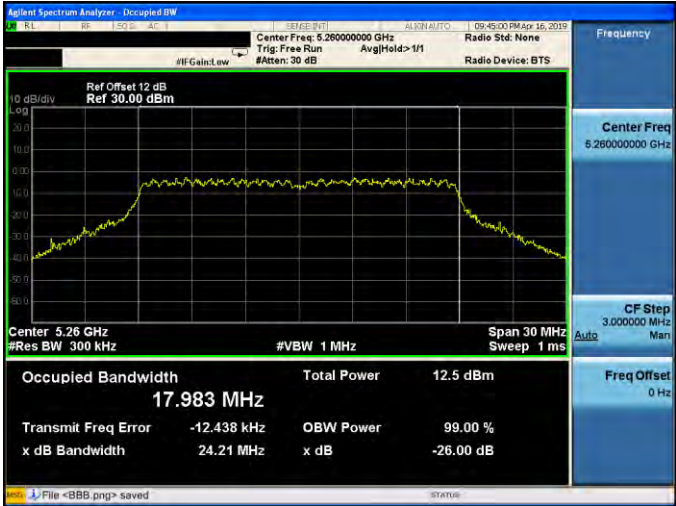
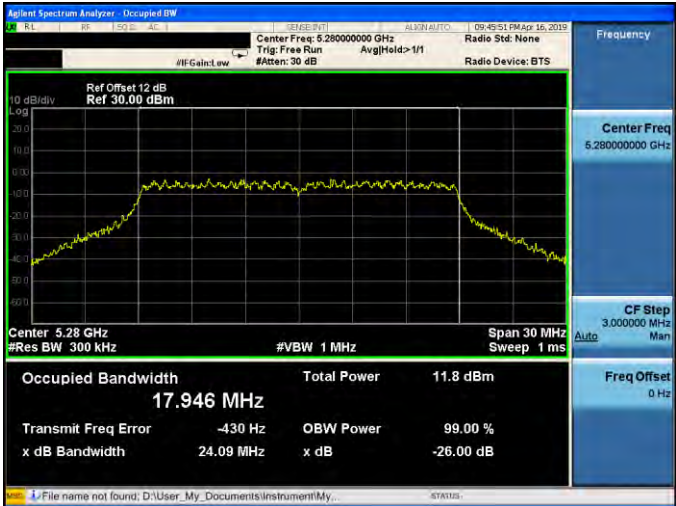
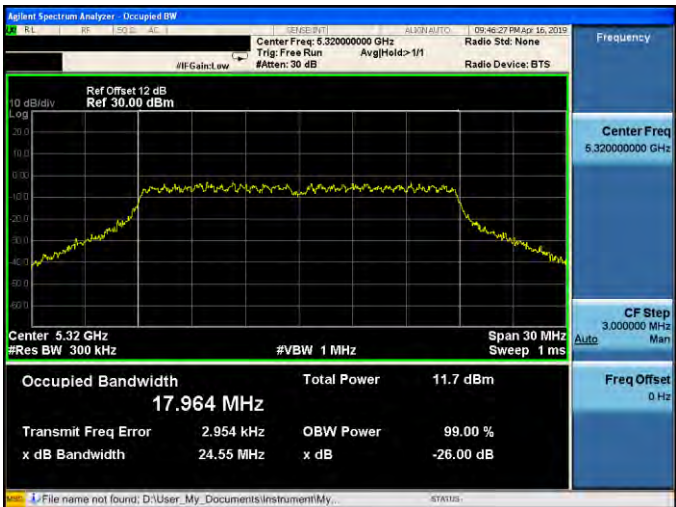
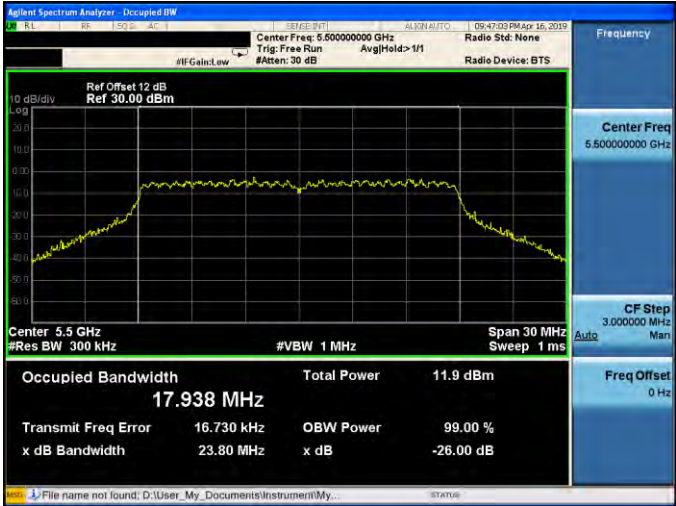
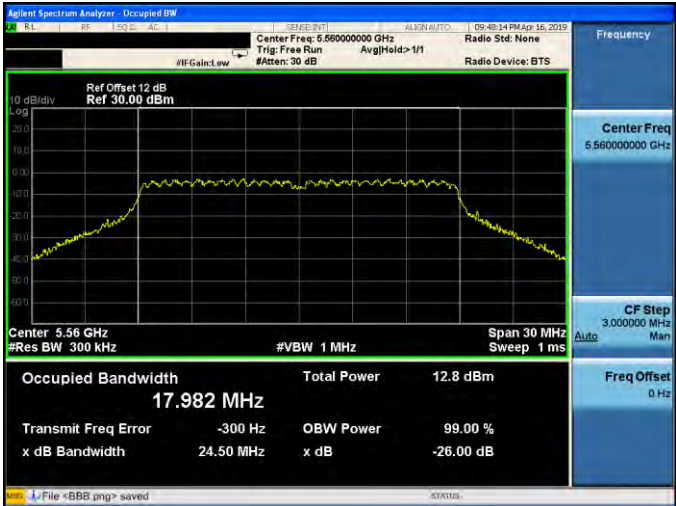
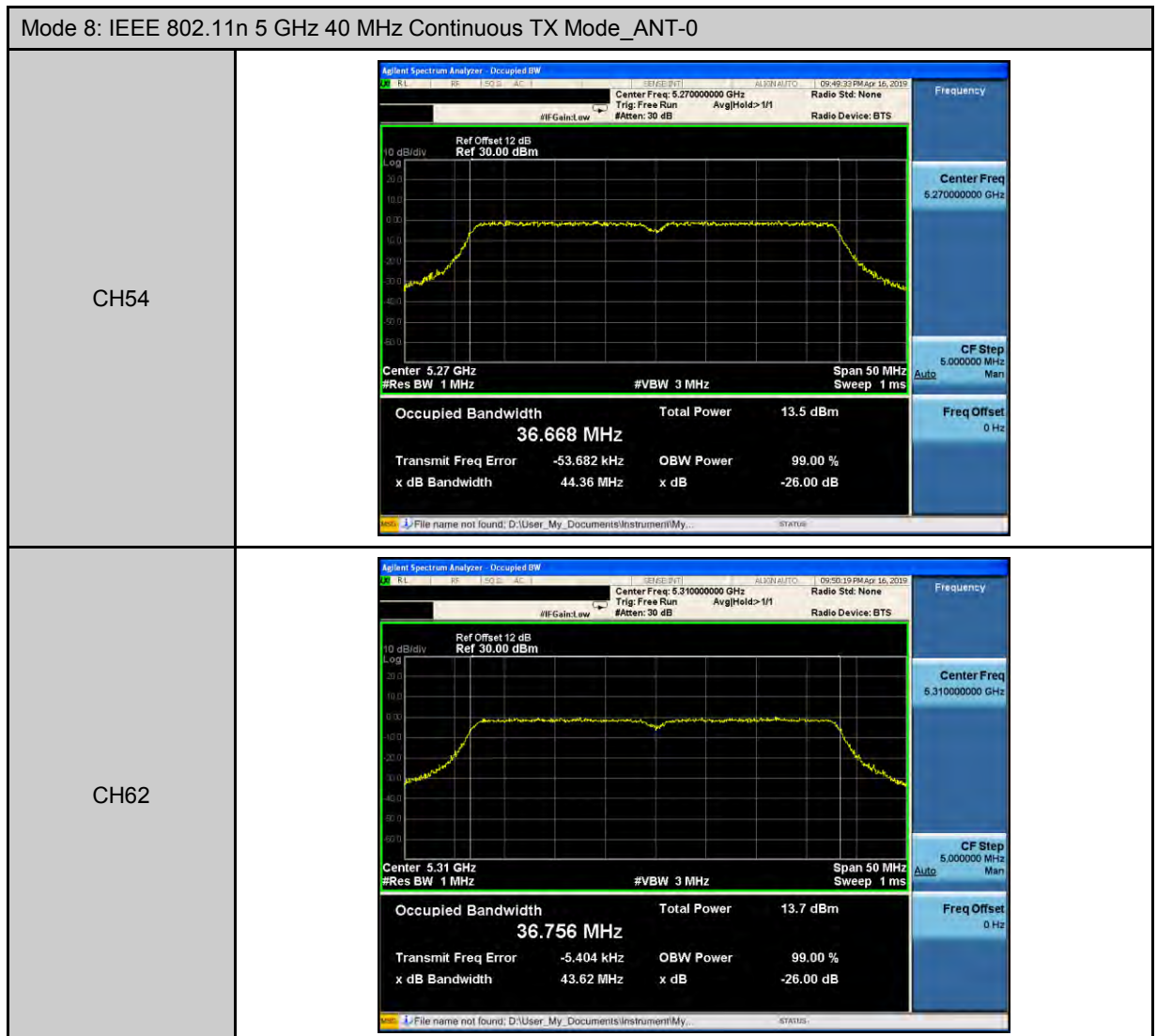
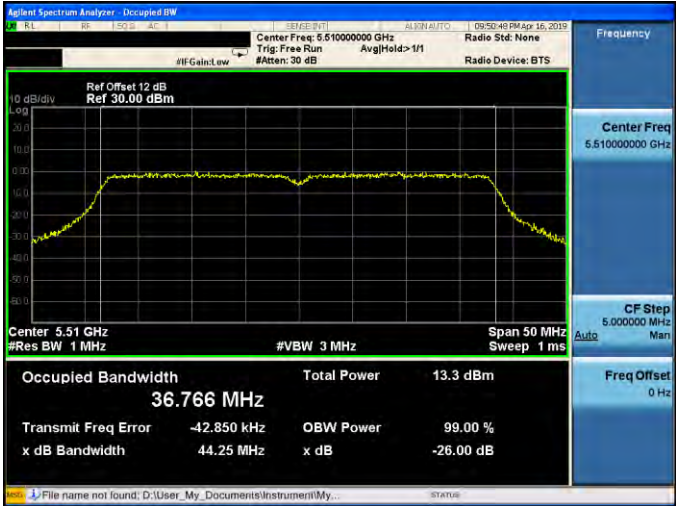
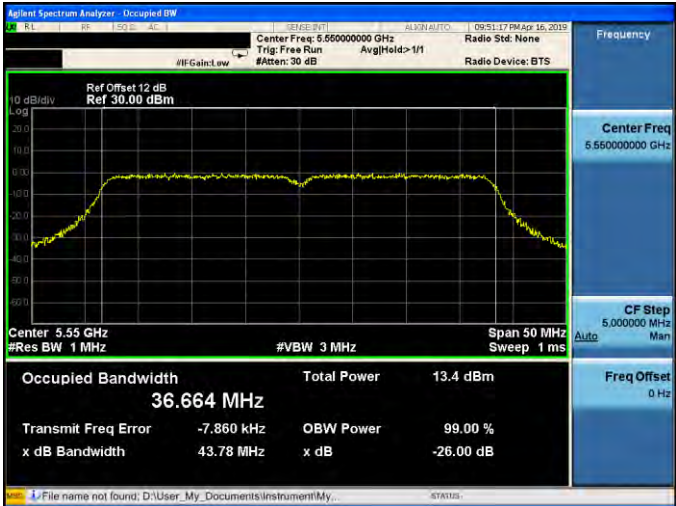
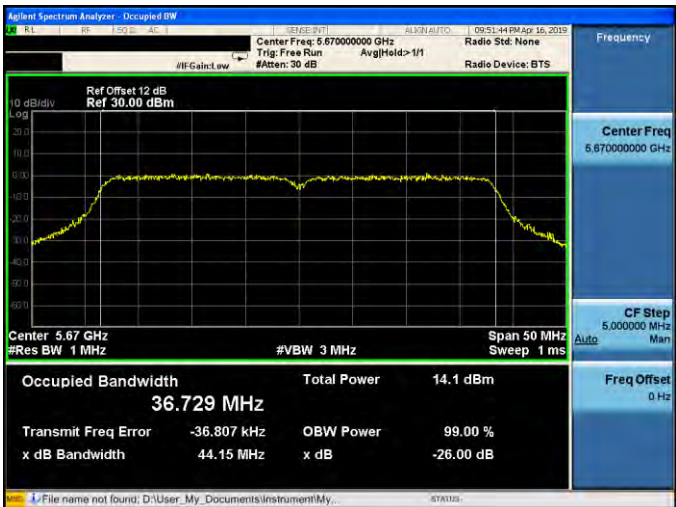
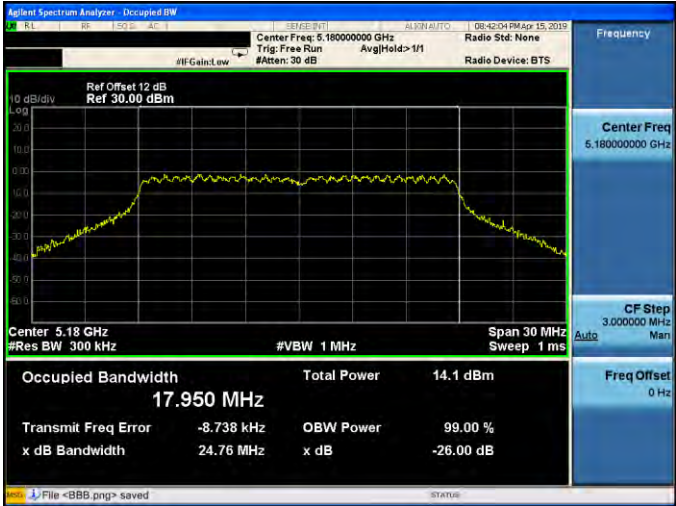
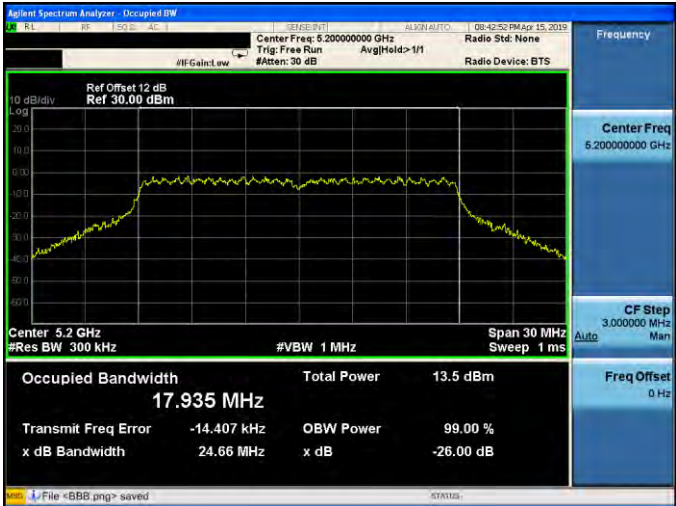


