

APPENDIX REPORT

Project No.	SHT2009005903EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT20090059002	Model No.	AX754
Start test date	2020/9/4	Finish date	2020/9/4
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
F	Band edge and Spurious Emissions (conducted)	PASS

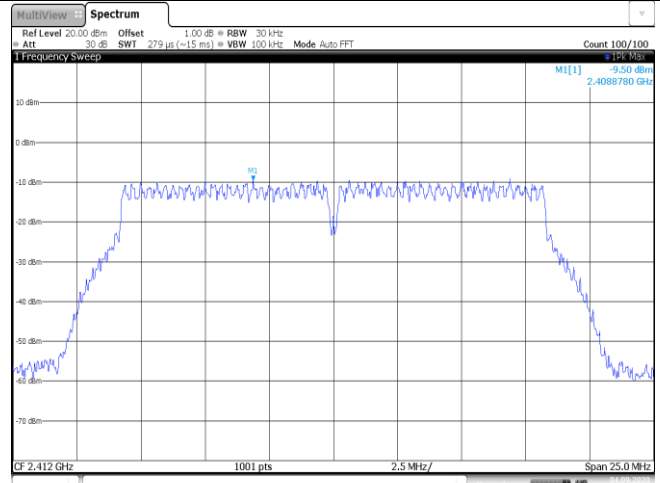
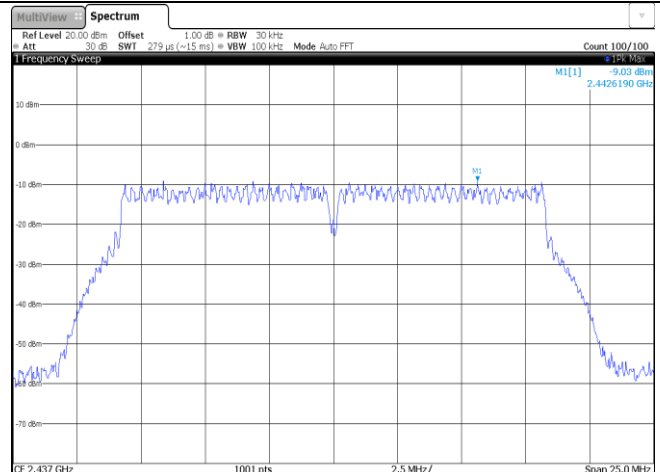
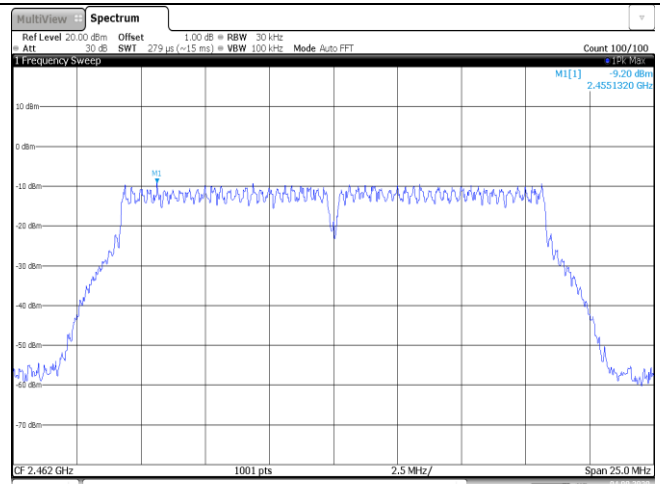
Appendix A: Conducted Peak Output Power

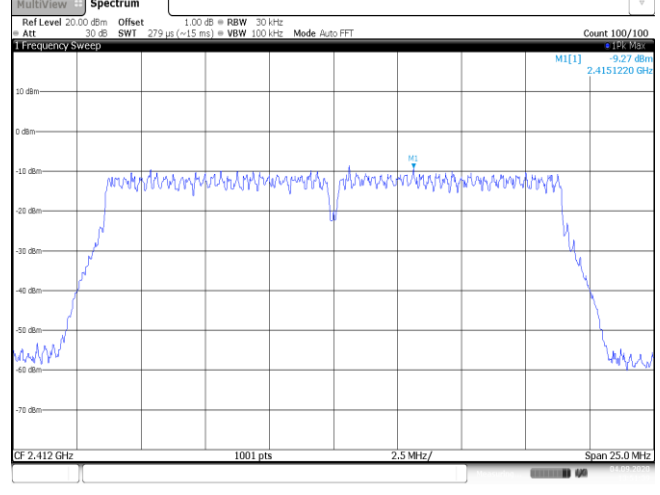
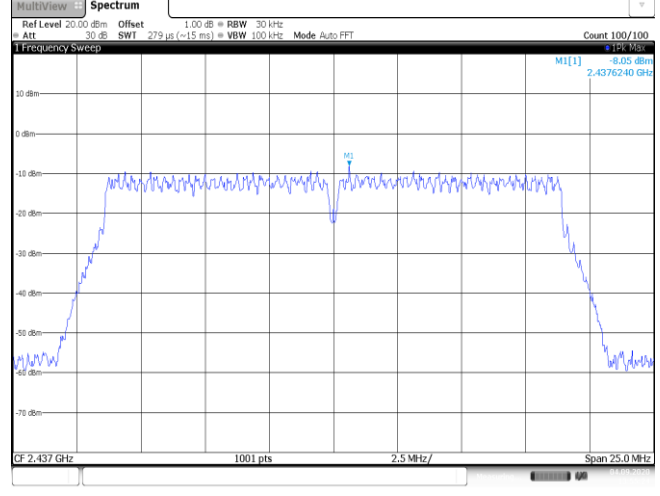
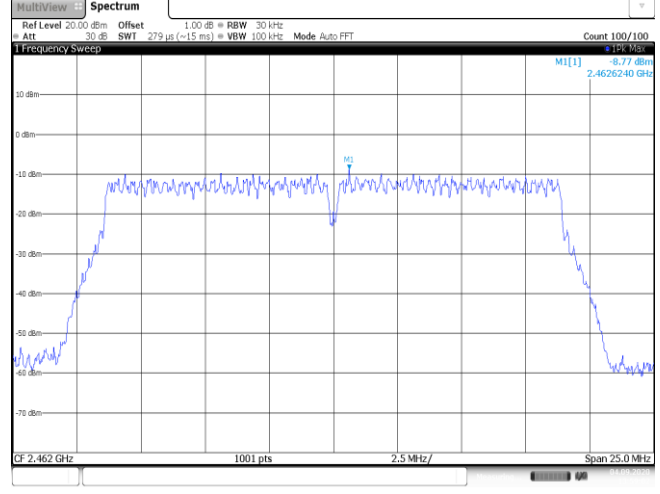
Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	16.21	13.74	≤ 30.00	Pass
	06	16.13	13.61		
	11	16.46	14.03		
802.11g	01	16.26	13.34	≤ 30.00	Pass
	06	15.92	13.01		
	11	16.23	13.27		
802.11n (HT20)	01	16.27	13.15	≤ 30.00	Pass
	06	16.07	13.04		
	11	15.85	12.76		
802.11n(HT40)	03	14.94	11.87	≤ 30.00	Pass
	06	15.04	12.07		
	09	14.76	11.78		

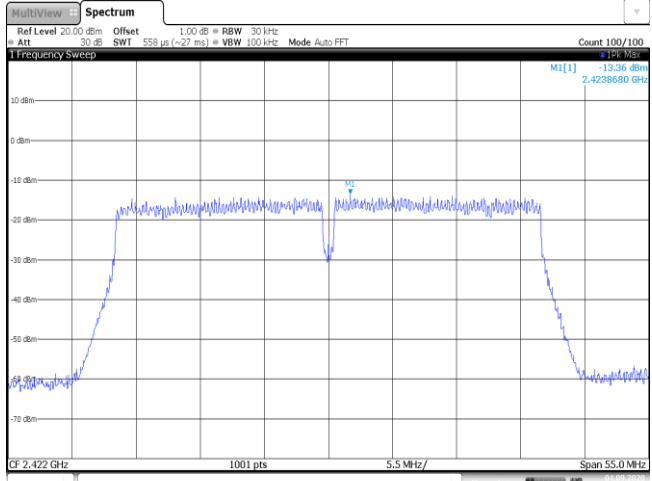
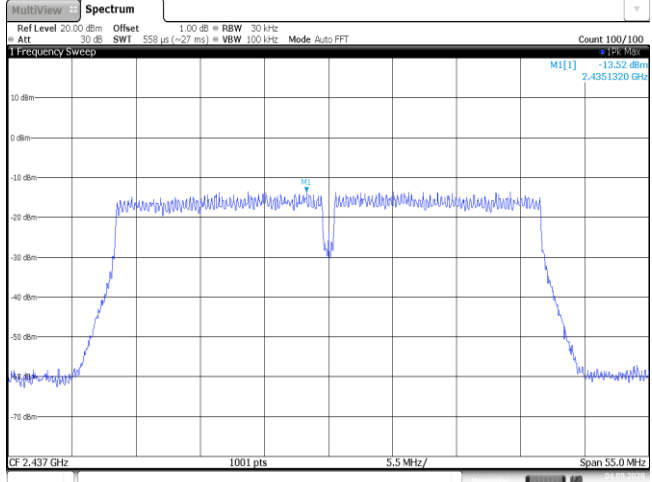
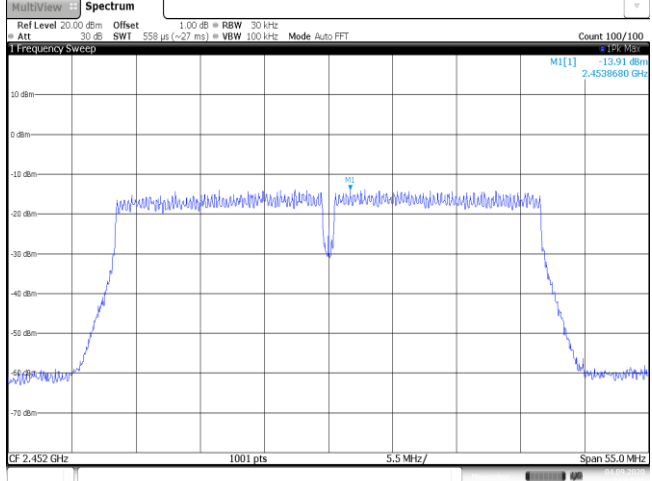
Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	-2.49	≤8.00	Pass
	06	-2.30		
	11	-2.27		
802.11g	01	-9.50	≤8.00	Pass
	06	-9.03		
	11	-9.20		
802.11n(HT20)	01	-9.27	≤8.00	Pass
	06	-8.05		
	11	-8.77		
802.11n(HT40)	03	-13.36	≤8.00	Pass
	06	-13.52		
	09	-13.91		

