

APPENDIX REPORT

Project No.	SHT2002002920EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT20020029091	Model No.	AC1C
Start test date	2020/3/15	Finish date	2020/3/17
Temperature	25°C	Humidity	50%
Test Engineer	Jinyue.Yan	Auditor	<i>William.wang</i>

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

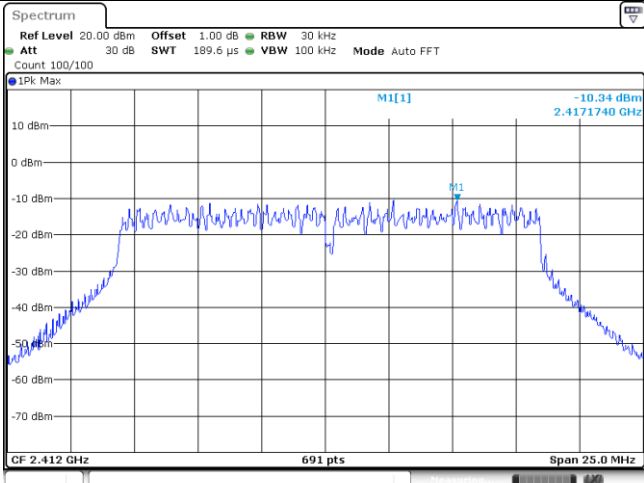
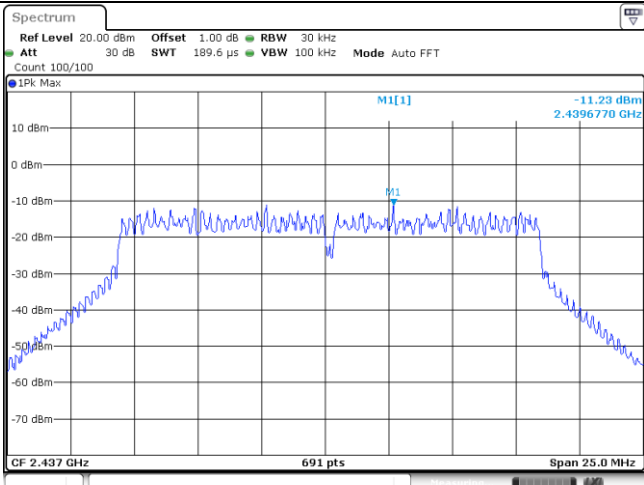
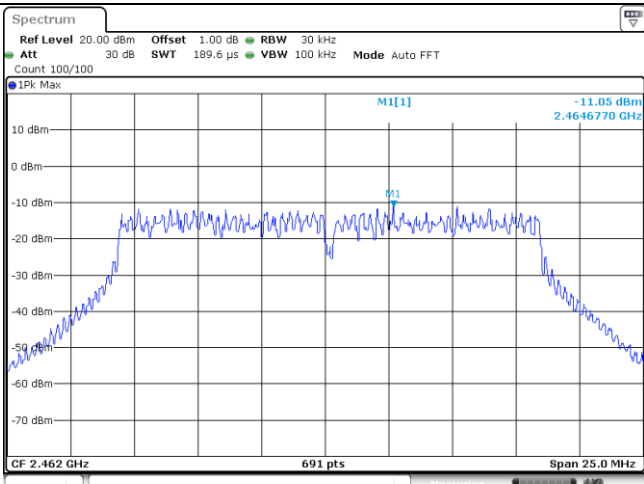
Appendix A: Conducted Peak Output Power

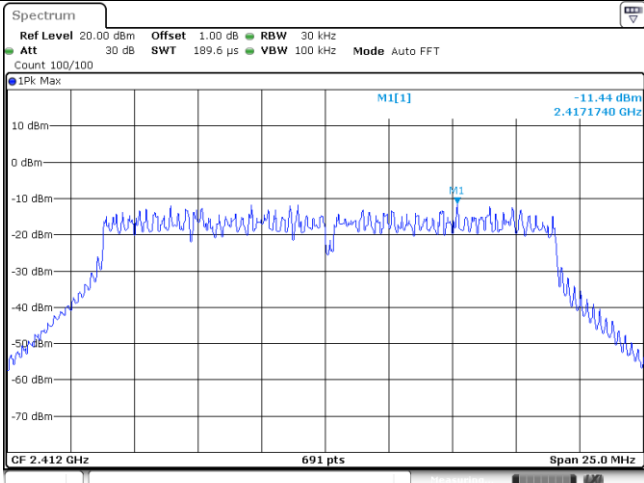
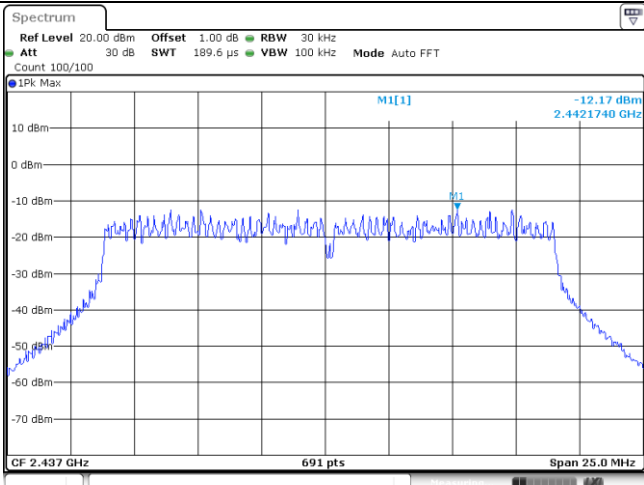
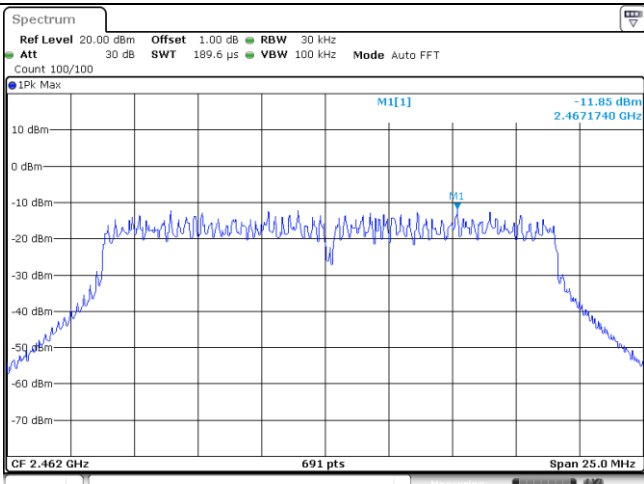
Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	14.12	9.58	≤30.00	Pass
	06	14.17	9.67		
	11	15.17	9.89		
802.11g	01	13.95	9.74	≤30.00	Pass
	06	13.21	9.70		
	11	13.36	10.19		
802.11n(HT20)	01	12.74	9.30	≤30.00	Pass
	06	12.06	8.60		
	11	12.44	9.07		
802.11n(HT40)	03	11.64	8.40	≤30.00	Pass
	06	11.39	7.88		
	09	11.75	8.43		

Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	-5.89	≤8.00	Pass
	06	-6.02		
	11	-4.67		
802.11g	01	-10.34	≤8.00	Pass
	06	-11.23		
	11	-11.05		
802.11n(HT20)	01	-11.44	≤8.00	Pass
	06	-12.17		
	11	-11.85		
802.11n(HT40)	03	-15.16	≤8.00	Pass
	06	-15.78		
	09	-15.24		

Type:		802.11 b
CH01		<p> Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 126.4 μs VBW 100 kHz Mode Auto FFT Count 100/100 IPK Max M1[1] -5.89 dBm 2.4132040 GHz CF 2.412 GHz 691 pts Span 16.0 MHz Date: 17 MAR 2020 09:07:32 </p>
CH06		<p> Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 126.4 μs VBW 100 kHz Mode Auto FFT Count 100/100 IPK Max M1[1] -6.02 dBm 2.4382040 GHz CF 2.437 GHz 691 pts Span 16.0 MHz Date: 17 MAR 2020 09:10:49 </p>
CH11		<p> Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 126.4 μs VBW 100 kHz Mode Auto FFT Count 100/100 IPK Max M1[1] -4.67 dBm 2.4613980 GHz CF 2.462 GHz 691 pts Span 16.0 MHz Date: 17 MAR 2020 09:13:01 </p>

Type:		802.11 g
CH01	 <p>Spectrum plot for CH01. The plot shows a signal peak at 2.4171740 GHz with a power level of -10.34 dBm. The plot includes parameters: 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, and Span 25.0 MHz.</p>	
CH06	 <p>Spectrum plot for CH06. The plot shows a signal peak at 2.4396770 GHz with a power level of -11.23 dBm. The plot includes parameters: 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, and Span 25.0 MHz.</p>	
CH11	 <p>Spectrum plot for CH11. The plot shows a signal peak at 2.4646770 GHz with a power level of -11.05 dBm. The plot includes parameters: 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, and Span 25.0 MHz.</p>	