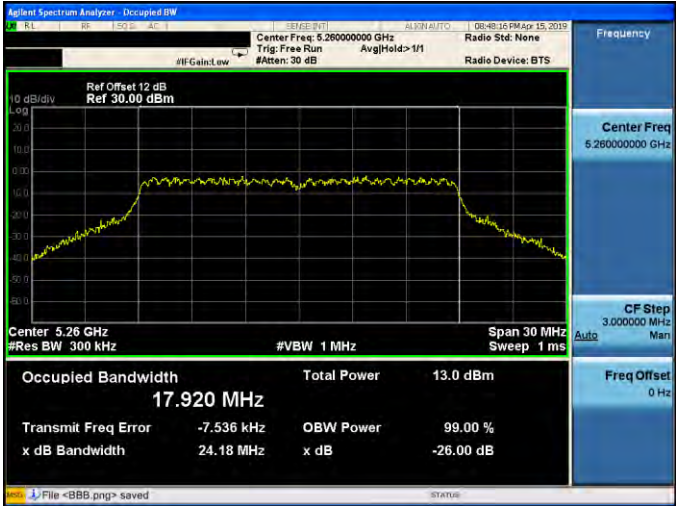
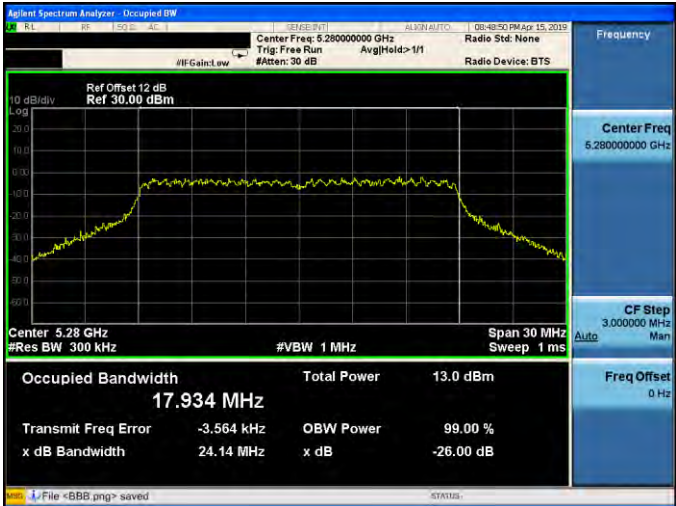
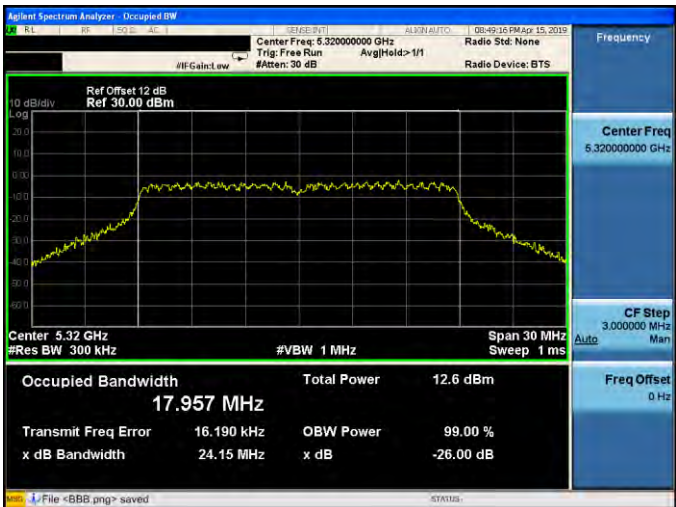
Mode 7: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0	
CH52	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.26000000 GHz, Span: 30 MHz, Res BW: 300 kHz, #VBW: 1 MHz, Sweep: 1 ms</p> <p>Occupied Bandwidth: 17.983 MHz, Total Power: 12.5 dBm</p> <p>Transmit Freq Error: -12.438 kHz, OBW Power: 99.00 %, x dB Bandwidth: 24.21 MHz, x dB: -26.00 dB</p> <p>Center Freq: 5.26000000 GHz, CF Step: 3.000000 MHz, Freq Offset: 0 Hz</p>
CH56	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.28000000 GHz, Span: 30 MHz, Res BW: 300 kHz, #VBW: 1 MHz, Sweep: 1 ms</p> <p>Occupied Bandwidth: 17.946 MHz, Total Power: 11.8 dBm</p> <p>Transmit Freq Error: -430 Hz, OBW Power: 99.00 %, x dB Bandwidth: 24.09 MHz, x dB: -26.00 dB</p> <p>Center Freq: 5.28000000 GHz, CF Step: 3.000000 MHz, Freq Offset: 0 Hz</p>
CH64	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.32000000 GHz, Span: 30 MHz, Res BW: 300 kHz, #VBW: 1 MHz, Sweep: 1 ms</p> <p>Occupied Bandwidth: 17.964 MHz, Total Power: 11.7 dBm</p> <p>Transmit Freq Error: 2.954 kHz, OBW Power: 99.00 %, x dB Bandwidth: 24.55 MHz, x dB: -26.00 dB</p> <p>Center Freq: 5.32000000 GHz, CF Step: 3.000000 MHz, Freq Offset: 0 Hz</p>

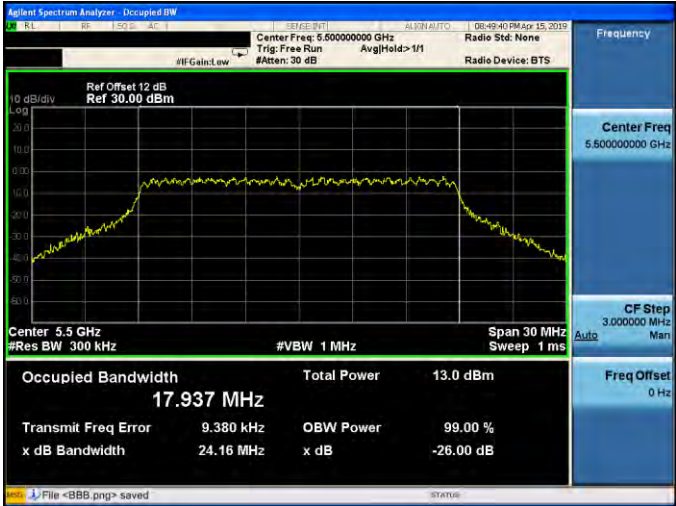
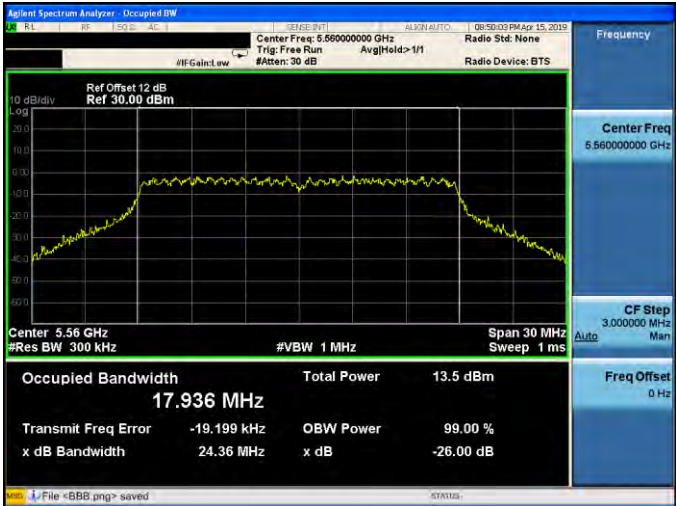
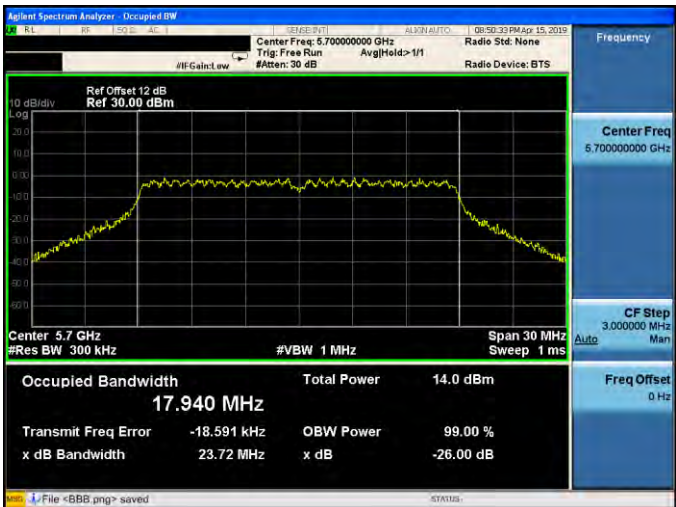
Mode 7: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0	
CH100	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.50000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.5 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.938 MHz Total Power 11.9 dBm</p> <p>Transmit Freq Error 16.730 kHz OBW Power 99.00 % x dB Bandwidth 23.80 MHz x dB -26.00 dB</p> <p>Center Freq 5.50000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
CH112	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.56000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.56 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.982 MHz Total Power 12.8 dBm</p> <p>Transmit Freq Error -300 Hz OBW Power 99.00 % x dB Bandwidth 24.50 MHz x dB -26.00 dB</p> <p>Center Freq 5.56000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
CH140	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.70000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.7 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.939 MHz Total Power 13.2 dBm</p> <p>Transmit Freq Error -27.027 kHz OBW Power 99.00 % x dB Bandwidth 24.04 MHz x dB -26.00 dB</p> <p>Center Freq 5.70000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>

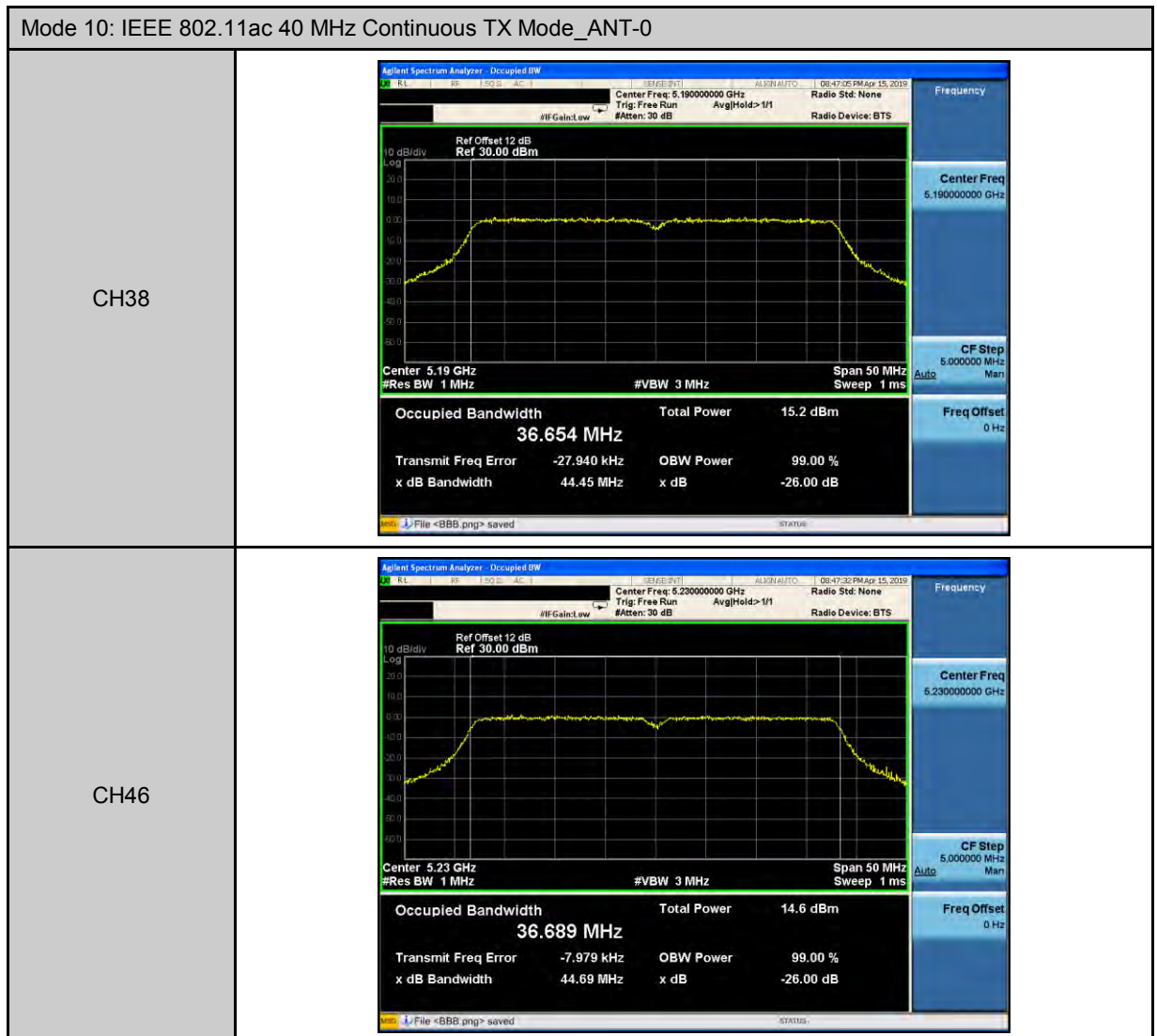


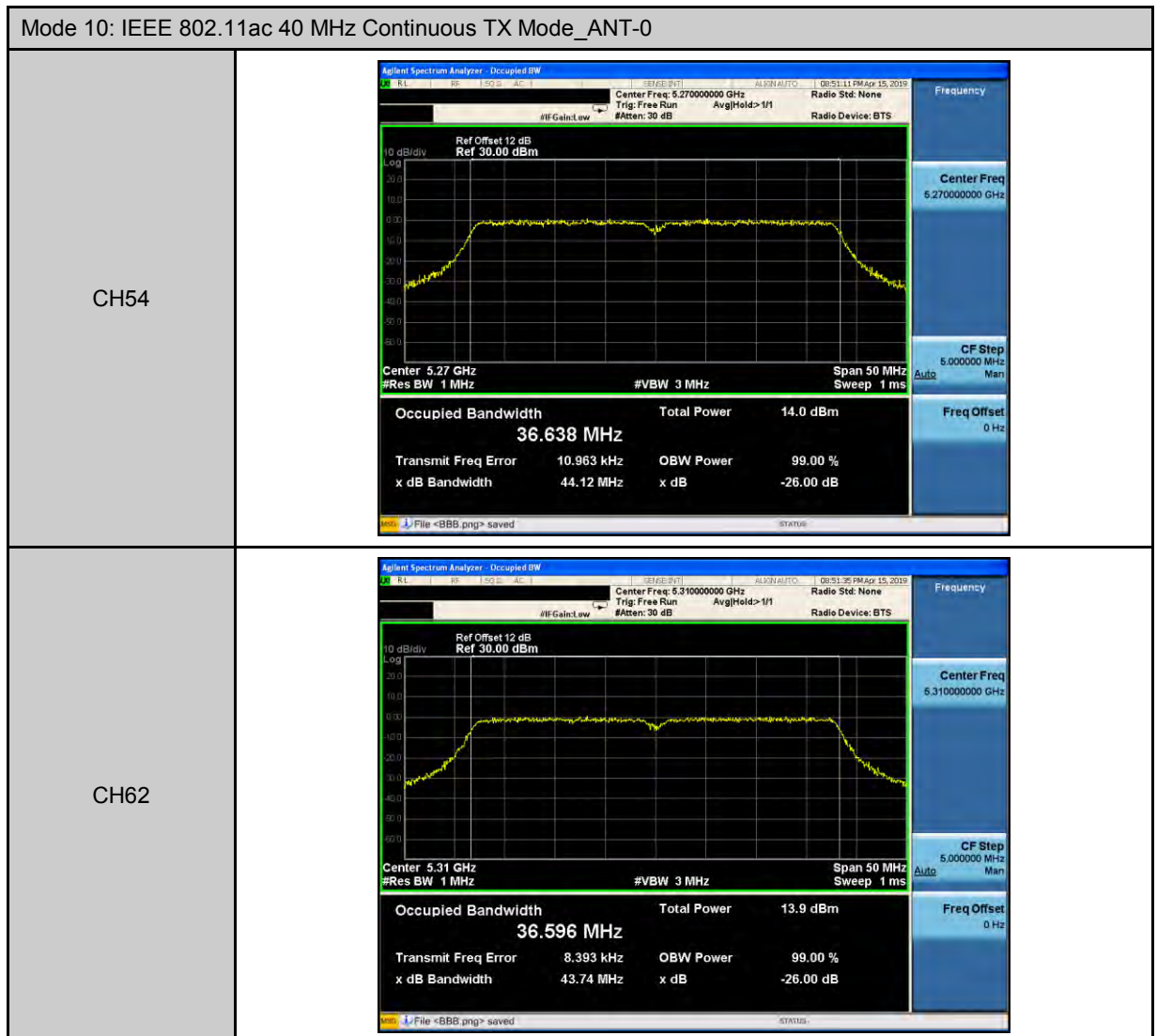
Mode 8: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0	
CH102	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.51000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset: 12 dB</p> <p>Ref: 30.00 dBm</p> <p>Center: 5.51 GHz</p> <p>#Res BW: 1 MHz</p> <p>#VBW: 3 MHz</p> <p>Span: 50 MHz</p> <p>Sweep: 1 ms</p> <p>Occupied Bandwidth: 36.766 MHz</p> <p>Total Power: 13.3 dBm</p> <p>Transmit Freq Error: -42.850 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 44.25 MHz</p> <p>x dB: -26.00 dB</p> <p>Center Freq: 5.51000000 GHz</p> <p>CF Step: 5.000000 MHz</p> <p>Freq Offset: 0 Hz</p>
CH110	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.55000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset: 12 dB</p> <p>Ref: 30.00 dBm</p> <p>Center: 5.55 GHz</p> <p>#Res BW: 1 MHz</p> <p>#VBW: 3 MHz</p> <p>Span: 50 MHz</p> <p>Sweep: 1 ms</p> <p>Occupied Bandwidth: 36.664 MHz</p> <p>Total Power: 13.4 dBm</p> <p>Transmit Freq Error: -7.860 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 43.78 MHz</p> <p>x dB: -26.00 dB</p> <p>Center Freq: 5.55000000 GHz</p> <p>CF Step: 5.000000 MHz</p> <p>Freq Offset: 0 Hz</p>
CH134	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.67000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset: 12 dB</p> <p>Ref: 30.00 dBm</p> <p>Center: 5.67 GHz</p> <p>#Res BW: 1 MHz</p> <p>#VBW: 3 MHz</p> <p>Span: 50 MHz</p> <p>Sweep: 1 ms</p> <p>Occupied Bandwidth: 36.729 MHz</p> <p>Total Power: 14.1 dBm</p> <p>Transmit Freq Error: -36.807 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 44.15 MHz</p> <p>x dB: -26.00 dB</p> <p>Center Freq: 5.67000000 GHz</p> <p>CF Step: 5.000000 MHz</p> <p>Freq Offset: 0 Hz</p>

Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0	
CH36	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.180000000 GHz Trig: Free Run Avg/Hold: > 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.18 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.950 MHz Total Power 14.1 dBm Transmit Freq Error -8.738 kHz OBW Power 99.00 % x dB Bandwidth 24.76 MHz x dB -26.00 dB</p> <p>Center Freq 5.180000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p> <p>File <BBB.png> saved</p>
CH40	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.200000000 GHz Trig: Free Run Avg/Hold: > 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.2 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.935 MHz Total Power 13.5 dBm Transmit Freq Error -14.407 kHz OBW Power 99.00 % x dB Bandwidth 24.66 MHz x dB -26.00 dB</p> <p>Center Freq 5.200000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p> <p>File <BBB.png> saved</p>
CH48	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.240000000 GHz Trig: Free Run Avg/Hold: > 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.24 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.969 MHz Total Power 13.2 dBm Transmit Freq Error -10.128 kHz OBW Power 99.00 % x dB Bandwidth 24.61 MHz x dB -26.00 dB</p> <p>Center Freq 5.240000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p> <p>File <BBB.png> saved</p>

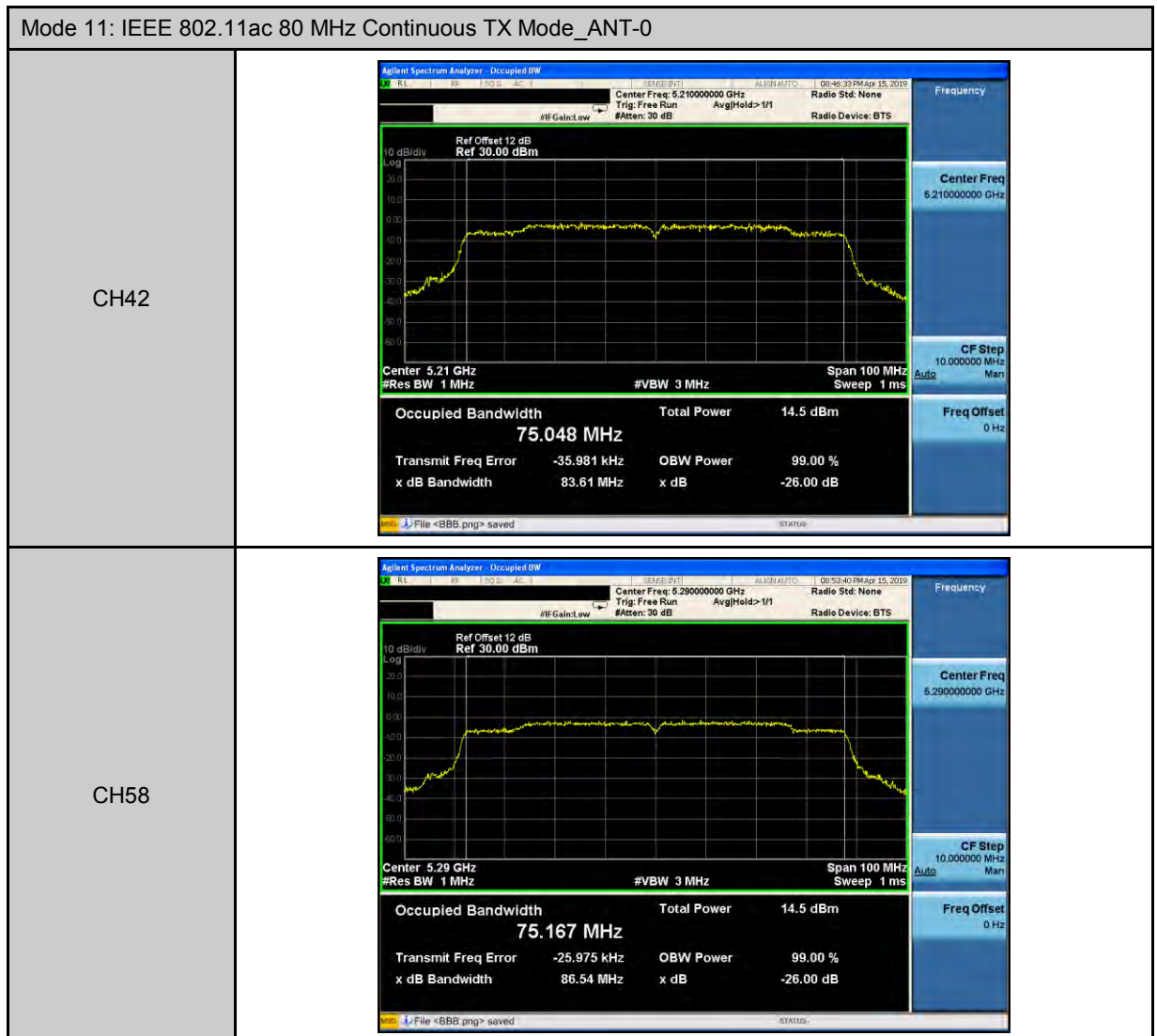
Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0	
CH52	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.26000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.26 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.920 MHz Total Power 13.0 dBm Transmit Freq Error -7.536 kHz OBW Power 99.00 % x dB Bandwidth 24.18 MHz x dB -26.00 dB</p> <p>Center Freq 5.26000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
CH56	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.28000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.28 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.934 MHz Total Power 13.0 dBm Transmit Freq Error -3.564 kHz OBW Power 99.00 % x dB Bandwidth 24.14 MHz x dB -26.00 dB</p> <p>Center Freq 5.28000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
CH64	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.32000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.32 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.957 MHz Total Power 12.6 dBm Transmit Freq Error 16.190 kHz OBW Power 99.00 % x dB Bandwidth 24.15 MHz x dB -26.00 dB</p> <p>Center Freq 5.32000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>

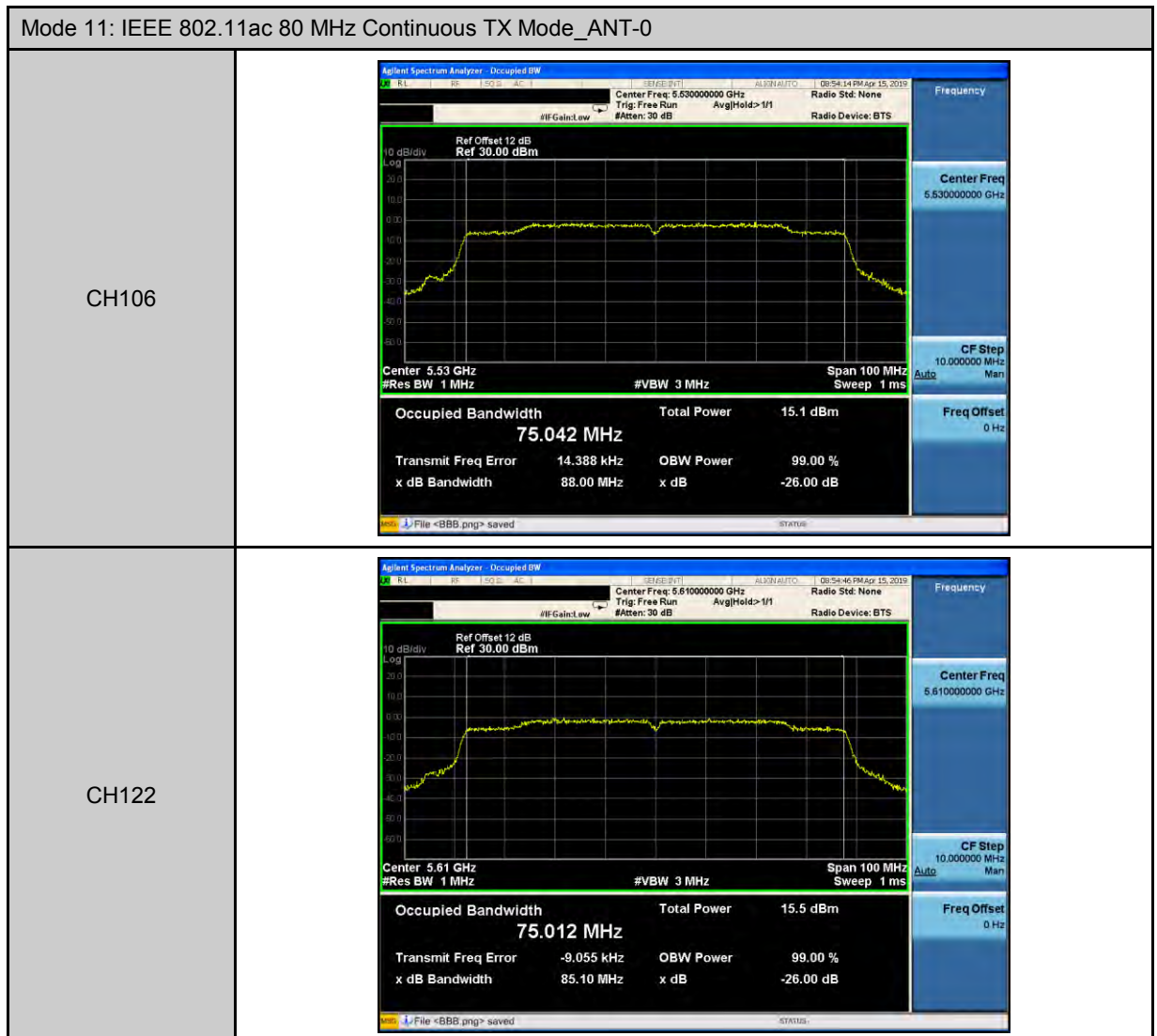
Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0	
CH100	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.50000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.5 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.937 MHz Total Power 13.0 dBm</p> <p>Transmit Freq Error 9.380 kHz OBW Power 99.00 % x dB Bandwidth 24.16 MHz x dB -26.00 dB</p> <p>Center Freq 5.50000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
CH112	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.56000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.56 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.936 MHz Total Power 13.5 dBm</p> <p>Transmit Freq Error -19.199 kHz OBW Power 99.00 % x dB Bandwidth 24.36 MHz x dB -26.00 dB</p> <p>Center Freq 5.56000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>
CH140	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.70000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.7 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 17.940 MHz Total Power 14.0 dBm</p> <p>Transmit Freq Error -18.591 kHz OBW Power 99.00 % x dB Bandwidth 23.72 MHz x dB -26.00 dB</p> <p>Center Freq 5.70000000 GHz CF Step 3.000000 MHz Freq Offset 0 Hz</p>

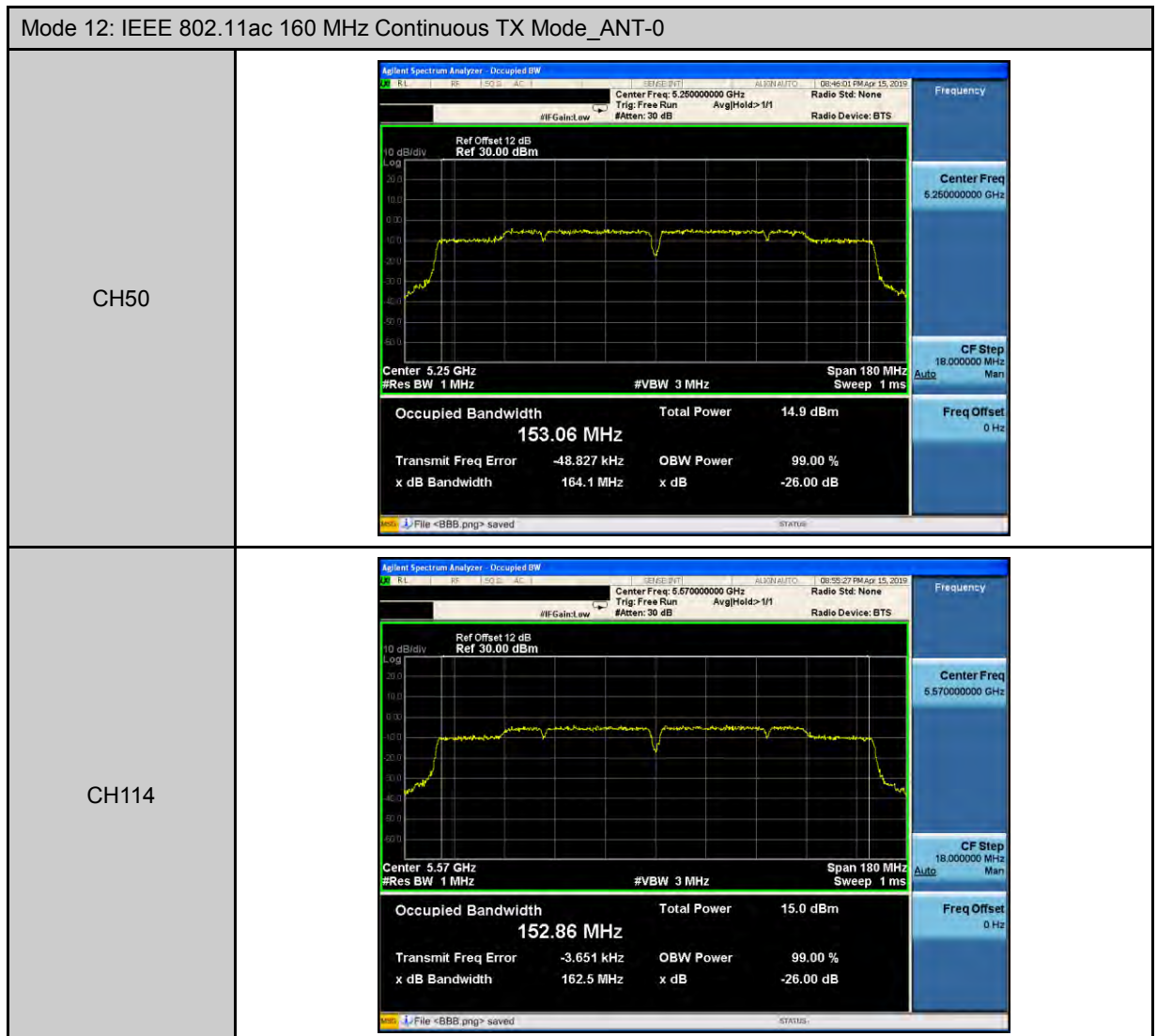




Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-0	
CH102	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.51000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.51 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 36.677 MHz Total Power 14.4 dBm Transmit Freq Error 10.932 kHz OBW Power 99.00 % x dB Bandwidth 44.71 MHz x dB -26.00 dB</p> <p>File <BBB.png> saved</p>
CH110	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.55000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.55 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 36.673 MHz Total Power 15.0 dBm Transmit Freq Error -2.806 kHz OBW Power 99.00 % x dB Bandwidth 44.09 MHz x dB -26.00 dB</p> <p>File <BBB.png> saved</p>
CH134	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.67000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.67 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 36.751 MHz Total Power 15.5 dBm Transmit Freq Error -29.065 kHz OBW Power 99.00 % x dB Bandwidth 44.53 MHz x dB -26.00 dB</p> <p>File <BBB.png> saved</p>





