

Mode 9: IEEE 802.11ax 2.4 GHz 40 MHz Continuous TX mode_ANT-0

<p>2422 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.42200000 GHz</p> <p>Span 80 MHz</p> <p>Occupied Bandwidth: 37.702 MHz</p> <p>Total Power: 23.9 dBm</p> <p>Transmit Freq Error: 52.109 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 37.43 MHz</p> <p>x dB: -6.00 dB</p>
<p>2437 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.43700000 GHz</p> <p>Span 80 MHz</p> <p>Occupied Bandwidth: 37.634 MHz</p> <p>Total Power: 24.2 dBm</p> <p>Transmit Freq Error: -29.013 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 37.00 MHz</p> <p>x dB: -6.00 dB</p>
<p>2452 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.45200000 GHz</p> <p>Span 80 MHz</p> <p>Occupied Bandwidth: 37.726 MHz</p> <p>Total Power: 24.6 dBm</p> <p>Transmit Freq Error: -39.940 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 36.11 MHz</p> <p>x dB: -6.00 dB</p>

Mode 8: IEEE 802.11ax 2.4 GHz 20 MHz Continuous TX mode_ANT-1

<p>2412 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.412000000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11 dB Ref 20.00 dBm</p> <p>Center 2.412 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms</p> <p>Occupied Bandwidth: 18.779 MHz Total Power: 26.3 dBm Transmit Freq Error: 33.305 kHz OBW Power: 99.00 % x dB Bandwidth: 15.94 MHz x dB Bandwidth: -6.00 dB</p> <p>File <BBB.png> saved</p>
<p>2437 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.437000000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11 dB Ref 20.00 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms</p> <p>Occupied Bandwidth: 18.814 MHz Total Power: 26.3 dBm Transmit Freq Error: 8.452 kHz OBW Power: 99.00 % x dB Bandwidth: 17.32 MHz x dB Bandwidth: -6.00 dB</p> <p>File <BBB.png> saved</p>
<p>2462 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.462000000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11 dB Ref 20.00 dBm</p> <p>Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms</p> <p>Occupied Bandwidth: 18.797 MHz Total Power: 26.3 dBm Transmit Freq Error: -53.174 kHz OBW Power: 99.00 % x dB Bandwidth: 16.34 MHz x dB Bandwidth: -6.00 dB</p> <p>File <BBB.png> saved</p>

Mode 9: IEEE 802.11ax 2.4 GHz 40 MHz Continuous TX mode_ANT-1

<p>2422 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.422000000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11 dB Ref 20.00 dBm</p> <p>Center 2.422 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms</p> <p>Occupied Bandwidth 37.736 MHz Total Power 24.7 dBm</p> <p>Transmit Freq Error 55.280 kHz OBW Power 99.00 % x dB Bandwidth 37.76 MHz x dB -6.00 dB</p> <p>File <BBB.png> saved</p>
<p>2437 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.437000000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11 dB Ref 20.00 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms</p> <p>Occupied Bandwidth 37.625 MHz Total Power 24.4 dBm</p> <p>Transmit Freq Error 46.672 kHz OBW Power 99.00 % x dB Bandwidth 37.61 MHz x dB -6.00 dB</p> <p>File <BBB.png> saved</p>
<p>2452 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.452000000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11 dB Ref 20.00 dBm</p> <p>Center 2.452 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 7.667 ms</p> <p>Occupied Bandwidth 37.629 MHz Total Power 24.3 dBm</p> <p>Transmit Freq Error -21.084 kHz OBW Power 99.00 % x dB Bandwidth 37.57 MHz x dB -6.00 dB</p> <p>File <BBB.png> saved</p>

Mode 8: IEEE 802.11ax 2.4 GHz 20 MHz Continuous TX mode_ANT-2

<p>2412 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.412000000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11 dB Ref 20.00 dBm</p> <p>Center 2.412 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms</p> <p>Occupied Bandwidth: 18.741 MHz Total Power: 25.1 dBm Transmit Freq Error: 27.474 kHz OBW Power: 99.00 % x dB Bandwidth: 16.64 MHz x dB: -6.00 dB</p> <p>File <BBB.png> saved</p>
<p>2437 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.437000000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11 dB Ref 20.00 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms</p> <p>Occupied Bandwidth: 18.804 MHz Total Power: 26.5 dBm Transmit Freq Error: 2.837 kHz OBW Power: 99.00 % x dB Bandwidth: 17.60 MHz x dB: -6.00 dB</p> <p>File <BBB.png> saved</p>
<p>2462 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.462000000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11 dB Ref 20.00 dBm</p> <p>Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms</p> <p>Occupied Bandwidth: 18.801 MHz Total Power: 27.1 dBm Transmit Freq Error: -11.053 kHz OBW Power: 99.00 % x dB Bandwidth: 16.35 MHz x dB: -6.00 dB</p> <p>File <BBB.png> saved</p>

Mode 9: IEEE 802.11ax 2.4 GHz 40 MHz Continuous TX mode_ANT-2

<p>2422 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.42200000 GHz</p> <p>Occupied Bandwidth: 37.727 MHz</p> <p>Total Power: 22.6 dBm</p> <p>Transmit Freq Error: 2.676 kHz</p> <p>x dB Bandwidth: 38.12 MHz</p> <p>OBW Power: 99.00 %</p> <p>x dB: -6.00 dB</p>
<p>2437 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.43700000 GHz</p> <p>Occupied Bandwidth: 37.608 MHz</p> <p>Total Power: 24.5 dBm</p> <p>Transmit Freq Error: 8.223 kHz</p> <p>x dB Bandwidth: 37.41 MHz</p> <p>OBW Power: 99.00 %</p> <p>x dB: -6.00 dB</p>
<p>2452 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.45200000 GHz</p> <p>Occupied Bandwidth: 37.693 MHz</p> <p>Total Power: 24.5 dBm</p> <p>Transmit Freq Error: -13.711 kHz</p> <p>x dB Bandwidth: 37.52 MHz</p> <p>OBW Power: 99.00 %</p> <p>x dB: -6.00 dB</p>