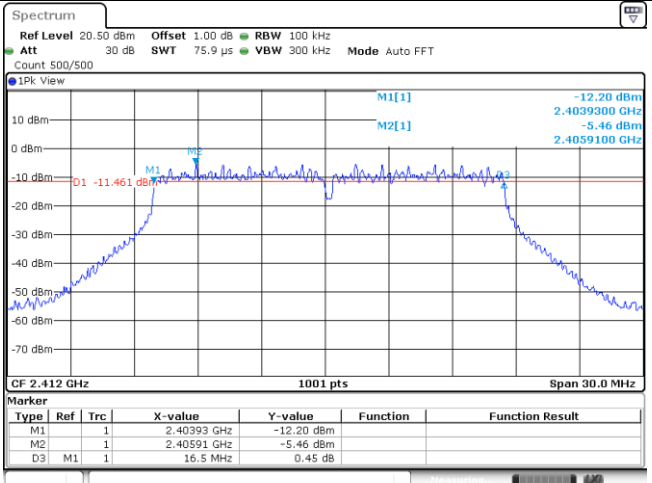
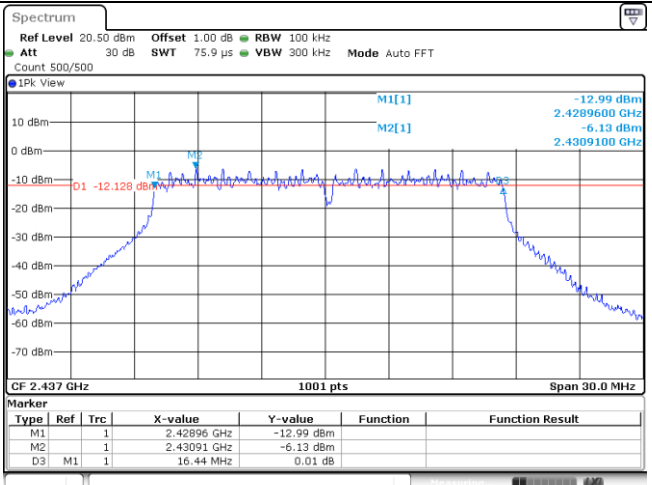
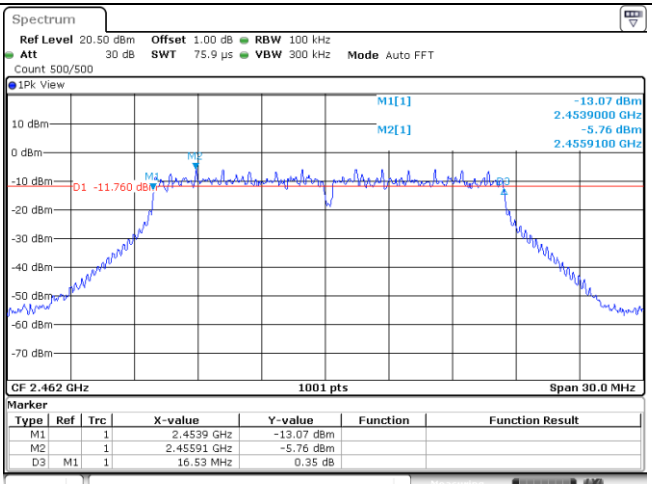
Type:		802.11n(HT20)
CH01	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -11.44 dBm 2.4171740 GHz</p> <p>CF 2.412 GHz 691 pts Span 25.0 MHz</p> <p>Date: 17 MAR 2020 09:28:02</p>	
CH06	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -12.17 dBm 2.4421740 GHz</p> <p>CF 2.437 GHz 691 pts Span 25.0 MHz</p> <p>Date: 17 MAR 2020 09:29:30</p>	
CH11	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -11.85 dBm 2.4671740 GHz</p> <p>CF 2.462 GHz 691 pts Span 25.0 MHz</p> <p>Date: 17 MAR 2020 09:32:12</p>	

Type:		802.11n(HT40)
CH03	<p> Spectrum 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 IPK Max -15.16 dBm 2.4171450 GHz M1[1] CF 2.422 GHz 691 pts Span 55.0 MHz Date: 17 MAR 2020 09:35:15 </p>	
CH06	<p> Spectrum 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 IPK Max -15.70 dBm 2.4321450 GHz M1[1] CF 2.437 GHz 691 pts Span 55.0 MHz Date: 17 MAR 2020 09:38:59 </p>	
CH09	<p> Spectrum 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 IPK Max -15.24 dBm 2.4471450 GHz M1[1] CF 2.452 GHz 691 pts Span 55.0 MHz Date: 17 MAR 2020 09:41:18 </p>	

Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	7.95	≥0.5	Pass
	06	7.95		
	11	8.46		
802.11g	01	16.50	≥0.5	Pass
	06	16.44		
	11	16.53		
802.11n(HT20)	01	17.67	≥0.5	Pass
	06	17.67		
	11	17.70		
802.11n(HT40)	03	36.06	≥0.5	Pass
	06	36.42		
	09	36.24		

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</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>2.40801 GHz</td> <td>-8.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.41071 GHz</td> <td>-1.26 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>7.95 MHz</td> <td>0.76 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17 MAR 2020 09:07:09</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.40801 GHz	-8.16 dBm			M2		1	2.41071 GHz	-1.26 dBm			D3	M1	1	7.95 MHz	0.76 dB		
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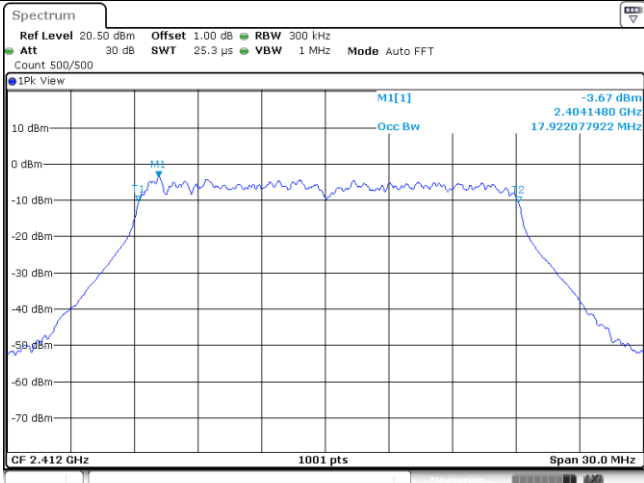
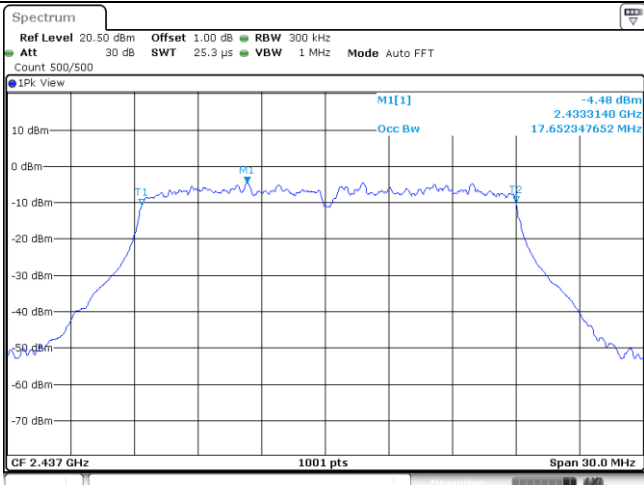
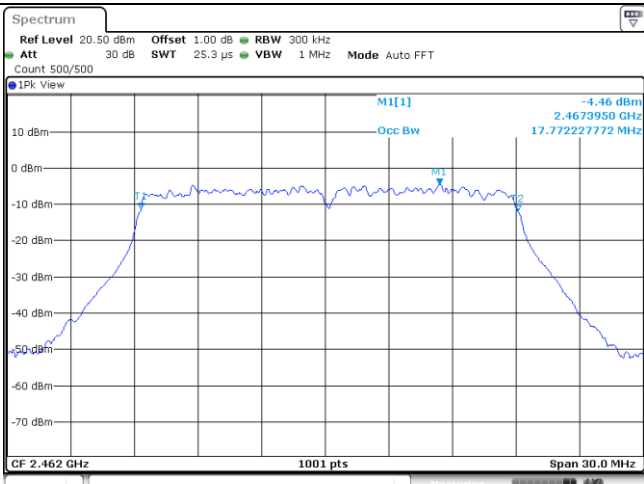
Type:		802.11n(HT40)																												
CH03	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 132.7 μs VBW 300 kHz Mode Auto FFT Count 500/500 IPK View M1[1] -16.64 dBm 2.4040000 GHz M2[1] -10.09 dBm 2.4171400 GHz D1 -16.093 dBm CF 2.422 GHz 1001 pts Span 60.0 MHz</p> <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>2.404 GHz</td> <td>-16.64 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.41714 GHz</td> <td>-10.09 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>36.06 MHz</td> <td>-0.56 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17 MAR 2020 09:34:36</p>		Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.404 GHz	-16.64 dBm			M2		1	2.41714 GHz	-10.09 dBm			D3	M1	1	36.06 MHz	-0.56 dB		
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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] -17.10 dBm 2.4189400 GHz M2[1] -10.79 dBm 2.4346600 GHz D1 -16.792 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>2.41894 GHz</td> <td>-17.10 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.43466 GHz</td> <td>-10.79 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>36.42 MHz</td> <td>-0.81 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17 MAR 2020 09:38:18</p>		Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.41894 GHz	-17.10 dBm			M2		1	2.43466 GHz	-10.79 dBm			D3	M1	1	36.42 MHz	-0.81 dB		
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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] -18.34 dBm 2.4341800 GHz M2[1] -10.28 dBm 2.4571600 GHz D1 -16.282 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>2.43418 GHz</td> <td>-18.34 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.45716 GHz</td> <td>-10.28 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>36.24 MHz</td> <td>-1.22 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17 MAR 2020 09:40:41</p>		Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.43418 GHz	-18.34 dBm			M2		1	2.45716 GHz	-10.28 dBm			D3	M1	1	36.24 MHz	-1.22 dB		
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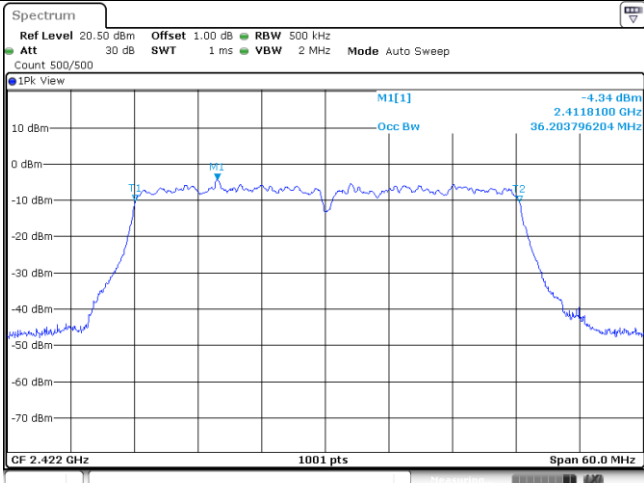
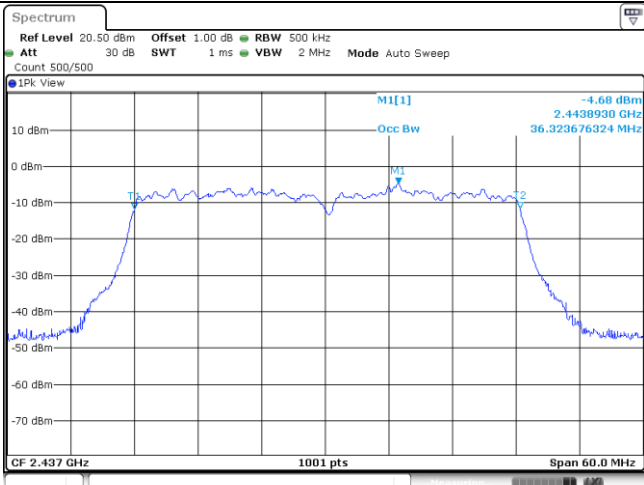
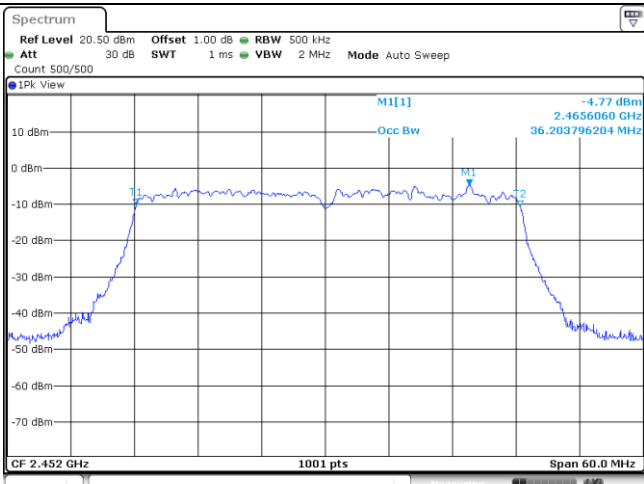
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	13.31	-	Pass
	06	13.31		
	11	13.16		
802.11g	01	16.60	-	Pass
	06	16.60		
	11	16.81		
802.11n(HT20)	01	17.92	-	Pass
	06	17.65		
	11	17.77		
802.11n(HT40)	03	36.20	-	Pass
	06	36.32		
	09	36.20		

