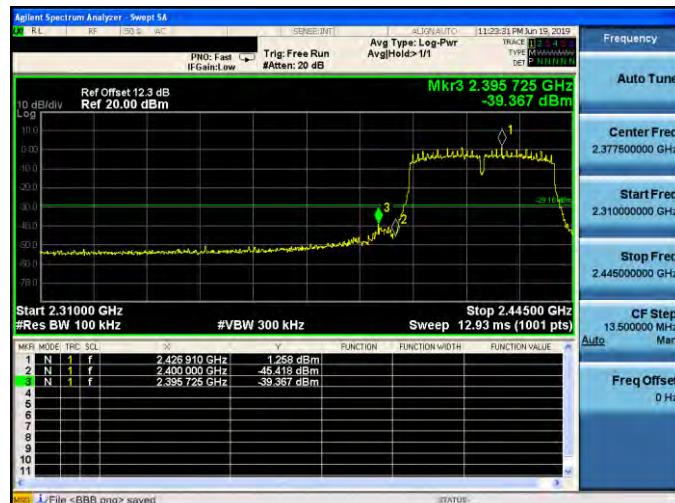


2462 MHz



Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode_ANT-0

2422 MHz

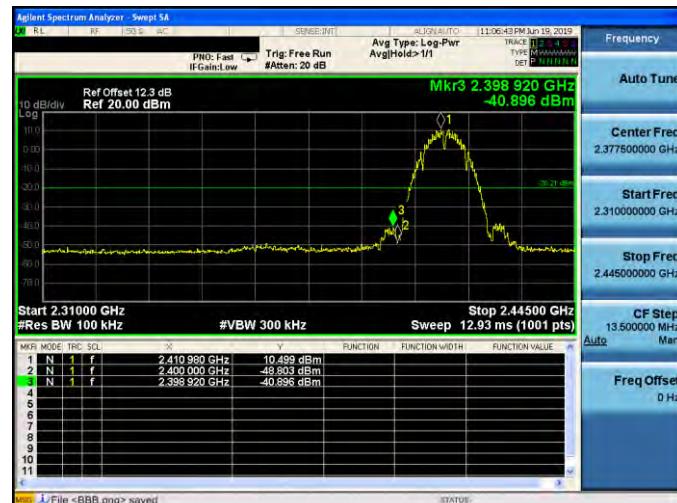


2452 MHz

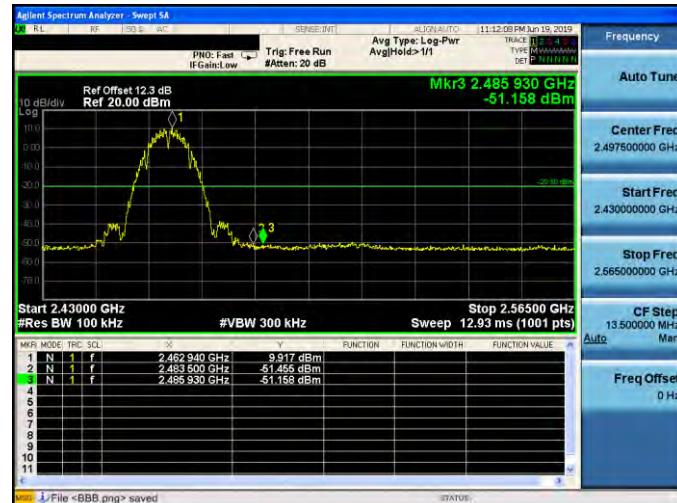


Mode 2: IEEE 802.11b Continuous TX mode_ANT-1

2412 MHz

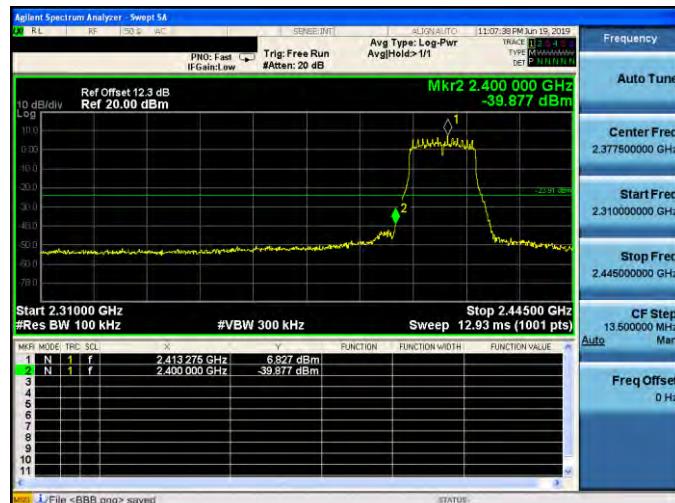