Mode 8: IEEE 802.11ax 2.4 GHz 20 MHz Continuous TX mode_ANT-3

<p>2412 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.412000000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11 dB Ref 20.00 dBm</p> <p>Center 2.412 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms</p> <p>Occupied Bandwidth 18.842 MHz Total Power 25.8 dBm</p> <p>Transmit Freq Error -618 Hz OBW Power 99.00 % x dB Bandwidth 18.61 MHz x dB -6.00 dB</p> <p>File <BBB.png> saved</p>
<p>2437 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.437000000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11 dB Ref 20.00 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms</p> <p>Occupied Bandwidth 18.828 MHz Total Power 25.7 dBm</p> <p>Transmit Freq Error 13.082 kHz OBW Power 99.00 % x dB Bandwidth 17.52 MHz x dB -6.00 dB</p> <p>File <BBB.png> saved</p>
<p>2462 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.462000000 GHz Trig: Free Run #IF Gain: Low #Atten: 30 dB Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11 dB Ref 20.00 dBm</p> <p>Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 3.867 ms</p> <p>Occupied Bandwidth 18.813 MHz Total Power 25.7 dBm</p> <p>Transmit Freq Error -44.990 kHz OBW Power 99.00 % x dB Bandwidth 16.79 MHz x dB -6.00 dB</p> <p>File <BBB.png> saved</p>

Mode 9: IEEE 802.11ax 2.4 GHz 40 MHz Continuous TX mode_ANT-3

<p>2422 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.42200000 GHz</p> <p>Span 80 MHz</p> <p>Occupied Bandwidth: 37.727 MHz</p> <p>Total Power: 24.3 dBm</p> <p>Transmit Freq Error: 36.176 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 37.32 MHz</p> <p>x dB: -6.00 dB</p>
<p>2437 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.43700000 GHz</p> <p>Span 80 MHz</p> <p>Occupied Bandwidth: 37.753 MHz</p> <p>Total Power: 24.5 dBm</p> <p>Transmit Freq Error: 16.280 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 37.89 MHz</p> <p>x dB: -6.00 dB</p>
<p>2452 MHz</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.45200000 GHz</p> <p>Span 80 MHz</p> <p>Occupied Bandwidth: 37.609 MHz</p> <p>Total Power: 24.4 dBm</p> <p>Transmit Freq Error: -23.108 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 37.84 MHz</p> <p>x dB: -6.00 dB</p>

Maximum Power Spectral Density Measurement

ANT-0			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 2	2412	1.244	≤ 8.00
	2437	0.799	≤ 8.00
	2462	1.477	≤ 8.00
Mode 3	2412	-7.879	≤ 3.00
	2437	-3.836	≤ 3.00
	2462	-7.599	≤ 3.00
Mode 8	2412	-7.617	≤ 3.00
	2437	-4.038	≤ 3.00
	2462	-8.538	≤ 3.00
Mode 9	2422	-10.365	≤ 3.00
	2437	-9.170	≤ 3.00
	2452	-11.795	≤ 3.00

ANT-1			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 3	2412	-7.423	≤ 3.00
	2437	-3.688	≤ 3.00
	2462	-7.052	≤ 3.00
Mode 8	2412	-7.947	≤ 3.00
	2437	-3.934	≤ 3.00
	2462	-7.590	≤ 3.00
Mode 9	2422	-10.094	≤ 3.00
	2437	-10.152	≤ 3.00
	2452	-11.938	≤ 3.00

ANT-2			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 3	2412	-8.560	≤ 3.00
	2437	-4.078	≤ 3.00
	2462	-7.602	≤ 3.00
Mode 8	2412	-7.943	≤ 3.00
	2437	-3.438	≤ 3.00
	2462	-8.939	≤ 3.00
Mode 9	2422	-11.104	≤ 3.00
	2437	-8.960	≤ 3.00
	2452	-11.662	≤ 3.00

ANT-2			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 3	2412	-8.692	≤ 3.00
	2437	-3.744	≤ 3.00
	2462	-8.509	≤ 3.00
Mode 8	2412	-7.809	≤ 3.00
	2437	-3.493	≤ 3.00
	2462	-8.478	≤ 3.00
Mode 9	2422	-9.209	≤ 3.00
	2437	-10.489	≤ 3.00
	2452	-11.936	≤ 3.00

ANT-0+1+2+3			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 3	2412	-2.087	≤ 3.00
	2437	2.187	≤ 3.00
	2462	-1.639	≤ 3.00
Mode 8	2412	-1.806	≤ 3.00
	2437	2.303	≤ 3.00
	2462	-2.337	≤ 3.00
Mode 9	2422	-4.119	≤ 3.00
	2437	-3.625	≤ 3.00
	2452	-5.811	≤ 3.00

Beamforming on

ANT-0			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 8	2412	-6.184	≤ 3.00
	2437	-6.271	≤ 3.00
	2462	-5.166	≤ 3.00
Mode 9	2422	-6.852	≤ 3.00
	2437	-6.173	≤ 3.00
	2452	-7.196	≤ 3.00

ANT-1			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 8	2412	-5.904	≤ 3.00
	2437	-6.553	≤ 3.00
	2462	-6.410	≤ 3.00
Mode 9	2422	-7.279	≤ 3.00
	2437	-6.491	≤ 3.00
	2452	-6.713	≤ 3.00

ANT-2			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 8	2412	-6.492	≤ 3.00
	2437	-5.265	≤ 3.00
	2462	-6.030	≤ 3.00
Mode 9	2422	-6.080	≤ 3.00
	2437	-6.129	≤ 3.00
	2452	-7.256	≤ 3.00

ANT-3			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 8	2412	-6.690	≤ 3.00
	2437	-5.841	≤ 3.00
	2462	-5.745	≤ 3.00
Mode 9	2422	-7.219	≤ 3.00
	2437	-5.577	≤ 3.00
	2452	-5.542	≤ 3.00

ANT-0+1+2+3			
Test Mode	Frequency (MHz)	Measurement (dBm/3 kHz)	Limit (dBm/ 3 kHz)
Mode 8	2412	-0.287	≤ 3.00
	2437	0.066	≤ 3.00
	2462	0.207	≤ 3.00
Mode 9	2422	-0.810	≤ 3.00
	2437	-0.059	≤ 3.00
	2452	-0.599	≤ 3.00

