

APPENDIX REPORT

Project No.	SHT2007123701EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT20071237002	Model No.	8WC1
Start test date	2020/8/6	Finish date	2020/8/6
Temperature	25°C	Humidity	50%
Test Engineer	Jiongsheng.Feng	Auditor	Xiaodong Zheo

Appendix clause	Test item	Result
A	Conducted Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
E	Band edge and Spurious Emissions (conducted)	PASS

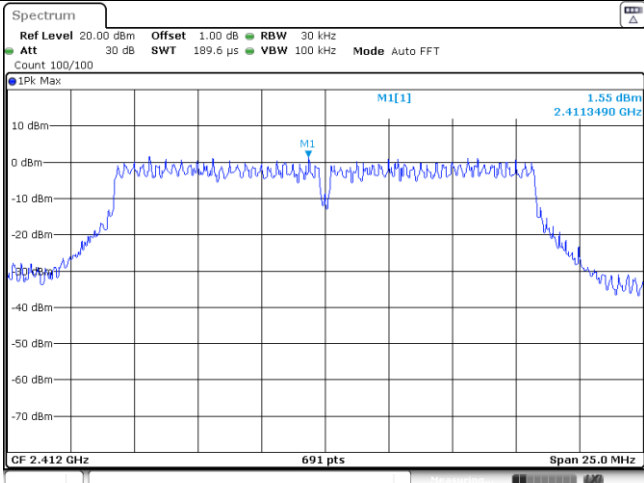
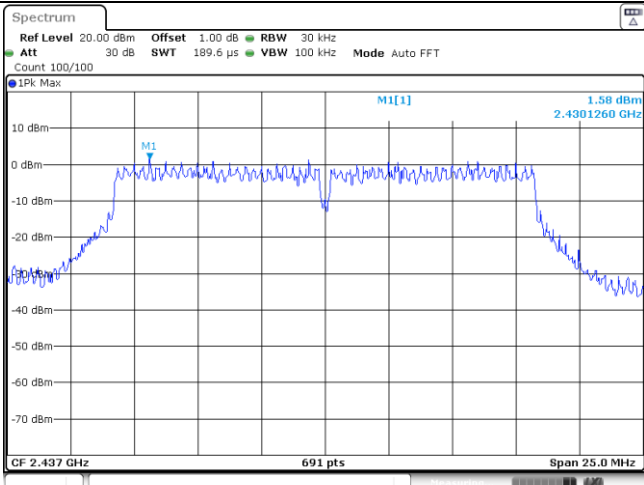
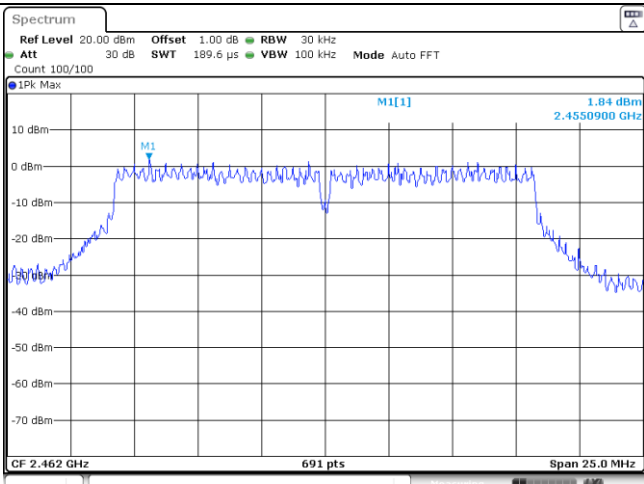
Appendix A: Conducted Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	21.90	19.66	≤ 30.00	Pass
	06	21.43	19.23		
	11	21.59	19.39		
802.11g	01	25.67	21.66	≤ 30.00	Pass
	06	25.56	21.57		
	11	25.74	21.72		
802.11n (HT20)	01	25.76	21.66	≤ 30.00	Pass
	06	25.76	21.66		
	11	25.77	21.71		
802.11n(HT40)	03	25.78	21.77	≤ 30.00	Pass
	06	25.81	21.80		
	09	25.83	21.85		

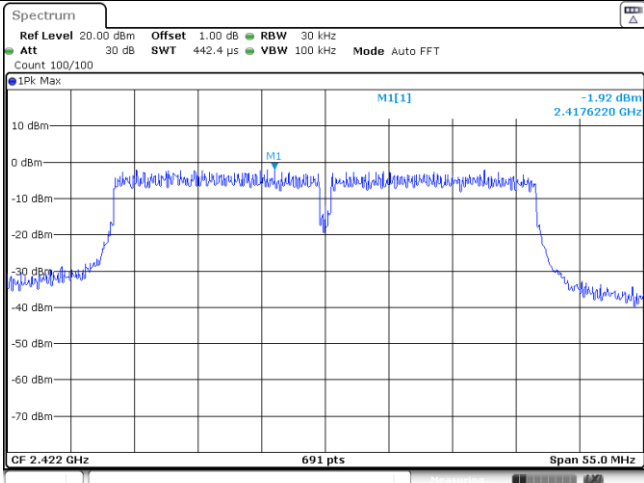
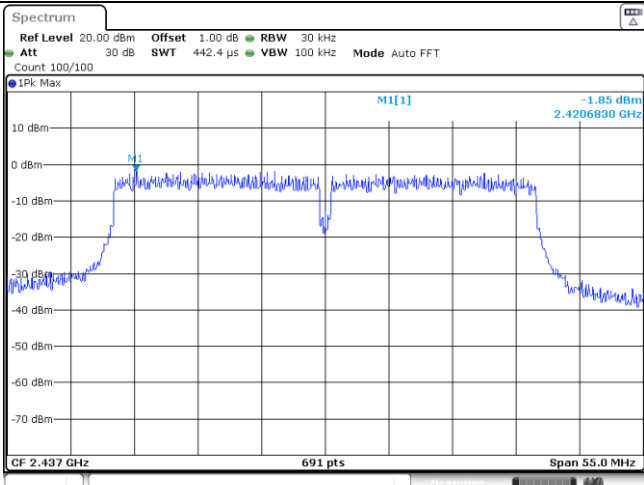
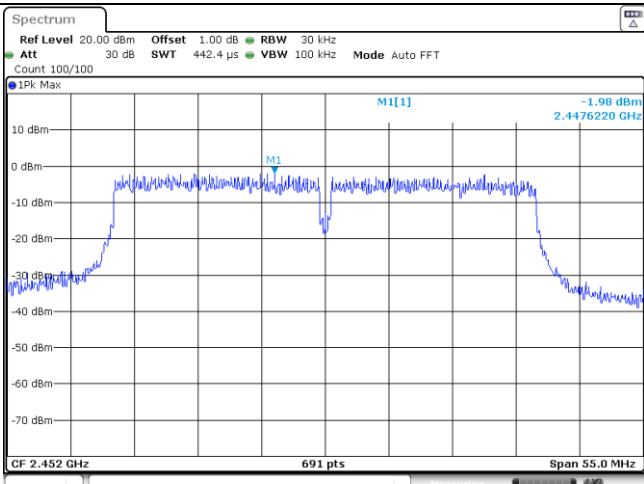
Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	6.09	≤8.00	Pass
	06	5.72		
	11	5.31		
802.11g	01	1.55	≤8.00	Pass
	06	1.58		
	11	1.84		
802.11n(HT20)	01	1.38	≤8.00	Pass
	06	1.26		
	11	1.13		
802.11n(HT40)	03	-1.92	≤8.00	Pass
	06	-1.85		
	09	-1.98		

Type:		802.11 b
CH01	<p>CF 2.412 GHz 691 pts Span 16.0 MHz</p> <p>Date: 6 AUG 2020 16:19:37</p>	
CH06	<p>CF 2.437 GHz 691 pts Span 16.0 MHz</p> <p>Date: 6 AUG 2020 16:23:30</p>	
CH11	<p>CF 2.462 GHz 691 pts Span 16.0 MHz</p> <p>Date: 6 AUG 2020 16:28:31</p>	

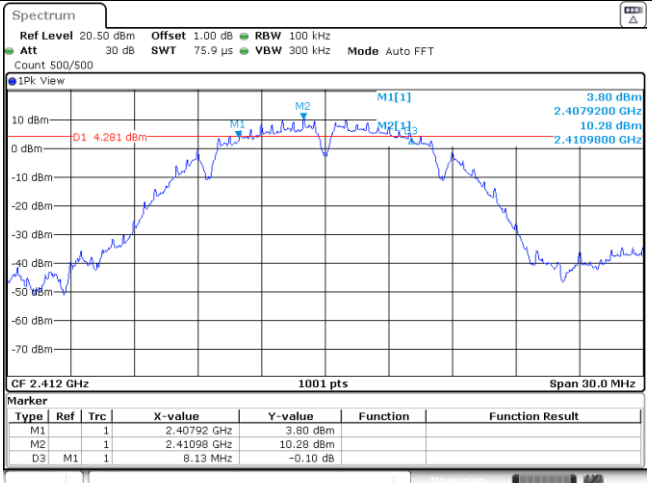
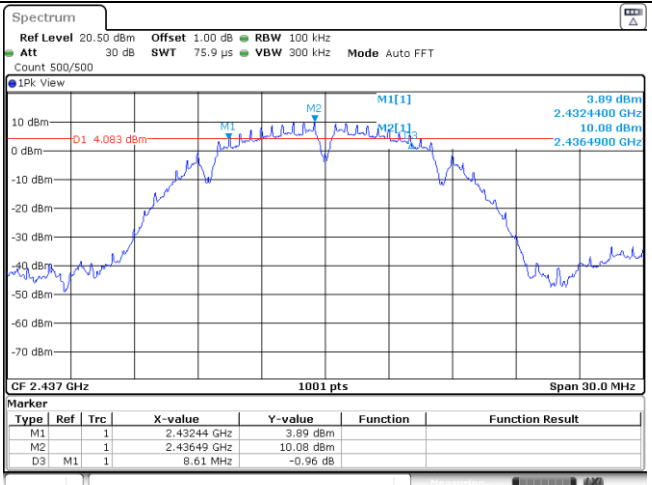
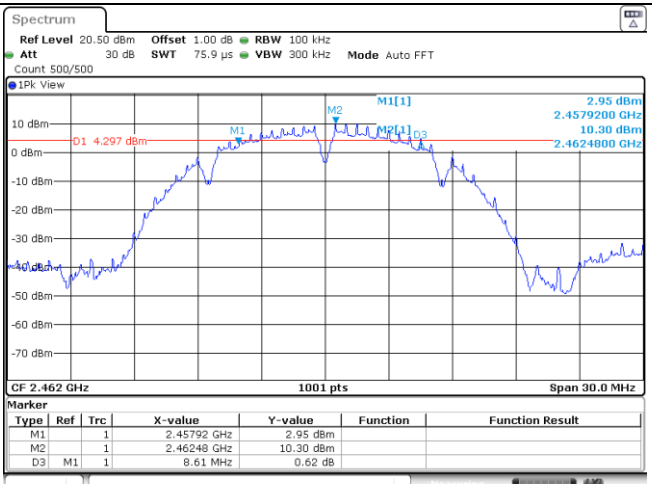
Type:		802.11 g
CH01	 <p>Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB RBW 30 kHz SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>1PK Max 1.55 dBm 2.4113490 GHz</p> <p>CF 2.412 GHz 691 pts Span 25.0 MHz</p> <p>Date: 6 AUG 2020 16:31:09</p>	
CH06	 <p>Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB RBW 30 kHz SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>1PK Max 1.50 dBm 2.4301260 GHz</p> <p>CF 2.437 GHz 691 pts Span 25.0 MHz</p> <p>Date: 6 AUG 2020 16:38:42</p>	
CH11	 <p>Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB RBW 30 kHz SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>1PK Max 1.04 dBm 2.4550900 GHz</p> <p>CF 2.462 GHz 691 pts Span 25.0 MHz</p> <p>Date: 6 AUG 2020 16:40:10</p>	