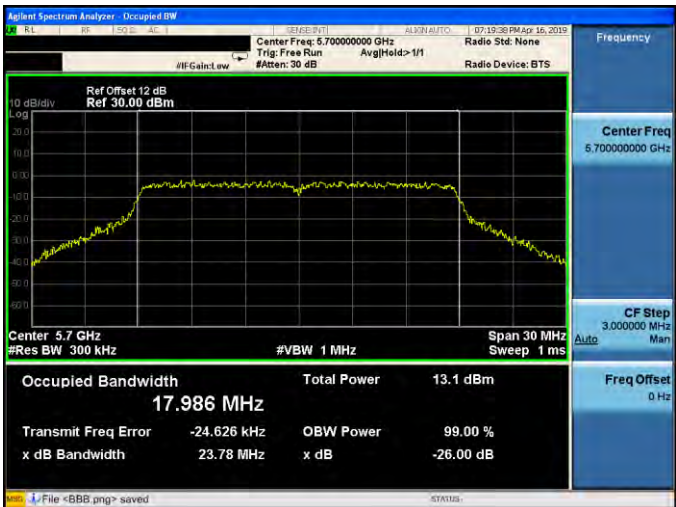


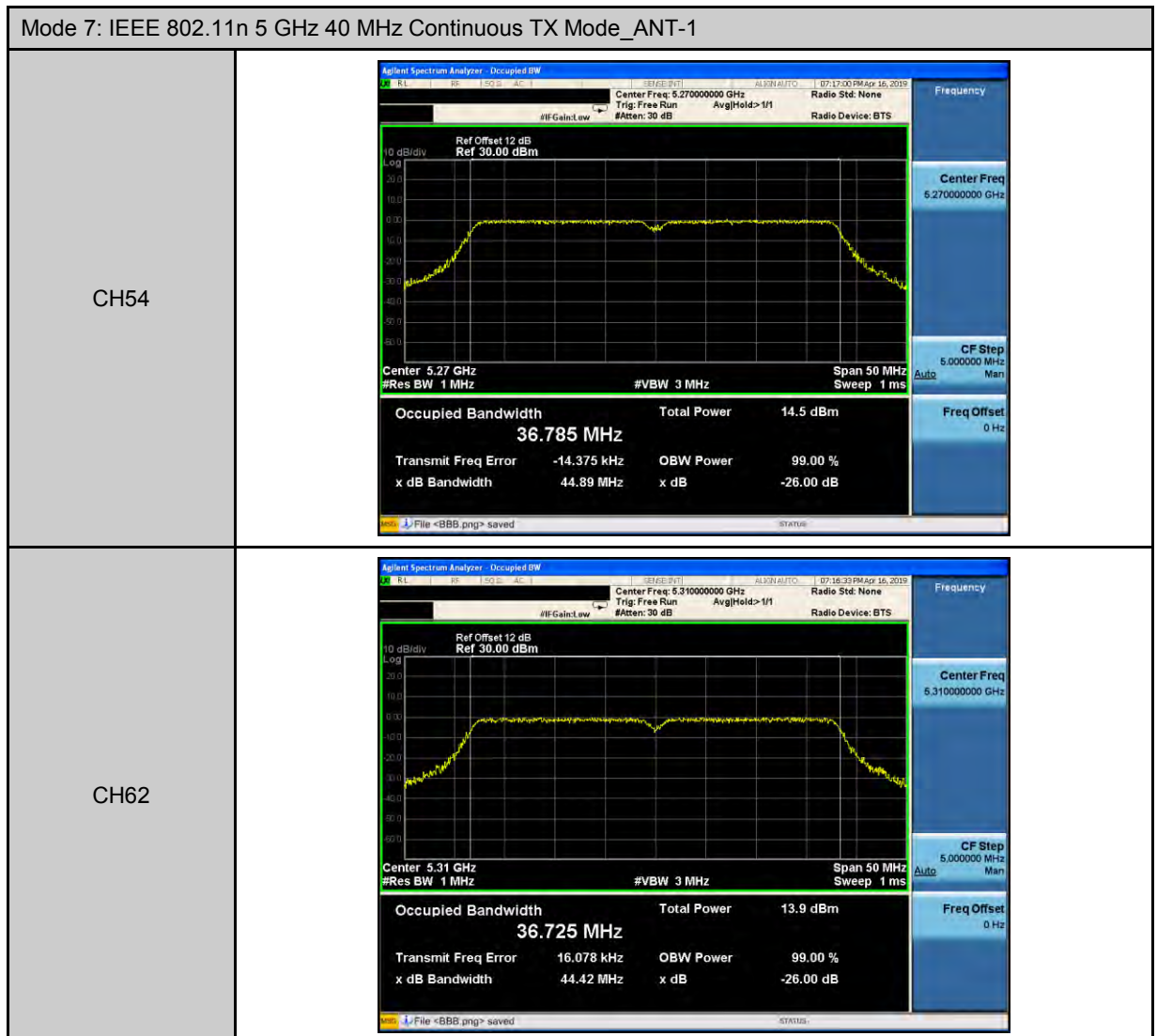


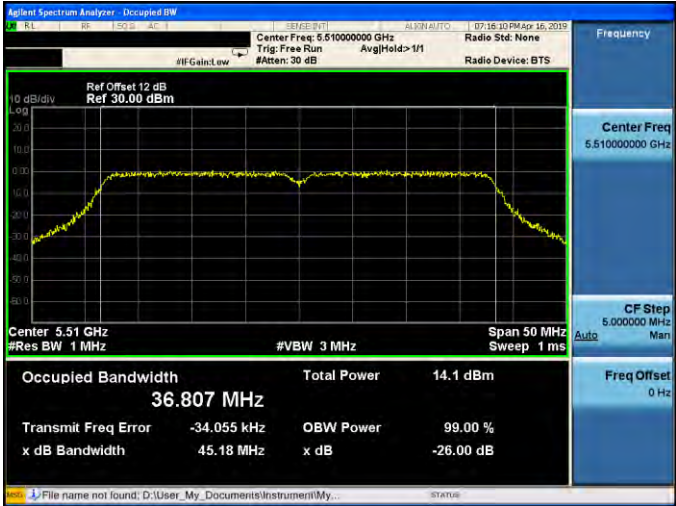
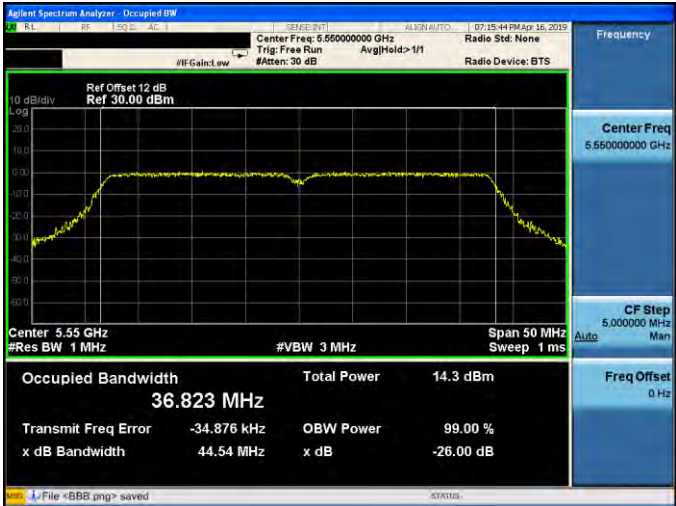


Mode 6: IEEE 802.11a Continuous TX Mode_ANT-1	
CH100	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.500000000 GHz Trig: Free Run Avg/Hold: > 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.5 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 16.976 MHz Total Power 16.0 dBm Transmit Freq Error -8.303 kHz OBW Power 99.00 % x dB Bandwidth 24.22 MHz x dB -26.00 dB</p> <p>File <BBB.png> saved</p>
CH112	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.560000000 GHz Trig: Free Run Avg/Hold: > 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.56 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 16.950 MHz Total Power 16.5 dBm Transmit Freq Error -6.993 kHz OBW Power 99.00 % x dB Bandwidth 24.65 MHz x dB -26.00 dB</p> <p>File <BBB.png> saved</p>
CH140	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.700000000 GHz Trig: Free Run Avg/Hold: > 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.7 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 16.987 MHz Total Power 17.2 dBm Transmit Freq Error -31.790 kHz OBW Power 99.00 % x dB Bandwidth 24.05 MHz x dB -26.00 dB</p> <p>File <BBB.png> saved</p>

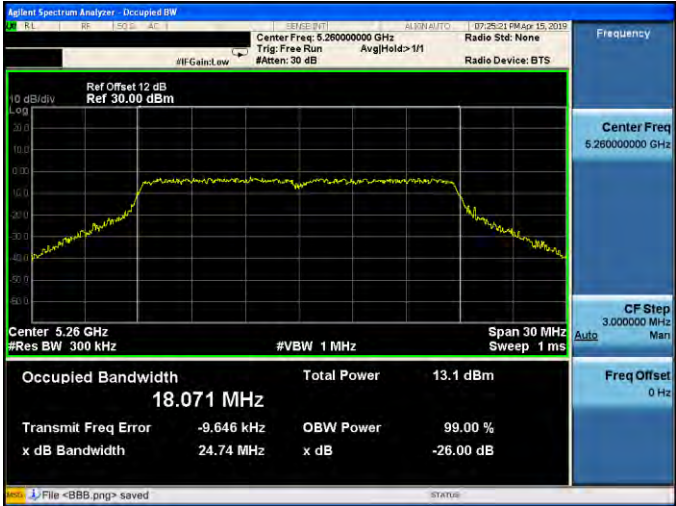
Mode 6: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1	
CH52	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.26000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 12 dB</p> <p>Ref 30.00 dBm</p> <p>Center 5.26 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 17.992 MHz</p> <p>Total Power 13.1 dBm</p> <p>Transmit Freq Error -40.757 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 24.76 MHz</p> <p>x dB -26.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>
CH56	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.28000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 12 dB</p> <p>Ref 30.00 dBm</p> <p>Center 5.28 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 18.011 MHz</p> <p>Total Power 12.6 dBm</p> <p>Transmit Freq Error -6.987 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 24.75 MHz</p> <p>x dB -26.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>
CH64	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.32000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 12 dB</p> <p>Ref 30.00 dBm</p> <p>Center 5.32 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 18.053 MHz</p> <p>Total Power 12.7 dBm</p> <p>Transmit Freq Error 11.219 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 24.62 MHz</p> <p>x dB -26.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>

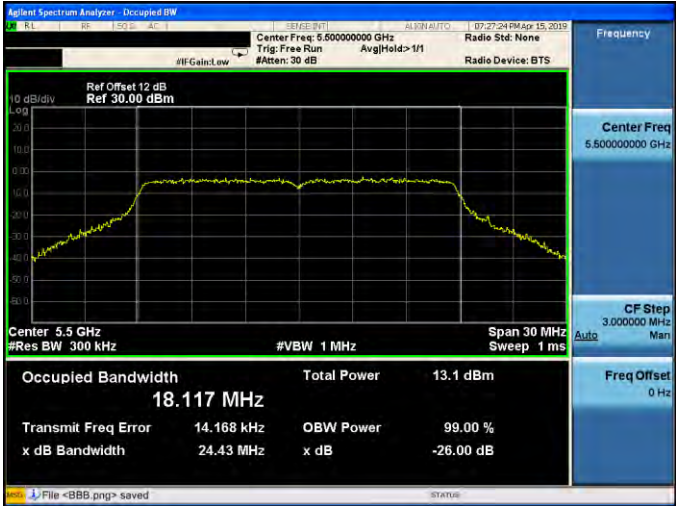
Mode 6: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1	
CH100	
CH112	
CH140	