Mode 2: IEEE 802.11b Continuous TX mode_ANT-0

2412 MHz



2437 MHz

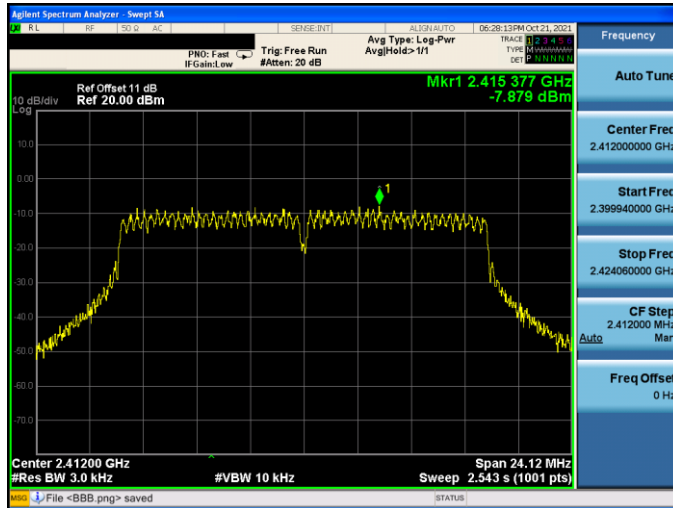


2462 MHz

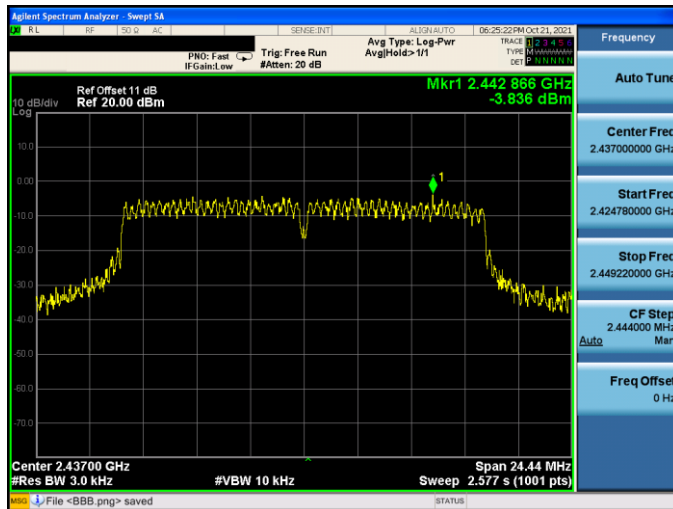


Mode 3: IEEE 802.11g Continuous TX mode_ANT-0

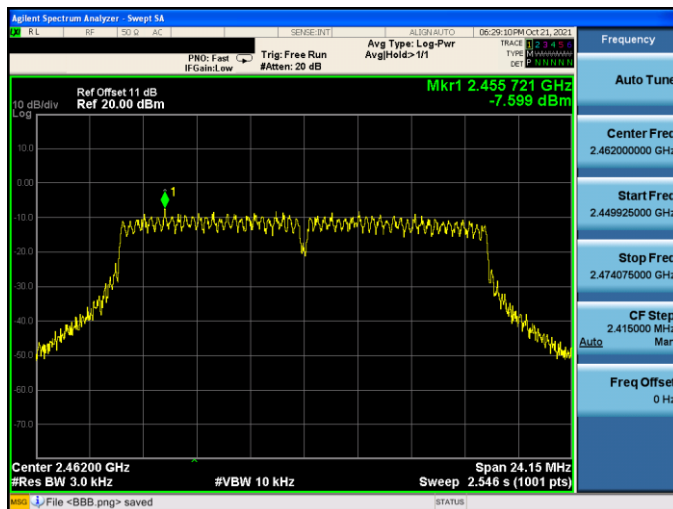
2412 MHz



2437 MHz

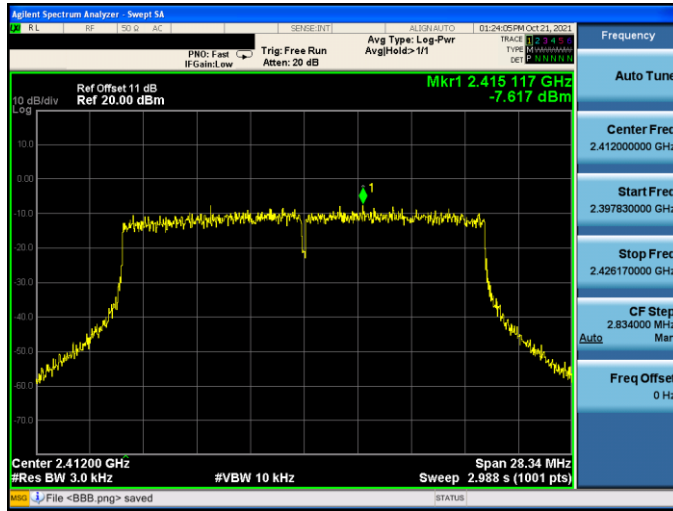


2462 MHz

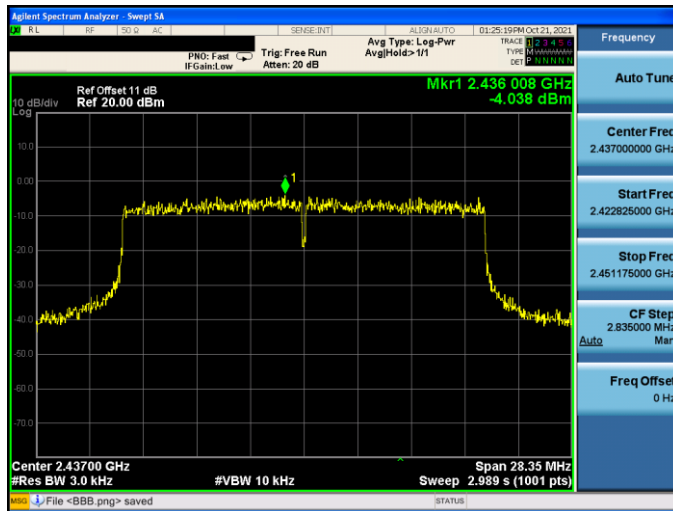


Mode 8: IEEE 802.11ax 2.4 GHz 20 MHz Continuous TX mode_ANT-0