Type:		802.11n(HT20)
CH01	<p>CF 2.412 GHz 691 pts Span 25.0 MHz</p> <p>Date: 6 AUG 2020 16:43:03</p>	
CH06	<p>CF 2.437 GHz 691 pts Span 25.0 MHz</p> <p>Date: 6 AUG 2020 16:45:38</p>	
CH11	<p>CF 2.462 GHz 691 pts Span 25.0 MHz</p> <p>Date: 6 AUG 2020 16:47:59</p>	

Type:		802.11n(HT40)
CH03	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 442.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -1.92 dBm 2.4176220 GHz</p> <p>CF 2.422 GHz 691 pts Span 55.0 MHz</p> <p>Date: 6 AUG 2010 16:50:44</p>	
CH06	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 442.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -1.05 dBm 2.4206830 GHz</p> <p>CF 2.437 GHz 691 pts Span 55.0 MHz</p> <p>Date: 6 AUG 2010 16:54:23</p>	
CH09	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 442.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -1.98 dBm 2.4476220 GHz</p> <p>CF 2.452 GHz 691 pts Span 55.0 MHz</p> <p>Date: 6 AUG 2010 16:58:55</p>	

Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	8.13	≥0.5	Pass
	06	8.61		
	11	8.61		
802.11g	01	16.41	≥0.5	Pass
	06	16.41		
	11	16.41		
802.11n(HT20)	01	17.61	≥0.5	Pass
	06	17.85		
	11	17.61		
802.11n(HT40)	03	36.42	≥0.5	Pass
	06	36.18		
	09	36.06		