2462 MHz



Mode 3: IEEE 802.11g Continuous TX mode_ANT-1

2412 MHz

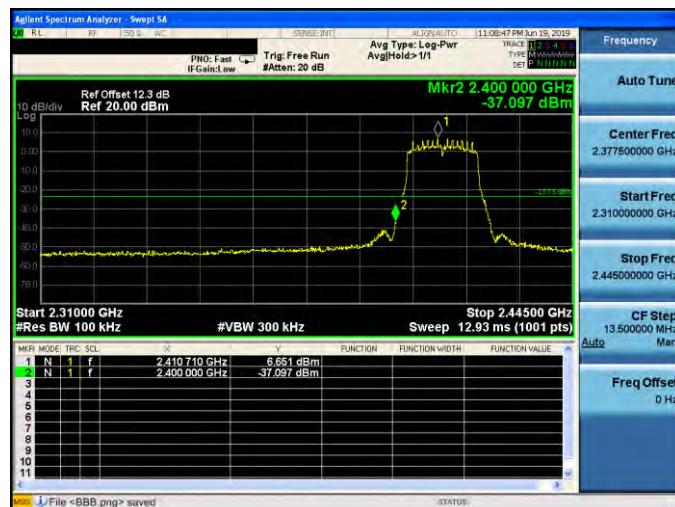


2462 MHz

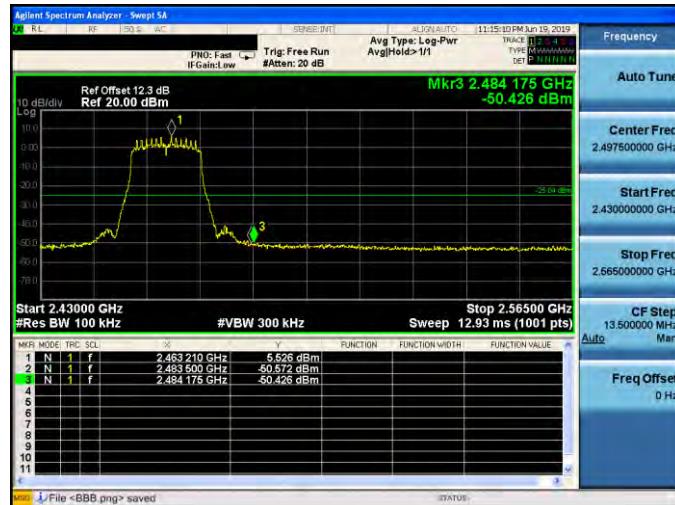


Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode_ANT-1

2412 MHz



2462 MHz

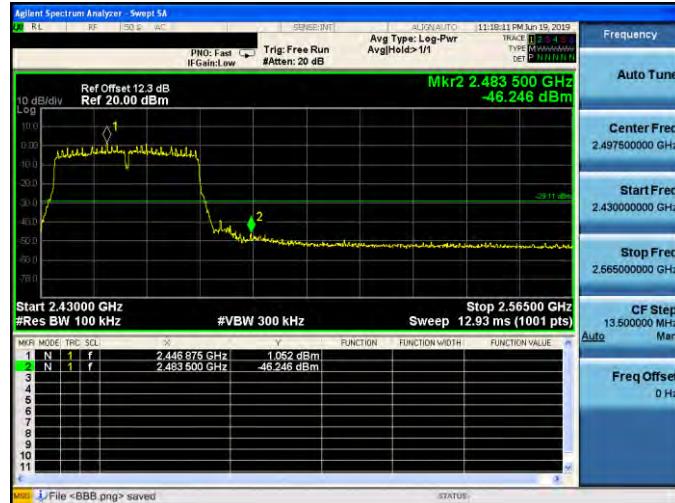


Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode_ANT-1