Type:		802.11 b
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</p> <p>IPK View</p> <p>M1[1] 2.08 dBm 2.4130190 GHz Occ Bw 13.306693307 MHz</p> <p>CF 2.412 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 17 MAR 2020 09:07:20</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</p> <p>IPK View</p> <p>M1[1] 2.04 dBm 2.4380190 GHz Occ Bw 13.306693307 MHz</p> <p>CF 2.437 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 17 MAR 2020 09:10:36</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</p> <p>IPK View</p> <p>M1[1] 3.08 dBm 2.4626590 GHz Occ Bw 13.156843157 MHz</p> <p>CF 2.462 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 17 MAR 2020 09:12:46</p>	

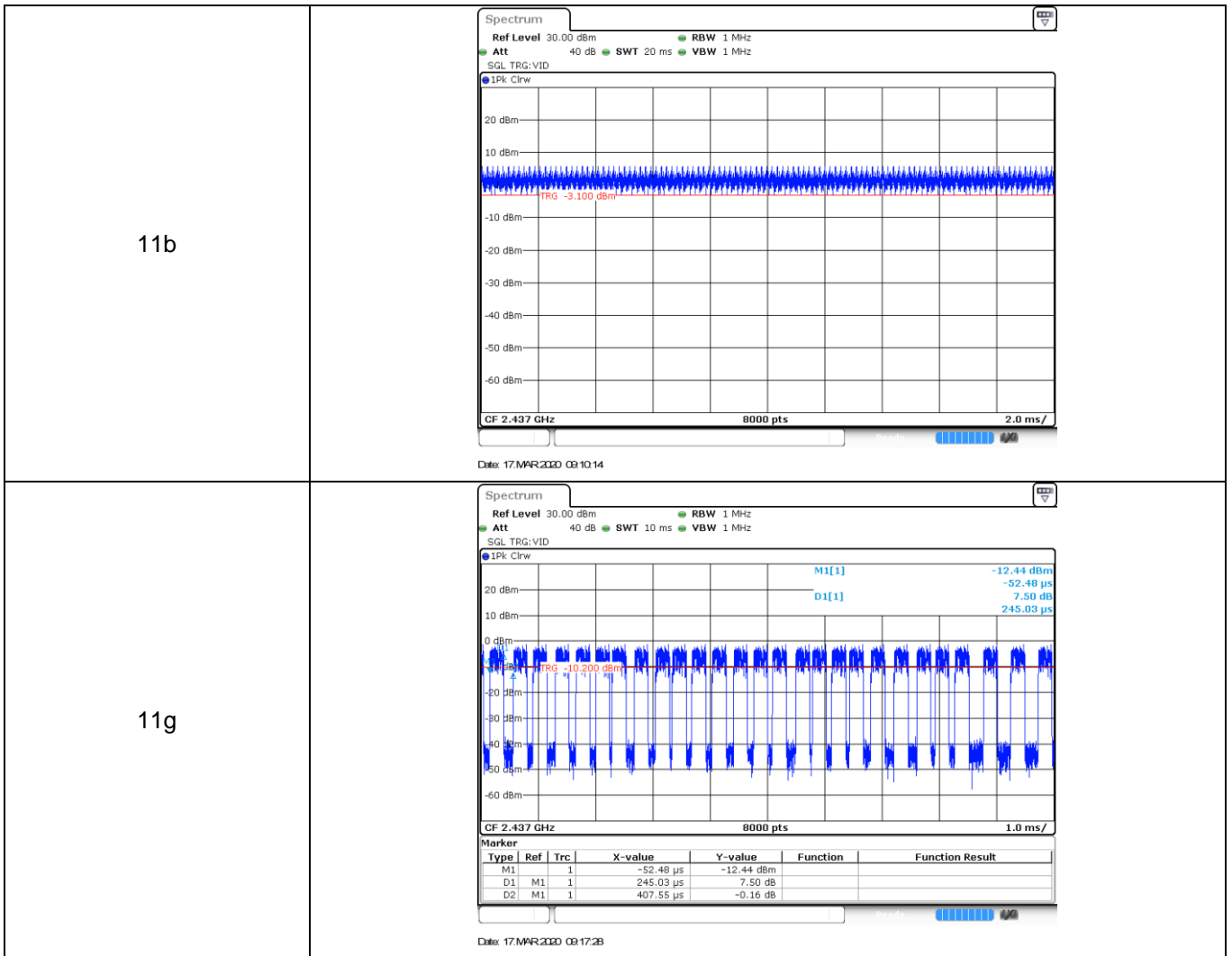
Type:		802.11 g
CH01	<p>CF 2.412 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 17 MAR 2020 09:15:19</p>	
CH06	<p>CF 2.437 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 17 MAR 2020 09:17:46</p>	
CH11	<p>CF 2.462 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 17 MAR 2020 09:19:59</p>	