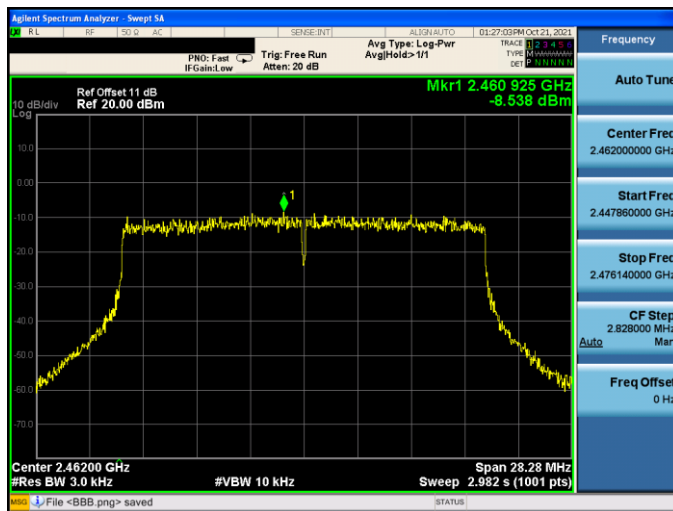
2412 MHz



2437 MHz

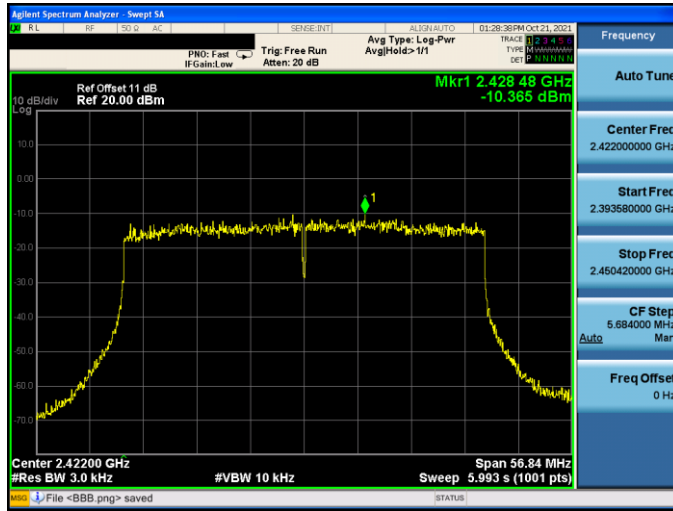


2462 MHz

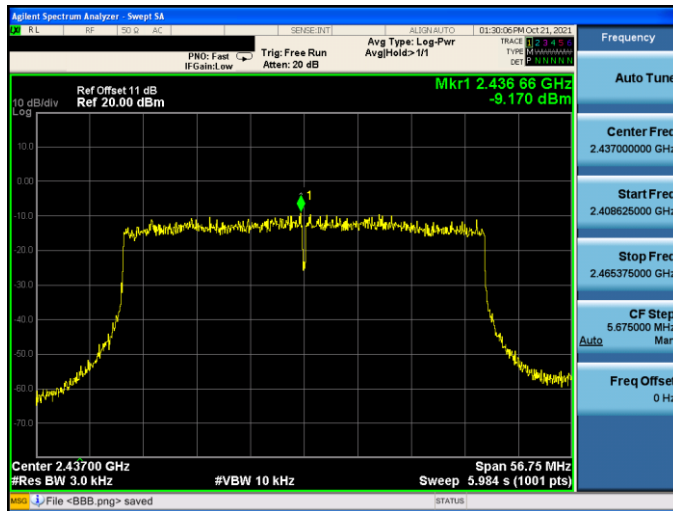


Mode 9: IEEE 802.11ax 2.4 GHz 40 MHz Continuous TX mode_ANT-0

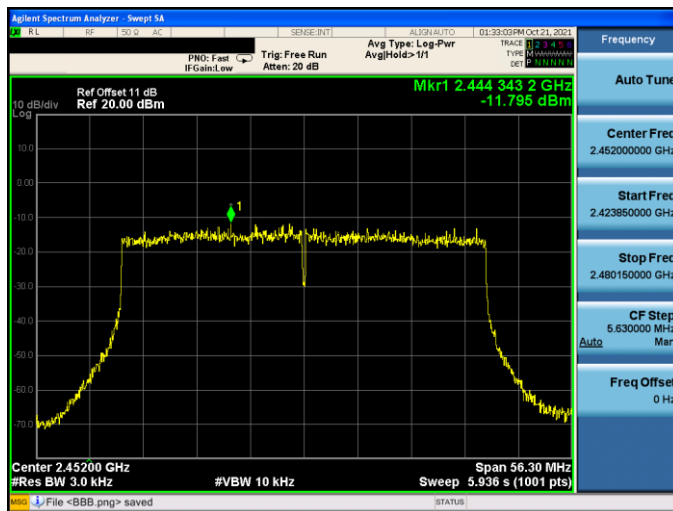
2422 MHz



2437 MHz

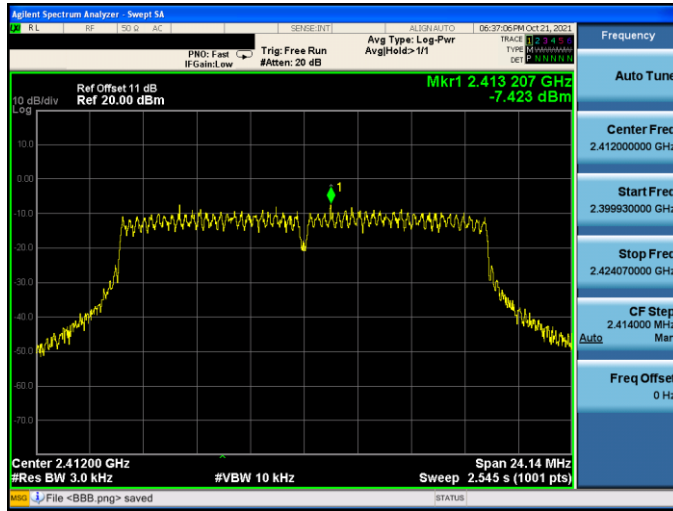


2452 MHz

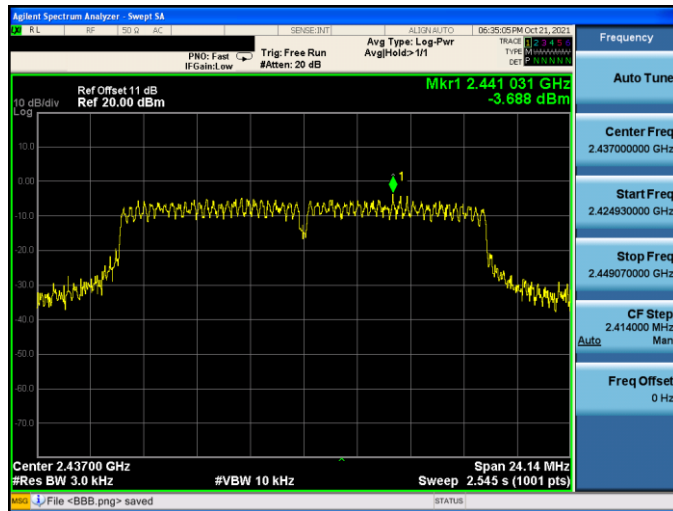