Type:	802.11 b																												
CH01	 <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 500/500 IPK View 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.412 GHz 1001 pts Span 30.0 MHz Marker</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.40792 GHz</td> <td>3.80 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.41098 GHz</td> <td>10.28 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>8.13 MHz</td> <td>-0.10 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6 AUG 2010 16:18:37</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.40792 GHz	3.80 dBm			M2		1	2.41098 GHz	10.28 dBm			D3	M1	1	8.13 MHz	-0.10 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1		1	2.40792 GHz	3.80 dBm																									
M2		1	2.41098 GHz	10.28 dBm																									
D3	M1	1	8.13 MHz	-0.10 dB																									
CH06	 <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 500/500 IPK View 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.437 GHz 1001 pts Span 30.0 MHz Marker</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.43244 GHz</td> <td>3.89 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.43649 GHz</td> <td>10.08 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>8.61 MHz</td> <td>-0.96 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6 AUG 2010 16:22:03</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.43244 GHz	3.89 dBm			M2		1	2.43649 GHz	10.08 dBm			D3	M1	1	8.61 MHz	-0.96 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1		1	2.43244 GHz	3.89 dBm																									
M2		1	2.43649 GHz	10.08 dBm																									
D3	M1	1	8.61 MHz	-0.96 dB																									
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Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1		1	2.45792 GHz	2.95 dBm																									
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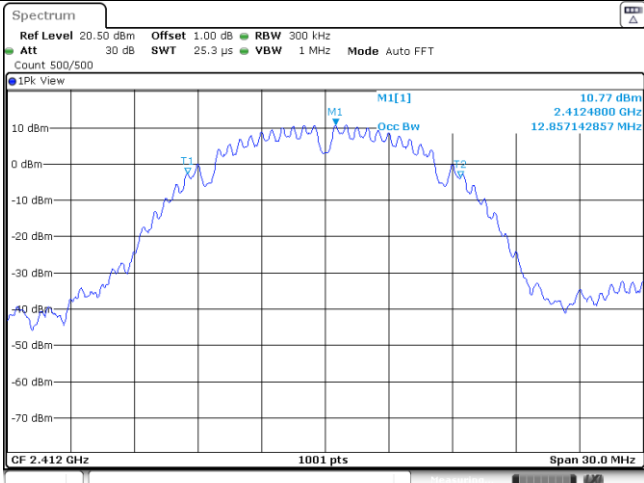
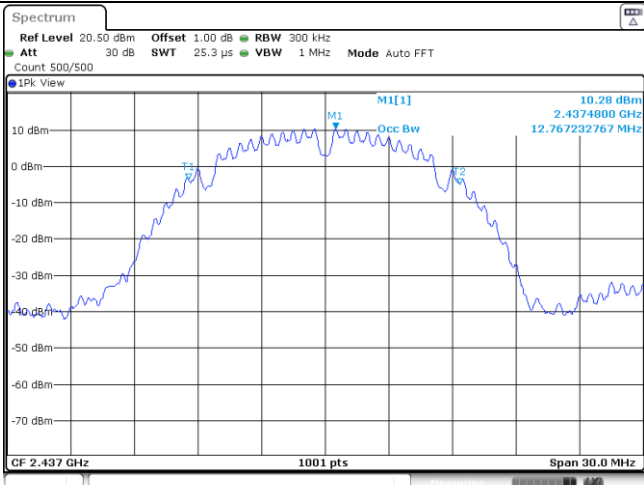
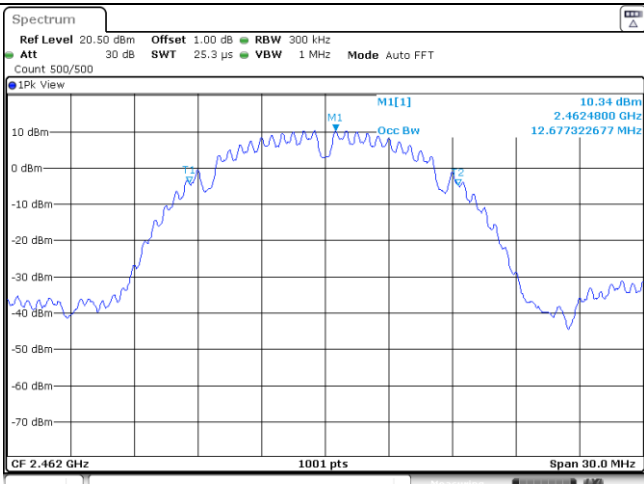
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Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1		1	2.40378 GHz	-0.74 dBm																									
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CH06	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>CF 2.437 GHz 1001 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.42878 GHz</td> <td>-0.62 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.43073 GHz</td> <td>6.49 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>16.41 MHz</td> <td>-0.24 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6 AUG 2010 16:35:59</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.42878 GHz	-0.62 dBm			M2		1	2.43073 GHz	6.49 dBm			D3	M1	1	16.41 MHz	-0.24 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
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CH01	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>CF 2.412 GHz 1001 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.40318 GHz</td> <td>-0.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.41698 GHz</td> <td>6.38 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.61 MHz</td> <td>0.19 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6 AUG 2010 16:42:13</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.40318 GHz	-0.16 dBm			M2		1	2.41698 GHz	6.38 dBm			D3	M1	1	17.61 MHz	0.19 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
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Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1		1	2.42806 GHz	-3.11 dBm																									
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Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
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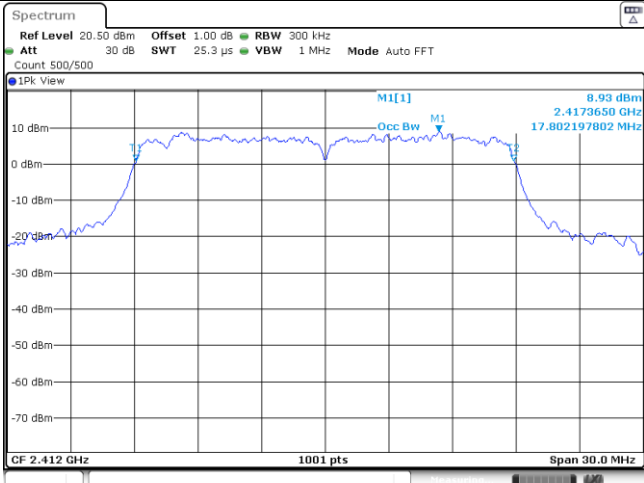
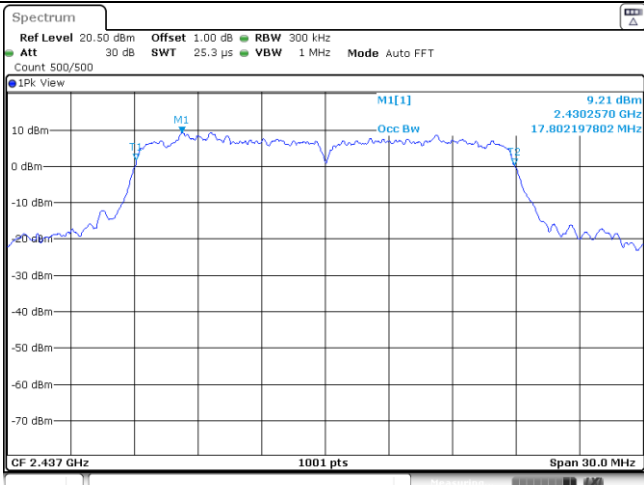
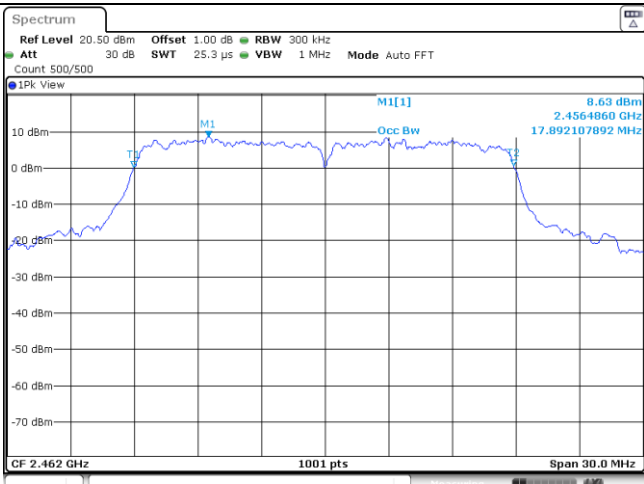
Type:		802.11n(HT40)																												
CH03	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 132.7 μs VBW 300 kHz Mode Auto FFT Count 500/500 IPK View M1[1] -3.72 dBm 2.4037600 GHz M2[1] 3.14 dBm 2.4069400 GHz D1 -2.858 dBm CF 2.422 GHz 1001 pts Span 60.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.40376 GHz</td> <td>-3.72 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.40694 GHz</td> <td>3.14 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>36.42 MHz</td> <td>0.75 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6 AUG 2010 16:49:52</p>		Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.40376 GHz	-3.72 dBm			M2		1	2.40694 GHz	3.14 dBm			D3	M1	1	36.42 MHz	0.75 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																								
M1		1	2.40376 GHz	-3.72 dBm																										
M2		1	2.40694 GHz	3.14 dBm																										
D3	M1	1	36.42 MHz	0.75 dB																										
CH06	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 132.7 μs VBW 300 kHz Mode Auto FFT Count 500/500 IPK View M1[1] -4.15 dBm 2.4187600 GHz M2[1] 2.98 dBm 2.4206800 GHz D1 -3.024 dBm CF 2.437 GHz 1001 pts Span 60.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.41876 GHz</td> <td>-4.15 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.42068 GHz</td> <td>2.98 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>36.18 MHz</td> <td>1.10 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6 AUG 2010 16:53:37</p>		Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.41876 GHz	-4.15 dBm			M2		1	2.42068 GHz	2.98 dBm			D3	M1	1	36.18 MHz	1.10 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																								
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M2		1	2.42068 GHz	2.98 dBm																										
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CH09	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 132.7 μs VBW 300 kHz Mode Auto FFT Count 500/500 IPK View M1[1] -4.07 dBm 2.4337600 GHz M2[1] 3.25 dBm 2.4445000 GHz D1 -2.755 dBm CF 2.452 GHz 1001 pts Span 60.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.43376 GHz</td> <td>-4.07 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.4445 GHz</td> <td>3.25 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>36.06 MHz</td> <td>0.61 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6 AUG 2010 16:58:29</p>		Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.43376 GHz	-4.07 dBm			M2		1	2.4445 GHz	3.25 dBm			D3	M1	1	36.06 MHz	0.61 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																								
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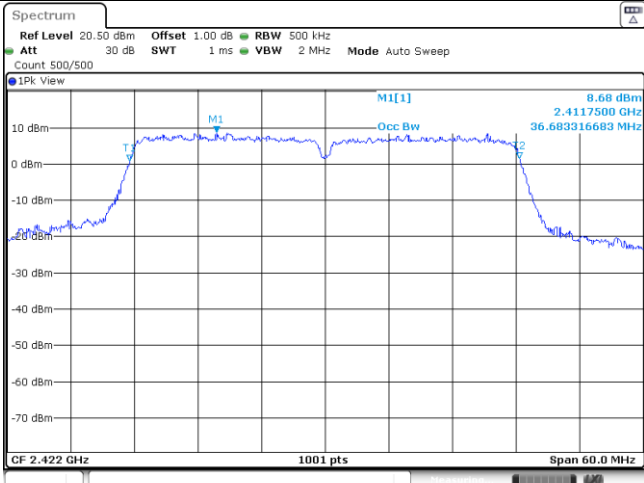
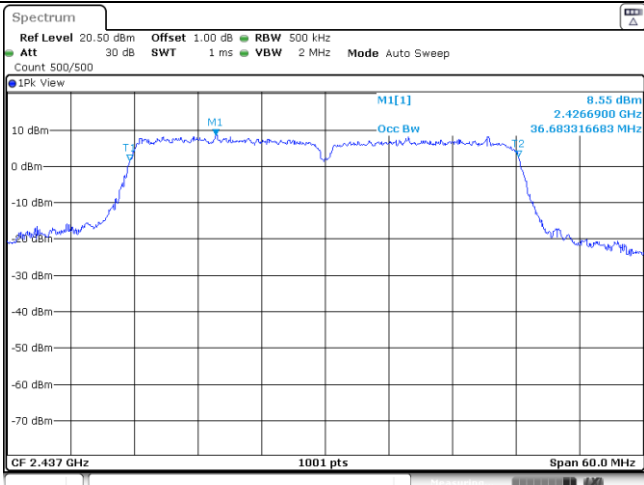
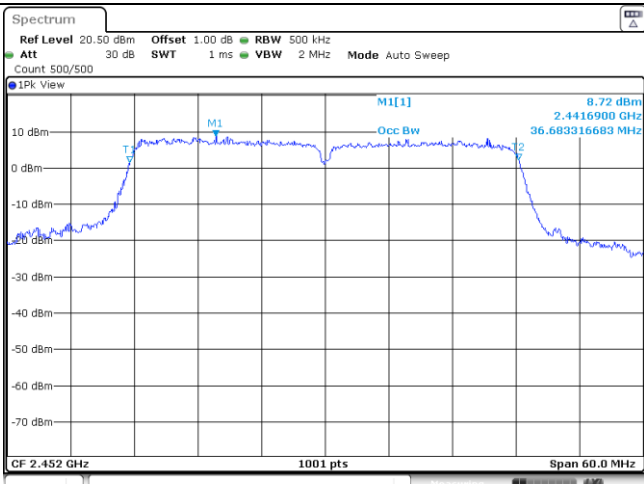
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	12.86	-	Pass
	06	12.77		
	11	12.68		
802.11g	01	17.02	-	Pass
	06	17.02		
	11	16.90		
802.11n(HT20)	01	17.80	-	Pass
	06	17.80		
	11	17.89		
802.11n(HT40)	03	36.68	-	Pass
	06	36.68		
	09	36.68		

Type:		802.11 b
CH01	 <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>1PK View</p> <p>10.77 dBm 2.4124800 GHz 12.857142857 MHz</p> <p>CF 2.412 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 6 AUG 2020 16:18:45</p>	
CH06	 <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>1PK View</p> <p>10.20 dBm 2.4374800 GHz 12.767232767 MHz</p> <p>CF 2.437 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 6 AUG 2020 16:22:15</p>	
CH11	 <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>1PK View</p> <p>10.34 dBm 2.4624800 GHz 12.677322677 MHz</p> <p>CF 2.462 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 6 AUG 2020 16:25:53</p>	