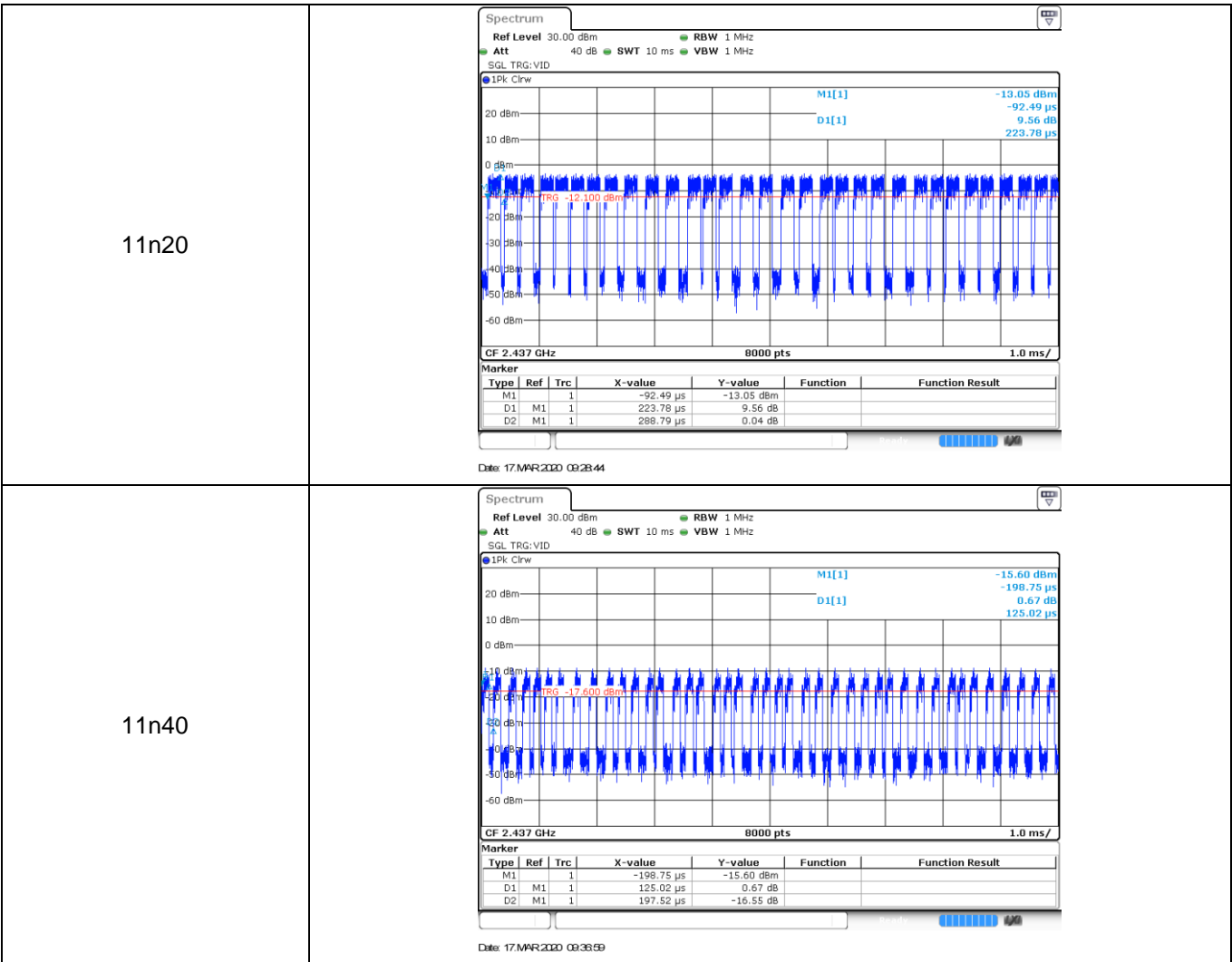
Type:		802.11n(HT20)
CH01	 <p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>M1[1] -3.67 dBm 2.4041480 GHz Occ Bw 17.922077922 MHz</p> <p>CF 2.412 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 17 MAR 2020 09:25:09</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>M1[1] -4.48 dBm 2.4333140 GHz Occ Bw 17.652347652 MHz</p> <p>CF 2.437 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 17 MAR 2020 09:29:02</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>M1[1] -4.46 dBm 2.4673950 GHz Occ Bw 17.772227772 MHz</p> <p>CF 2.462 GHz 1001 pts Span 30.0 MHz</p> <p>Date: 17 MAR 2020 09:31:41</p>	

Type:		802.11n(HT40)
CH03	 <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>M1[1] -4.34 dBm 2.4118100 GHz Occ Bw 36.203796204 MHz</p> <p>CF 2.422 GHz 1001 pts Span 60.0 MHz</p> <p>Date: 17 MAR 2020 09:34:44</p>	
CH06	 <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>M1[1] -4.60 dBm 2.4438930 GHz Occ Bw 36.323676324 MHz</p> <p>CF 2.437 GHz 1001 pts Span 60.0 MHz</p> <p>Date: 17 MAR 2020 09:38:27</p>	
CH09	 <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>M1[1] -4.77 dBm 2.4656060 GHz Occ Bw 36.203796204 MHz</p> <p>CF 2.452 GHz 1001 pts Span 60.0 MHz</p> <p>Date: 17 MAR 2020 09:40:49</p>	

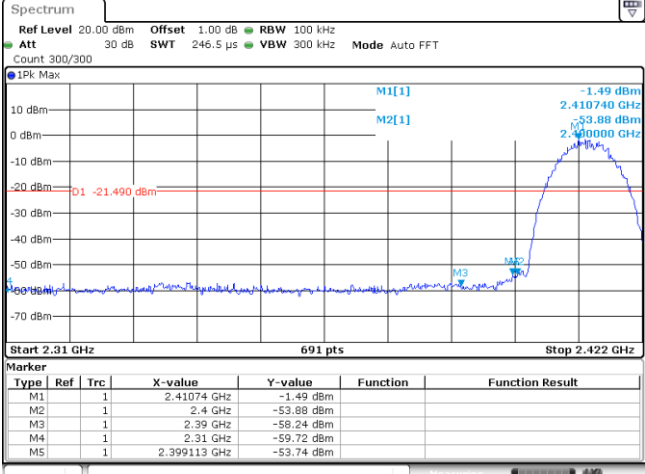
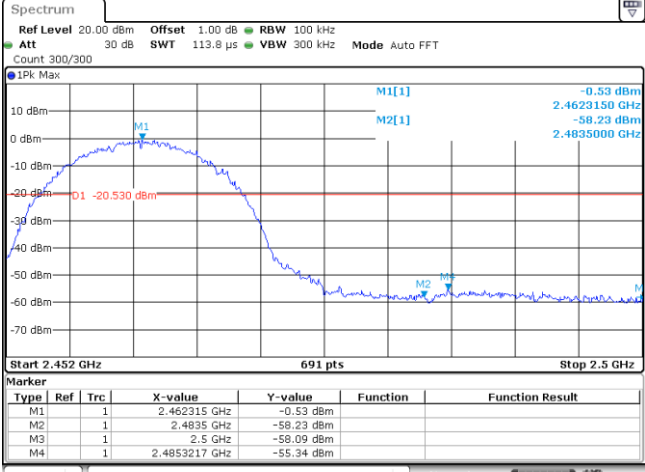
Appendix E: Duty Cycle

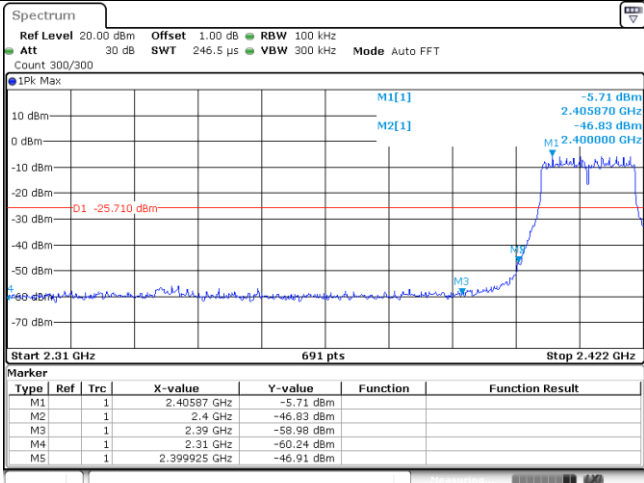
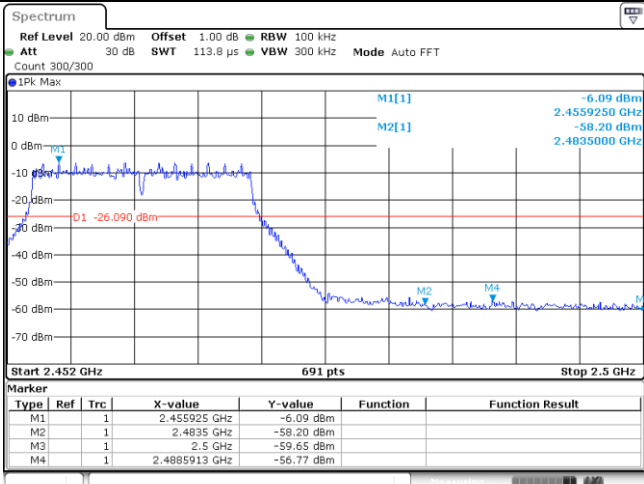
Modulation Type	Test Frequency (MHz)	T _{on time} for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on time} (kHz)
11b	2437	0.00	0.00	100.0%	1.0
11g	2437	0.25	0.41	61.0%	4.0
11n20	2437	0.22	0.29	75.9%	4.5
11n40	2437	0.13	0.20	65.0%	7.7