Mode 3: IEEE 802.11g Continuous TX mode_ANT-1

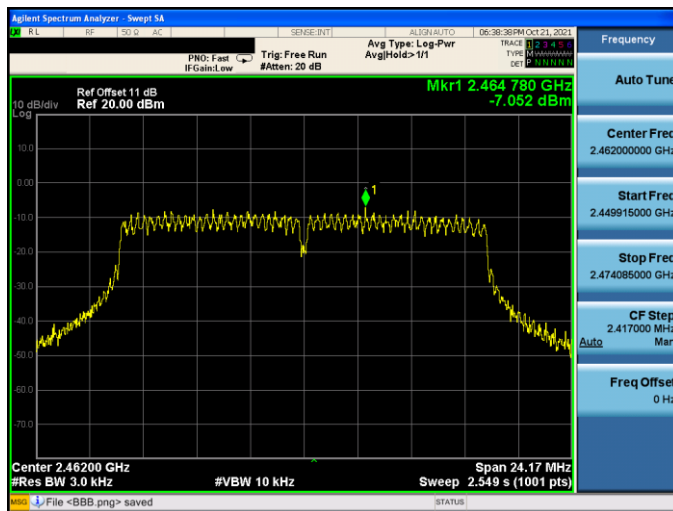
2412 MHz



2437 MHz

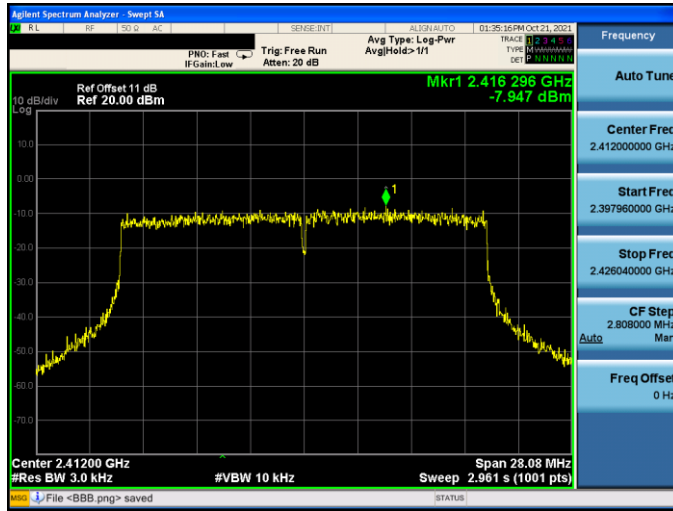


2462 MHz

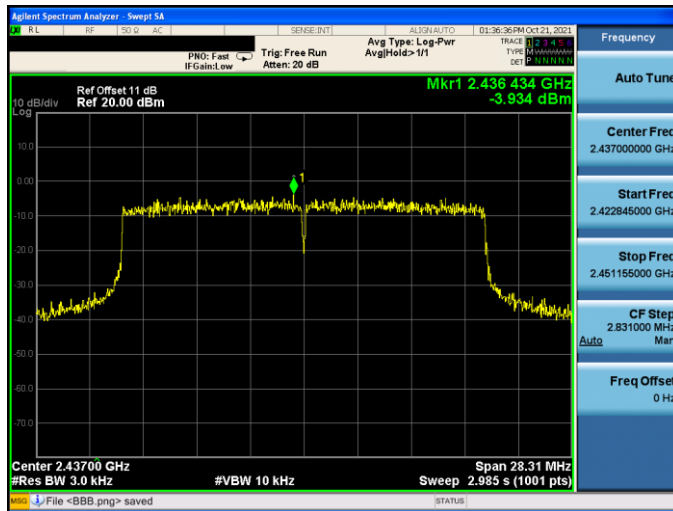


Mode 8: IEEE 802.11ax 2.4 GHz 20 MHz Continuous TX mode_ANT-1

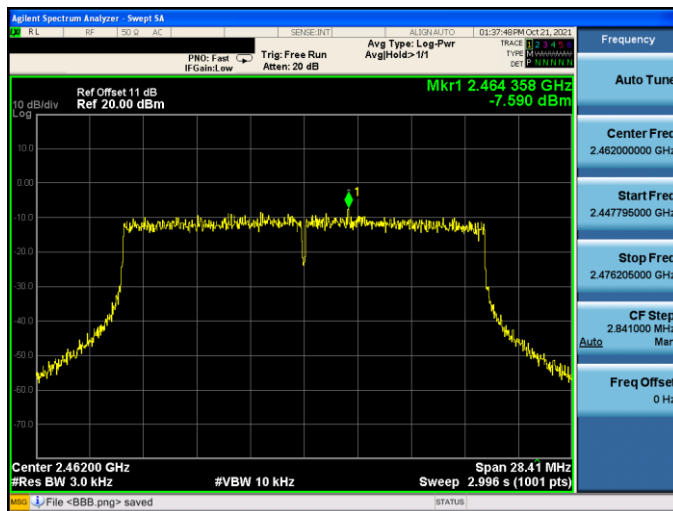
2412 MHz



2437 MHz

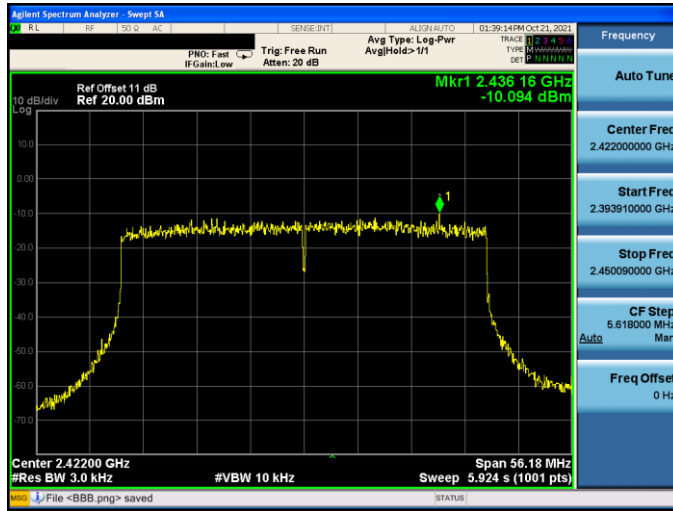


2462 MHz