2422 MHz

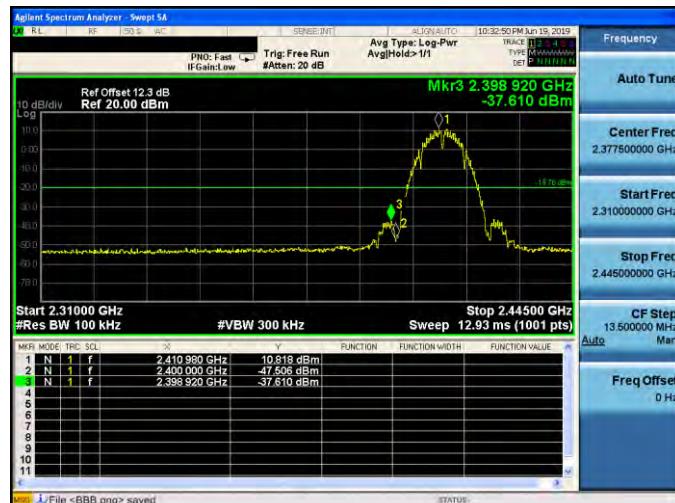


2452 MHz

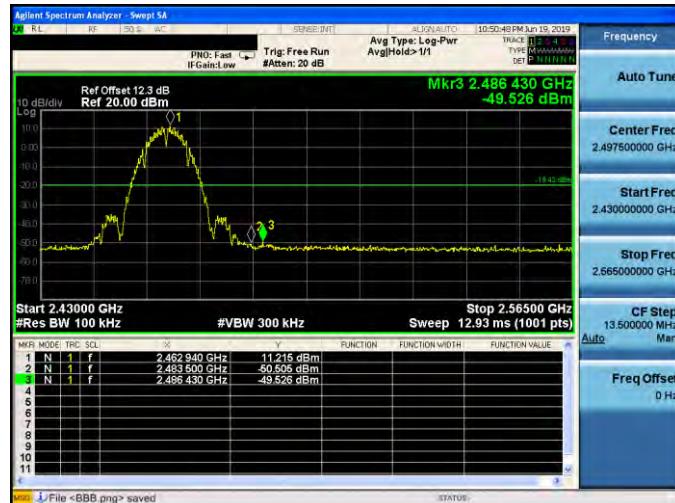


Mode 2: IEEE 802.11b Continuous TX mode_ANT-2

2412 MHz

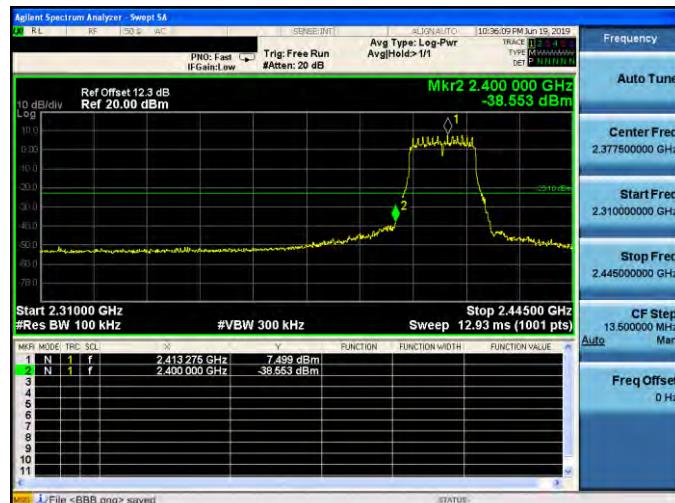


2462 MHz

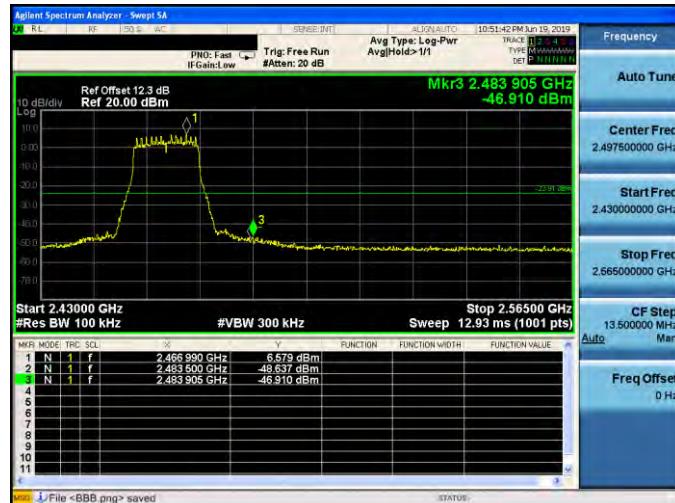


Mode 3: IEEE 802.11g Continuous TX mode_ANT-2