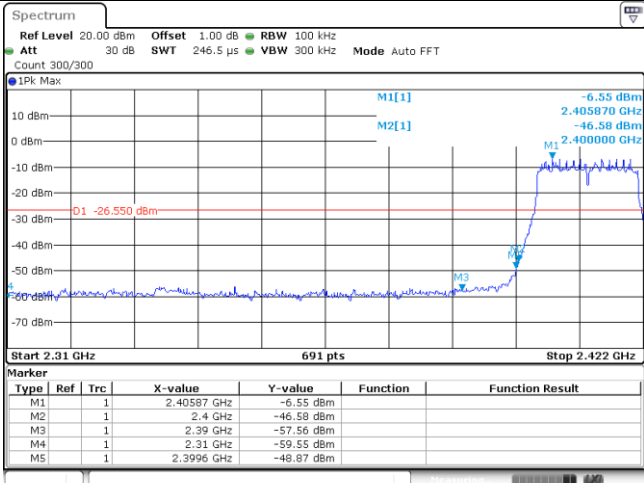
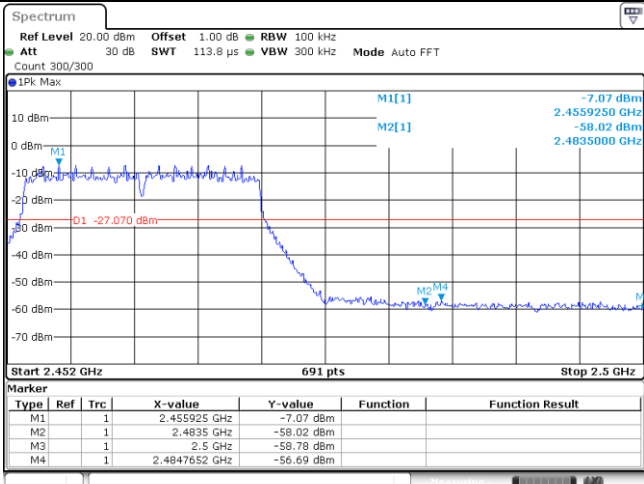




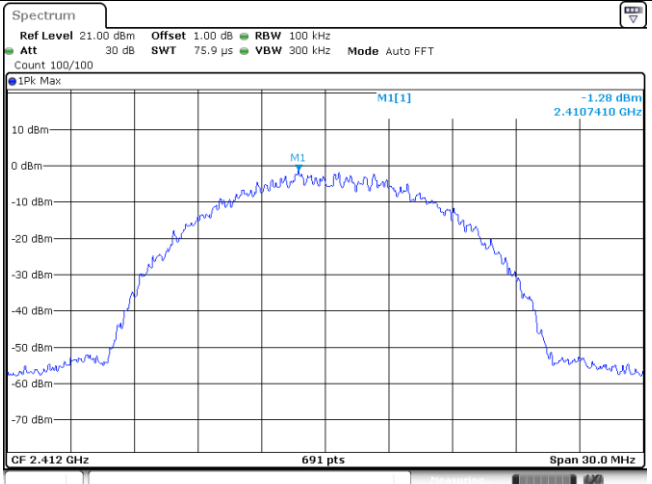
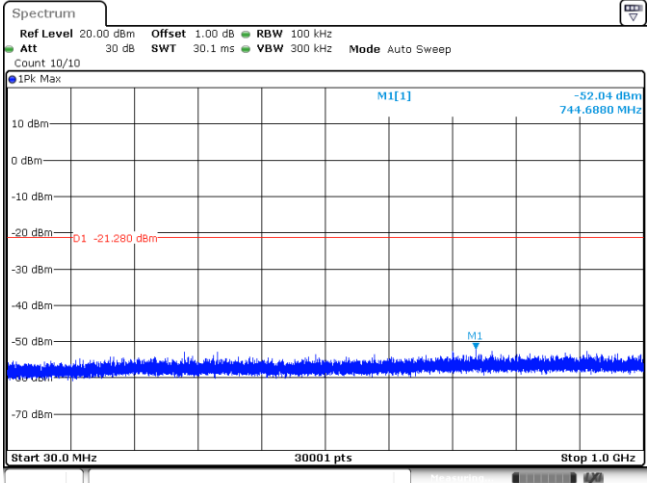
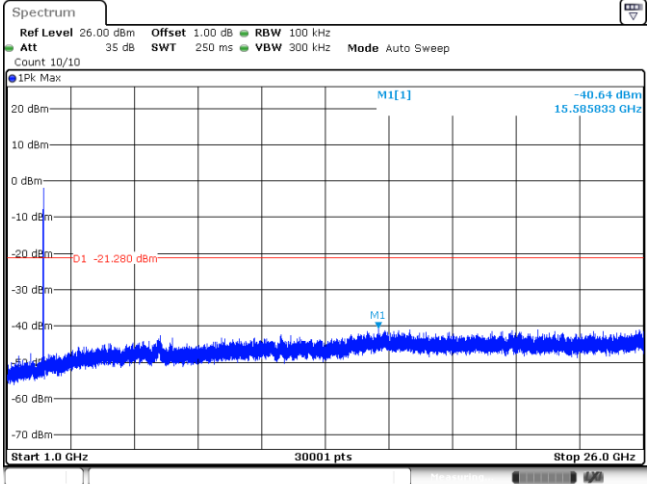
Appendix F: Band edge and Spurious Emissions (conducted)