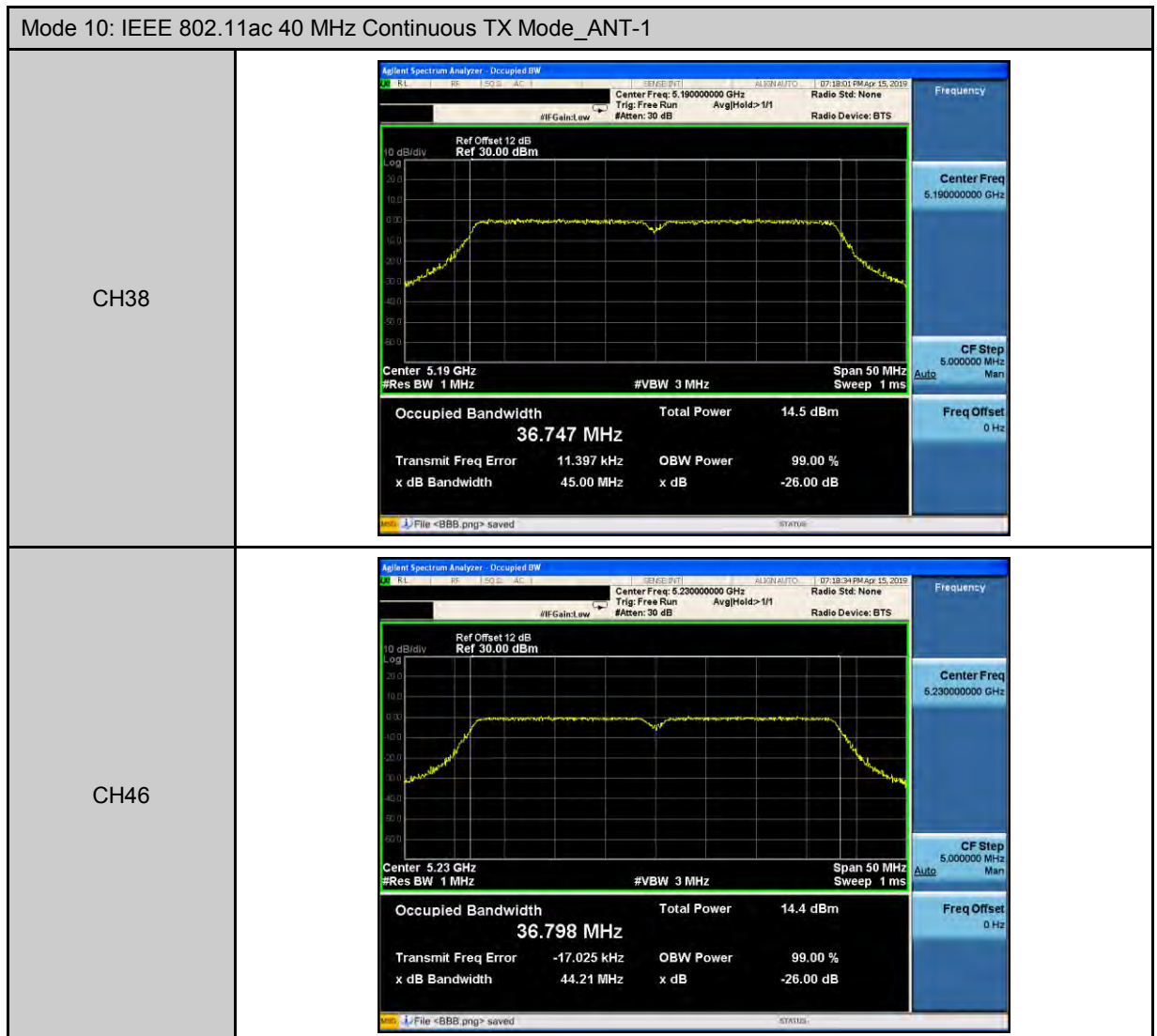


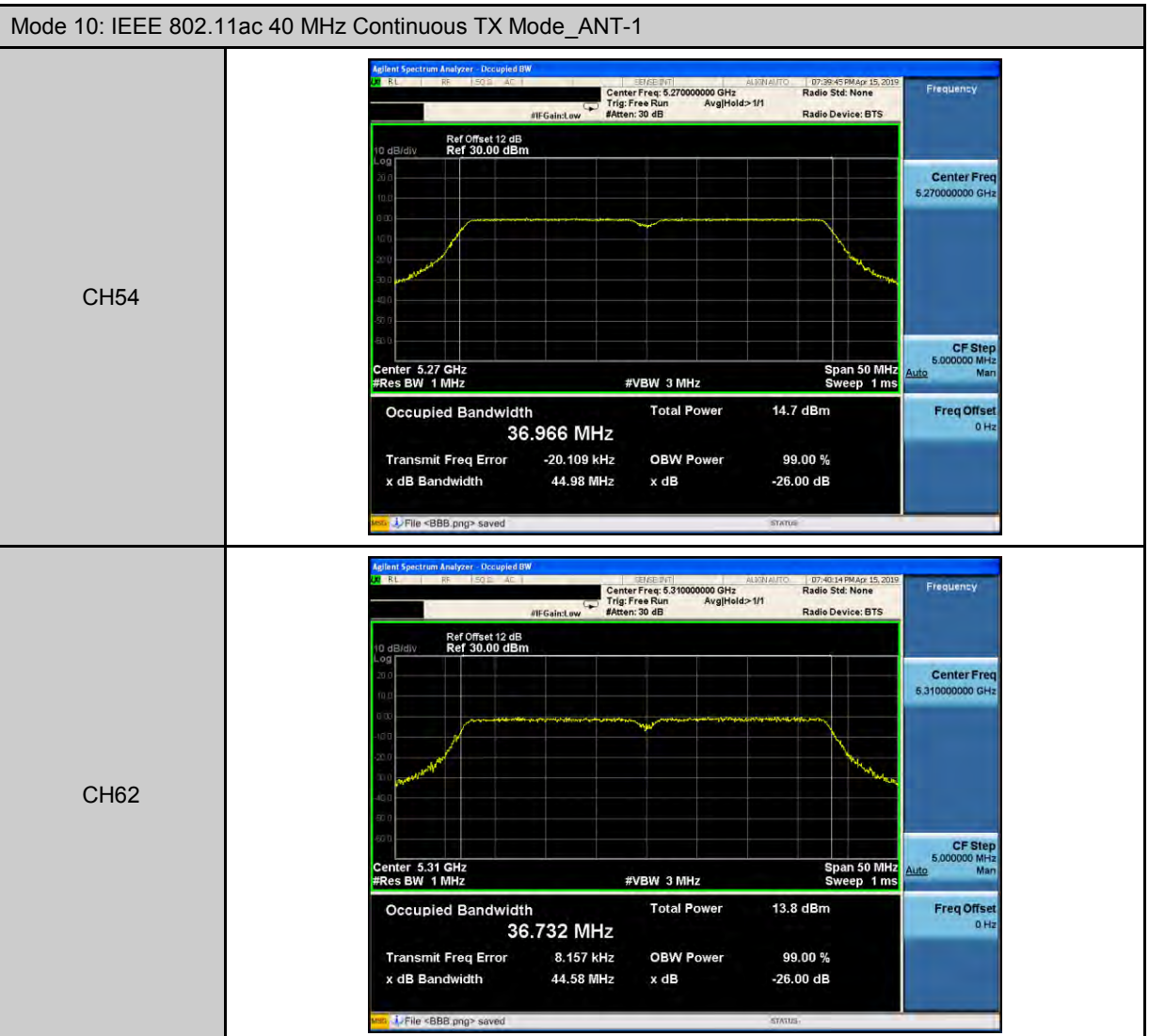
Mode 7: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-1	
CH102	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.51000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Center 5.51 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 36.807 MHz Total Power 14.1 dBm Transmit Freq Error -34.055 kHz OBW Power 99.00 % x dB Bandwidth 45.18 MHz x dB -26.00 dB</p> <p>Frequency Center Freq 5.51000000 GHz CF Step 5.000000 MHz Freq Offset 0 Hz</p> <p>File name not found: D:\User_My_Documents\instrument\My...</p>
CH110	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.55000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Center 5.55 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 36.823 MHz Total Power 14.3 dBm Transmit Freq Error -34.876 kHz OBW Power 99.00 % x dB Bandwidth 44.54 MHz x dB -26.00 dB</p> <p>Frequency Center Freq 5.55000000 GHz CF Step 5.000000 MHz Freq Offset 0 Hz</p> <p>File <BBB.png> saved</p>
CH134	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.67000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Center 5.67 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 36.851 MHz Total Power 15.0 dBm Transmit Freq Error -4.734 kHz OBW Power 99.00 % x dB Bandwidth 45.43 MHz x dB -26.00 dB</p> <p>Frequency Center Freq 5.67000000 GHz CF Step 5.000000 MHz Freq Offset 0 Hz</p> <p>File name not found: D:\User_My_Documents\instrument\My...</p>

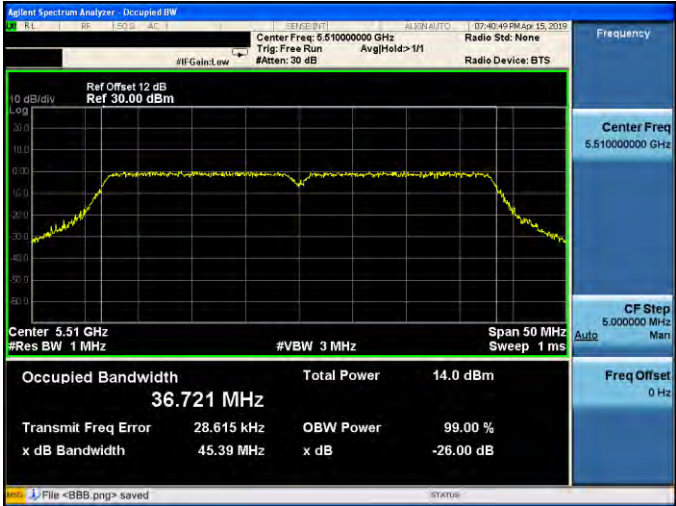
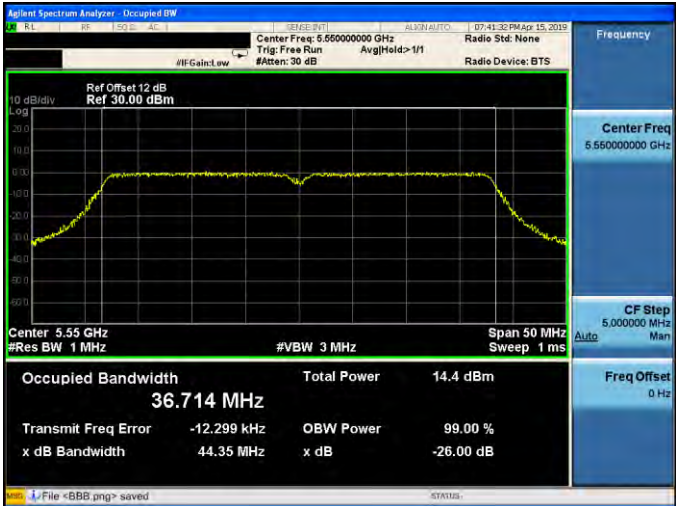
Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1	
CH36	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.180000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Device: BTS</p> <p>Ref Offset: 12 dB</p> <p>Ref: 30.00 dBm</p> <p>Center: 5.18 GHz</p> <p>#Res BW: 300 kHz</p> <p>#VBW: 1 MHz</p> <p>Span: 30 MHz</p> <p>Sweep: 1 ms</p> <p>Occupied Bandwidth: 18.060 MHz</p> <p>Total Power: 13.4 dBm</p> <p>Transmit Freq Error: -8.772 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 24.65 MHz</p> <p>x dB: -26.00 dB</p> <p>Center Freq: 5.180000000 GHz</p> <p>CF Step: 3.000000 MHz</p> <p>Freq Offset: 0 Hz</p> <p>File <BBB.png> saved</p>
CH40	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.200000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Device: BTS</p> <p>Ref Offset: 12 dB</p> <p>Ref: 30.00 dBm</p> <p>Center: 5.2 GHz</p> <p>#Res BW: 300 kHz</p> <p>#VBW: 1 MHz</p> <p>Span: 30 MHz</p> <p>Sweep: 1 ms</p> <p>Occupied Bandwidth: 18.066 MHz</p> <p>Total Power: 13.0 dBm</p> <p>Transmit Freq Error: -23.324 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 24.67 MHz</p> <p>x dB: -26.00 dB</p> <p>Center Freq: 5.200000000 GHz</p> <p>CF Step: 3.000000 MHz</p> <p>Freq Offset: 0 Hz</p> <p>File <BBB.png> saved</p>
CH48	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.240000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Device: BTS</p> <p>Ref Offset: 12 dB</p> <p>Ref: 30.00 dBm</p> <p>Center: 5.24 GHz</p> <p>#Res BW: 300 kHz</p> <p>#VBW: 1 MHz</p> <p>Span: 30 MHz</p> <p>Sweep: 1 ms</p> <p>Occupied Bandwidth: 18.046 MHz</p> <p>Total Power: 12.8 dBm</p> <p>Transmit Freq Error: -9.638 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 24.61 MHz</p> <p>x dB: -26.00 dB</p> <p>Center Freq: 5.240000000 GHz</p> <p>CF Step: 3.000000 MHz</p> <p>Freq Offset: 0 Hz</p> <p>File <BBB.png> saved</p>

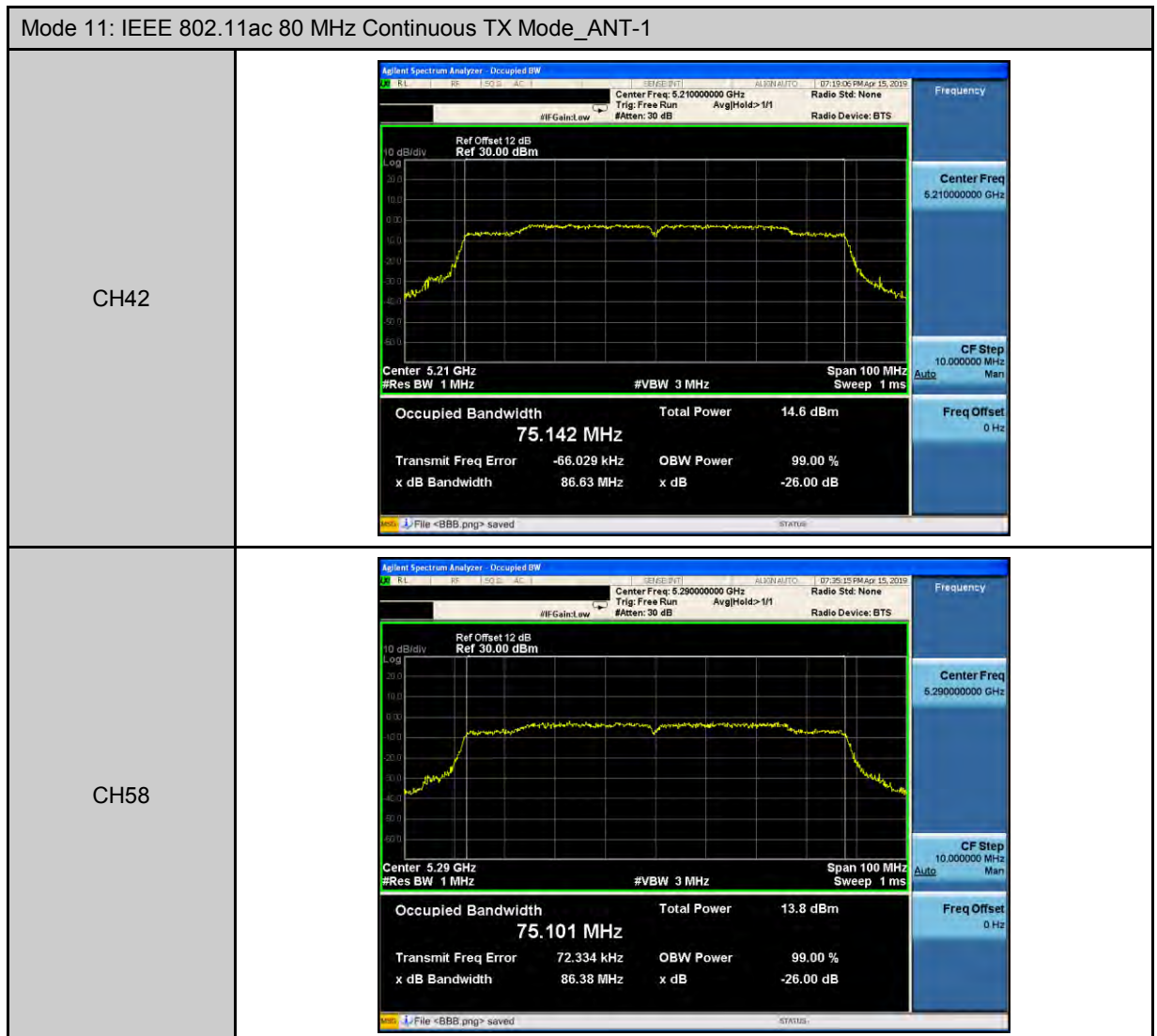
Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1	
CH52	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.26000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 12 dB</p> <p>Ref 30.00 dBm</p> <p>Center 5.26 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 18.071 MHz</p> <p>Total Power 13.1 dBm</p> <p>Transmit Freq Error -9.646 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 24.74 MHz</p> <p>x dB -26.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>
CH56	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.28000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 12 dB</p> <p>Ref 30.00 dBm</p> <p>Center 5.28 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 18.100 MHz</p> <p>Total Power 12.8 dBm</p> <p>Transmit Freq Error -6.919 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 24.52 MHz</p> <p>x dB -26.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>
CH64	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.32000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 12 dB</p> <p>Ref 30.00 dBm</p> <p>Center 5.32 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 30 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth 18.060 MHz</p> <p>Total Power 12.6 dBm</p> <p>Transmit Freq Error 7.996 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 25.40 MHz</p> <p>x dB -26.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>

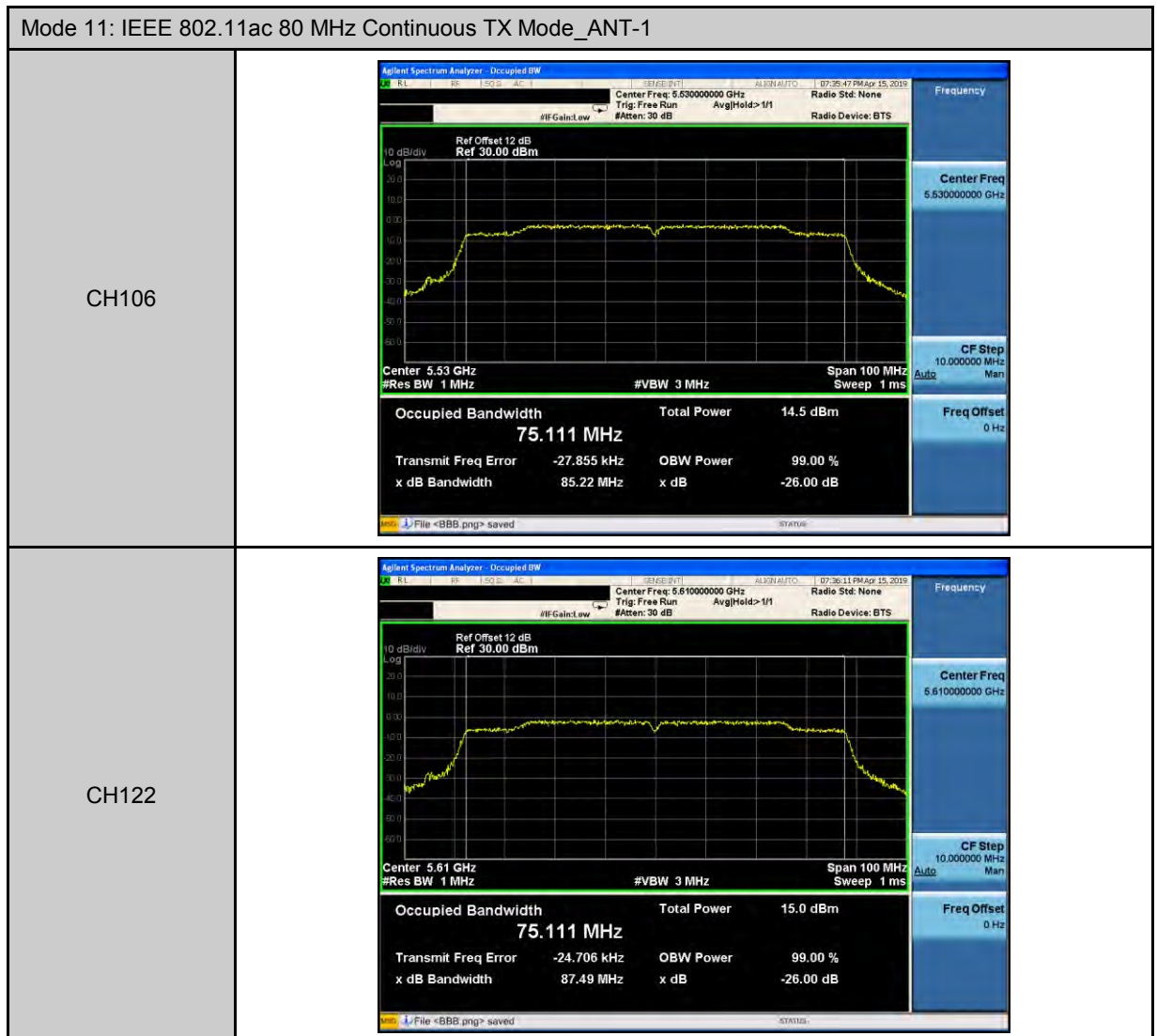
Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1	
CH100	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.500000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.5 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 18.117 MHz Total Power 13.1 dBm Transmit Freq Error 14.168 kHz OBW Power 99.00 % x dB Bandwidth 24.43 MHz x dB -26.00 dB</p> <p>File <BBB.png> saved</p>
CH112	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.560000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.56 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 18.063 MHz Total Power 13.7 dBm Transmit Freq Error -10.951 kHz OBW Power 99.00 % x dB Bandwidth 24.83 MHz x dB -26.00 dB</p> <p>File <BBB.png> saved</p>
CH140	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.700000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.7 GHz #Res BW 300 kHz #VBW 1 MHz Span 30 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 18.018 MHz Total Power 13.7 dBm Transmit Freq Error -38.297 kHz OBW Power 99.00 % x dB Bandwidth 25.10 MHz x dB -26.00 dB</p> <p>File <BBB.png> saved</p>