2412 MHz

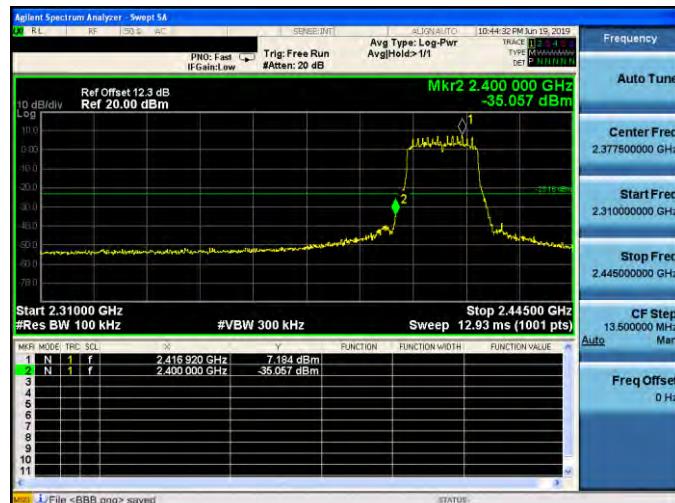


2462 MHz



Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode_ANT-2

2412 MHz



2462 MHz



Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode_ANT-2

2422 MHz

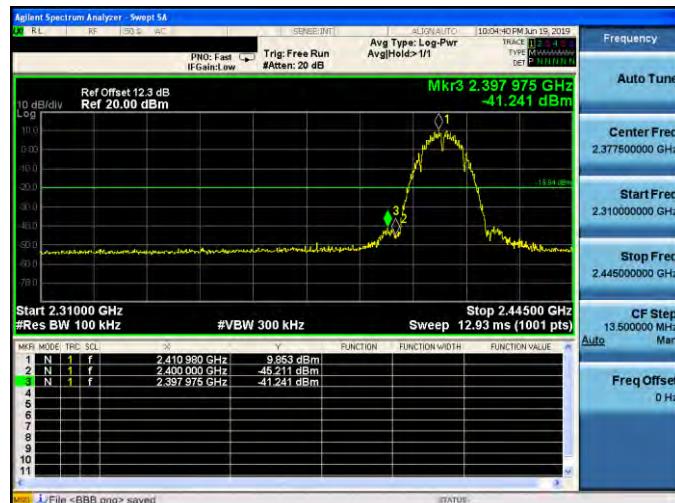


2452 MHz

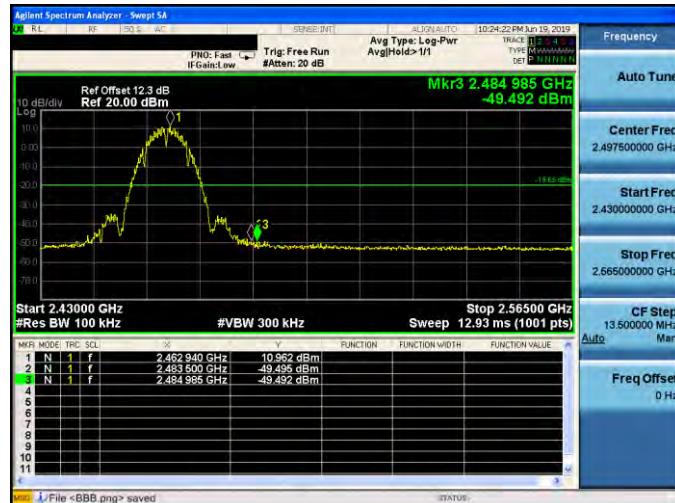