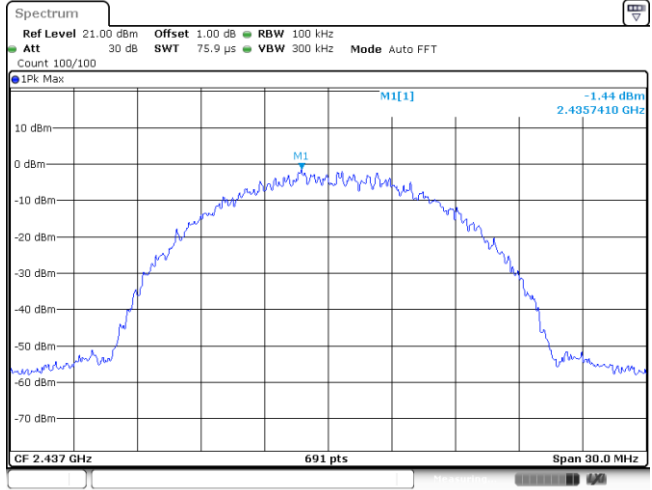
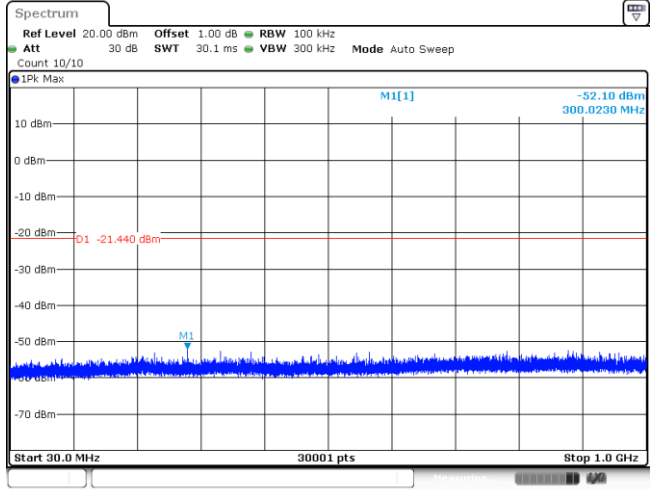
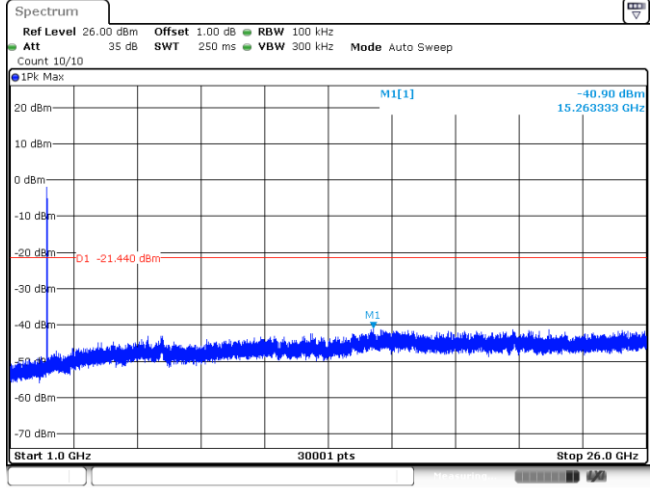
Test Item:	Bandedge	Type:	802.11 b																																										
CH01	 <p>Marker Table:</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.41074 GHz</td> <td>-1.49 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-53.88 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-58.24 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-59.72 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399113 GHz</td> <td>-53.74 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.MAR.2020 09:07:42</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.41074 GHz	-1.49 dBm			M2	1		2.4 GHz	-53.88 dBm			M3	1		2.39 GHz	-58.24 dBm			M4	1		2.31 GHz	-59.72 dBm			M5	1		2.399113 GHz	-53.74 dBm		
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Test Item:	Bandedge	Type:	802.11 g																																										
CH01		 <p>1PK Max</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>Start 2.31 GHz 691 pts Stop 2.422 GHz</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>2.40587 GHz</td> <td>-5.71 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-46.83 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-58.98 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-60.24 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399925 GHz</td> <td>-46.91 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17 MAR 2020 09:15:41</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40587 GHz	-5.71 dBm			M2	1		2.4 GHz	-46.83 dBm			M3	1		2.39 GHz	-58.98 dBm			M4	1		2.31 GHz	-60.24 dBm			M5	1		2.399925 GHz	-46.91 dBm			
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CH11		 <p>1PK Max</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>Start 2.452 GHz 691 pts Stop 2.5 GHz</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>2.455925 GHz</td> <td>-6.09 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-58.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-59.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.4885913 GHz</td> <td>-56.77 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17 MAR 2020 09:22:05</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.455925 GHz	-6.09 dBm			M2	1		2.4835 GHz	-58.20 dBm			M3	1		2.5 GHz	-59.65 dBm			M4	1		2.4885913 GHz	-56.77 dBm										
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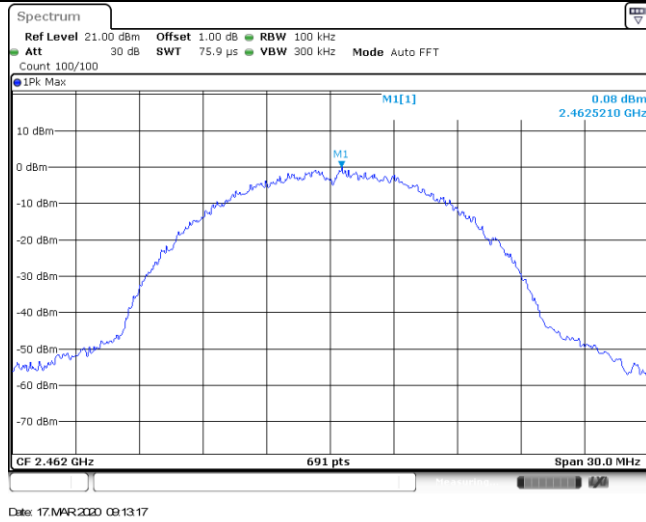
Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
CH01	 <p>Marker Table for CH01:</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.40587 GHz</td> <td>-6.55 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-46.58 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-57.56 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-59.55 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.3996 GHz</td> <td>-48.87 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17 MAR 2020 09:26:49</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.40587 GHz	-6.55 dBm			M2	1		2.4 GHz	-46.58 dBm			M3	1		2.39 GHz	-57.56 dBm			M4	1		2.31 GHz	-59.55 dBm			M5	1		2.3996 GHz	-48.87 dBm		
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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>2.455925 GHz</td> <td>-7.07 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-58.02 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-58.78 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.4847652 GHz</td> <td>-56.69 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17 MAR 2020 09:32:21</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		2.455925 GHz	-7.07 dBm			M2	1		2.4835 GHz	-58.02 dBm			M3	1		2.5 GHz	-58.78 dBm			M4	1		2.4847652 GHz	-56.69 dBm									
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Test Item:	Bandedge	Type:	802.11 n(HT40)																																																
CH03			<p>10 dBm</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm -30.180 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>Start 2.31 GHz 691 pts Stop 2.442 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>1</td> <td></td> <td>2.42586 GHz</td> <td>-10.18 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-45.62 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-58.07 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-59.29 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td>1</td> <td></td> <td>2.399913 GHz</td> <td>-48.39 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17 MAR 2020 09:35:29</p>	Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1		2.42586 GHz	-10.18 dBm			M2	1	1		2.4 GHz	-45.62 dBm			M3	1	1		2.39 GHz	-58.07 dBm			M4	1	1		2.31 GHz	-59.29 dBm			M5	1	1		2.399913 GHz	-48.39 dBm		
Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result																																												
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M5	1	1		2.399913 GHz	-48.39 dBm																																														
CH09			<p>10 dBm</p> <p>0 dBm</p> <p>-10 dBm</p> <p>-20 dBm</p> <p>-30 dBm -30.130 dBm</p> <p>-40 dBm</p> <p>-50 dBm</p> <p>-60 dBm</p> <p>-70 dBm</p> <p>Start 2.432 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>1</td> <td></td> <td>2.447204 GHz</td> <td>-10.13 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-55.26 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-54.42 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td></td> <td>2.4860058 GHz</td> <td>-52.71 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17 MAR 2020 09:41:28</p>	Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1		2.447204 GHz	-10.13 dBm			M2	1	1		2.4835 GHz	-55.26 dBm			M3	1	1		2.5 GHz	-54.42 dBm			M4	1	1		2.4860058 GHz	-52.71 dBm										
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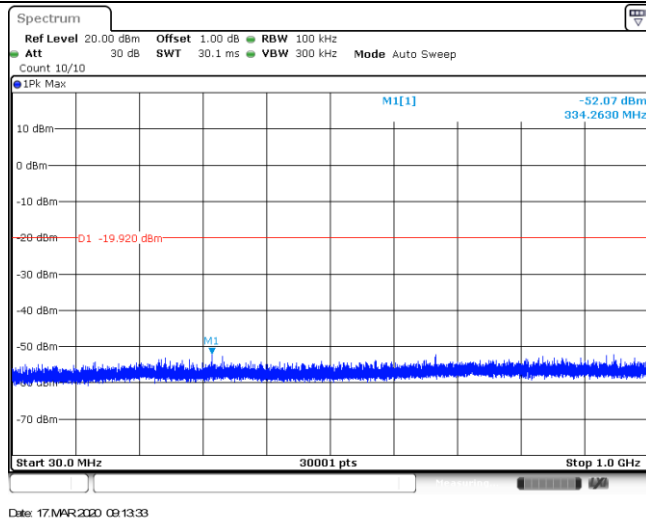
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<p>CH01 30MHz~1000MHz</p>		 <p>Start 30.0 MHz 30001 pts Stop 1.0 GHz</p> <p>Date: 17.MAR.2020 09:08:07</p>	
<p>CH01 1GHz~26GHz</p>		 <p>Start 1.0 GHz 30001 pts Stop 26.0 GHz</p> <p>Date: 17.MAR.2020 09:08:23</p>	

<p>CH06 Reference level</p>	 <p>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 M1[1] -1.44 dBm 2.4357410 GHz CF 2.437 GHz 691 pts Span 30.0 MHz Date: 17.MAR.2020 09:10:55</p>
<p>CH06 30MHz~1000MHz</p>	 <p>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 M1[1] -52.10 dBm 300.0230 MHz D1 -21.440 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 17.MAR.2020 09:11:11</p>
<p>CH06 1GHz~26GHz</p>	 <p>Ref Level 26.00 dBm Offset 1.00 dB RBW 100 kHz Att 35 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPK Max M1[1] -40.90 dBm 15.263333 GHz D1 -21.440 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 17.MAR.2020 09:11:27</p>