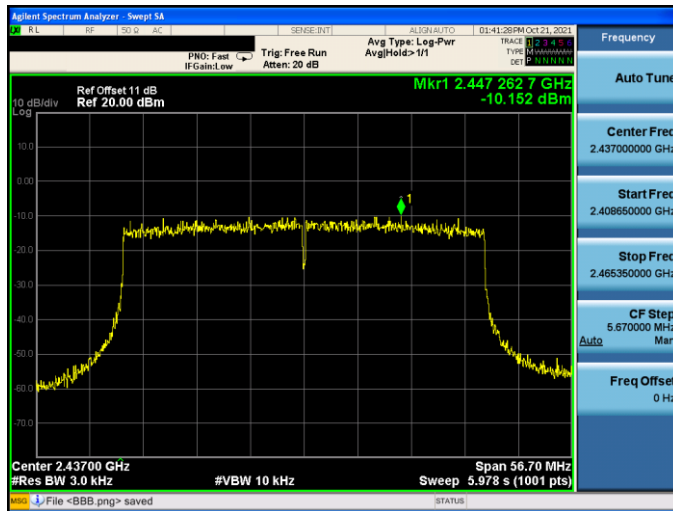


Mode 9: IEEE 802.11ax 2.4 GHz 40 MHz Continuous TX mode_ANT-1

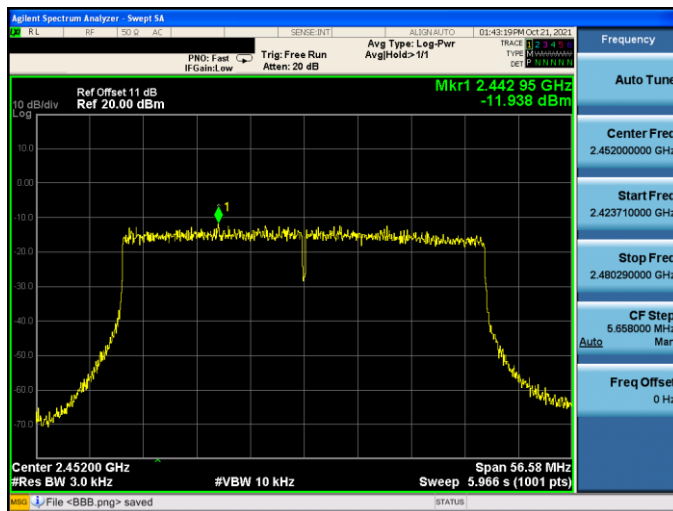
2422 MHz



2437 MHz

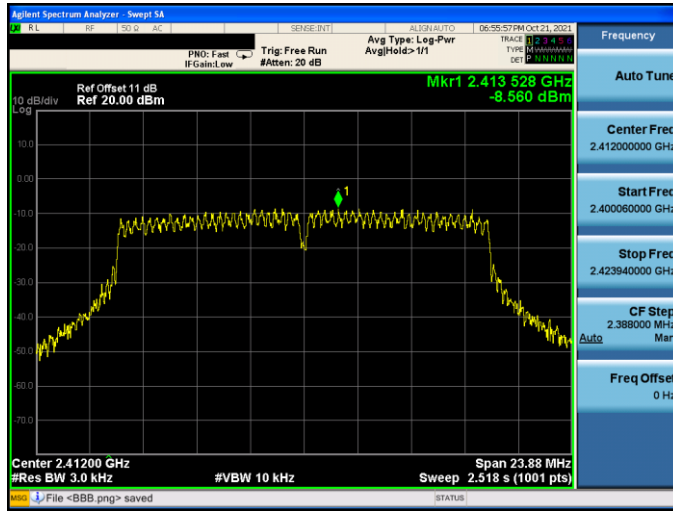


2452 MHz

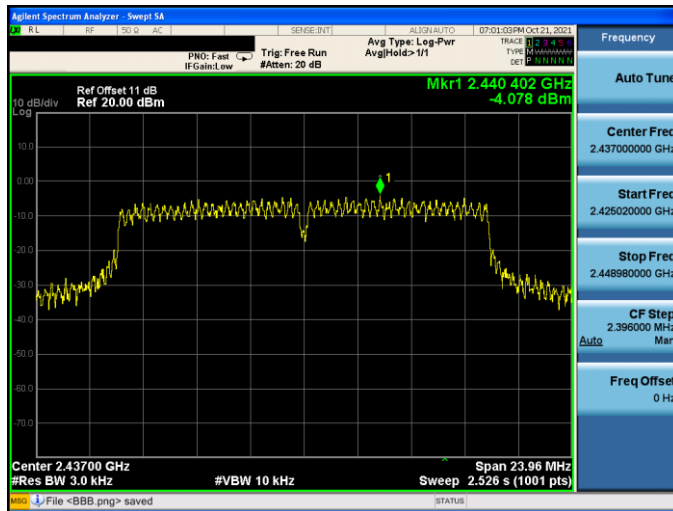


Mode 3: IEEE 802.11g Continuous TX mode_ANT-2

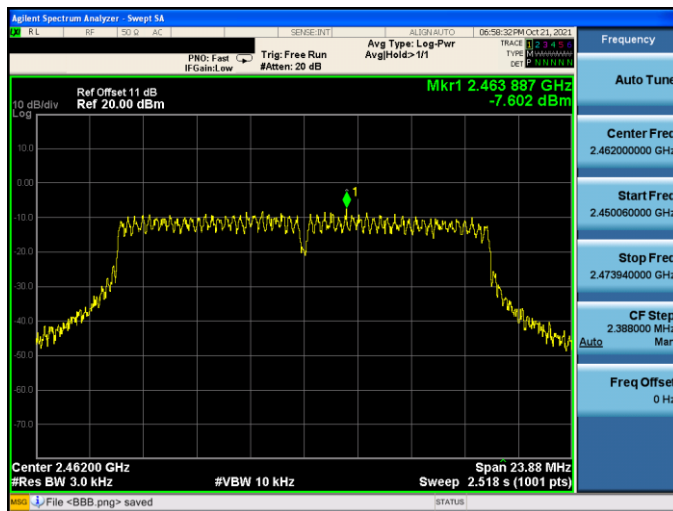
2412 MHz



2437 MHz

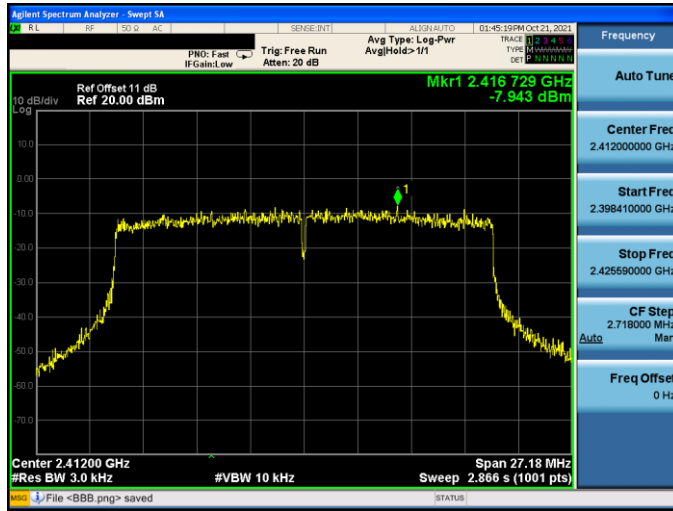