Mode 2: IEEE 802.11b Continuous TX mode_ANT-3

2412 MHz

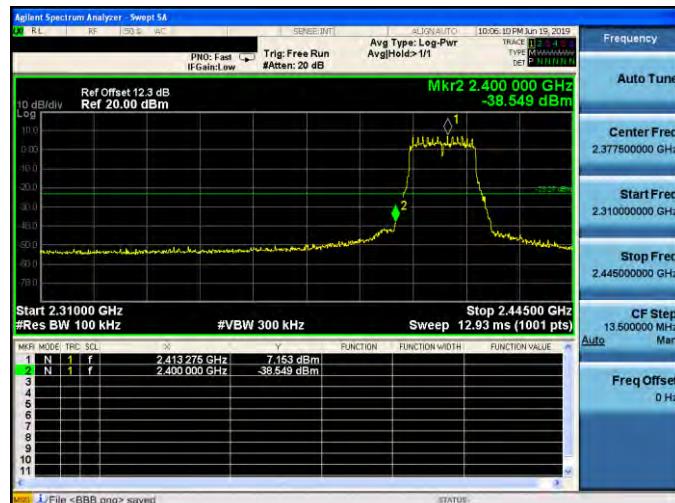


2462 MHz



Mode 3: IEEE 802.11g Continuous TX mode_ANT-3

2412 MHz

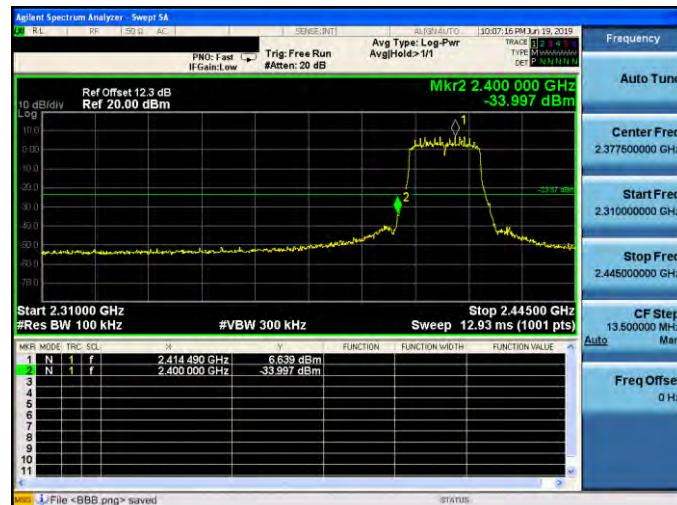


2462 MHz

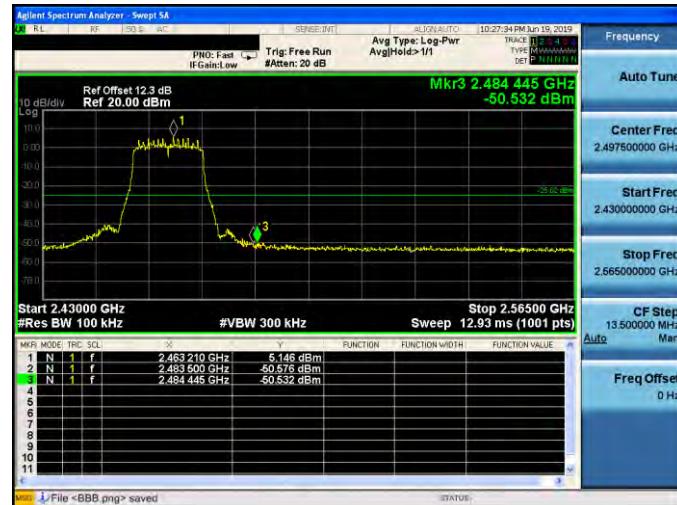


Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode_ANT-3