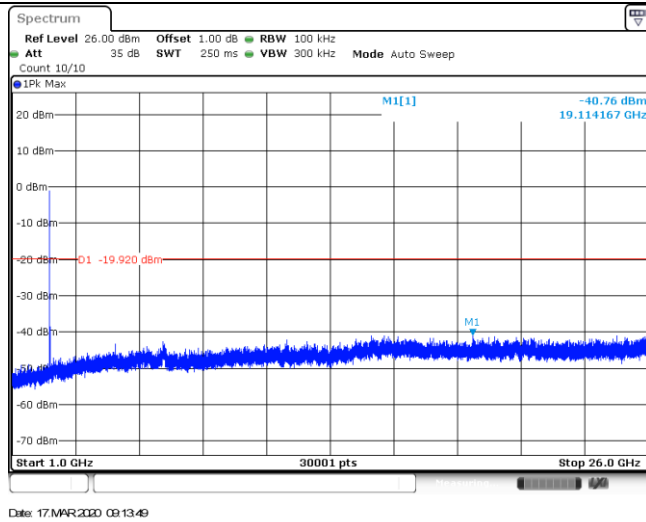
CH11
Reference level

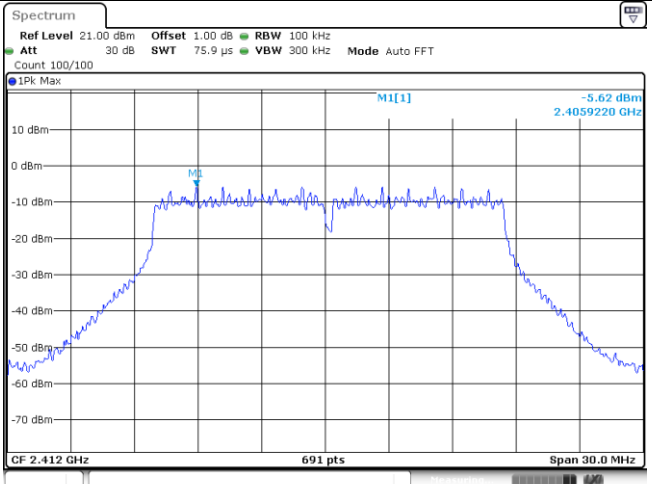
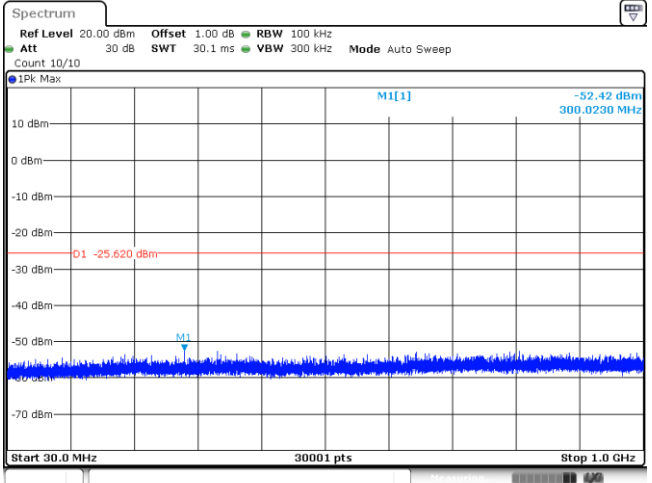
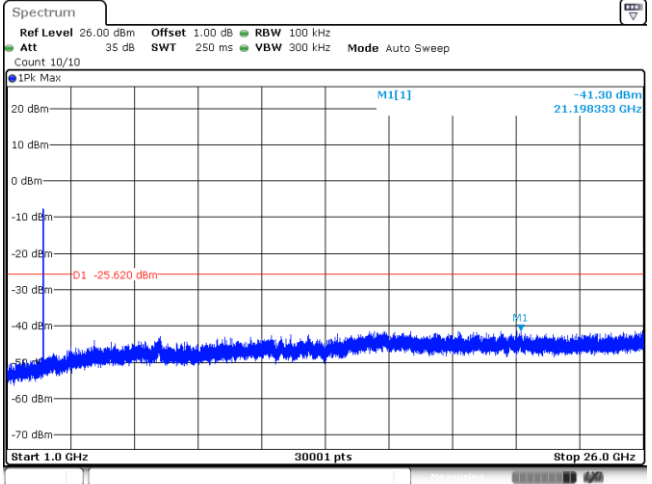


CH11
30MHz~1000MHz



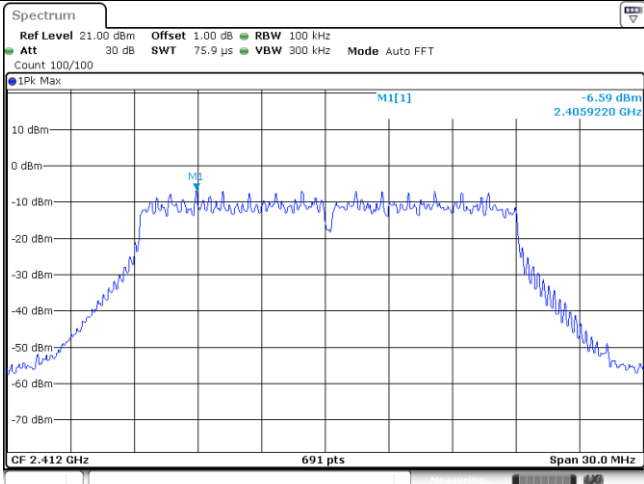
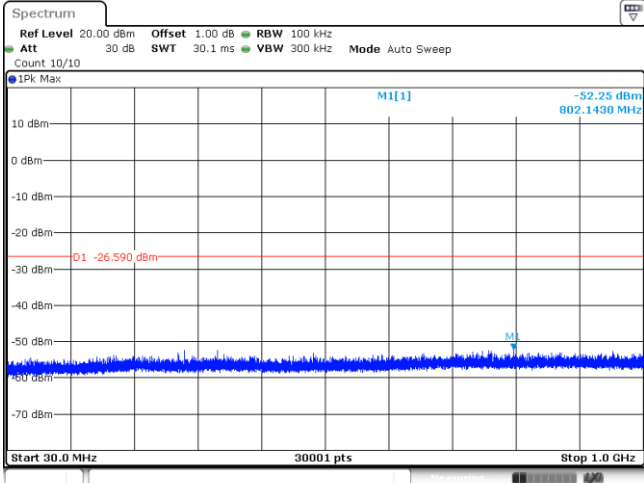
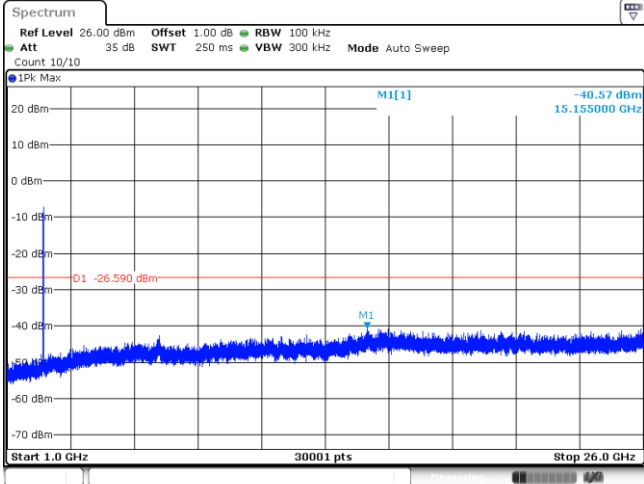
CH11
1GHz~26GHz



Test Item:	SE	Type:	802.11g
<p>CH01 Reference level</p>		 <p>Spectrum</p> <p>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</p> <p>1Pk Max</p> <p>M1[1] -5.62 dBm 2.4059220 GHz</p> <p>CF 2.412 GHz 691 pts Span 30.0 MHz</p> <p>Date: 17.MAR.2020 09:15:46</p>	
<p>CH01 30MHz~1000MHz</p>		 <p>Spectrum</p> <p>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</p> <p>1Pk Max</p> <p>M1[1] -52.42 dBm 300.0230 MHz</p> <p>O1 -25.620 dBm</p> <p>Start 30.0 MHz 30001 pts Stop 1.0 GHz</p> <p>Date: 17.MAR.2020 09:16:04</p>	
<p>CH01 1GHz~26GHz</p>		 <p>Spectrum</p> <p>Ref Level 26.00 dBm Offset 1.00 dB RBW 100 kHz Att 35 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10</p> <p>1Pk Max</p> <p>M1[1] -41.30 dBm 21.198333 GHz</p> <p>O1 -25.620 dBm</p> <p>Start 1.0 GHz 30001 pts Stop 26.0 GHz</p> <p>Date: 17.MAR.2020 09:16:20</p>	

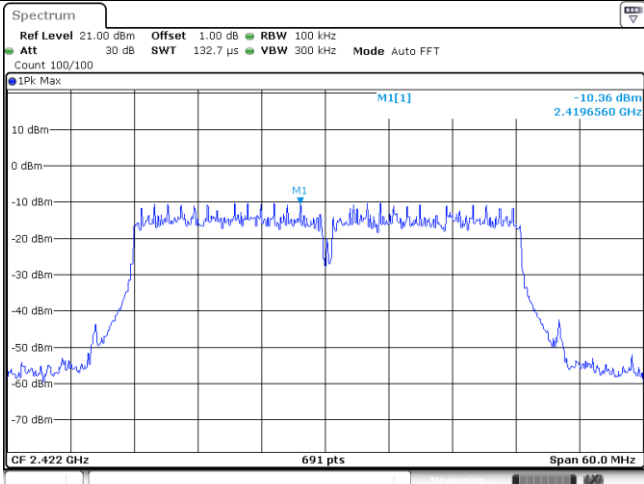
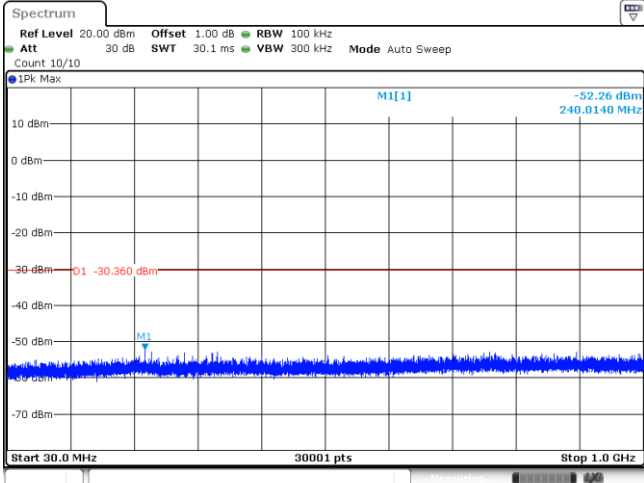
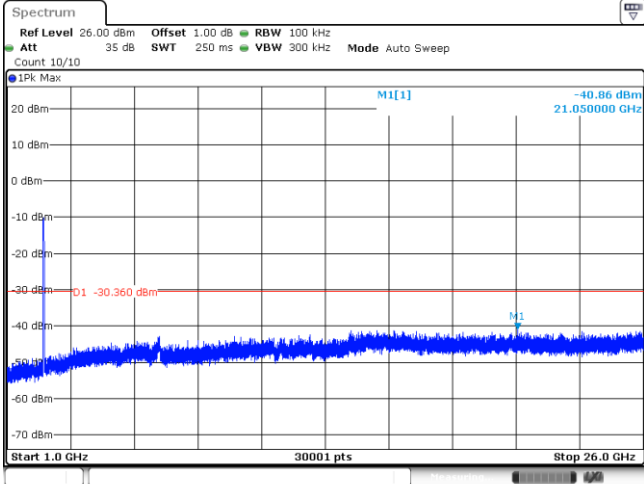
<p>CH06 Reference level</p>	<p>Spectrum Ref Level 21.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 IPK Max -6.24 dBm 2.4309220 GHz M1[1] CF 2.437 GHz 691 pts Span 30.0 MHz Date: 17.MAR.2020 09:18:27</p>
<p>CH06 30MHz~1000MHz</p>	<p>Spectrum Ref Level 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 IPK Max -52.16 dBm 719.1140 MHz M1[1] D1 -26.240 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 17.MAR.2020 09:18:43</p>
<p>CH06 1GHz~26GHz</p>	<p>Spectrum Ref Level 26.00 dBm Offset 1.00 dB RBW 100 kHz Att 35 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPK Max -40.85 dBm 15.766667 GHz M1[1] D1 -26.240 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 17.MAR.2020 09:18:59</p>