2462 MHz

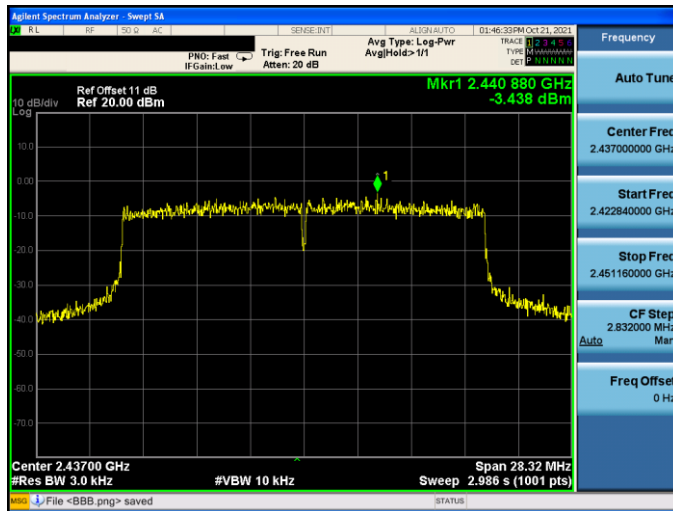


Mode 8: IEEE 802.11ax 2.4 GHz 20 MHz Continuous TX mode_ANT-2

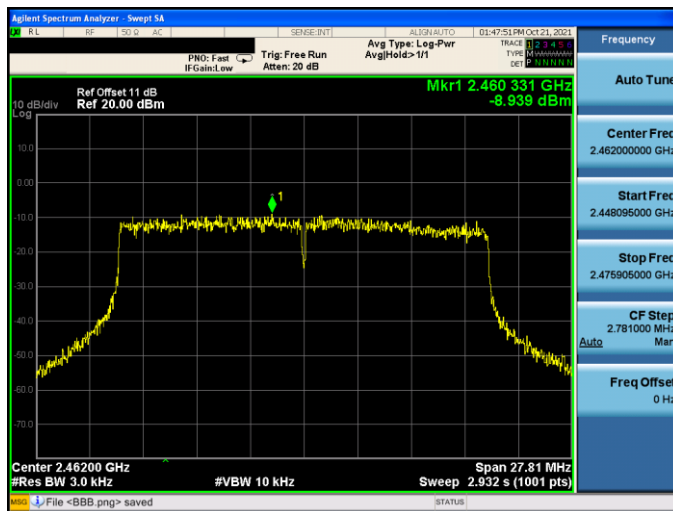
2412 MHz



2437 MHz

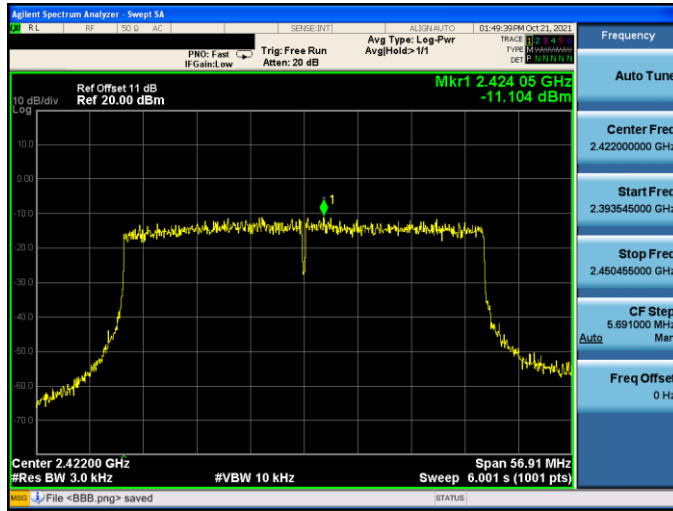


2462 MHz

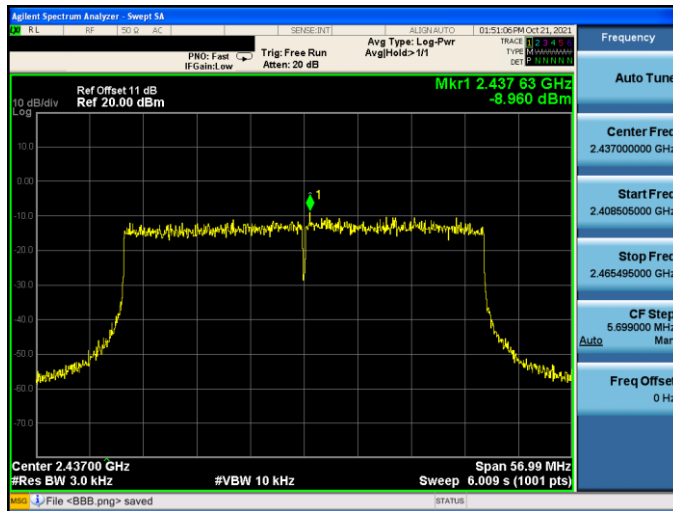


Mode 9: IEEE 802.11ax 2.4 GHz 40 MHz Continuous TX mode_ANT-2

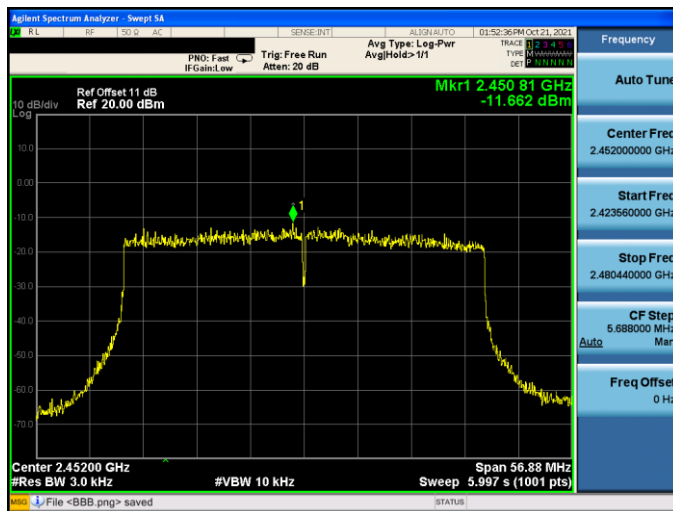
2422 MHz



2437 MHz