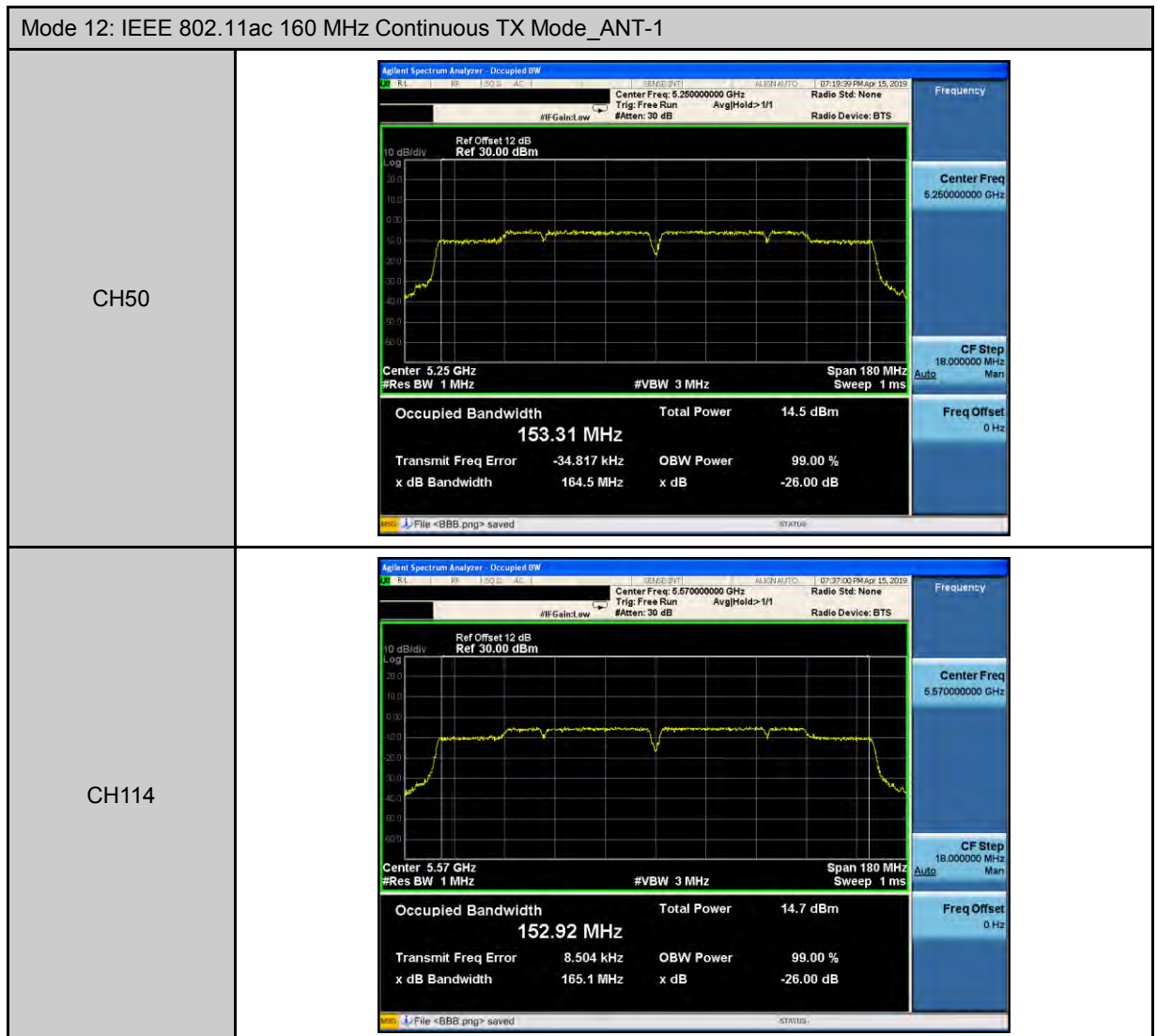




Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-1	
CH102	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.51000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.51 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 36.721 MHz Total Power 14.0 dBm Transmit Freq Error 28.615 kHz OBW Power 99.00 % x dB Bandwidth 45.39 MHz x dB -26.00 dB</p> <p>Center Freq 5.51000000 GHz CF Step 5.000000 MHz Freq Offset 0 Hz</p> <p>File <BBB.png> saved</p>
CH110	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.55000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.55 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 36.714 MHz Total Power 14.4 dBm Transmit Freq Error -12.299 kHz OBW Power 99.00 % x dB Bandwidth 44.35 MHz x dB -26.00 dB</p> <p>Center Freq 5.55000000 GHz CF Step 5.000000 MHz Freq Offset 0 Hz</p> <p>File <BBB.png> saved</p>
CH134	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.67000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>Center 5.67 GHz #Res BW 1 MHz #VBW 3 MHz Span 50 MHz Sweep 1 ms</p> <p>Occupied Bandwidth 36.717 MHz Total Power 14.5 dBm Transmit Freq Error -22.733 kHz OBW Power 99.00 % x dB Bandwidth 44.90 MHz x dB -26.00 dB</p> <p>Center Freq 5.67000000 GHz CF Step 5.000000 MHz Freq Offset 0 Hz</p> <p>File <BBB.png> saved</p>





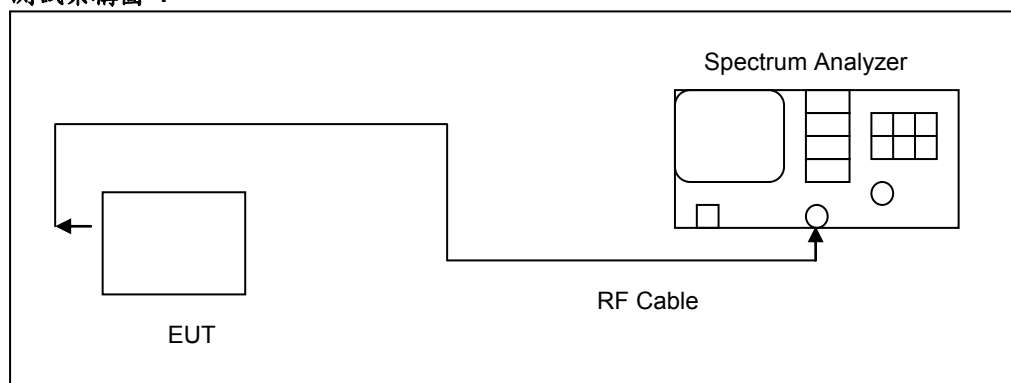


4.3.5 6 dB頻寬之要求

合格標準:

在 5.725 GHz~5.850 GHz 頻帶操作之設備，其 6 dB 頻寬至少應有 500 kHz。

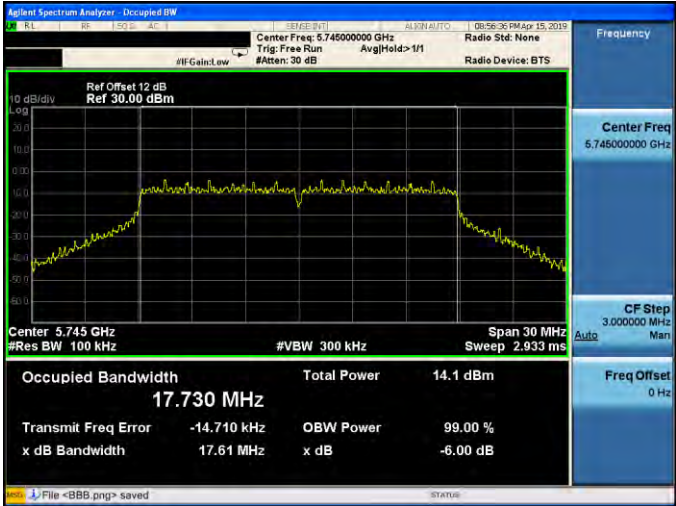
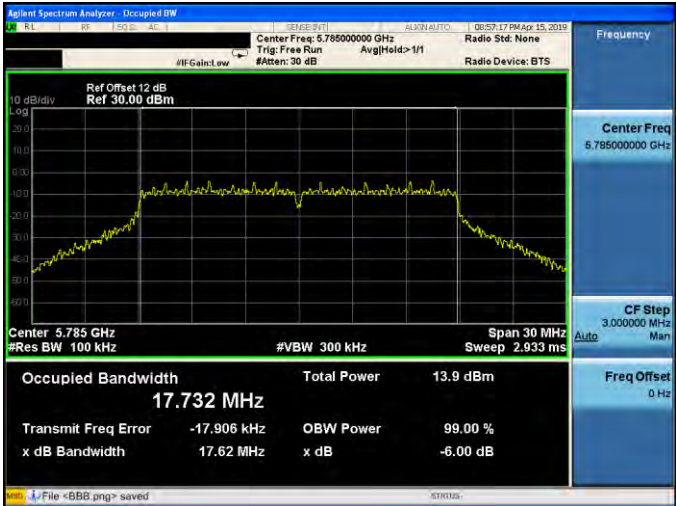
測試架構圖：

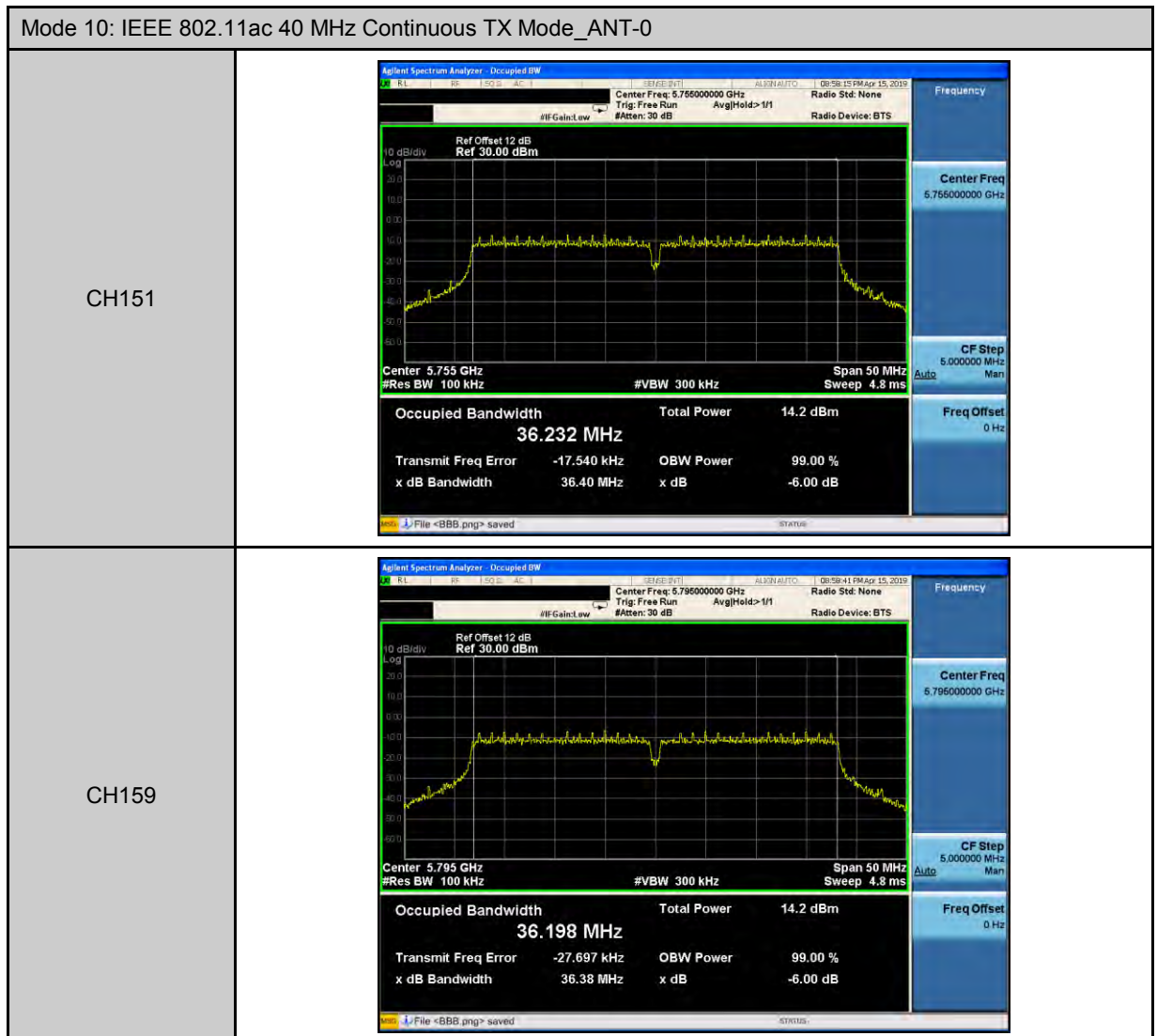


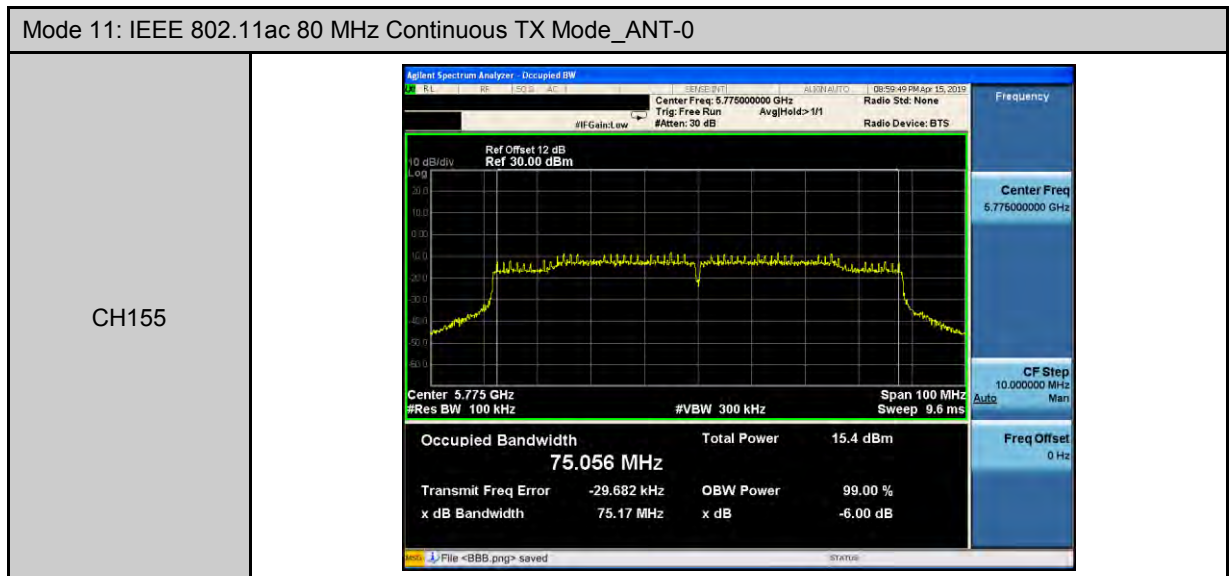
測試結果:

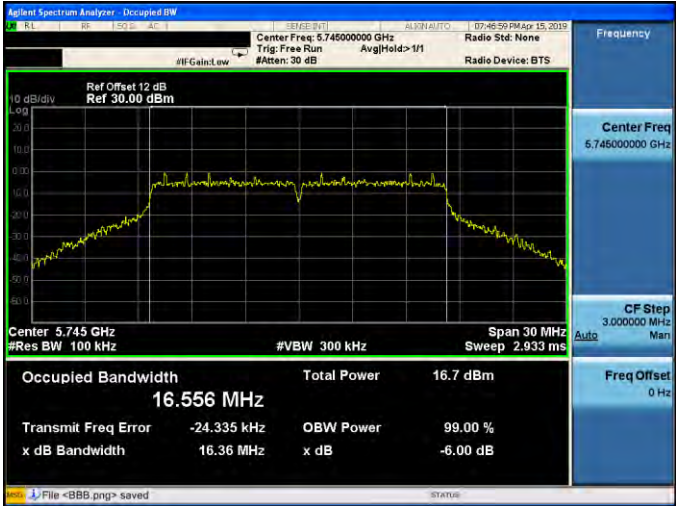
操作模式	: Mode 6 / Mode 9 / Mode 10 / Mode 11
測試結果	: 合格

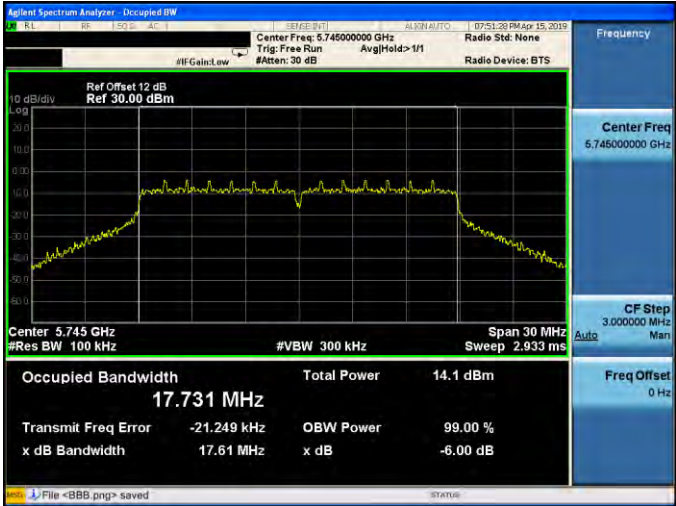
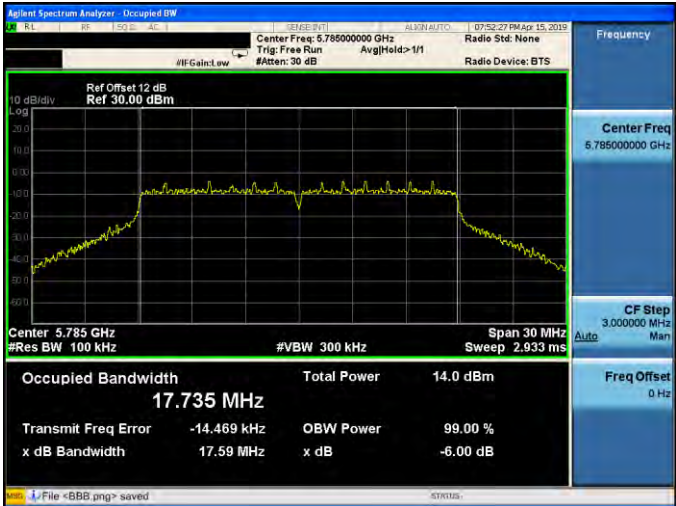
操作模式	頻道 (CH)	頻率 (MHz)	6 dB 頻寬量測值 (kHz)		限制值 (kHz)
			ANT-0	ANT-1	
Mode 6	149	5745.0	---	16360	≥ 500
	157	5785.0	---	16370	≥ 500
	165	5825.0	---	16360	≥ 500
Mode 9	149	5745.0	17610	17610	≥ 500
	157	5785.0	17620	17590	≥ 500
	165	5825.0	17620	17590	≥ 500
Mode 10	151	5755.0	36400	36370	≥ 500
	159	5795.0	36380	36370	≥ 500
Mode 11	155	5775.0	75170	75200	≥ 500

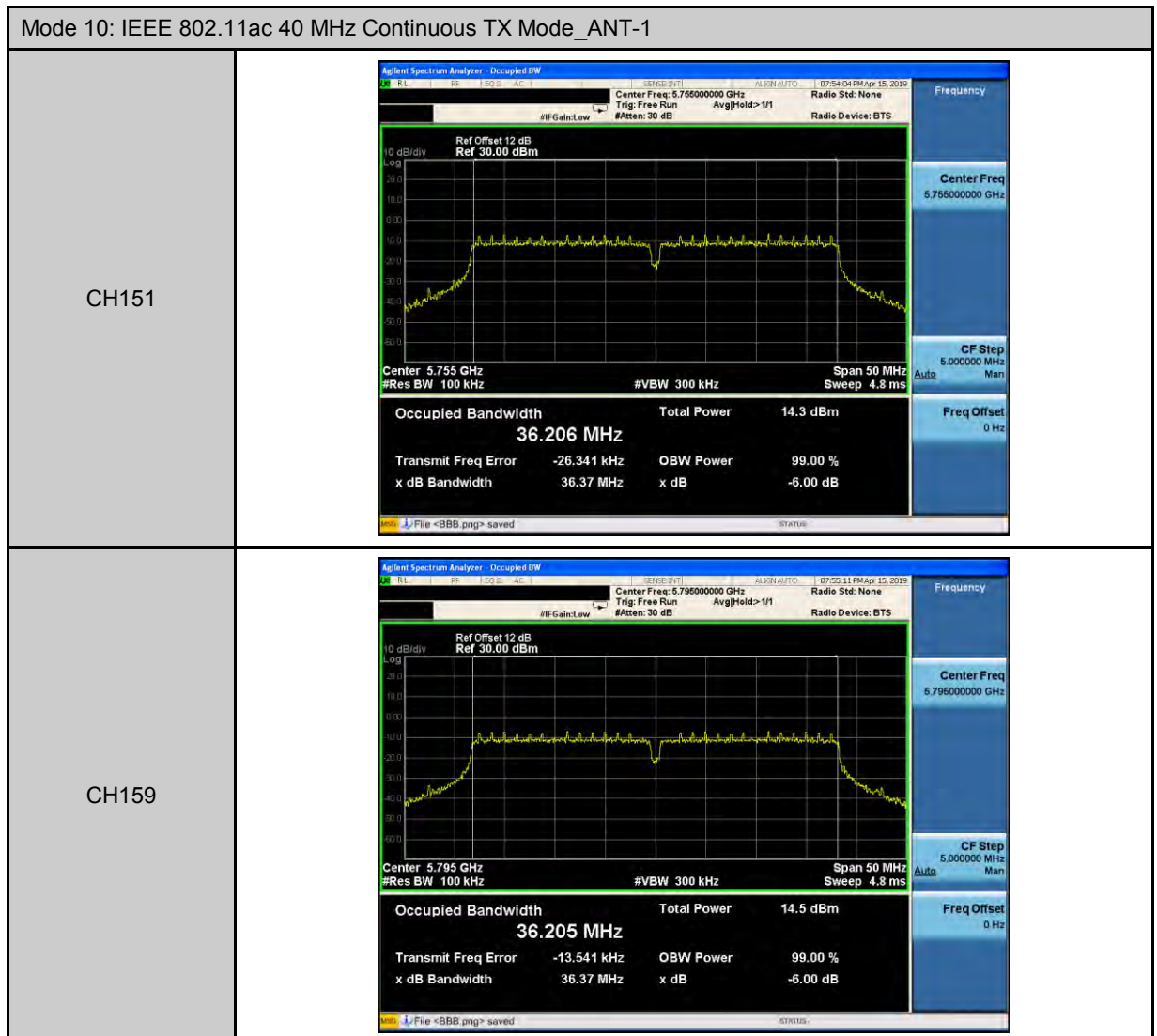
Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0	
CH149	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 12 dB</p> <p>Ref 30.00 dBm</p> <p>10 dB/div</p> <p>Log</p> <p>Center 5.745 GHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 30 MHz</p> <p>Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.730 MHz</p> <p>Total Power 14.1 dBm</p> <p>Transmit Freq Error -14.710 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.61 MHz</p> <p>x dB -6.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>
CH157	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 12 dB</p> <p>Ref 30.00 dBm</p> <p>10 dB/div</p> <p>Log</p> <p>Center 5.785 GHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 30 MHz</p> <p>Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.732 MHz</p> <p>Total Power 13.9 dBm</p> <p>Transmit Freq Error -17.906 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.62 MHz</p> <p>x dB -6.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>
CH165	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 12 dB</p> <p>Ref 30.00 dBm</p> <p>10 dB/div</p> <p>Log</p> <p>Center 5.825 GHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 30 MHz</p> <p>Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.742 MHz</p> <p>Total Power 13.5 dBm</p> <p>Transmit Freq Error -18.482 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.62 MHz</p> <p>x dB -6.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>

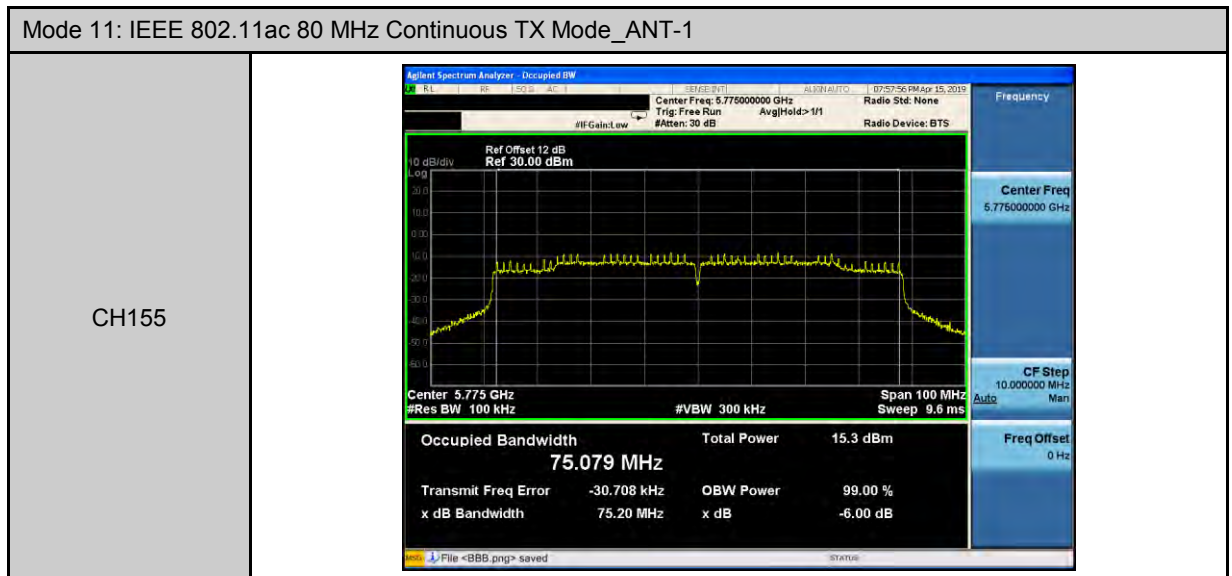




Mode 6: IEEE 802.11a Continuous TX Mode_ANT-1	
CH149	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 16.556 MHz Total Power 16.7 dBm Transmit Freq Error -24.335 kHz OBW Power 99.00 % x dB Bandwidth 16.36 MHz x dB -6.00 dB</p> <p>File <BBB.png> saved</p>
CH157	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 16.593 MHz Total Power 17.4 dBm Transmit Freq Error -12.998 kHz OBW Power 99.00 % x dB Bandwidth 16.37 MHz x dB -6.00 dB</p> <p>File <BBB.png> saved</p>
CH165	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 12 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 16.581 MHz Total Power 16.7 dBm Transmit Freq Error -26.190 kHz OBW Power 99.00 % x dB Bandwidth 16.36 MHz x dB -6.00 dB</p> <p>File <BBB.png> saved</p>

Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1	
CH149	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.745000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 12 dB</p> <p>Ref 30.00 dBm</p> <p>10 dB/div</p> <p>Log</p> <p>Center 5.745 GHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 30 MHz</p> <p>Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.731 MHz</p> <p>Total Power 14.1 dBm</p> <p>Transmit Freq Error -21.249 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.61 MHz</p> <p>x dB -6.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>
CH157	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.785000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 12 dB</p> <p>Ref 30.00 dBm</p> <p>10 dB/div</p> <p>Log</p> <p>Center 5.785 GHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 30 MHz</p> <p>Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.735 MHz</p> <p>Total Power 14.0 dBm</p> <p>Transmit Freq Error -14.469 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.59 MHz</p> <p>x dB -6.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>
CH165	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.825000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 12 dB</p> <p>Ref 30.00 dBm</p> <p>10 dB/div</p> <p>Log</p> <p>Center 5.825 GHz</p> <p>#Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 30 MHz</p> <p>Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.746 MHz</p> <p>Total Power 13.7 dBm</p> <p>Transmit Freq Error -17.491 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.59 MHz</p> <p>x dB -6.00 dB</p> <p>File <BBB.png> saved</p> <p>STATUS</p>



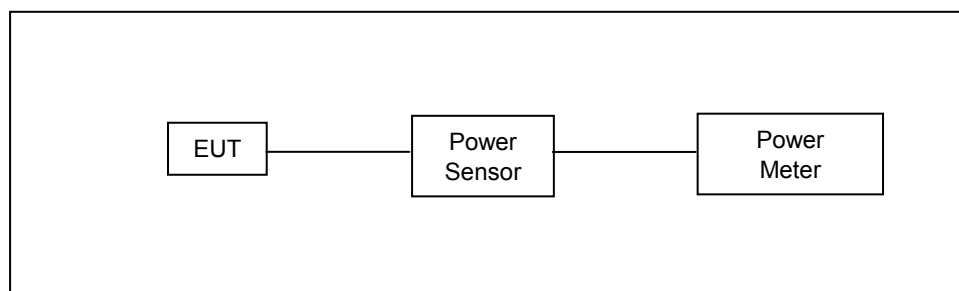


4.3.6 發射功率控制(TPC)之量測

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)4.7.7.1 節之要求, 發射功率控制(TPC)操作於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻帶的設備, 應具備發射功率控制功能。設備必須至少具有 6 dB 低於平均 EIRP 值 30 dBm 的能力。EIRP 值低於 500 mW 之系統不須具備 TPC 功能。

測試架構圖：



測試結果:

操作模式	: Mode 6 / Mode 7 / Mode 8 / Mode 9 / Mode 10 / Mode 11 / Mode 12
測試結果	: Mode 6: EIRP = 14.723 mW < 500 mW , 故不需評估發射功率控制(TPC)。 Mode 7: EIRP = 28.266 mW < 500 mW , 故不需評估發射功率控制(TPC)。 Mode 8: EIRP = 27.015 mW < 500 mW , 故不需評估發射功率控制(TPC)。 Mode 9: EIRP = 29.876 mW < 500 mW , 故不需評估發射功率控制(TPC)。 Mode 10: EIRP = 28.414 mW < 500 mW , 故不需評估發射功率控制(TPC)。 Mode 11: EIRP = 28.265 mW < 500 mW , 故不需評估發射功率控制(TPC)。 Mode 12: EIRP = 27.708 mW < 500 mW , 故不需評估發射功率控制(TPC)。

4.3.7 動態頻率選擇(DFS)之量測

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)4.7.7.2 節之要求, 操作於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻帶之設備應具備動態頻率選擇雷達偵測功能並啟動之, 以完整偵測使用頻帶內之雷達訊號, 避免與雷達系統