Type:	802.11 b
CH01	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 1.78 ms VBW 100 kHz Mode Auto Sweep Count 100/100 MI[1] -2.49 dBm 2.4128950 GHz CF 2.412 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 4.SEP.2009 13:24:37</p>
CH06	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 1.78 ms VBW 100 kHz Mode Auto Sweep Count 100/100 MI[1] -2.30 dBm 2.4378950 GHz CF 2.437 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 4.SEP.2009 13:27:12</p>
CH11	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 1.78 ms VBW 100 kHz Mode Auto Sweep Count 100/100 MI[1] -2.27 dBm 2.4628950 GHz CF 2.462 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 4.SEP.2009 13:29:16</p>

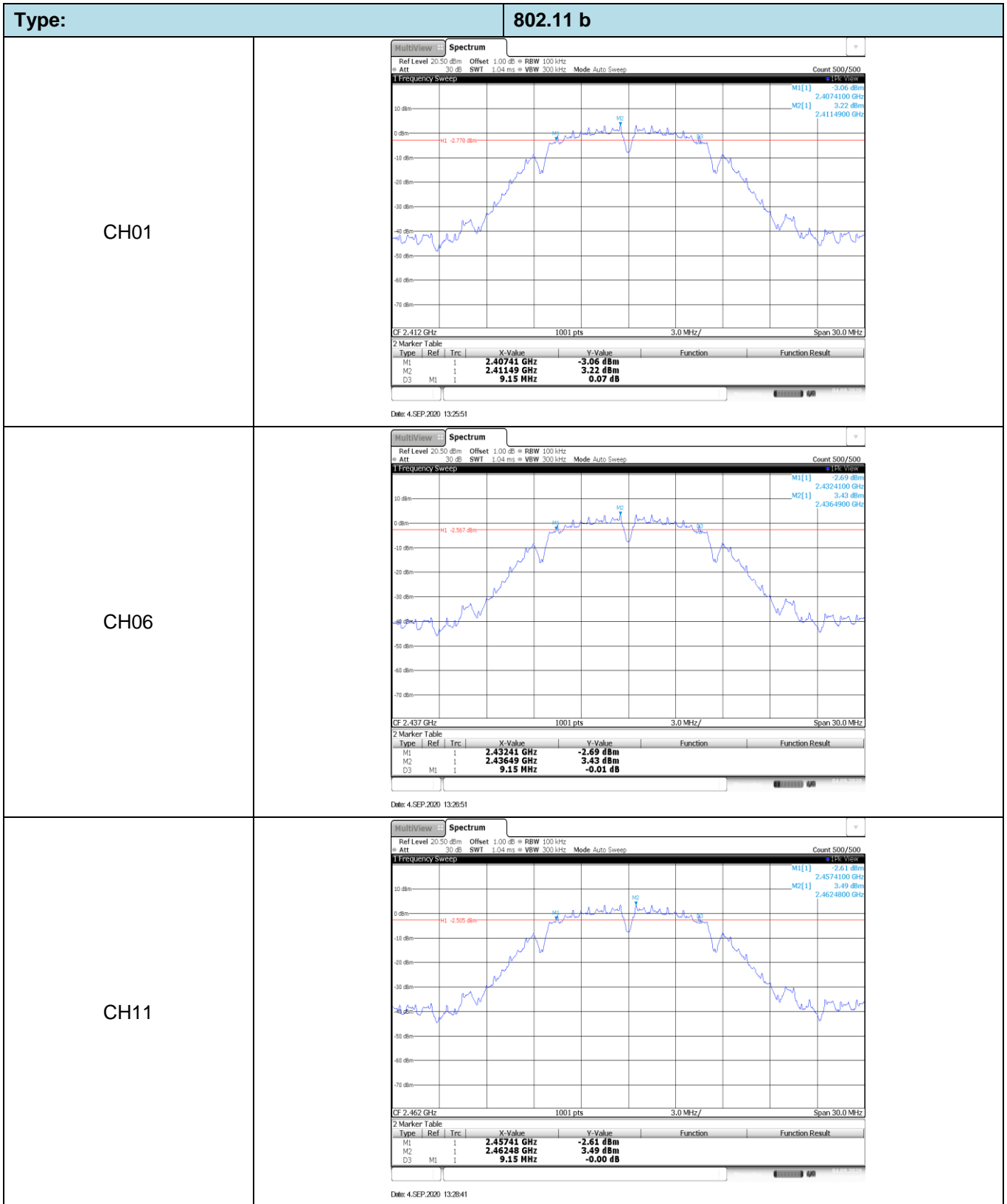
Type:	802.11 g
CH01	 <p>MultiView Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT</p> <p>Count 100/100</p> <p>1 Frequency Sweep</p> <p>M1[1] 9.50 dBm 2.4088780 GHz</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 4.SEP.2009 13:32:24</p>
CH06	 <p>MultiView Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT</p> <p>Count 100/100</p> <p>1 Frequency Sweep</p> <p>M1[1] 9.03 dBm 2.4426190 GHz</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 4.SEP.2009 13:35:34</p>
CH11	 <p>MultiView Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT</p> <p>Count 100/100</p> <p>1 Frequency Sweep</p> <p>M1[1] 9.20 dBm 2.4551320 GHz</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 4.SEP.2009 13:37:09</p>

Type:	802.11n(HT20)
CH01	 <p>Ref Level 20.00 dBm Offset 1.00 dB BWB 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] 9.27 dBm 2.4151220 GHz</p> <p>CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 4.SEP.2009 13:51:30</p>
CH06	 <p>Ref Level 20.00 dBm Offset 1.00 dB BWB 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] 8.05 dBm 2.4376240 GHz</p> <p>CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 4.SEP.2009 13:55:24</p>
CH11	 <p>Ref Level 20.00 dBm Offset 1.00 dB BWB 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] 8.77 dBm 2.4626240 GHz</p> <p>CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 4.SEP.2009 13:59:02</p>

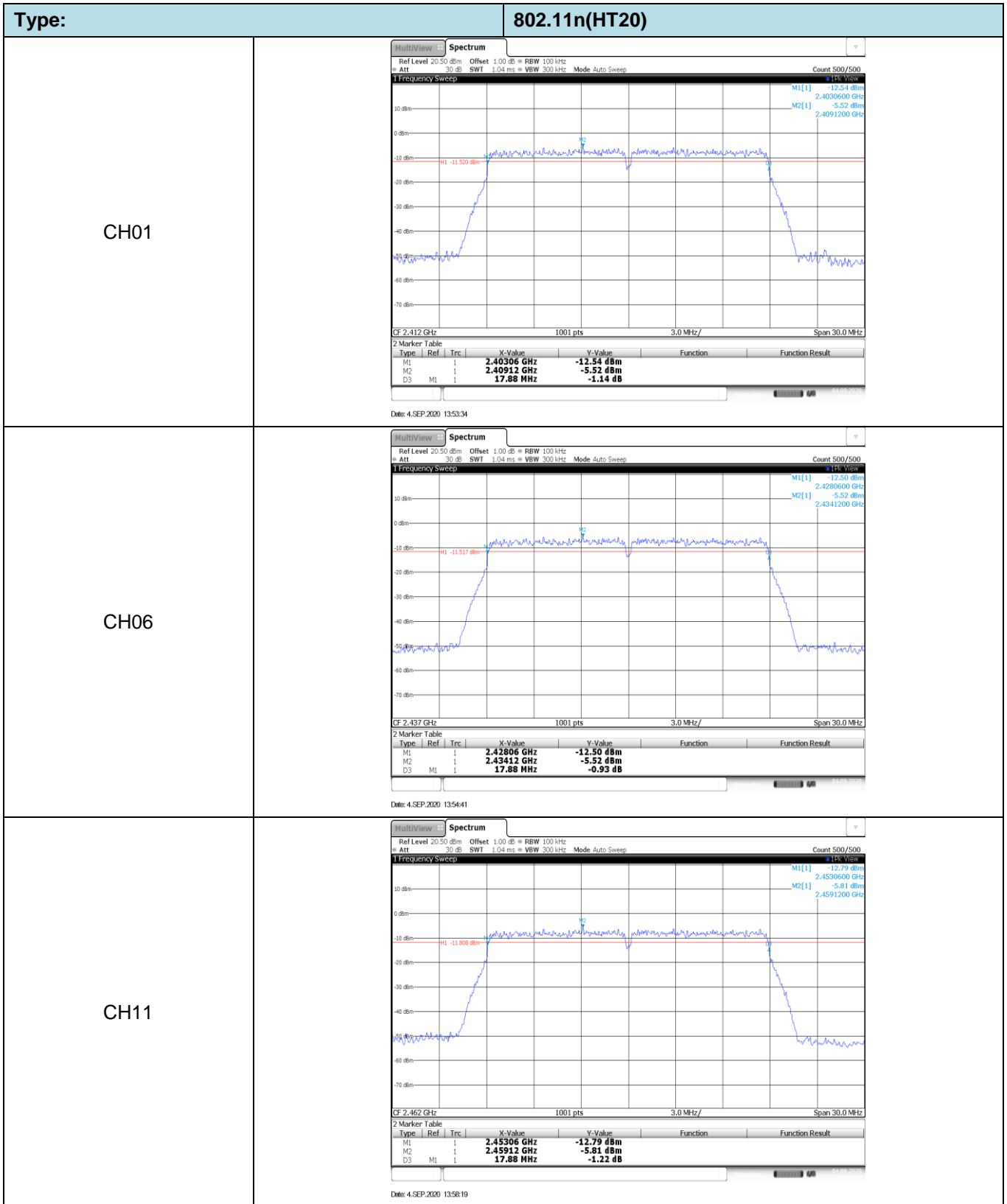
Type:		802.11n(HT40)
CH03	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 558 us (~27 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -13.36 dBm 2.4228680 GHz CF 2.422 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 4.SEP.2020 14:01:42</p>	
CH06	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 558 us (~27 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -13.52 dBm 2.4351320 GHz CF 2.437 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 4.SEP.2020 14:05:03</p>	
CH09	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 558 us (~27 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -13.91 dBm 2.4538680 GHz CF 2.452 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 4.SEP.2020 14:07:01</p>	

Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	9.15	≥0.5	Pass
	06	9.15		
	11	9.15		
802.11g	01	16.65	≥0.5	Pass
	06	16.65		
	11	16.65		
802.11n(HT20)	01	17.88	≥0.5	Pass
	06	17.88		
	11	17.88		
802.11n(HT40)	03	36.60	≥0.5	Pass
	06	36.60		
	09	36.60		



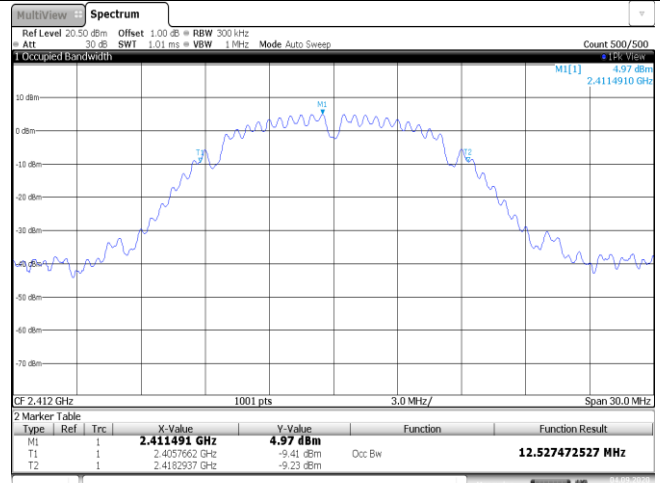

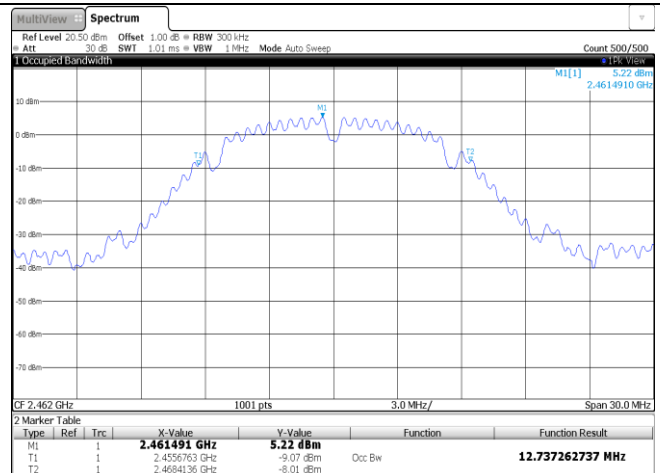
Type:	802.11 g																												
CH01	<p>MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.40366 GHz</td> <td>-13.49 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.41362 GHz</td> <td>-5.72 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>16.65 MHz</td> <td>0.29 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2020 13:33:53</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1		1	2.40366 GHz	-13.49 dBm			M2		1	2.41362 GHz	-5.72 dBm			D3	M1	1	16.65 MHz	0.29 dB		
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Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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M2		1	2.4605 GHz	-5.71 dBm																									
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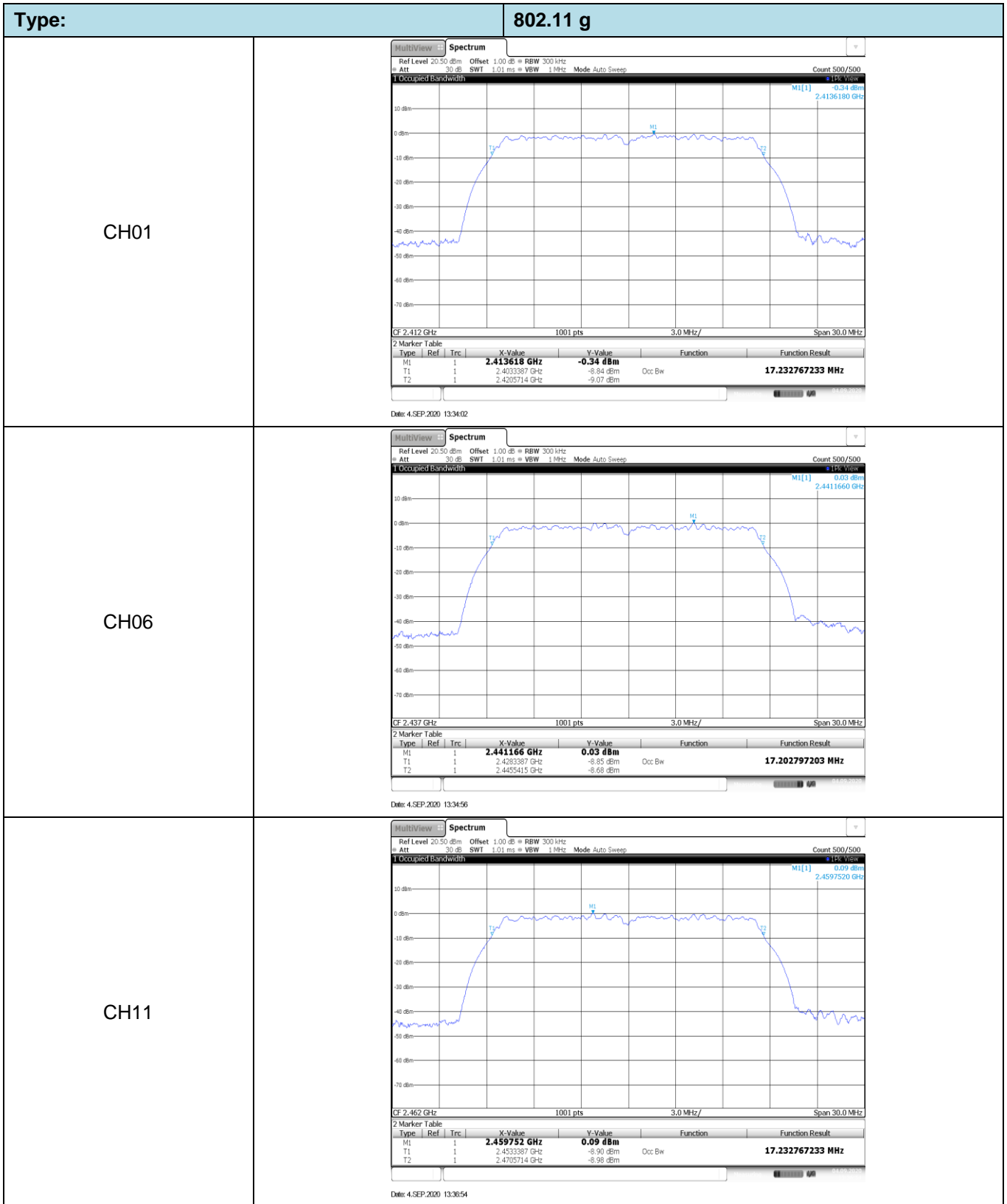


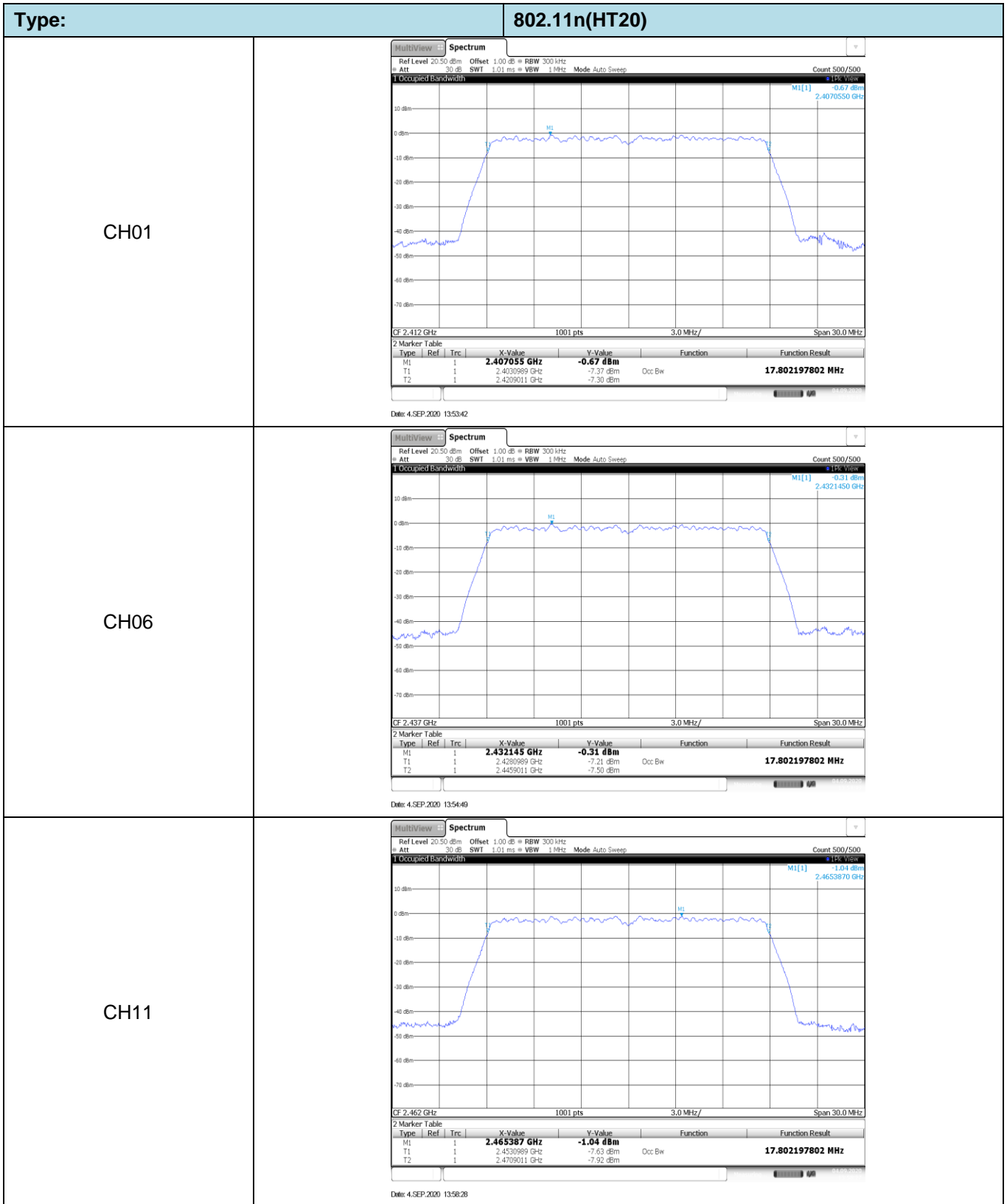
Type:	802.11n(HT40)																												
CH03	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.07 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep M1[1] -16.78 dBm 2.4037000 GHz M2[1] -10.02 dBm 2.4241000 GHz</p> <p>CF 2.422 GHz 1001 pts 6.0 MHz/ 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>1</td> <td></td> <td>2.4037 GHz</td> <td>-16.78 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4241 GHz</td> <td>-10.02 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>36.6 MHz</td> <td>-0.27 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2020 14:03:11</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.4037 GHz	-16.78 dBm			M2	1		2.4241 GHz	-10.02 dBm			D3	M1	1	36.6 MHz	-0.27 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.4037 GHz	-16.78 dBm																									
M2	1		2.4241 GHz	-10.02 dBm																									
D3	M1	1	36.6 MHz	-0.27 dB																									
CH06	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.07 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep M1[1] -16.08 dBm 2.4187000 GHz M2[1] -9.74 dBm 2.4403600 GHz</p> <p>CF 2.437 GHz 1001 pts 6.0 MHz/ 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>1</td> <td></td> <td>2.4187 GHz</td> <td>-16.08 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.44036 GHz</td> <td>-9.74 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>36.6 MHz</td> <td>-0.65 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2020 14:04:20</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.4187 GHz	-16.08 dBm			M2	1		2.44036 GHz	-9.74 dBm			D3	M1	1	36.6 MHz	-0.65 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.4187 GHz	-16.08 dBm																									
M2	1		2.44036 GHz	-9.74 dBm																									
D3	M1	1	36.6 MHz	-0.65 dB																									
CH09	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.07 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep M1[1] -16.56 dBm 2.4337000 GHz M2[1] -9.91 dBm 2.4554800 GHz</p> <p>CF 2.452 GHz 1001 pts 6.0 MHz/ 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>1</td> <td></td> <td>2.4337 GHz</td> <td>-16.56 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.45548 GHz</td> <td>-9.91 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>36.6 MHz</td> <td>-0.54 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2020 14:06:22</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.4337 GHz	-16.56 dBm			M2	1		2.45548 GHz	-9.91 dBm			D3	M1	1	36.6 MHz	-0.54 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.4337 GHz	-16.56 dBm																									
M2	1		2.45548 GHz	-9.91 dBm																									
D3	M1	1	36.6 MHz	-0.54 dB																									

Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	12.53	-	Pass
	06	12.65		
	11	12.74		
802.11g	01	17.23	-	Pass
	06	17.20		
	11	17.23		
802.11n(HT20)	01	17.80	-	Pass
	06	17.80		
	11	17.80		
802.11n(HT40)	03	36.26	-	Pass
	06	36.20		
	09	36.20		

Type:	802.11 b																												
CH01	 <p>2 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>2.411491 GHz</td> <td>4.97 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4057662 GHz</td> <td>-9.41 dBm</td> <td>Occ Bw</td> <td>12.527472527 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4182937 GHz</td> <td>-9.23 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2020 13:25:50</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.411491 GHz	4.97 dBm			T1	1		2.4057662 GHz	-9.41 dBm	Occ Bw	12.527472527 MHz	T2	1		2.4182937 GHz	-9.23 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.411491 GHz	4.97 dBm																									
T1	1		2.4057662 GHz	-9.41 dBm	Occ Bw	12.527472527 MHz																							
T2	1		2.4182937 GHz	-9.23 dBm																									
CH06	 <p>2 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>2.436491 GHz</td> <td>5.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4307063 GHz</td> <td>-9.07 dBm</td> <td>Occ Bw</td> <td>12.647352647 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4432336 GHz</td> <td>-8.84 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2020 13:26:50</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.436491 GHz	5.16 dBm			T1	1		2.4307063 GHz	-9.07 dBm	Occ Bw	12.647352647 MHz	T2	1		2.4432336 GHz	-8.84 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.436491 GHz	5.16 dBm																									
T1	1		2.4307063 GHz	-9.07 dBm	Occ Bw	12.647352647 MHz																							
T2	1		2.4432336 GHz	-8.84 dBm																									
CH11	 <p>2 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>2.461491 GHz</td> <td>5.22 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4556763 GHz</td> <td>-9.07 dBm</td> <td>Occ Bw</td> <td>12.737262737 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4684136 GHz</td> <td>-8.01 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2020 13:26:50</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.461491 GHz	5.22 dBm			T1	1		2.4556763 GHz	-9.07 dBm	Occ Bw	12.737262737 MHz	T2	1		2.4684136 GHz	-8.01 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.461491 GHz	5.22 dBm																									
T1	1		2.4556763 GHz	-9.07 dBm	Occ Bw	12.737262737 MHz																							
T2	1		2.4684136 GHz	-8.01 dBm																									

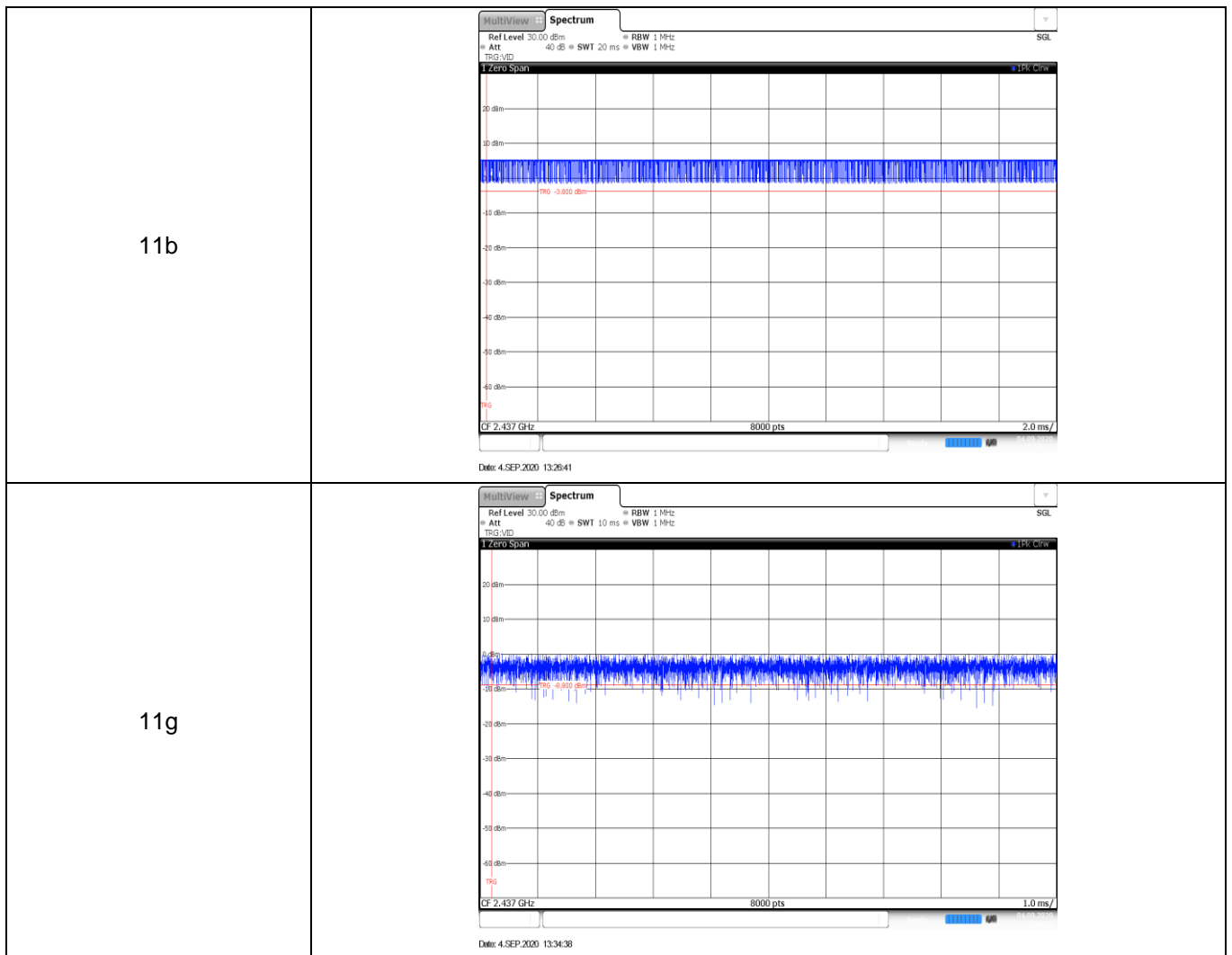




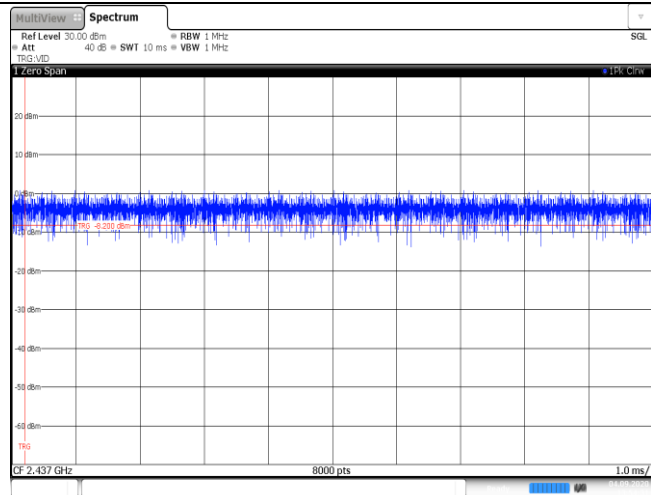
Type:	802.11n(HT40)																												
CH03	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 500 Hz Att 30 dB SWI 1.01 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth MI[1] 2.4321900 GHz 2.24 dBm</p> <p>GF 2.422 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz</p> <table border="1"> <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>1</td> <td></td> <td>2.43219 GHz</td> <td>-2.24 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.403958 GHz</td> <td>-7.82 dBm</td> <td>Occ Bw</td> <td>36.263736264 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4402218 GHz</td> <td>-7.86 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2020 14:03:20</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.43219 GHz	-2.24 dBm			T1	1		2.403958 GHz	-7.82 dBm	Occ Bw	36.263736264 MHz	T2	1		2.4402218 GHz	-7.86 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.43219 GHz	-2.24 dBm																									
T1	1		2.403958 GHz	-7.82 dBm	Occ Bw	36.263736264 MHz																							
T2	1		2.4402218 GHz	-7.86 dBm																									
CH06	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 500 Hz Att 30 dB SWI 1.01 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth MI[1] 2.4472500 GHz 1.94 dBm</p> <p>GF 2.437 GHz 1001 pts 6.0 MHz/ 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>1</td> <td></td> <td>2.44725 GHz</td> <td>-1.94 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.418958 GHz</td> <td>-7.49 dBm</td> <td>Occ Bw</td> <td>36.203796204 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4551618 GHz</td> <td>-7.50 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2020 14:04:29</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.44725 GHz	-1.94 dBm			T1	1		2.418958 GHz	-7.49 dBm	Occ Bw	36.203796204 MHz	T2	1		2.4551618 GHz	-7.50 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.44725 GHz	-1.94 dBm																									
T1	1		2.418958 GHz	-7.49 dBm	Occ Bw	36.203796204 MHz																							
T2	1		2.4551618 GHz	-7.50 dBm																									
CH09	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 500 Hz Att 30 dB SWI 1.01 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth MI[1] 2.4622500 GHz 2.36 dBm</p> <p>GF 2.452 GHz 1001 pts 6.0 MHz/ 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>1</td> <td></td> <td>2.46225 GHz</td> <td>-2.36 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.433958 GHz</td> <td>-7.93 dBm</td> <td>Occ Bw</td> <td>36.203796204 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4701618 GHz</td> <td>-7.52 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2020 14:06:31</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.46225 GHz	-2.36 dBm			T1	1		2.433958 GHz	-7.93 dBm	Occ Bw	36.203796204 MHz	T2	1		2.4701618 GHz	-7.52 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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T1	1		2.433958 GHz	-7.93 dBm	Occ Bw	36.203796204 MHz																							
T2	1		2.4701618 GHz	-7.52 dBm																									