<p>CH11 Reference level</p>	
<p>CH11 30MHz~1000MHz</p>	
<p>CH11 1GHz~26GHz</p>	

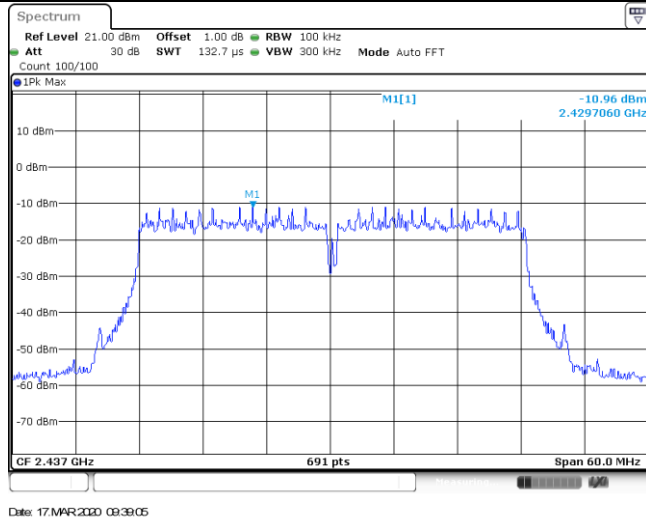
Test Item:	SE	Type:	802.11n(HT20)
<p>CH01 Reference level</p>			
<p>CH01 30MHz~1000MHz</p>			
<p>CH01 1GHz~26GHz</p>			

<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 IPK Max M1[1] -7.18 dBm 2.4309220 GHz CF 2.437 GHz 691 pts Span 30.0 MHz Date: 17.MAR.2020 09:30:12</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 IPK Max M1[1] -52.48 dBm 966.6170 MHz D1 -27.180 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 17.MAR.2020 09:30:28</p>
<p>CH06 1GHz~26GHz</p>	<p>Spectrum Ref Level 26.00 dBm Offset 1.00 dB RBW 100 kHz Att 35 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPK Max M1[1] -40.18 dBm 21.466667 GHz D1 -27.180 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 17.MAR.2020 09:30:44</p>

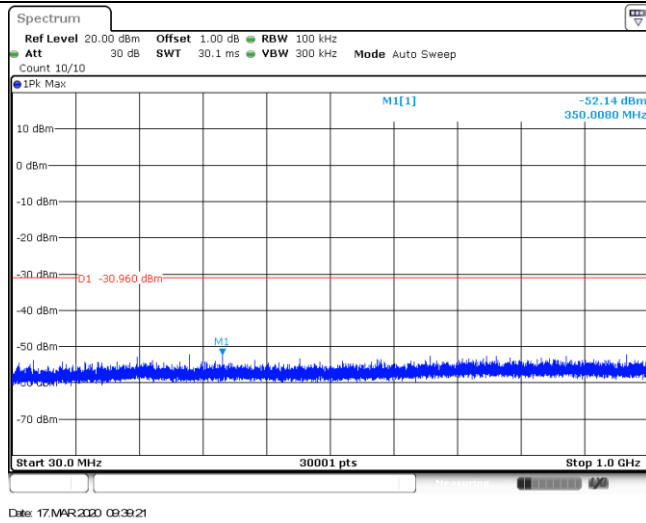
<p>CH11 Reference level</p>	<p>Spectrum Ref Level 21.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 IPK Max M1[1] -7.12 dBm 2.4634330 GHz CF 2.462 GHz 691 pts Span 30.0 MHz Date: 17.MAR.2020 09:32:28</p>
<p>CH11 30MHz~1000MHz</p>	<p>Spectrum Ref Level 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 M1[1] -51.55 dBm 350.0080 MHz D1 -27.120 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 17.MAR.2020 09:32:44</p>
<p>CH11 1GHz~26GHz</p>	<p>Spectrum Ref Level 26.00 dBm Offset 1.00 dB RBW 100 kHz Att 35 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 IPK Max M1[1] -40.51 dBm 15.140000 GHz D1 -27.120 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 17.MAR.2020 09:33:00</p>

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

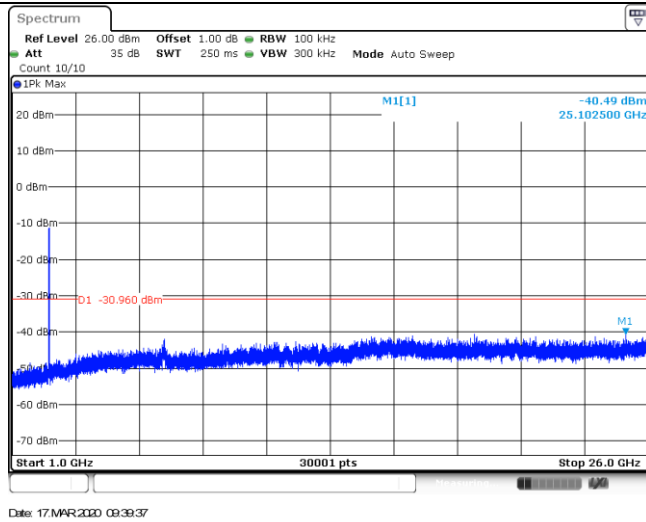
CH06
Reference level



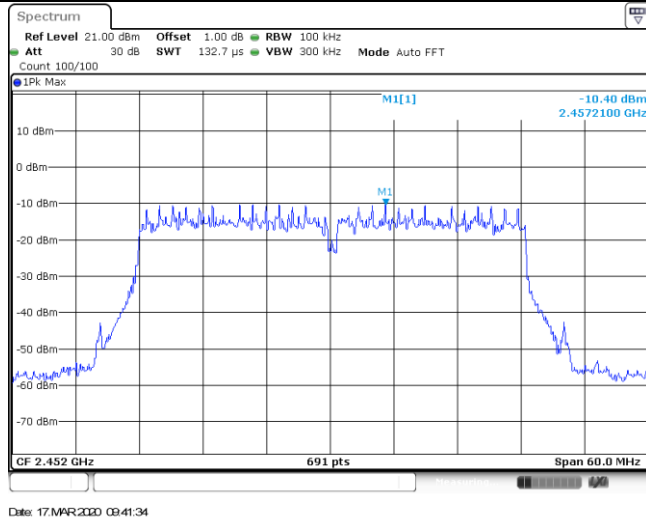
CH06
30MHz~1000MHz



CH06
1GHz~26GHz

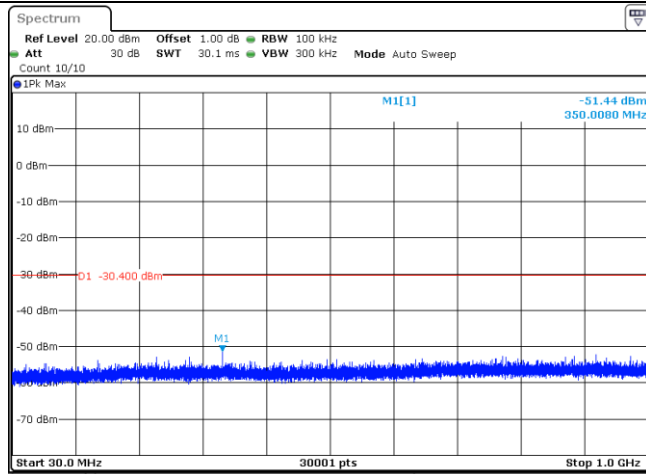


CH09
Reference level



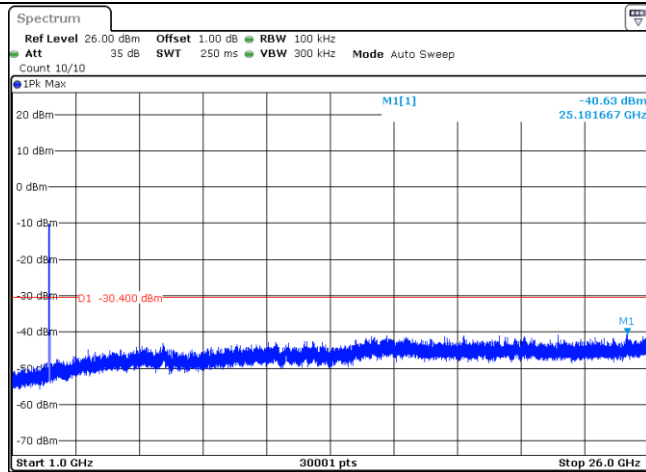
Date: 17.MAR.2020 09:41:34

CH09
30MHz~1000MHz



Date: 17.MAR.2020 09:41:50

CH09
1GHz~26GHz



Date: 17.MAR.2020 09:42:05

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