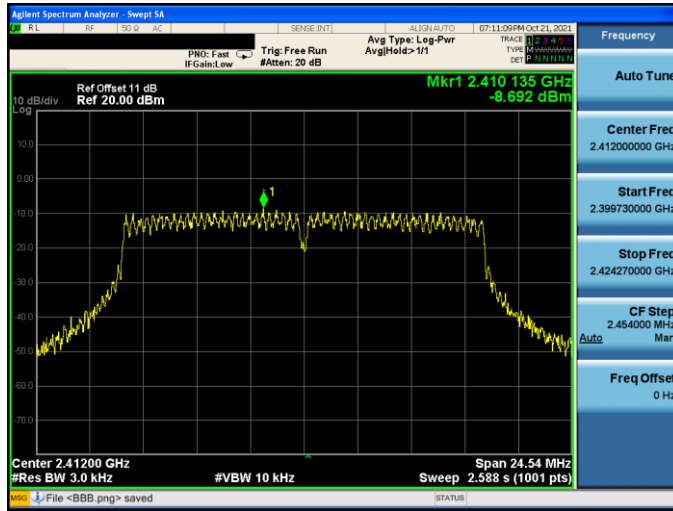


2452 MHz

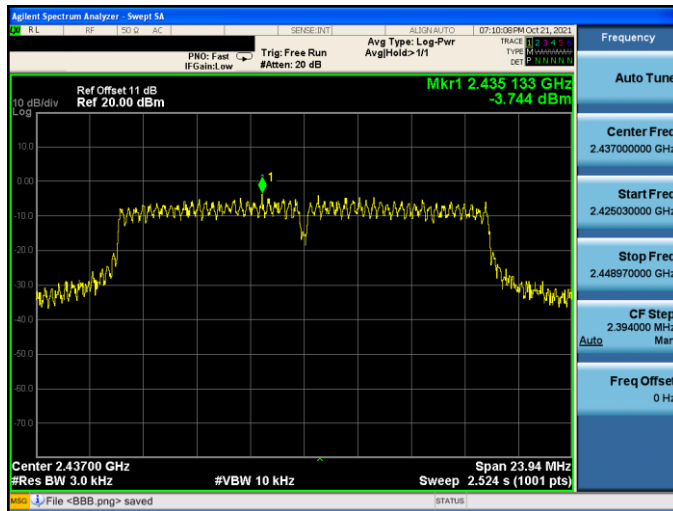


Mode 3: IEEE 802.11g Continuous TX mode_ANT-3

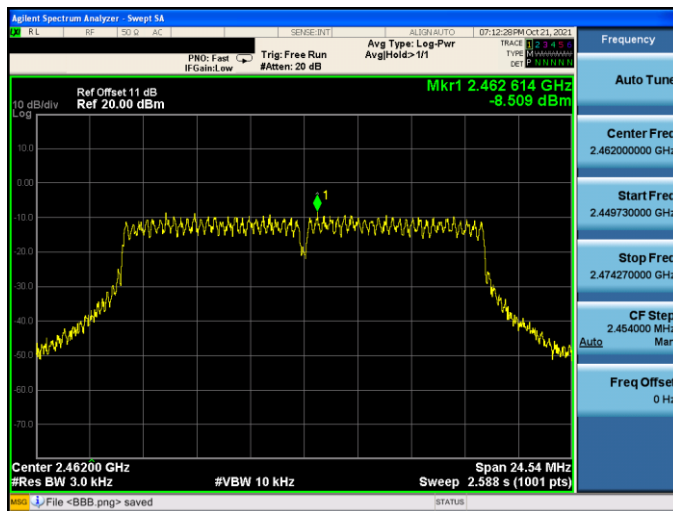
2412 MHz



2437 MHz

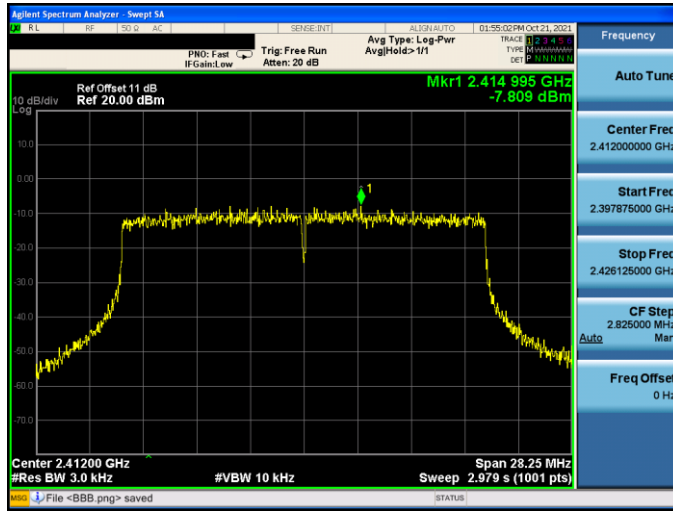


2462 MHz

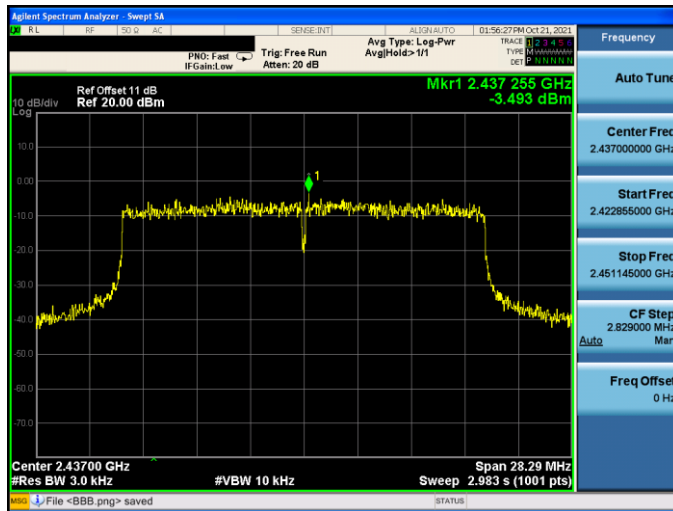


Mode 8: IEEE 802.11ax 2.4 GHz 20 MHz Continuous TX mode_ANT-3

2412 MHz



2437 MHz



2462 MHz