Appendix E: Duty Cycle

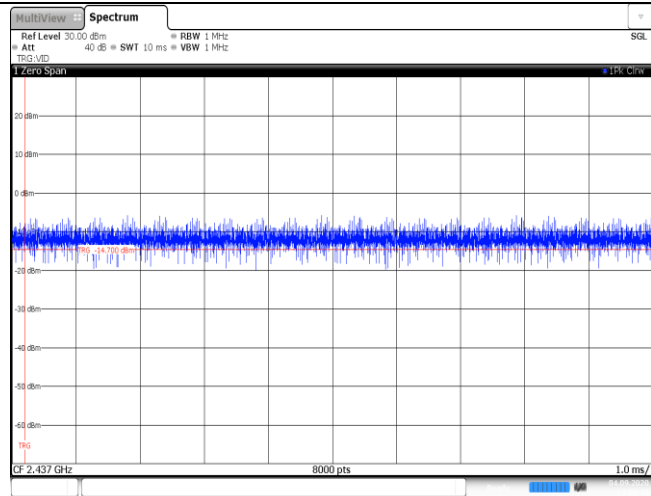
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11b	2437	1.00	1.00	100%	1.0
11g	2437	1.00	1.00	100%	1.0
11n20	2437	1.00	1.00	100%	1.0
11n40	2437	1.00	1.00	100%	1.0




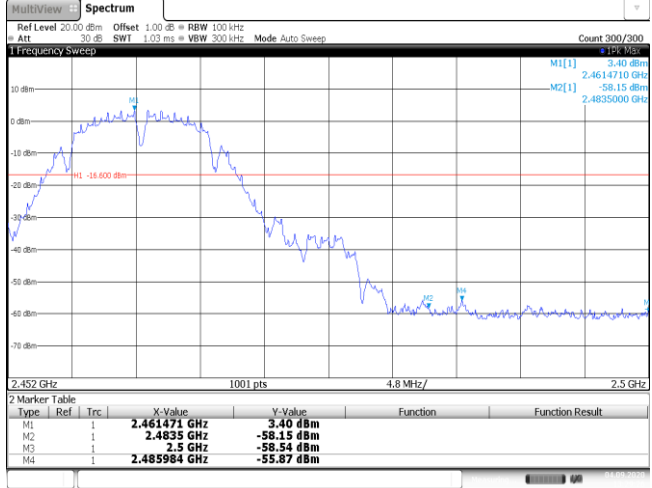
11n20

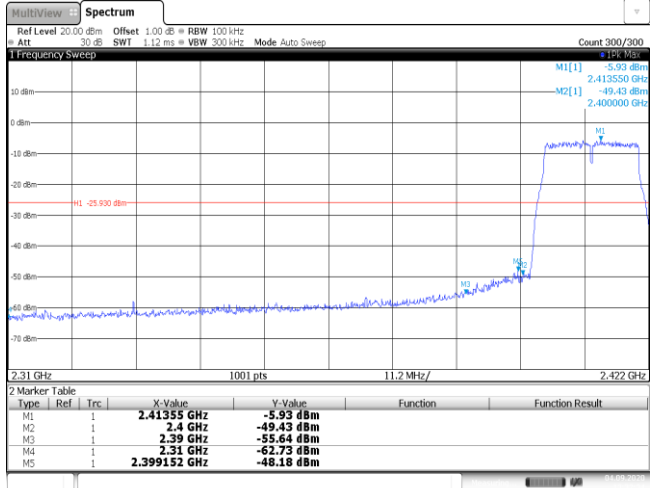
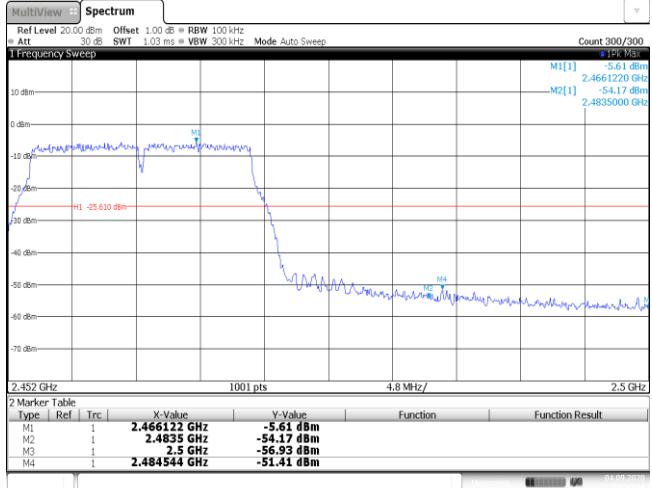


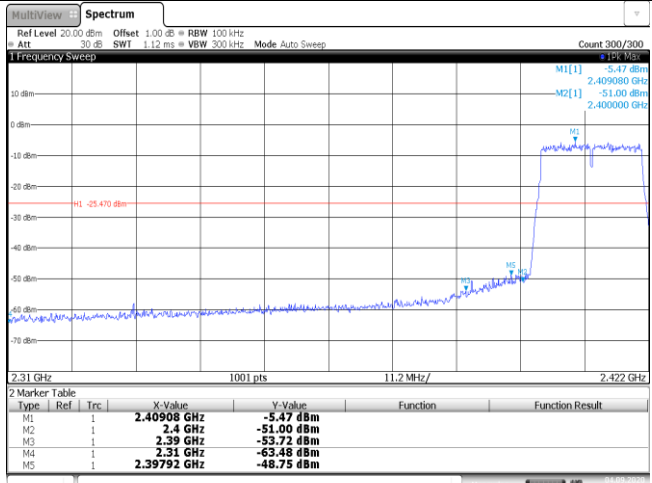
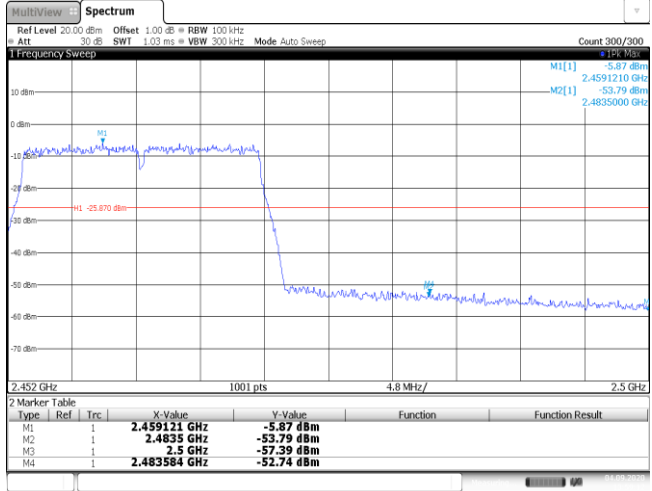
11n40

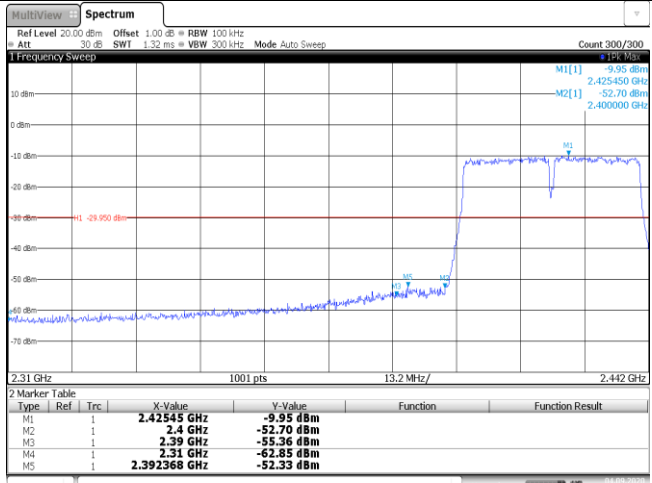
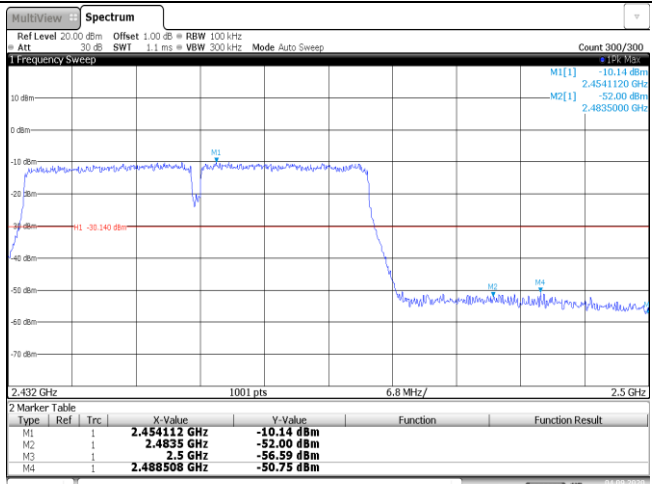