2412 MHz



2462 MHz



Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode_ANT-3

2422 MHz



2452 MHz



Beamforming on

Reference level

Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode_ANT-0



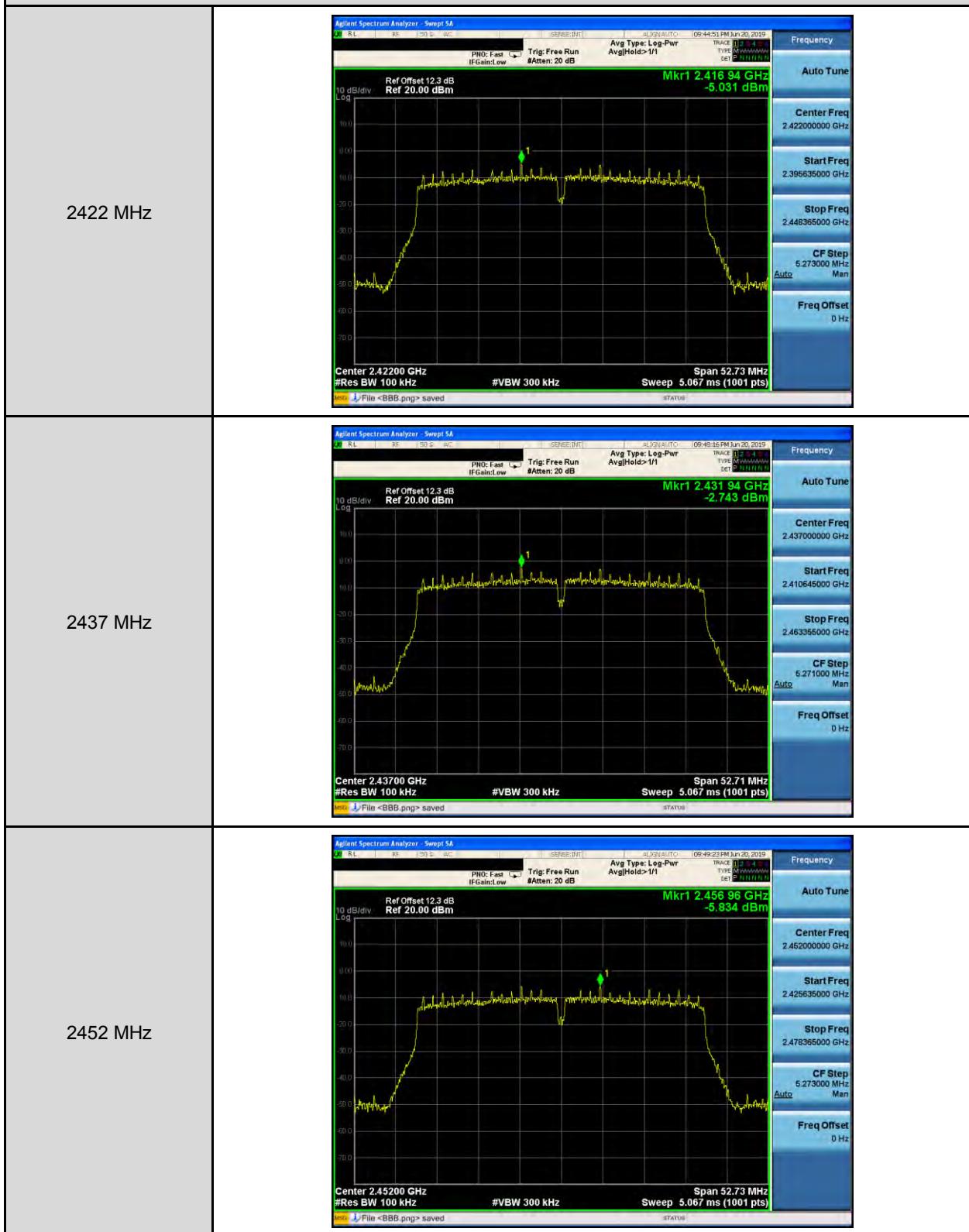
Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode_ANT-0



Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode_ANT-1

2412 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.413 229 GHz -0.213 dBm</p> <p>10 dB/div Log</p> <p>Center 2.41200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.333 ms (1001 pts)</p> <p>File <BBB.png> saved</p>
2437 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.438 219 GHz -0.811 dBm</p> <p>10 dB/div Log</p> <p>Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.333 ms (1001 pts)</p> <p>File <BBB.png> saved</p>
2462 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.463 227 GHz -1.849 dBm</p> <p>10 dB/div Log</p> <p>Center 2.46200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.333 ms (1001 pts)</p> <p>File <BBB.png> saved</p>

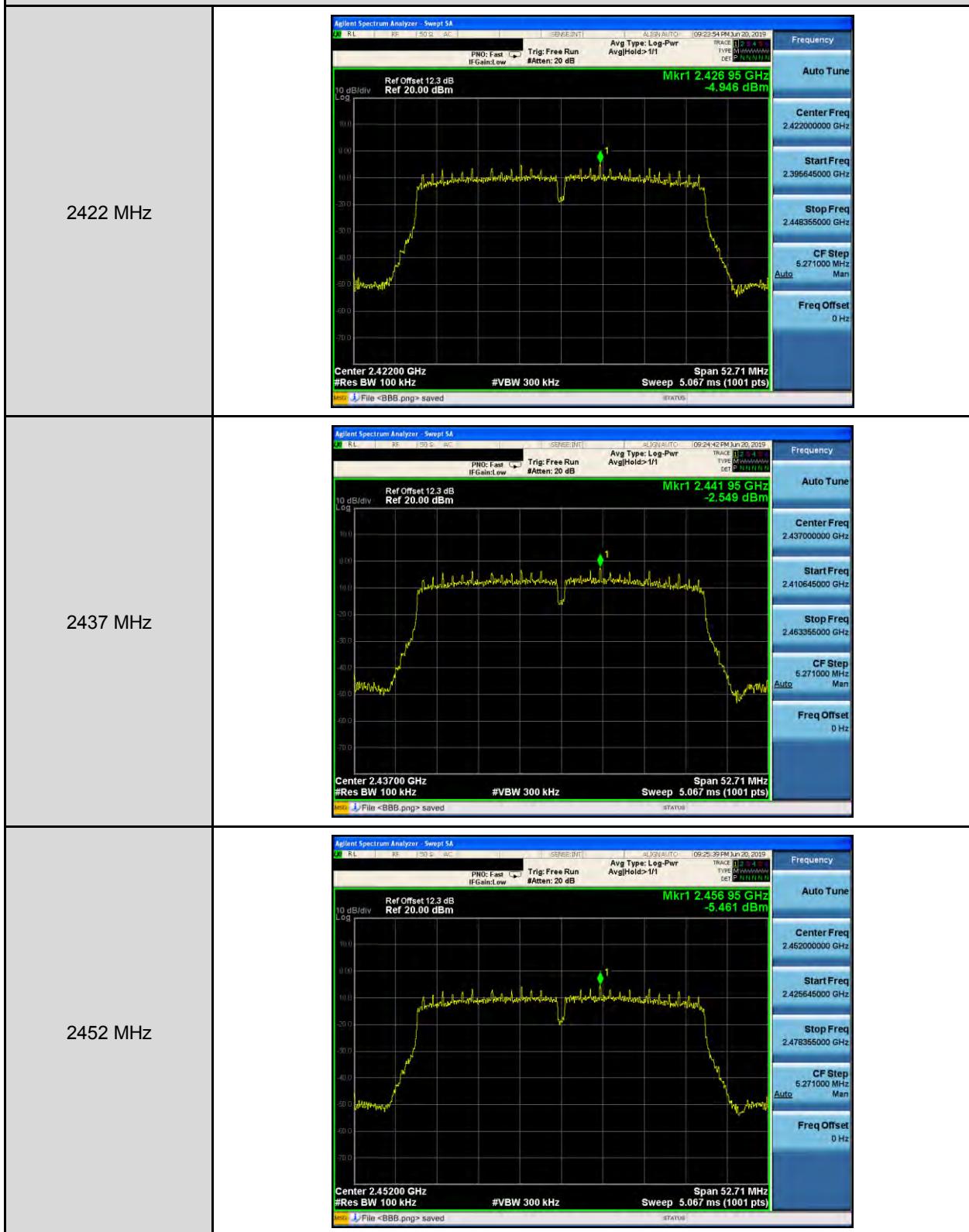
Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode_ANT-1



Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode_ANT-2



Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode_ANT-2



Mode 6: IEEE 802.11n 2.4 GHz 20 MHz (256QAM) Continuous TX mode_ANT-3

2412 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.413 239 GHz -0.675 dBm</p> <p>Center 2.41200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.467 ms (1001 pts)</p> <p>Span 25.28 MHz</p> <p>Auto Tune Center Freq 2.41200000 GHz Start Freq 2.399360000 GHz Stop Freq 2.424640000 GHz CF Step 2.528000 MHz Auto Freq Offset 0 Hz</p>
2437 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.438 225 0 GHz -0.904 dBm</p> <p>Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.400 ms (1001 pts)</p> <p>Span 24.50 MHz</p> <p>Auto Tune Center Freq 2.43700000 GHz Start Freq 2.424750000 GHz Stop Freq 2.449250000 GHz CF Step 2.450000 MHz Auto Freq Offset 0 Hz</p>
2462 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.463 222 GHz -2.241 dBm</p> <p>Center 2.46200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.400 ms (1001 pts)</p> <p>Span 24.93 MHz</p> <p>Auto Tune Center Freq 2.46200000 GHz Start Freq 2.449635000 GHz Stop Freq 2.474465000 GHz CF Step 2.493000 MHz Auto Freq Offset 0 Hz</p>

Mode 7: IEEE 802.11n 2.4 GHz 40 MHz (256QAM) Continuous TX mode_ANT-3

2422 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.416 94 GHz -5.066 dBm</p> <p>Center 2.42200 GHz #Res BW 100 kHz #VBW 300 kHz Span 52.68 MHz Sweep 5.067 ms (1001 pts)</p> <p>File <BBB.png> saved</p>
2437 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.431 94 GHz -2.807 dBm</p> <p>Center 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Span 52.71 MHz Sweep 5.067 ms (1001 pts)</p> <p>File <BBB.png> saved</p>
2452 MHz	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Ref Offset 12.3 dB Ref 20.00 dBm</p> <p>Mkr1 2.446 94 GHz -5.944 dBm</p> <p>Center 2.45200 GHz #Res BW 100 kHz #VBW 300 kHz Span 52.71 MHz Sweep 5.067 ms (1001 pts)</p> <p>File <BBB.png> saved</p>