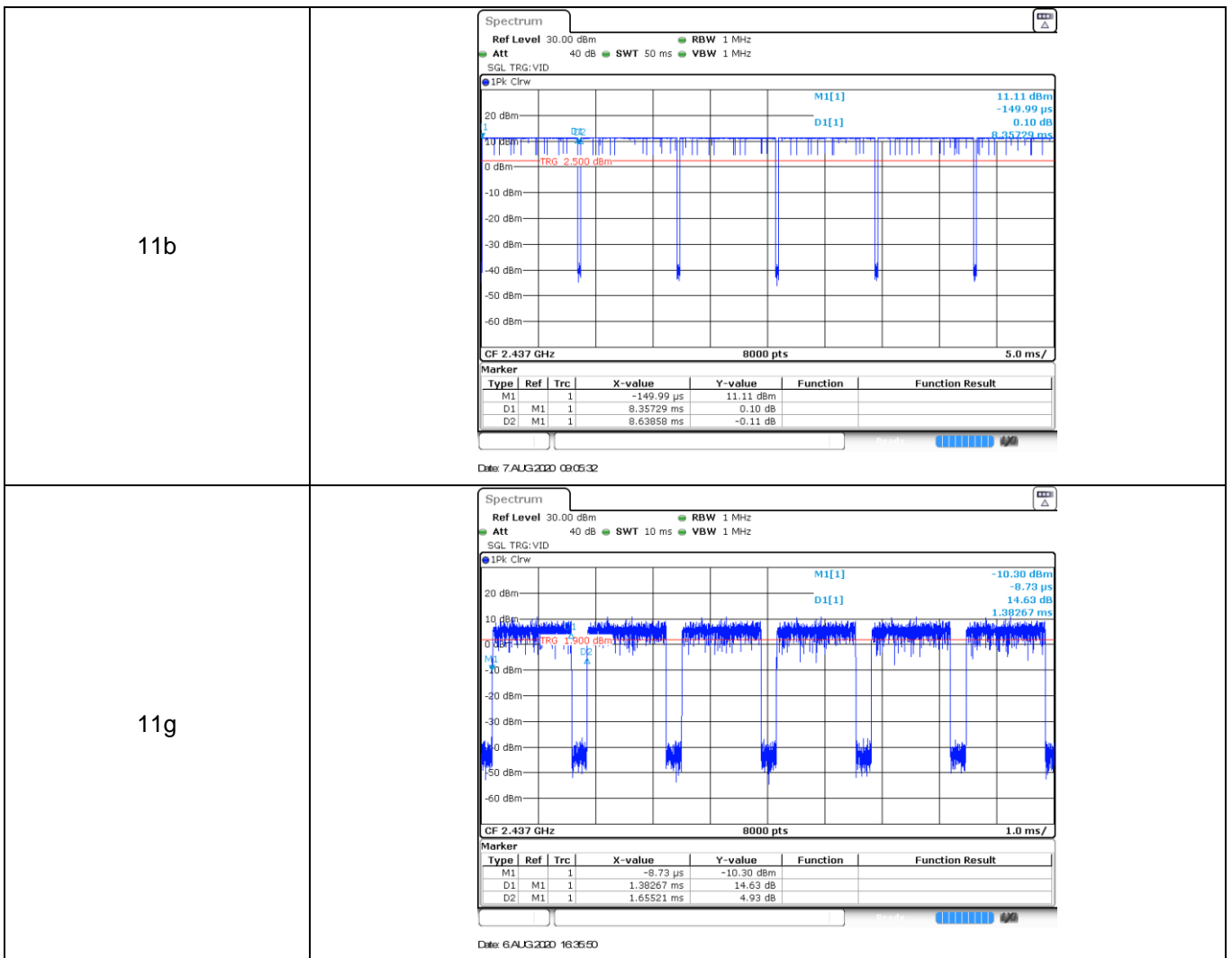
Type:		802.11 g
CH01	<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 1PK View 8.25 dBm 2.4076840 GHz 17.022977023 MHz CF 2.412 GHz 1001 pts Span 30.0 MHz Date: 6 AUG 2020 16:29:18 </p>	
CH06	<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 1PK View 8.20 dBm 2.4422150 GHz 17.022977023 MHz CF 2.437 GHz 1001 pts Span 30.0 MHz Date: 6 AUG 2020 16:38:03 </p>	
CH11	<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 1PK View 8.01 dBm 2.4565750 GHz 16.903096903 MHz CF 2.462 GHz 1001 pts Span 30.0 MHz Date: 6 AUG 2020 16:38:23 </p>	

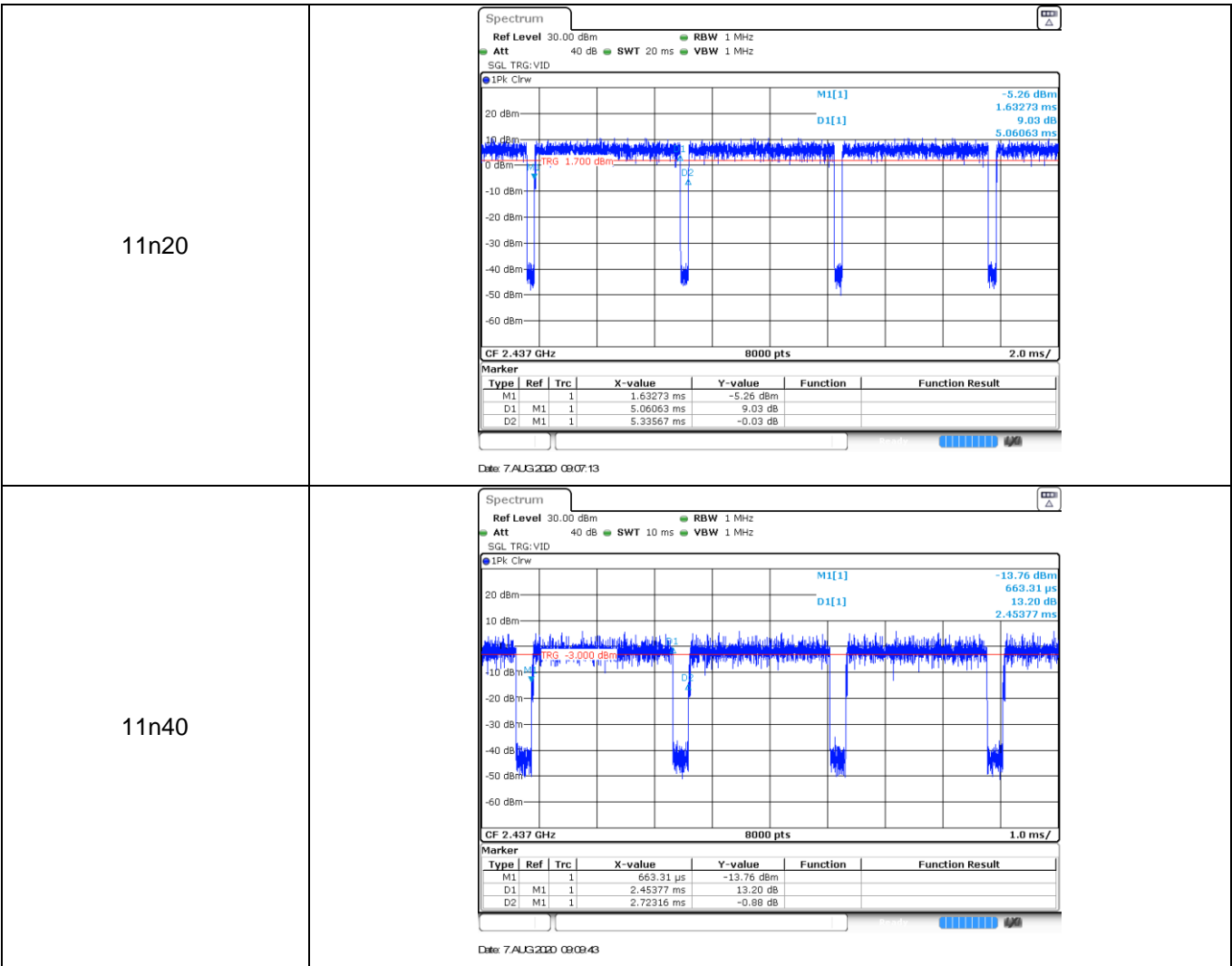
Type:		802.11n(HT20)
CH01	 <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>8.93 dBm 2.4173650 GHz 17.802197802 MHz</p> <p>CF 2.412 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 6 AUG 2020 16:42:21</p>	
CH06	 <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>9.21 dBm 2.4302570 GHz 17.802197802 MHz</p> <p>CF 2.437 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 6 AUG 2020 16:45:01</p>	
CH11	 <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>8.63 dBm 2.4564860 GHz 17.892107892 MHz</p> <p>CF 2.462 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 6 AUG 2020 16:47:22</p>	

Type:		802.11n(HT40)
CH03	 <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>IPK View</p> <p>M1</p> <p>M1[1] 9.68 dBm 2.4117500 GHz 36.683316683 MHz</p> <p>Occ Bw</p> <p>CF 2.422 GHz 1001 pts Span 60.0 MHz</p> <p>Date: 6 AUG 2010 16:50:01</p>	
CH06	 <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>IPK View</p> <p>M1</p> <p>M1[1] 9.55 dBm 2.4266900 GHz 36.683316683 MHz</p> <p>Occ Bw</p> <p>CF 2.437 GHz 1001 pts Span 60.0 MHz</p> <p>Date: 6 AUG 2010 16:53:45</p>	
CH09	 <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>IPK View</p> <p>M1</p> <p>M1[1] 9.72 dBm 2.4416900 GHz 36.683316683 MHz</p> <p>Occ Bw</p> <p>CF 2.452 GHz 1001 pts Span 60.0 MHz</p> <p>Date: 6 AUG 2010 16:58:37</p>	

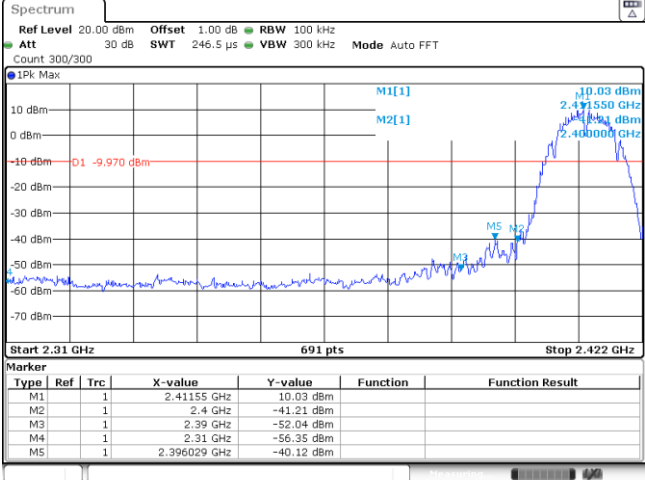

Appendix E: Duty Cycle

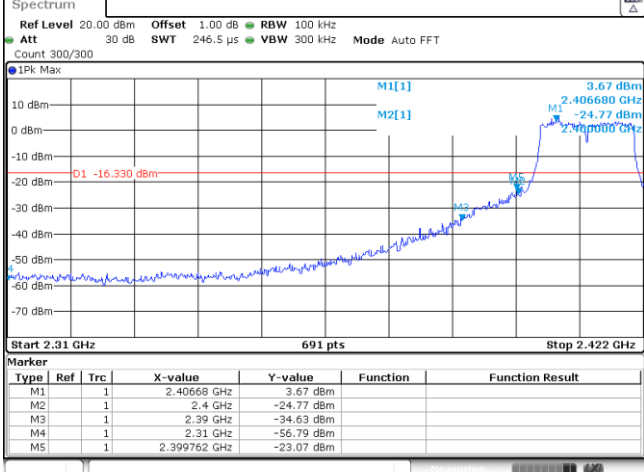
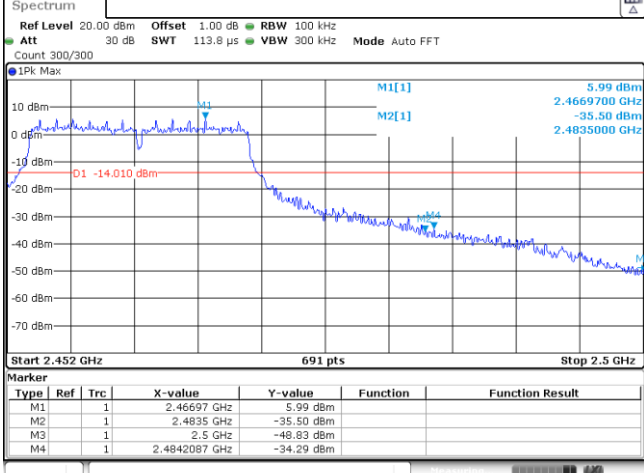
Modulation Type	Test Frequency (MHz)	T _{on time} for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on time} (kHz)
11b	2437	8.36	8.64	96.8%	0.1
11g	2437	1.38	1.66	83.1%	0.7
11n20	2437	5.06	5.34	94.8%	0.2
11n40	2437	2.45	2.72	90.1%	0.4