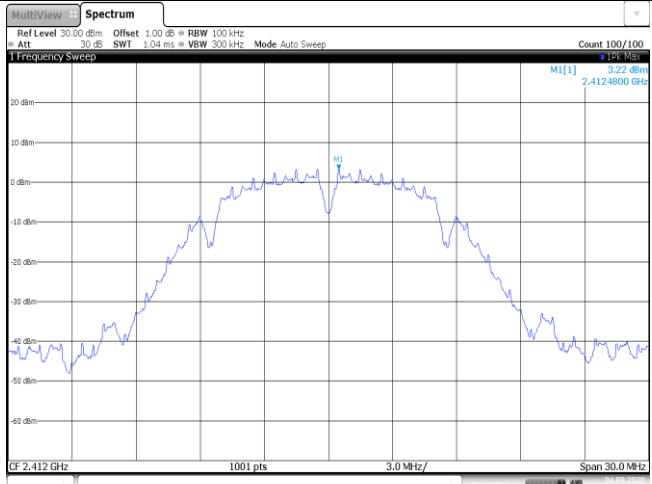
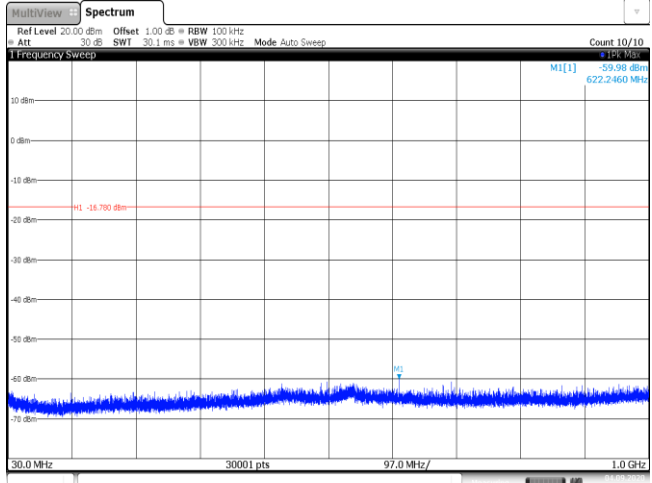
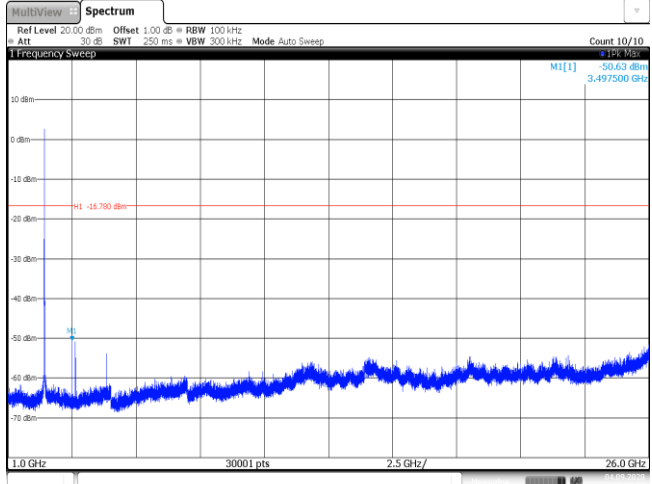
Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Bandedge	Type:	802.11 b																																										
CH01	 <p>2 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>2.41143 GHz</td> <td>3.07 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-45.87 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-59.89 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-61.81 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399488 GHz</td> <td>-40.65 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2020 13:24:47</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41143 GHz	3.07 dBm			M2	1		2.4 GHz	-45.87 dBm			M3	1		2.39 GHz	-59.89 dBm			M4	1		2.31 GHz	-61.81 dBm			M5	1		2.399488 GHz	-40.65 dBm		
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CH11	 <p>2 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>2.461471 GHz</td> <td>3.40 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-58.15 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-58.54 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.485984 GHz</td> <td>-55.87 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2020 13:29:26</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.461471 GHz	3.40 dBm			M2	1		2.4835 GHz	-58.15 dBm			M3	1		2.5 GHz	-58.54 dBm			M4	1		2.485984 GHz	-55.87 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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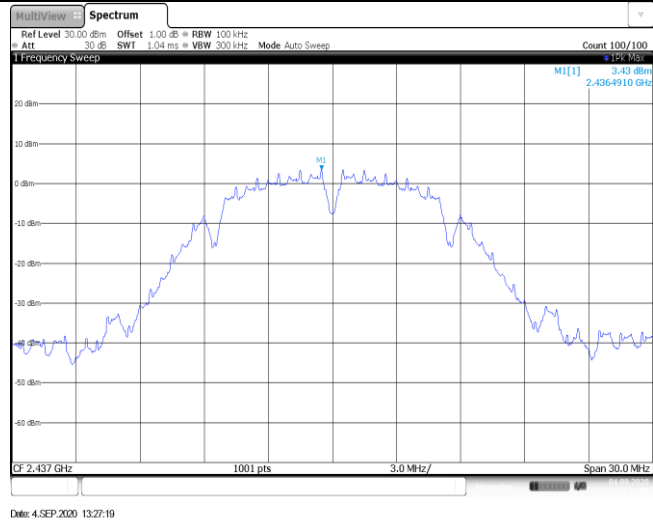
Test Item:	Bandedge	Type:	802.11 g																																										
CH01	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.12 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1 Frequency Sweep</p> <p>M1[1] 2.41355 GHz -5.93 dBm M2[1] 2.41355 GHz -49.43 dBm M3 2.40000 GHz</p> <p>2.31 GHz 1001 pts 11.2 MHz/ 2.422 GHz</p> <p>2 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>2.41355 GHz</td> <td>-5.93 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-49.43 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-55.64 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-62.73 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399152 GHz</td> <td>-48.18 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2009 13:32:34</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41355 GHz	-5.93 dBm			M2	1		2.4 GHz	-49.43 dBm			M3	1		2.39 GHz	-55.64 dBm			M4	1		2.31 GHz	-62.73 dBm			M5	1		2.399152 GHz	-48.18 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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CH11	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.03 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1 Frequency Sweep</p> <p>M1[1] 2.466122 GHz -5.61 dBm M2[1] 2.466122 GHz -54.17 dBm M3 2.483500 GHz</p> <p>2.452 GHz 1001 pts 4.8 MHz/ 2.5 GHz</p> <p>2 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>2.466122 GHz</td> <td>-5.61 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-54.17 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-56.93 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.484544 GHz</td> <td>-51.41 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2009 13:37:19</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.466122 GHz	-5.61 dBm			M2	1		2.4835 GHz	-54.17 dBm			M3	1		2.5 GHz	-56.93 dBm			M4	1		2.484544 GHz	-51.41 dBm									
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Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
CH01	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.12 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1 Frequency Sweep</p> <p>M1[1] 5.47 dBm 2.409000 GHz M2[1] -51.00 dBm 2.400000 GHz</p> <p>2.31 GHz 1001 pts 11.2 MHz/ 2.422 GHz</p> <p>2 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>2.40908 GHz</td> <td>-5.47 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-51.00 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-53.72 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-63.48 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.39792 GHz</td> <td>-48.75 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2009 13:51:49</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40908 GHz	-5.47 dBm			M2	1		2.4 GHz	-51.00 dBm			M3	1		2.39 GHz	-53.72 dBm			M4	1		2.31 GHz	-63.48 dBm			M5	1		2.39792 GHz	-48.75 dBm		
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CH11	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.03 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1 Frequency Sweep</p> <p>M1[1] 5.87 dBm 2.4591210 GHz M2[1] -53.79 dBm 2.4835000 GHz</p> <p>2.452 GHz 1001 pts 4.8 MHz/ 2.5 GHz</p> <p>2 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>2.459121 GHz</td> <td>-5.87 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-53.79 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-57.39 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483584 GHz</td> <td>-52.74 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2009 13:59:12</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.459121 GHz	-5.87 dBm			M2	1		2.4835 GHz	-53.79 dBm			M3	1		2.5 GHz	-57.39 dBm			M4	1		2.483584 GHz	-52.74 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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M2	1		2.4835 GHz	-53.79 dBm																																									
M3	1		2.5 GHz	-57.39 dBm																																									
M4	1		2.483584 GHz	-52.74 dBm																																									

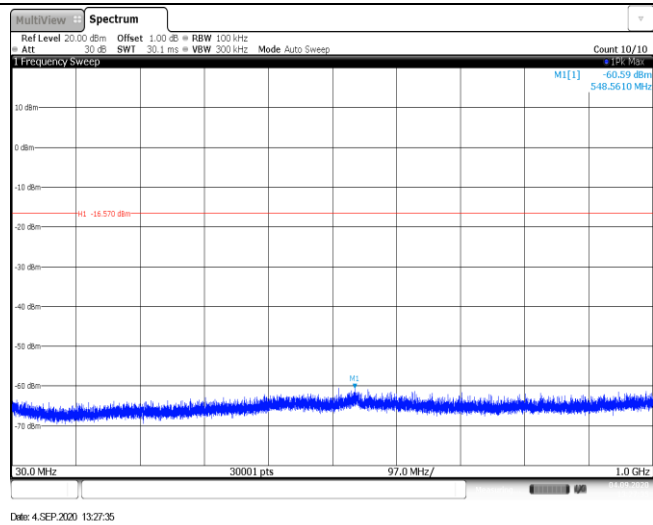
Test Item:	Bandedge	Type:	802.11 n(HT40)																																										
CH03	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.32 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1 Frequency Sweep</p> <p>2.31 GHz 1001 pts 13.2 MHz/ 2.442 GHz</p> <table border="1"> <thead> <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>2.42545 GHz</td> <td>-9.95 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-52.70 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-55.36 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-62.85 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.392368 GHz</td> <td>-52.33 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2020 14:36:13</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.42545 GHz	-9.95 dBm			M2	1		2.4 GHz	-52.70 dBm			M3	1		2.39 GHz	-55.36 dBm			M4	1		2.31 GHz	-62.85 dBm			M5	1		2.392368 GHz	-52.33 dBm		
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CH09	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.1 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1 Frequency Sweep</p> <p>2.432 GHz 1001 pts 6.8 MHz/ 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>2.454112 GHz</td> <td>-10.14 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-52.00 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-56.59 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.488508 GHz</td> <td>-50.75 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 4.SEP.2020 14:07:11</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.454112 GHz	-10.14 dBm			M2	1		2.4835 GHz	-52.00 dBm			M3	1		2.5 GHz	-56.59 dBm			M4	1		2.488508 GHz	-50.75 dBm									
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M3	1		2.5 GHz	-56.59 dBm																																									
M4	1		2.488508 GHz	-50.75 dBm																																									