同頻道操作。相關規定如下:

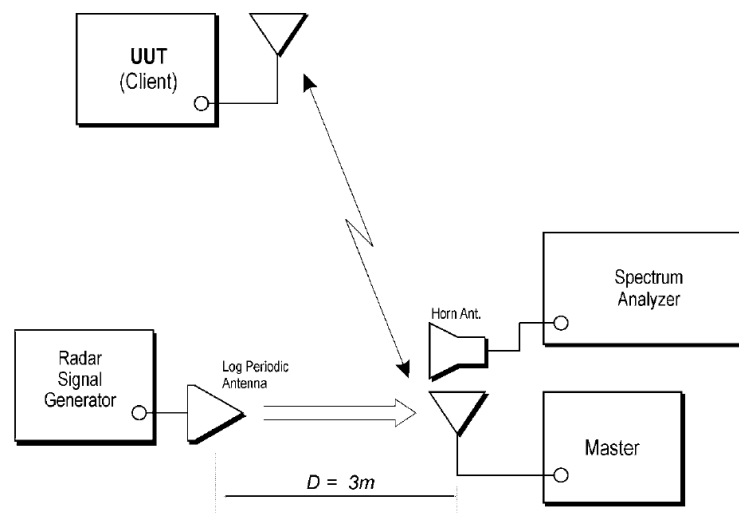
最低動態頻率選擇的偵測門檻

- 最大 EIRP 為 200 mW 至 1 W 之設備, 其最低動態頻率選擇的偵測門檻值為-64 dBm。
- 最大 EIRP 低於 200 mW, 且功率頻譜密度小於 10 dBm/MHz 之設備, 其最低動態頻率選擇的偵測門檻值為-62 dBm。
- 最大 EIRP 低於 200 mW, 且功率頻譜密度大於或等於 10 dBm/MHz 之設備, 其最低動態頻率選擇的偵測門檻值為-64dBm。
- 此偵測門檻值為 1 微秒內之平均接收功率, 並以 0 dBi 天線為參考基準。頻道初始設定得由系統隨機選取或使用者手動選取。

操作模式: 動態頻率選擇之規定適用於以下之操作模式:

- 頻道可用性檢查時間之規定, 適用於主控運作模式。
- 頻道移動時間之規定, 適用於主控及受控運作模式。

測試架構圖:



測試結果:

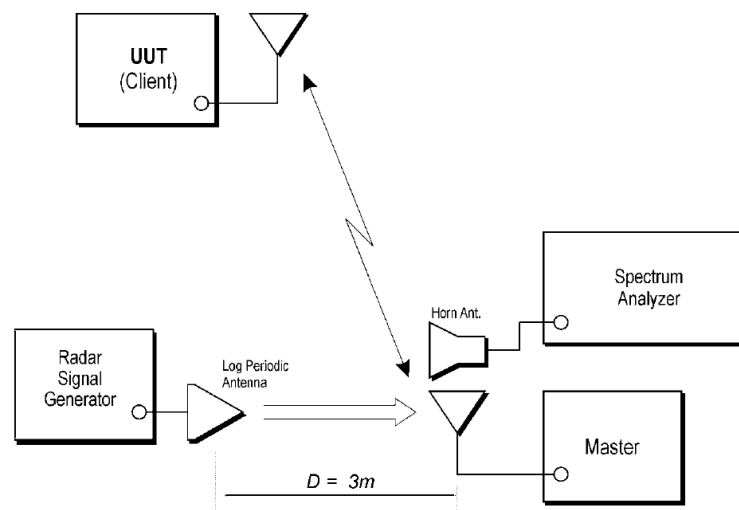
操作模式	: Mode 9 / Mode 10 / Mode 11 / Mode 12
測試結果	: 不適用, 此產品為受控裝置, 因此不須評估動態頻率選擇(DFS)

4.3.8 頻道可用性檢查時間之量測

合格標準：

依據 NCC 低功率射頻電機技術規範(LP0002)之 4.7.7.2(3)節之要求，設備必須檢查其可在某一頻道上起始傳送之前是否有雷達系統已經操作在該頻道上，以及何時其必須移動到另一新的頻道，在 60 秒內若沒有偵測到功率位準大過上述之干擾門檻值的雷達信號時，設備才可開始使用該頻道。

測試架構圖：



測試結果：

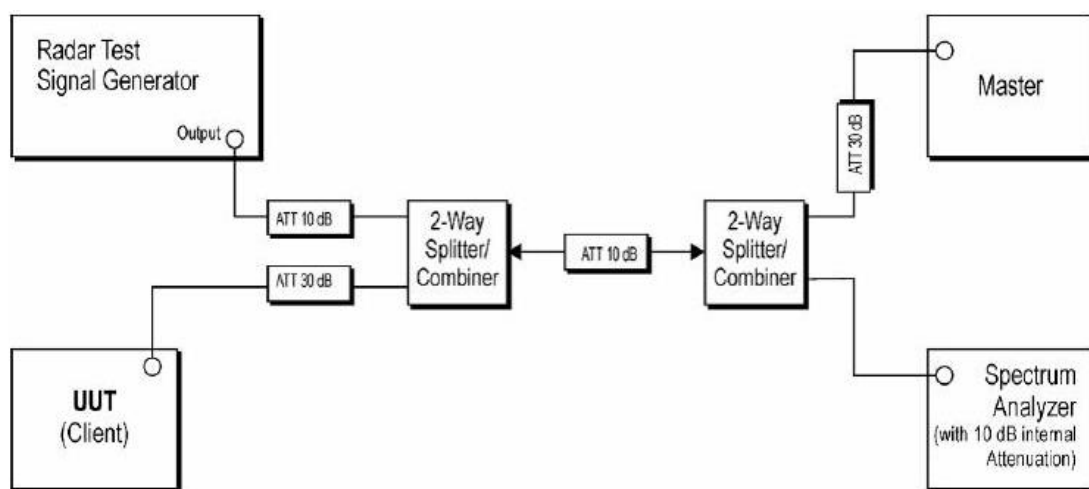
操作模式	: Mode 9
測試結果	: 不適用；此產品為受控裝置，因此不須評估頻道可用性檢查時間

4.3.9 頻道移動時間之量測

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)之 4.7.7.2(4)節節之要求，在偵測到雷達的存在後，所有在該操作頻道上的所有傳輸須在 10 秒內停止，在偵測到雷達信號後，該期間內的傳輸應維持最多 200 毫秒的正常通訊。另外，間歇性的管理與控制信號可在剩餘的時間中傳送，以便撤離該操作頻道。

測試架構圖：



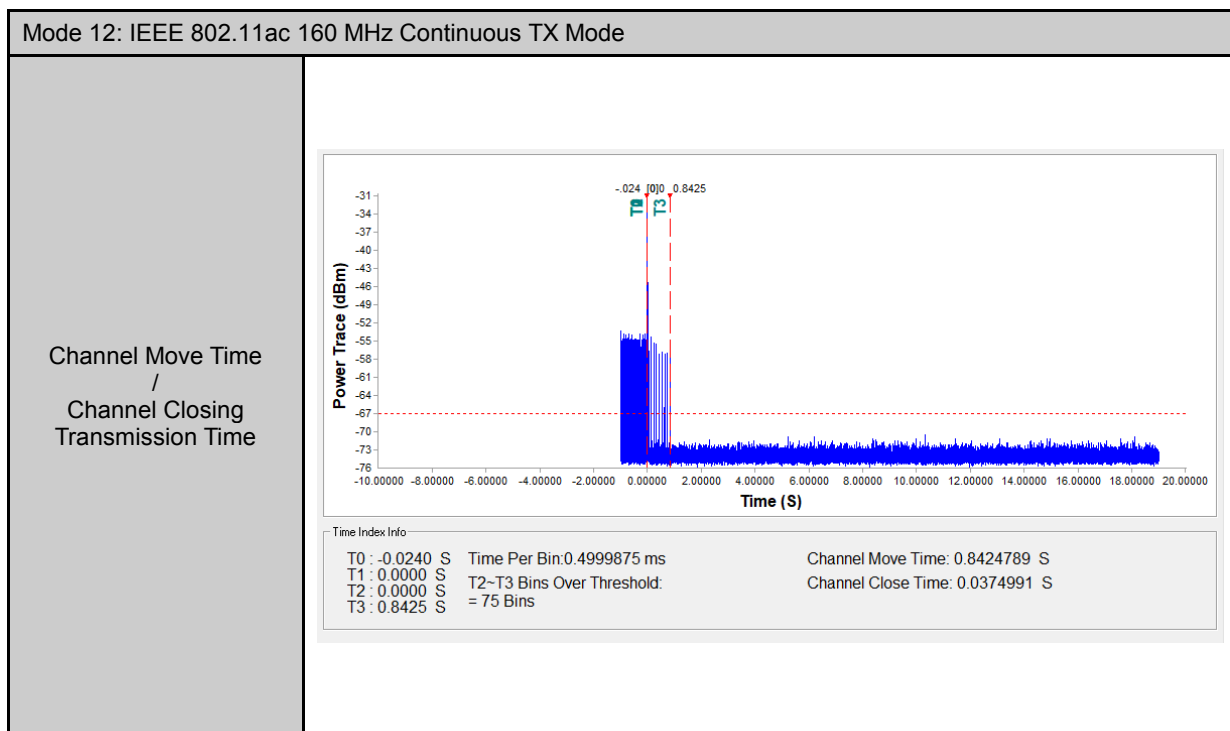
Product	Manufacturer	Model No.	ID
1. ASUS Access Point	ASUS	RT-AX88U	FCC : MSQ-RTAXHP00

測試結果:

操作模式	: Mode 12
測試結果	: 合格

Frequency (MHz)	Radar Type	Channel Move Time (sec)	Limit (sec)
5570	Type 0	0.8425	10

Frequency (MHz)	Radar Type	Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
5570	Type 0	37.4991	200

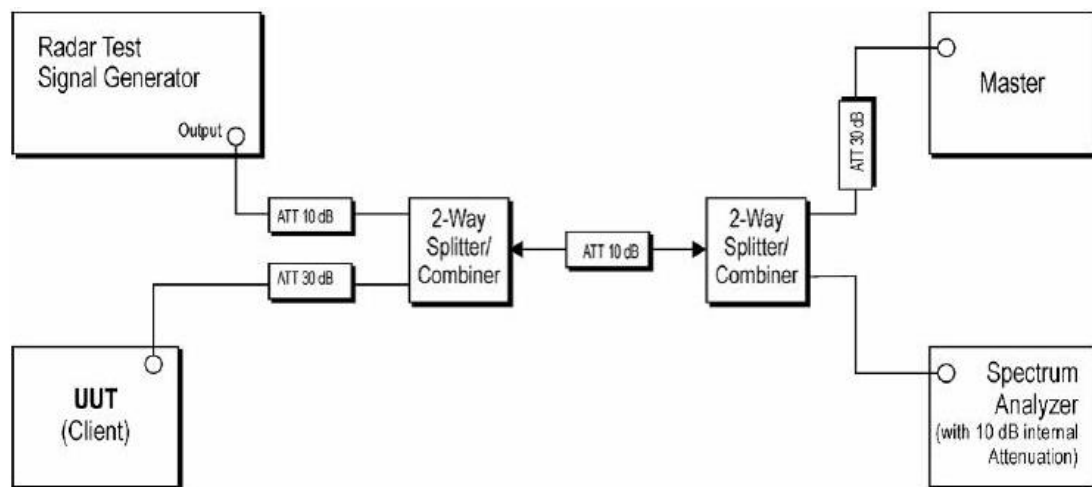


4.3.10 不可佔用時間之量測

合格標準:

依據 NCC 低功率射頻電機技術規範(LP0002)之 4.7.7.2(5)節節之要求, 某一頻道已被頻道可用性檢查或”服務中”監視顯示含有雷達系統, 至少須有 30 分鐘的不可佔用期間。不可佔用期間起始於偵測到雷達系統的當時。

測試架構圖：



測試結果:

操作模式	: Mode 9
測試結果	: 不適用, 此產品為受控裝置, 因此不須評估不可佔用時間

4.3.11 天線規格之要求

合格標準:

據 NCC 低功率射頻電機技術規範(LP0002)之 4.7.8 節之要求，天線之規格不受第 2.2 節規定之限制

判定結果:

符合。

Antenna	製造商	型號	型態	增益值(dBi)
MAIN (ANT-0)	Huizhou SPEED Wireless Technology Co., Ltd.	WIFI Main Antenna	PIFA Antenna	2.5
AUX (ANT-1)	Huizhou SPEED Wireless Technology Co., Ltd.	WIFI AUX Antenna	PIFA Antenna	2.5

4.3.12 電波暴露量之評估

合格標準:

若受測物於正常操作模式下，其發射機距離人體 20 公分以上者，可測試最大暴露允許值(Maximum Permissible Exposure, MPE)以證明其符合電波暴露量之要求。限制值如下：

5.20.2.1 職業性/可控制之暴露

頻率範圍 (MHz)	電場強度 (V/m)	磁場強度 (A/m)	功率密度 (mW/cm ²)	平均時間 (minutes)
0.3~3.0	614	1.63	*100	6
3~30	1842/f	4.89/f	*900/f ²	6
30~300	61.4	0.163	1.0	6
300~1,500	-----	-----	f/300	6
1,500~100,000	-----	-----	5.0	6

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

5.20.2.2 一般人/不可控制之暴露

頻率範圍 (MHz)	電場強度 (V/m)	磁場強度 (A/m)	功率密度 (mW/cm ²)	平均時間 (minutes)
0.3~1.34	614	1.63	*100	30
1.34~30	824/f	2.19/f	*180/f ²	30
30~300	27.5	0.073	0.2	30
300~1,500	-----	-----	f/1500	30
1,500~100,000	-----	-----	1.0	30

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

判定結果:

Band	Frequency (MHz)	Limit (mW/cm ²)	Distance [R] (cm)	Power [P] (dBm)	ANT Gain (dBi)	Numeric Gain [G] (dBi)	Duty Cycle	With Duty cycle [P] x [G] (mW)	Power Density [S] (mW/cm ²)
IEEE 802.11a	5180.0	1.0	20	9.22	2.5	1.78	1	14.874	0.0030
	5200.0	1.0	20	9.10	2.5	1.78	1	14.468	0.0029
	5220.0	1.0	20	9.20	2.5	1.78	1	14.805	0.0029
	5240.0	1.0	20	9.12	2.5	1.78	1	14.535	0.0029
	5745.0	1.0	20	8.97	2.5	1.78	1	14.042	0.0028
	5765.0	1.0	20	9.08	2.5	1.78	1	14.402	0.0029
	5785.0	1.0	20	9.05	2.5	1.78	1	14.303	0.0028
	5805.0	1.0	20	9.03	2.5	1.78	1	14.237	0.0028
	5825.0	1.0	20	8.89	5.51	3.56	1	27.571	0.0055
IEEE 802.11ac 20 MHz	5180.0	1.0	20	9.37	5.51	3.56	1	30.813	0.0061
	5200.0	1.0	20	9.23	5.51	3.56	1	29.800	0.0059
	5220.0	1.0	20	9.20	5.51	3.56	1	29.622	0.0059
	5240.0	1.0	20	9.20	5.51	3.56	1	29.613	0.0059
	5745.0	1.0	20	9.15	5.51	3.56	1	29.241	0.0058
	5765.0	1.0	20	9.34	5.51	3.56	1	30.586	0.0061
	5785.0	1.0	20	9.16	5.51	3.56	1	29.345	0.0058
	5805.0	1.0	20	9.21	5.51	3.56	1	29.682	0.0059
	5825.0	1.0	20	9.08	5.51	3.56	1	28.775	0.0057
IEEE 802.11ac 40 MHz	5190.0	1.0	20	9.05	5.51	3.56	1	28.608	0.0057
	5230.0	1.0	20	9.06	5.51	3.56	1	28.641	0.0057
	5755.0	1.0	20	9.10	5.51	3.56	1	28.909	0.0058
	5795.0	1.0	20	9.17	5.51	3.56	1	29.410	0.0059
IEEE 802.11ac 80 MHz	5210.0	1.0	20	9.02	5.51	3.56	1	28.378	0.0056
	5775.0	1.0	20	9.08	5.51	3.56	1	28.823	0.0057

Note：只有 5180 MHz ~ 5240 MHz，5745 MHz ~ 5825 MHz 有 Hotspot 功能。