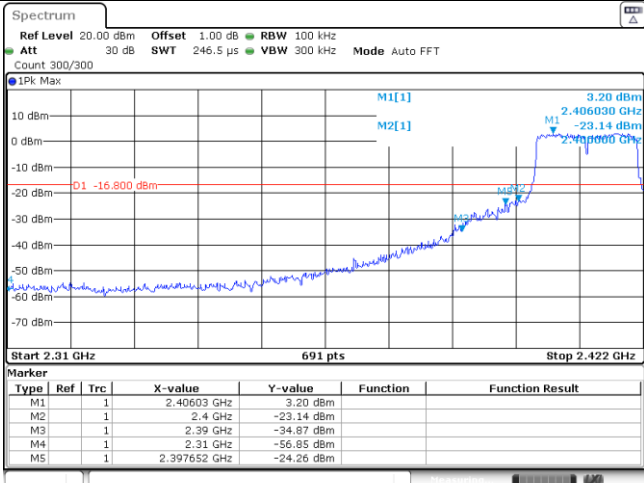
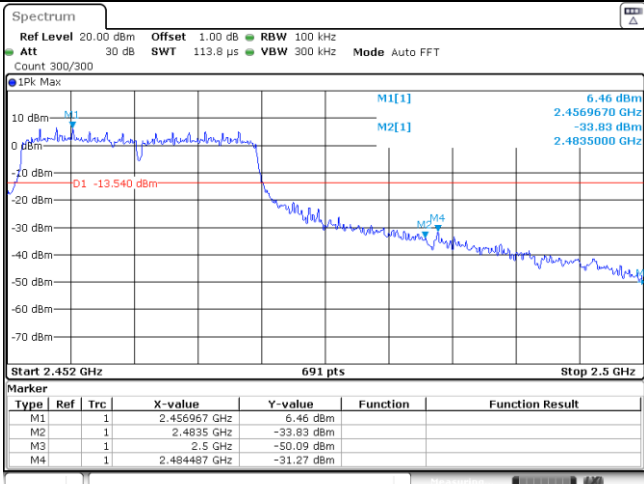


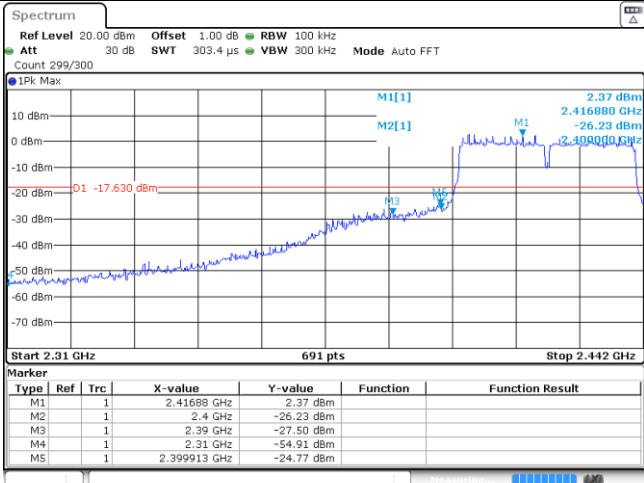
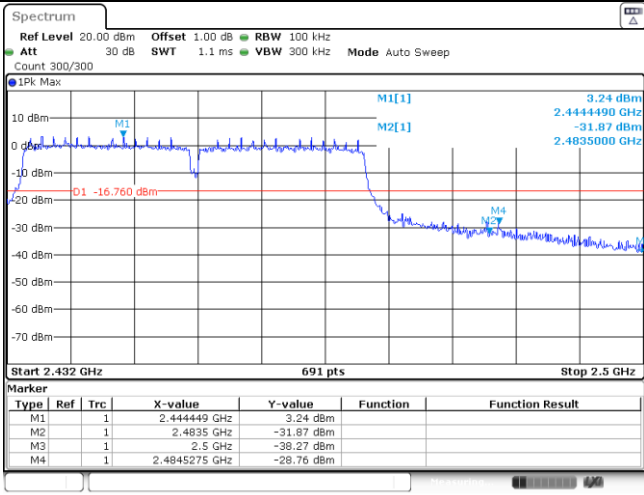


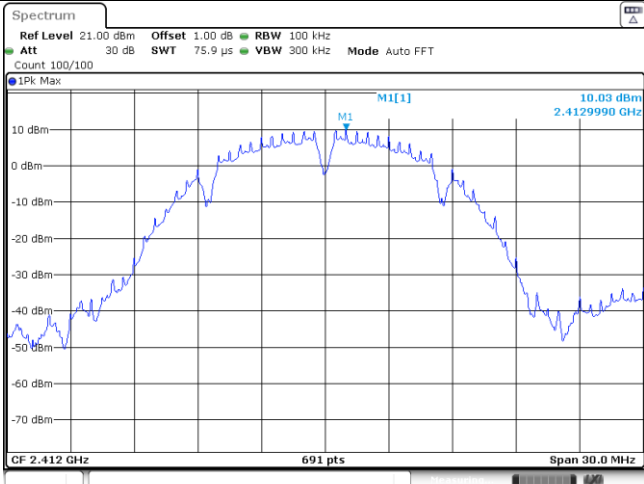
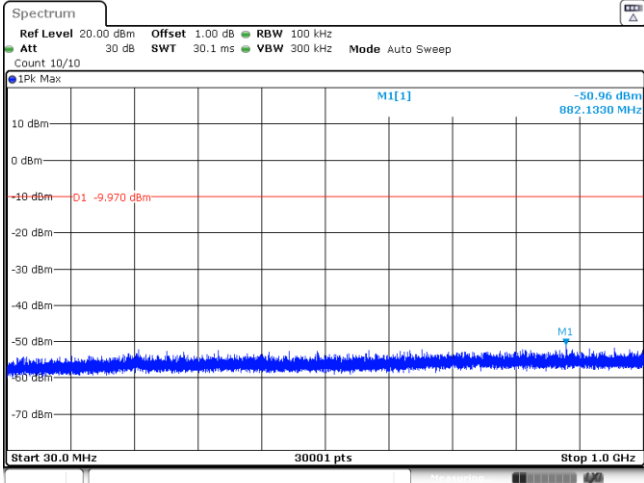
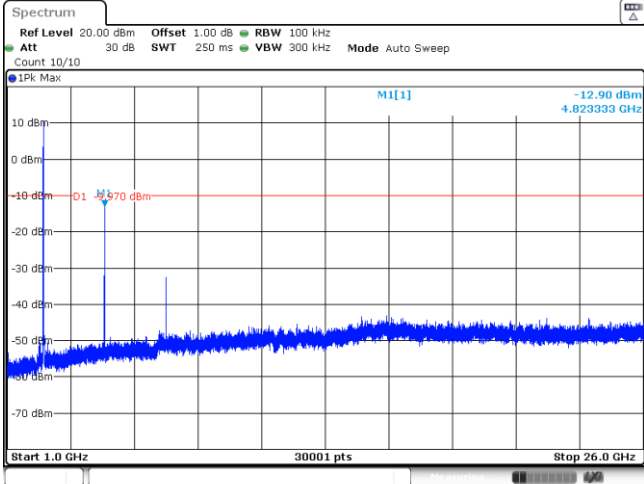
Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Bandedge	Type:	802.11 b																																																
CH01	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 246.5 μs VBW 300 kHz Mode Auto FFT Count 300/300</p> <p>1Pk Max</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1[1] 10.03 dBm 2.411550 GHz M2[1] -41.21 dBm 2.400000 GHz</p> <p>Start 2.31 GHz 691 pts Stop 2.422 GHz</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td></td> <td>2.41155 GHz</td> <td>10.03 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td></td> <td>2.4 GHz</td> <td>-41.21 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td></td> <td>2.39 GHz</td> <td>-52.04 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td></td> <td>2.31 GHz</td> <td>-56.35 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td></td> <td>2.396029 GHz</td> <td>-40.12 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6 AUG 2010 16:19:47</p>			Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1			2.41155 GHz	10.03 dBm			M2	1			2.4 GHz	-41.21 dBm			M3	1			2.39 GHz	-52.04 dBm			M4	1			2.31 GHz	-56.35 dBm			M5	1			2.396029 GHz	-40.12 dBm		
Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result																																												
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M5	1			2.396029 GHz	-40.12 dBm																																														
CH11	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 113.8 μs VBW 300 kHz Mode Auto FFT Count 300/300</p> <p>1Pk Max</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1 9.53 dBm 2.4609960 GHz M2[1] -48.64 dBm 2.4835000 GHz</p> <p>Start 2.452 GHz 691 pts Stop 2.5 GHz</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td></td> <td>2.460996 GHz</td> <td>9.53 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td></td> <td>2.4835 GHz</td> <td>-48.64 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td></td> <td>2.5 GHz</td> <td>-54.64 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td></td> <td>2.4874783 GHz</td> <td>-46.75 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6 AUG 2010 16:28:41</p>			Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1			2.460996 GHz	9.53 dBm			M2	1			2.4835 GHz	-48.64 dBm			M3	1			2.5 GHz	-54.64 dBm			M4	1			2.4874783 GHz	-46.75 dBm										
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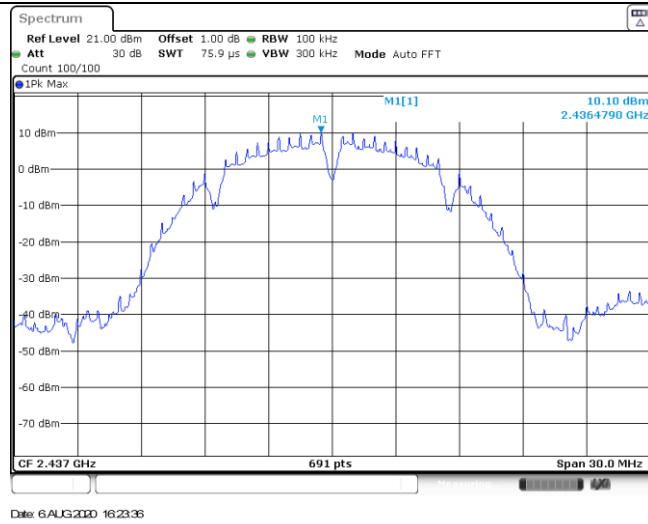
Test Item:	Bandedge	Type:	802.11 g																																																
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M5	1			2.399762 GHz	-23.07 dBm																																														
CH11	 <p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 113.8 μs VBW 300 kHz Mode Auto FFT Count 300/300</p> <p>1PK Max</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>Start 2.452 GHz 691 pts Stop 2.5 GHz</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td></td> <td>2.46697 GHz</td> <td>-5.99 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td></td> <td>2.4835 GHz</td> <td>-35.50 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td></td> <td>2.5 GHz</td> <td>-48.83 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td></td> <td>2.4842087 GHz</td> <td>-34.29 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Dates 6 AUG 2020 16:40:20</p>			Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1			2.46697 GHz	-5.99 dBm			M2	1			2.4835 GHz	-35.50 dBm			M3	1			2.5 GHz	-48.83 dBm			M4	1			2.4842087 GHz	-34.29 dBm										
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Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
CH01	 <p>Marker Table for CH01:</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.40603 GHz</td> <td>3.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-23.14 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-34.87 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-56.85 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.397652 GHz</td> <td>-24.26 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6 AUG 2010 16:43:16</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40603 GHz	3.20 dBm			M2	1		2.4 GHz	-23.14 dBm			M3	1		2.39 GHz	-34.87 dBm			M4	1		2.31 GHz	-56.85 dBm			M5	1		2.397652 GHz	-24.26 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.40603 GHz	3.20 dBm																																									
M2	1		2.4 GHz	-23.14 dBm																																									
M3	1		2.39 GHz	-34.87 dBm																																									
M4	1		2.31 GHz	-56.85 dBm																																									
M5	1		2.397652 GHz	-24.26 dBm																																									
CH11	 <p>Marker Table for CH11:</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.455967 GHz</td> <td>6.46 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-33.83 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-50.09 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.484487 GHz</td> <td>-31.27 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6 AUG 2010 16:48:09</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.455967 GHz	6.46 dBm			M2	1		2.4835 GHz	-33.83 dBm			M3	1		2.5 GHz	-50.09 dBm			M4	1		2.484487 GHz	-31.27 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.455967 GHz	6.46 dBm																																									
M2	1		2.4835 GHz	-33.83 dBm																																									
M3	1		2.5 GHz	-50.09 dBm																																									
M4	1		2.484487 GHz	-31.27 dBm																																									