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

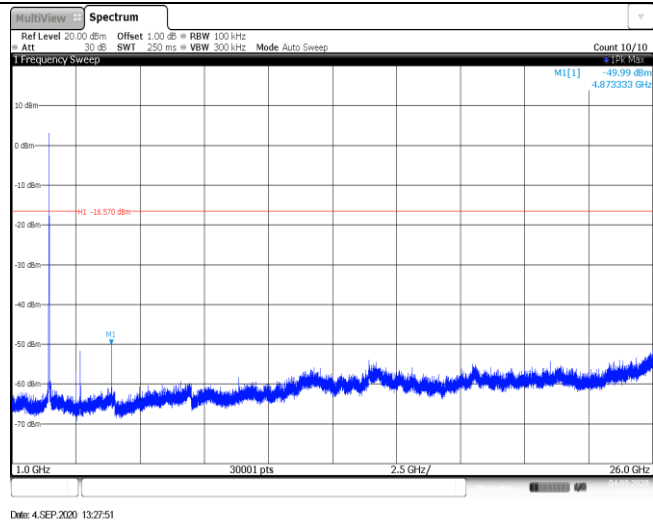
CH06
Reference level

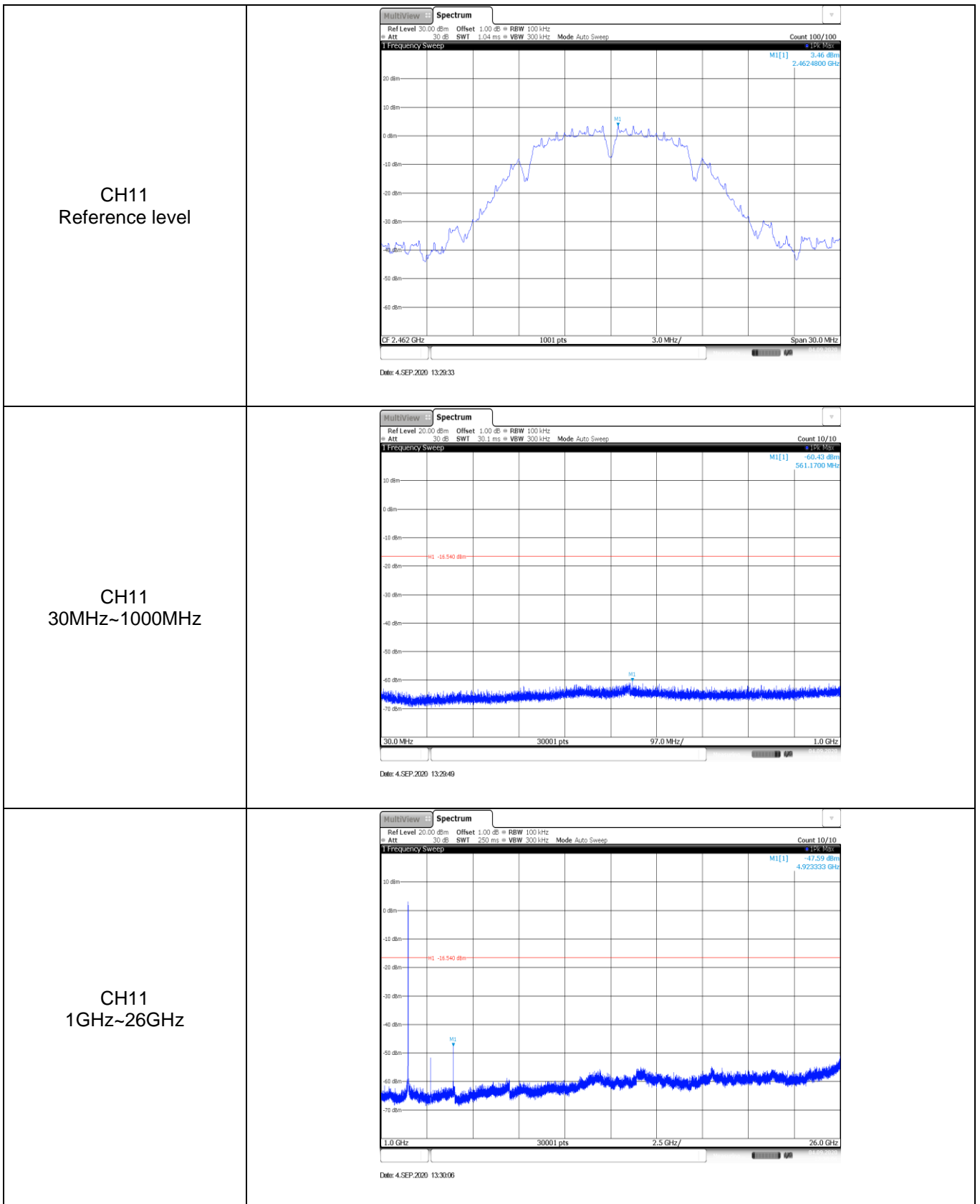


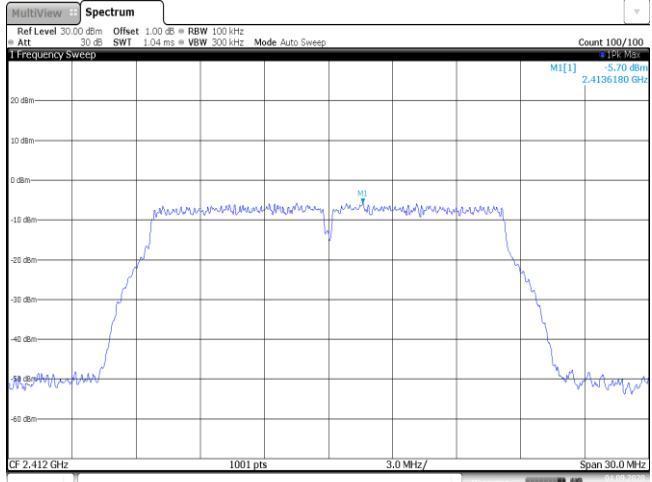
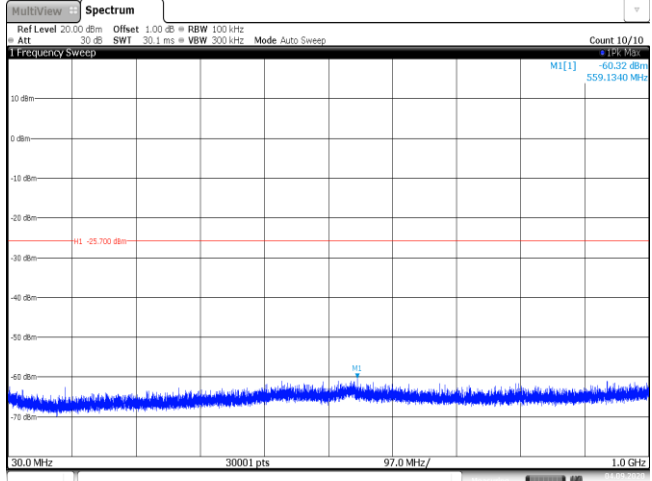
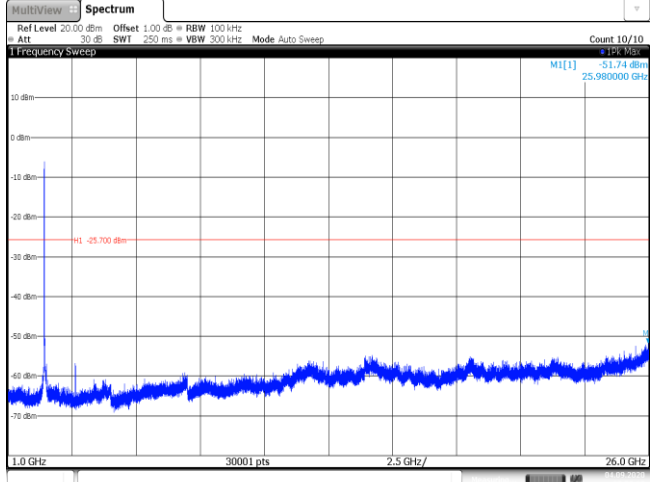
CH06
30MHz~1000MHz



CH06
1GHz~26GHz

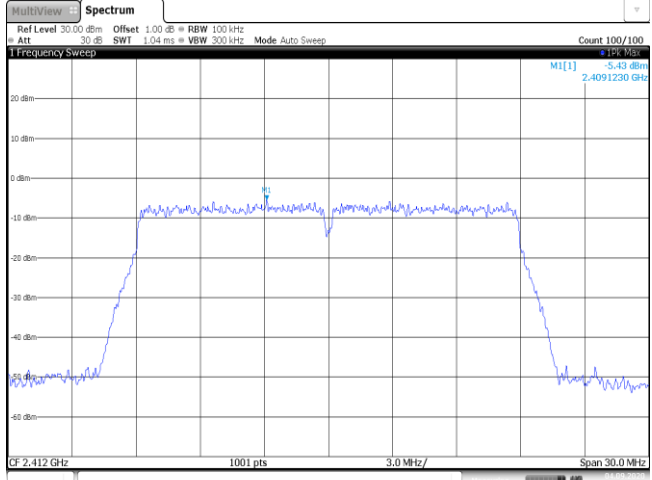
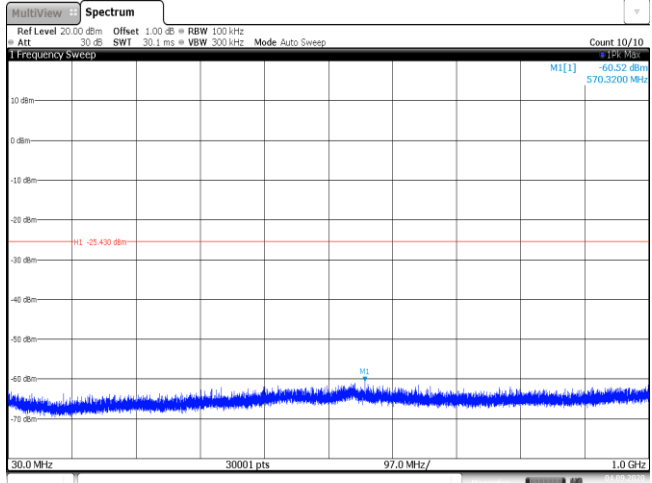
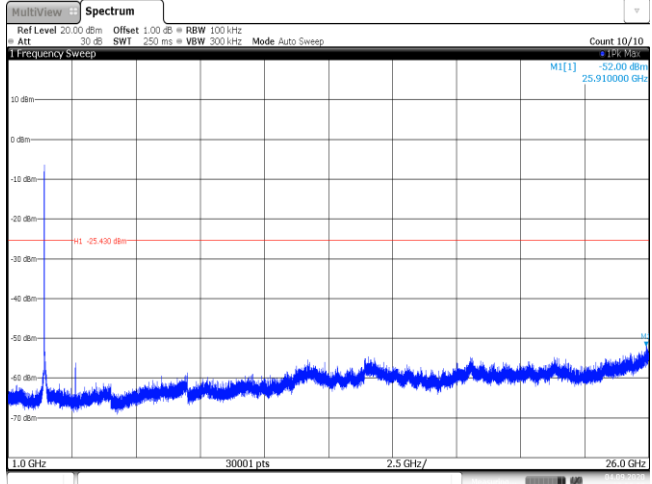




Test Item:	SE	Type:	802.11g
<p>CH01 Reference level</p>			
<p>CH01 30MHz~1000MHz</p>			
<p>CH01 1GHz~26GHz</p>			

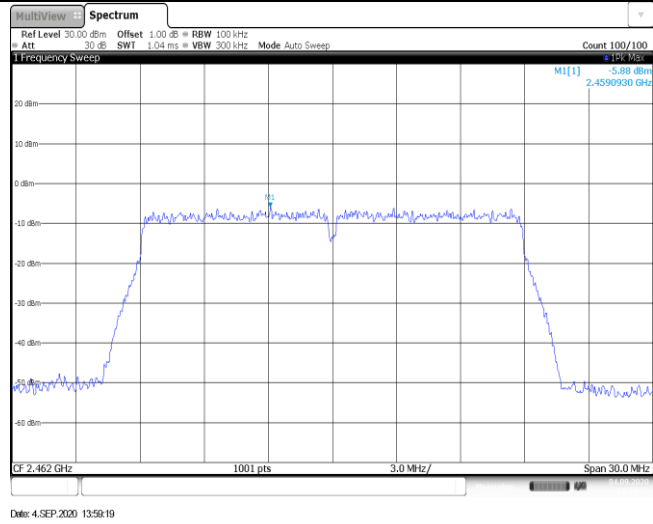
<p>CH06 Reference level</p>	<p>Date: 4.SEP.2020 13:35:41</p>
<p>CH06 30MHz~1000MHz</p>	<p>Date: 4.SEP.2020 13:35:57</p>
<p>CH06 1GHz~26GHz</p>	<p>Date: 4.SEP.2020 13:36:13</p>

<p>CH11 Reference level</p>	<p>Date: 4.SEP.2020 13:37:25</p>
<p>CH11 30MHz~1000MHz</p>	<p>Date: 4.SEP.2020 13:37:42</p>
<p>CH11 1GHz~26GHz</p>	<p>Date: 4.SEP.2020 13:37:58</p>

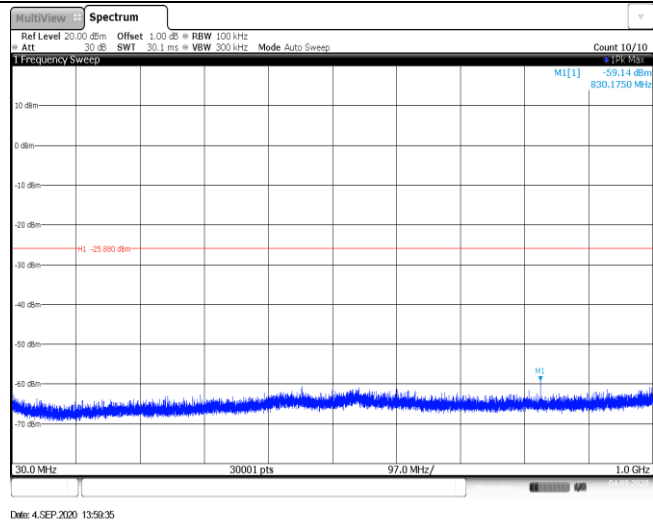
Test Item:	SE	Type:	802.11n(HT20)
<p>CH01 Reference level</p>		 <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 MI[1] 5.43 dBm 2.4091230 GHz CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 4.SEP.2020 13:51:56</p>	
<p>CH01 30MHz~1000MHz</p>		 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -60.52 dBm 570.52000 MHz H1 -25.430 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 4.SEP.2020 13:52:12</p>	
<p>CH01 1GHz~26GHz</p>		 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -52.00 dBm 25.910000 GHz H1 -25.430 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 4.SEP.2020 13:52:28</p>	

<p>CH06 Reference level</p>	
<p>CH06 30MHz~1000MHz</p>	
<p>CH06 1GHz~26GHz</p>	

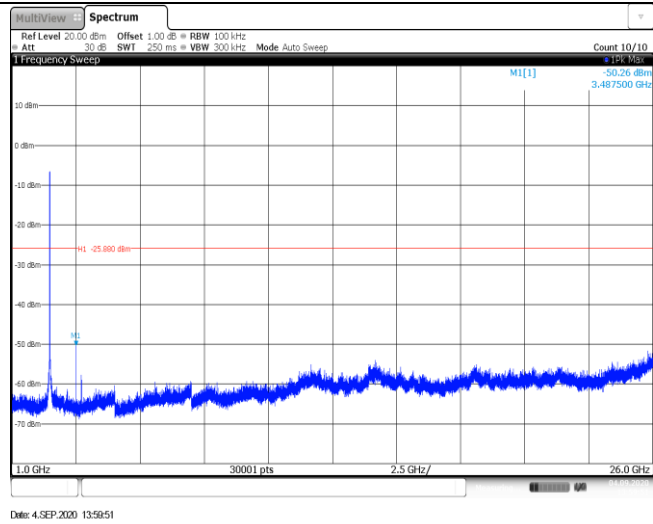
CH11
Reference level

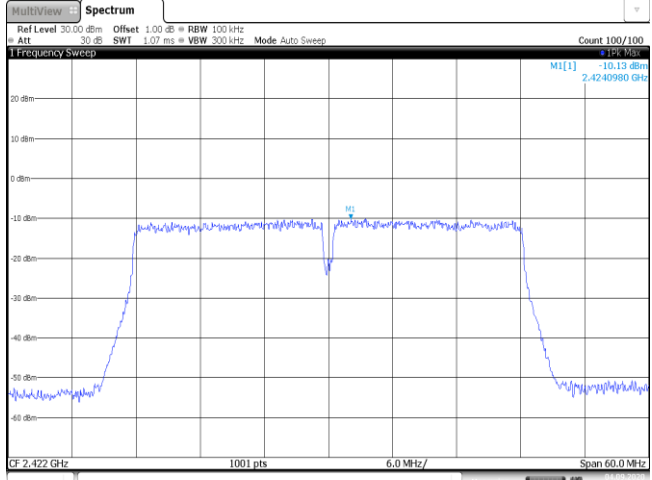
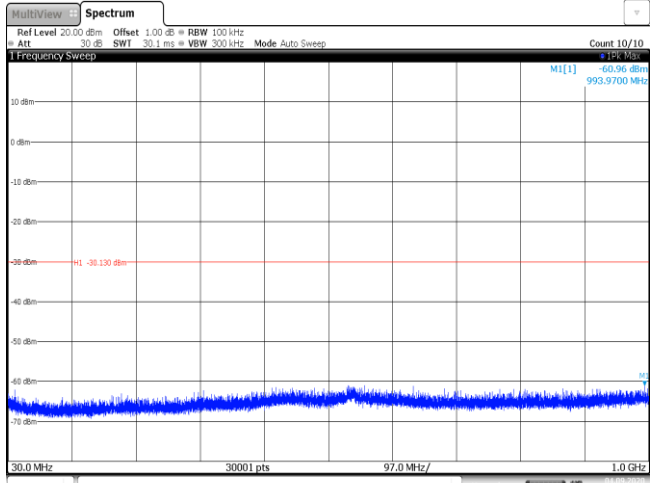
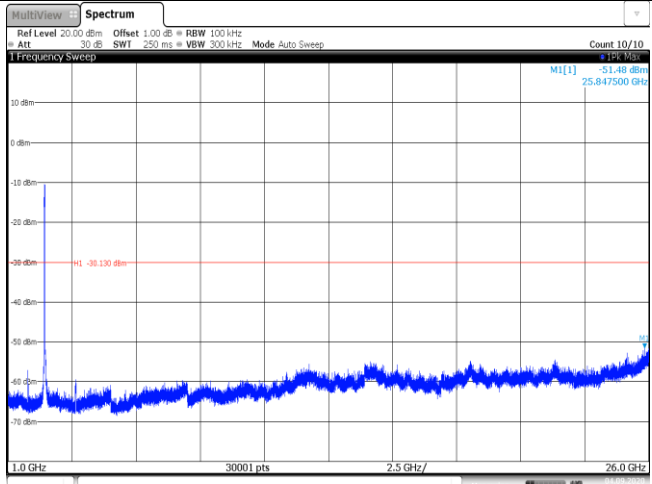


CH11
30MHz~1000MHz



CH11
1GHz~26GHz



Test Item:	SE	Type:	802.11n(HT40)
<p>CH03 Reference level</p>			 <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.07 ms VBW 300 kHz Mode Auto Sweep Count 100/100 MI[1] -10.13 dBm 2.4240980 GHz CF 2.422 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 4.SEP.2020 14:38:22</p>
<p>CH03 30MHz~1000MHz</p>			 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -60.96 dBm 993.9700 MHz H1 -30.130 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 4.SEP.2020 14:38:38</p>
<p>CH03 1GHz~26GHz</p>			 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -51.48 dBm 25.847500 GHz H1 -30.130 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 4.SEP.2020 14:38:54</p>

<p>CH06 Reference level</p>	<p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.07 ms VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] -9.70 dBm 2.4390980 GHz CF 2.437 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 4.SEP.2020 14:05:09</p>
<p>CH06 30MHz~1000MHz</p>	<p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1[1] -59.77 dBm 542.1590 MHz 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 4.SEP.2020 14:05:26</p>
<p>CH06 1GHz~26GHz</p>	<p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1[1] -51.79 dBm 25.991667 GHz 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 4.SEP.2020 14:05:42</p>

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

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