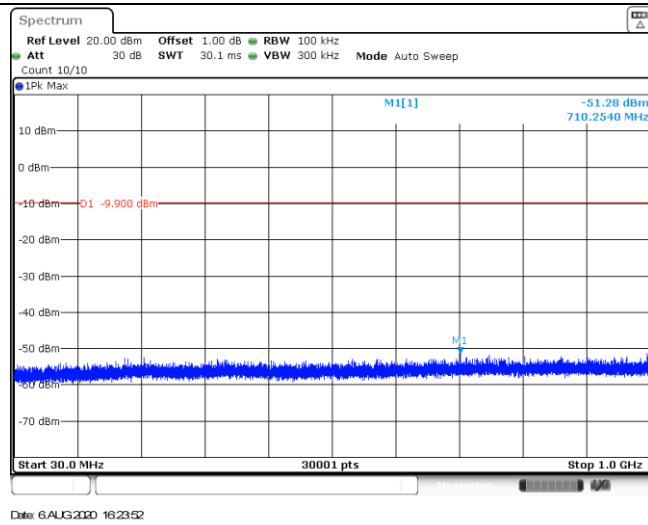
Test Item:	Bandedge	Type:	802.11 n(HT40)																																										
CH03	 <p>Marker</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.41688 GHz</td> <td>-2.37 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-26.23 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-27.50 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-54.91 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399913 GHz</td> <td>-24.77 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6 AUG 2010 16:50:54</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.41688 GHz	-2.37 dBm			M2	1		2.4 GHz	-26.23 dBm			M3	1		2.39 GHz	-27.50 dBm			M4	1		2.31 GHz	-54.91 dBm			M5	1		2.399913 GHz	-24.77 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
M1	1		2.41688 GHz	-2.37 dBm																																									
M2	1		2.4 GHz	-26.23 dBm																																									
M3	1		2.39 GHz	-27.50 dBm																																									
M4	1		2.31 GHz	-54.91 dBm																																									
M5	1		2.399913 GHz	-24.77 dBm																																									
CH09	 <p>Marker</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.444449 GHz</td> <td>-3.24 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-31.87 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-38.27 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.4845275 GHz</td> <td>-28.76 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6 AUG 2010 16:50:04</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.444449 GHz	-3.24 dBm			M2	1		2.4835 GHz	-31.87 dBm			M3	1		2.5 GHz	-38.27 dBm			M4	1		2.4845275 GHz	-28.76 dBm									
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M4	1		2.4845275 GHz	-28.76 dBm																																									

Test Item:	SE	Type:	802.11b
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<p>CH01 30MHz~1000MHz</p>			
<p>CH01 1GHz~26GHz</p>			

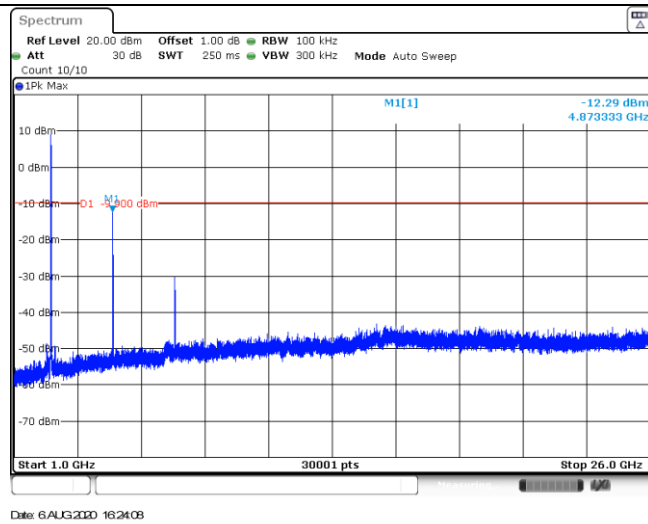
CH06
Reference level



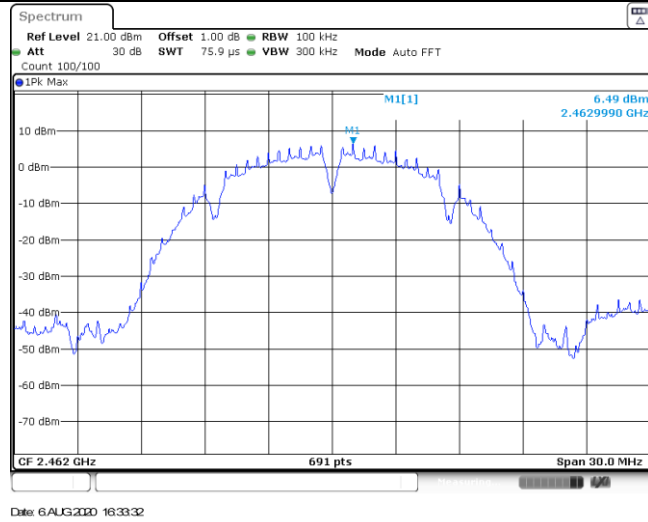
CH06
30MHz~1000MHz



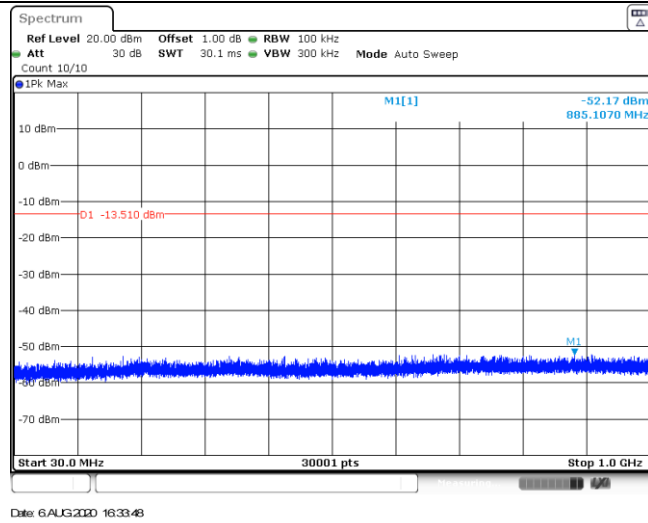
CH06
1GHz~26GHz



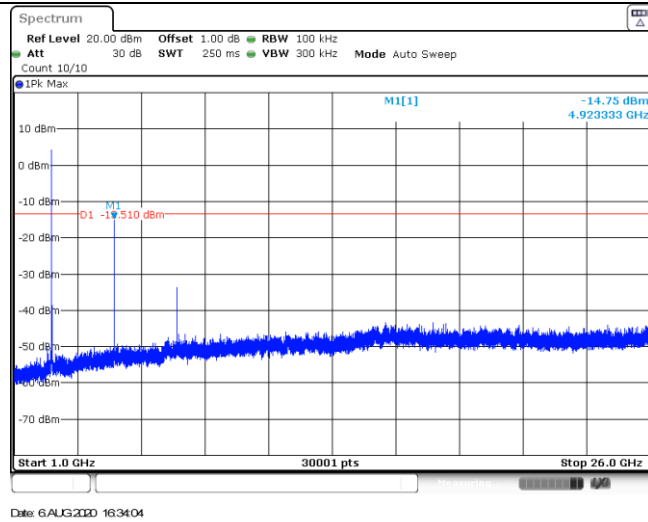
CH11
Reference level



CH11
30MHz~1000MHz



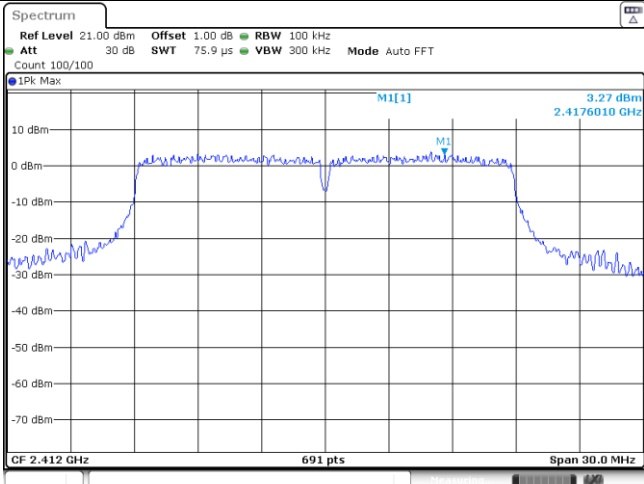
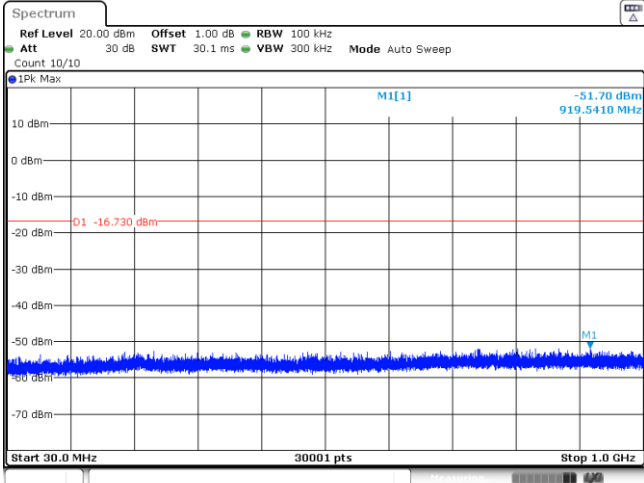
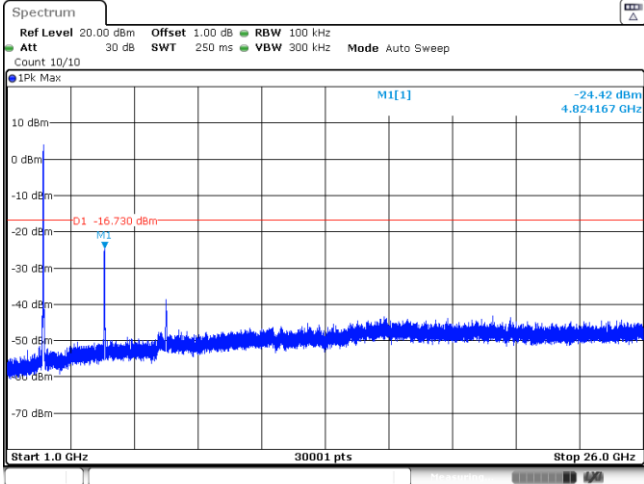
CH11
1GHz~26GHz



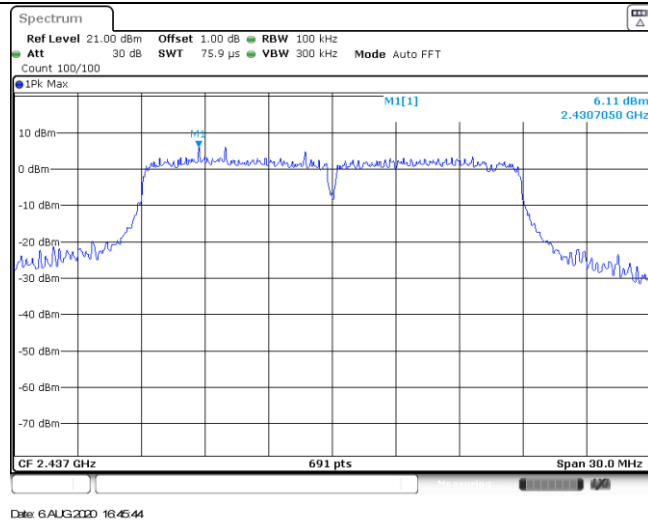
Test Item:	SE	Type:	802.11g
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<p>CH01 30MHz~1000MHz</p>		<p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1Pk Max -51.27 dBm 980.9720 MHz D1 -13.830 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 6 AUG 2020 16:31:41</p>	
<p>CH01 1GHz~26GHz</p>		<p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1Pk Max -26.22 dBm 4.824167 GHz D1 -13.830 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 6 AUG 2020 16:31:57</p>	

<p>CH06 Reference level</p>	<p>Spectrum Ref Level 21.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 1Pk Max 6.48 dBm 2.4307050 GHz CF 2.437 GHz 691 pts Span 30.0 MHz Date: 7 AUG 2010 09:03:00</p>
<p>CH06 30MHz~1000MHz</p>	<p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1Pk Max -51.43 dBm 908.7420 MHz D1 -13.350 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 7 AUG 2010 09:03:16</p>
<p>CH06 1GHz~26GHz</p>	<p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1Pk Max -24.46 dBm 4.875000 GHz D1 -13.350 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 7 AUG 2010 09:03:32</p>

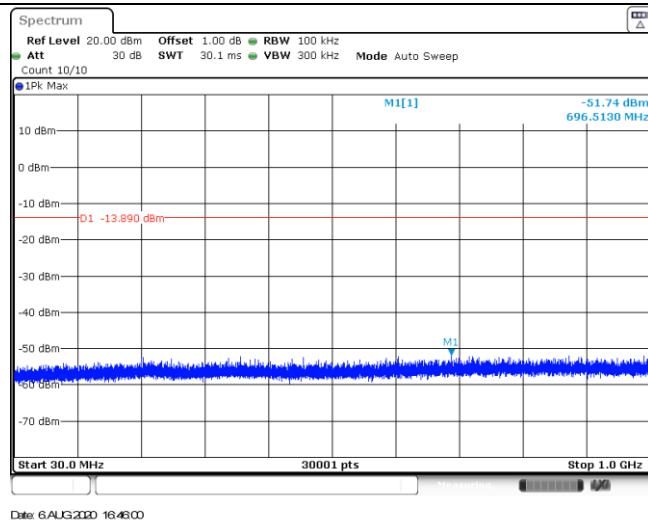
<p>CH11 Reference level</p>	<p>Spectrum Ref Level 21.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 IPK Max 6.46 dBm 2.4557050 GHz CF 2.462 GHz 691 pts Span 30.0 MHz Date: 6.AUG.2020 16:40:26</p>
<p>CH11 30MHz~1000MHz</p>	<p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPK Max -51.90 dBm 816.6600 MHz D1 -13.540 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 6.AUG.2020 16:40:42</p>
<p>CH11 1GHz~26GHz</p>	<p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPK Max -22.67 dBm 4.928333 GHz D1 -13.540 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 6.AUG.2020 16:40:58</p>

Test Item:	SE	Type:	802.11n(HT20)
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<p>CH01 30MHz~1000MHz</p>			
<p>CH01 1GHz~26GHz</p>			

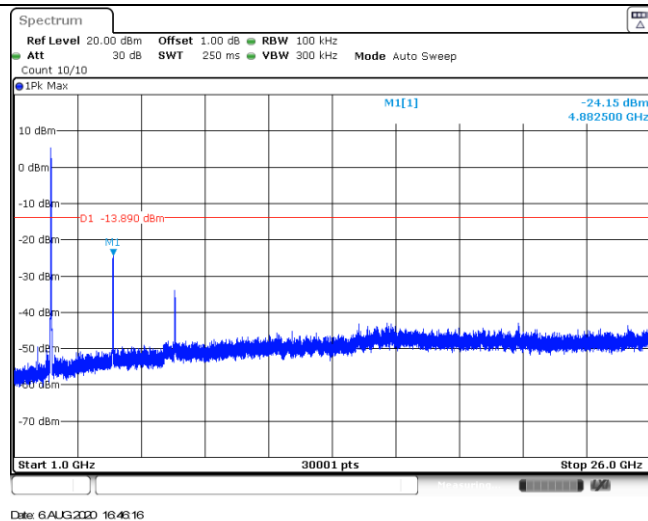
CH06
Reference level



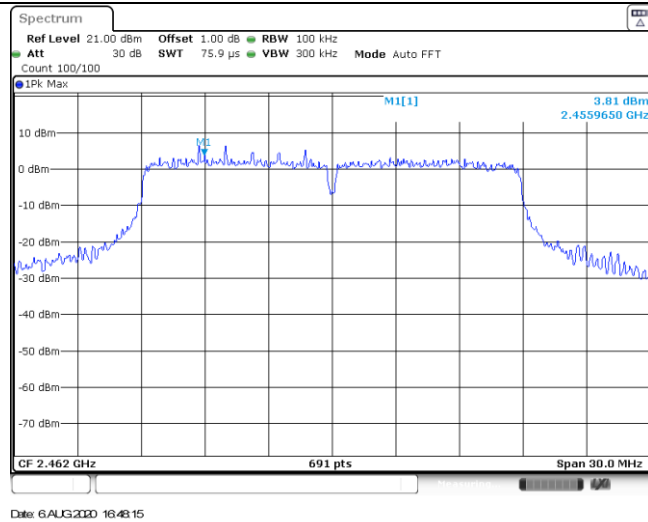
CH06
30MHz~1000MHz



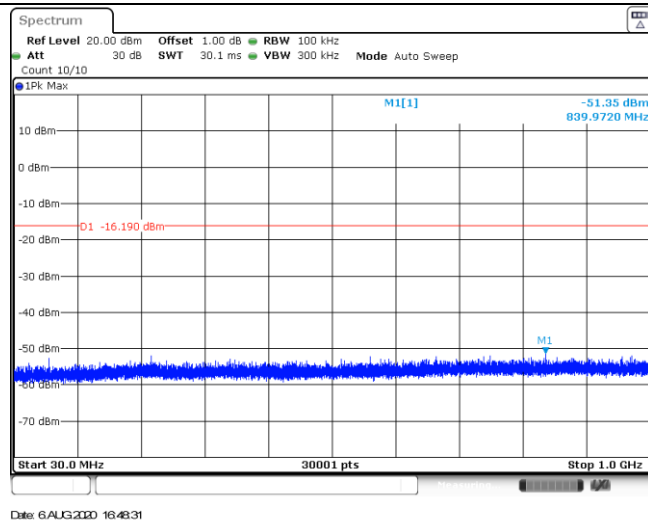
CH06
1GHz~26GHz



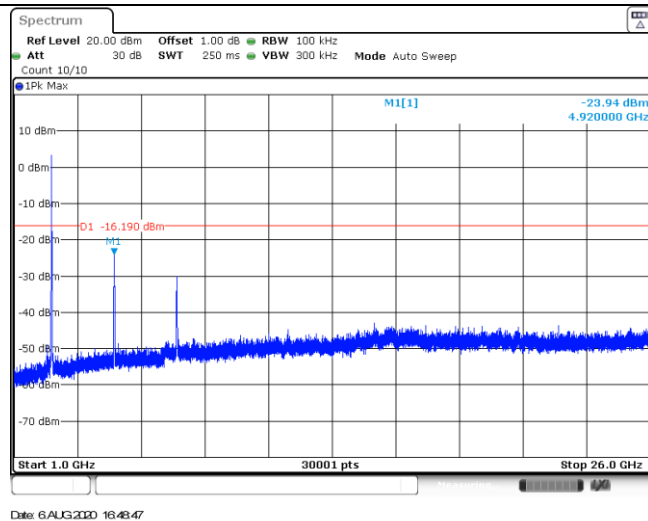
CH11
Reference level

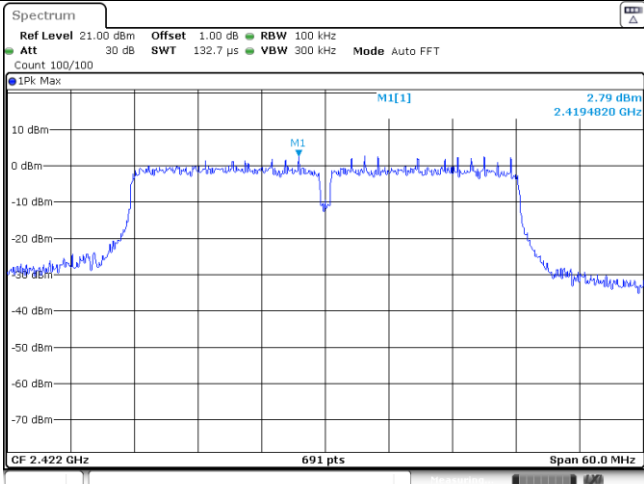
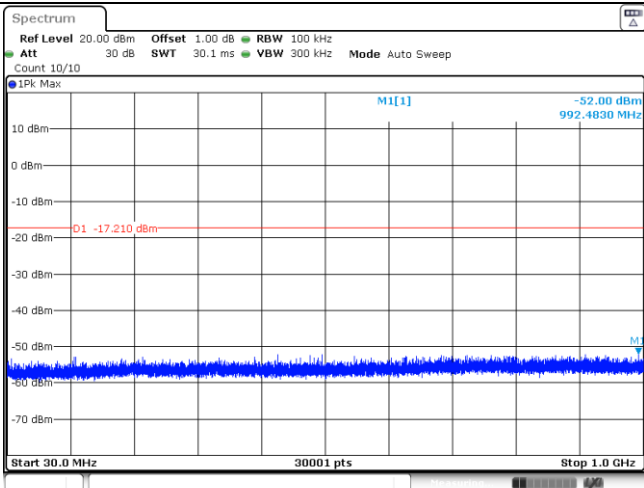
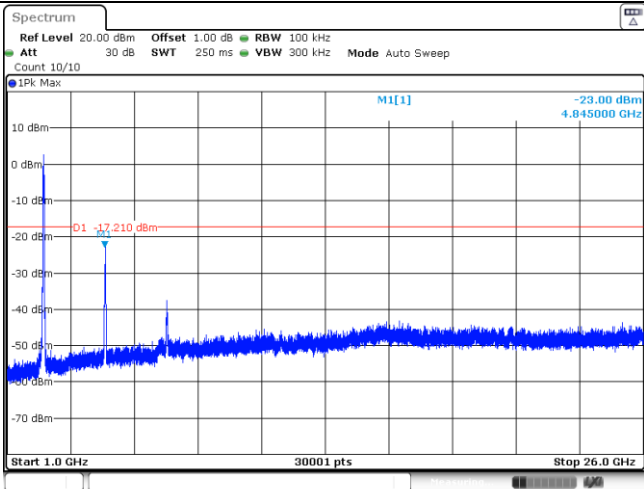


CH11
30MHz~1000MHz

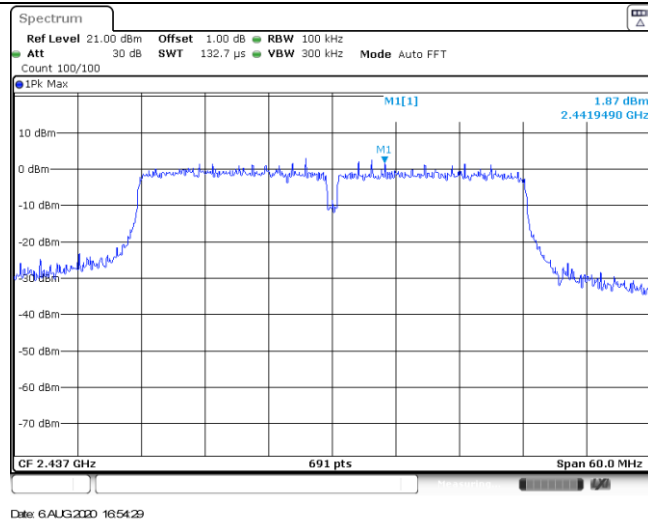


CH11
1GHz~26GHz

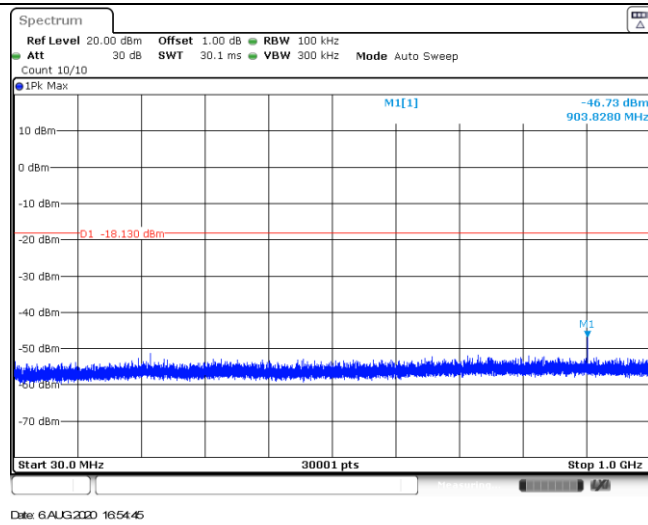


Test Item:	SE	Type:	802.11n(HT40)
<p>CH03 Reference level</p>			
<p>CH03 30MHz~1000MHz</p>			
<p>CH03 1GHz~26GHz</p>			

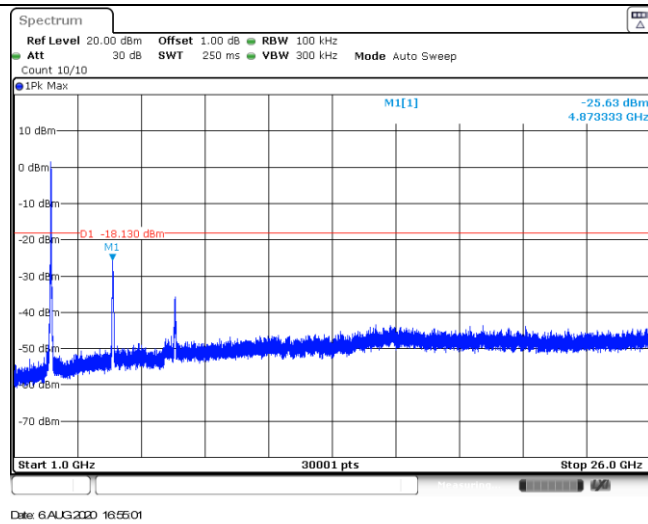
CH06
Reference level



CH06
30MHz~1000MHz



CH06
1GHz~26GHz



<p>CH09 Reference level</p>	
<p>CH09 30MHz~1000MHz</p>	
<p>CH09 1GHz~26GHz</p>	

-----End of Report-----