

APPENDIX REPORT

Project No.	SHT2006146102EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT20061461003,	Model No.	T450
Start test date	2020/7/10	Finish date	2020/7/20
Temperature	25°C	Humidity	50%
Test Engineer	Jiongshen.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

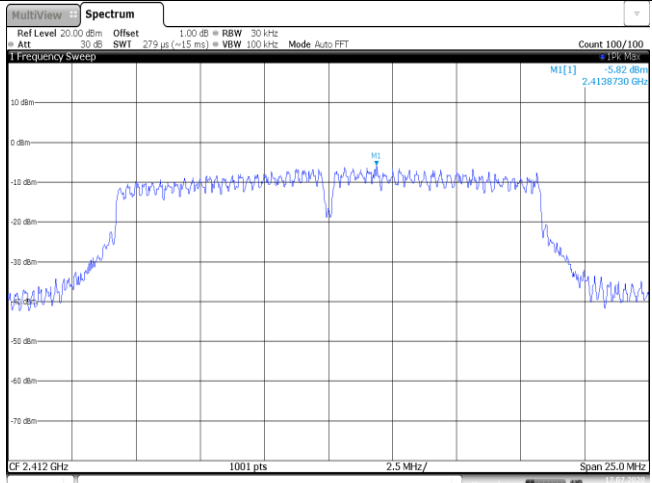
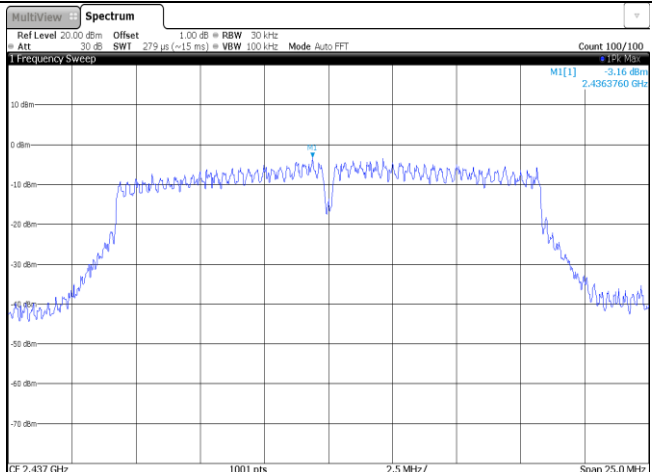
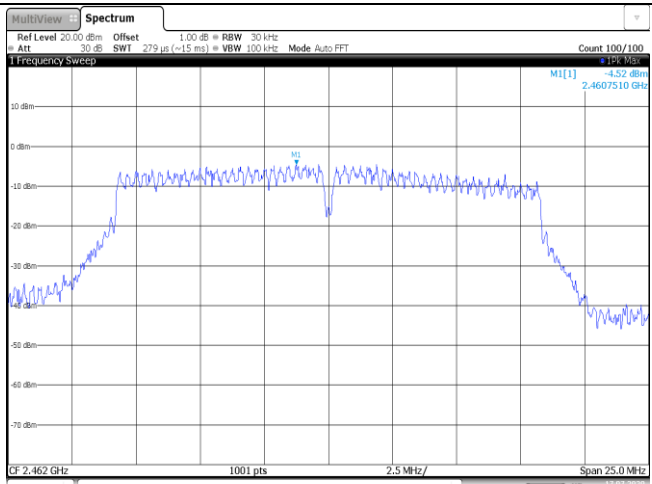
Appendix A: Conducted Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	17.22	14.53	≤ 30.00	Pass
	06	17.61	14.84		
	11	18.00	15.39		
802.11g	01	18.94	16.33	≤ 30.00	Pass
	06	20.57	18.06		
	11	20.39	17.92		
802.11n (HT20)	01	19.01	16.85	≤ 30.00	Pass
	06	20.62	18.11		
	11	20.33	17.89		
802.11n(HT40)	03	19.38	17.07	≤ 30.00	Pass
	06	19.98	17.73		
	09	20.25	17.91		

Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	0.84	≤8.00	Pass
	06	-0.78		
	11	-0.69		
802.11g	01	-5.82	≤8.00	Pass
	06	-3.16		
	11	-4.52		
802.11n(HT20)	01	-5.33	≤8.00	Pass
	06	-2.47		
	11	-4.66		
802.11n(HT40)	03	-8.40	≤8.00	Pass
	06	-7.91		
	09	-7.67		

Type:	802.11 b
CH01	<p>Spectrum 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] 0.84 dBm 2.4139980 GHz CF 2.412 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 17.JUL.2000 16:05:21</p>
CH06	<p>Spectrum 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] 0.78 dBm 2.4378950 GHz CF 2.437 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 17.JUL.2000 16:11:58</p>
CH11	<p>Spectrum 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] -0.69 dBm 2.4610890 GHz CF 2.462 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 17.JUL.2000 16:13:25</p>

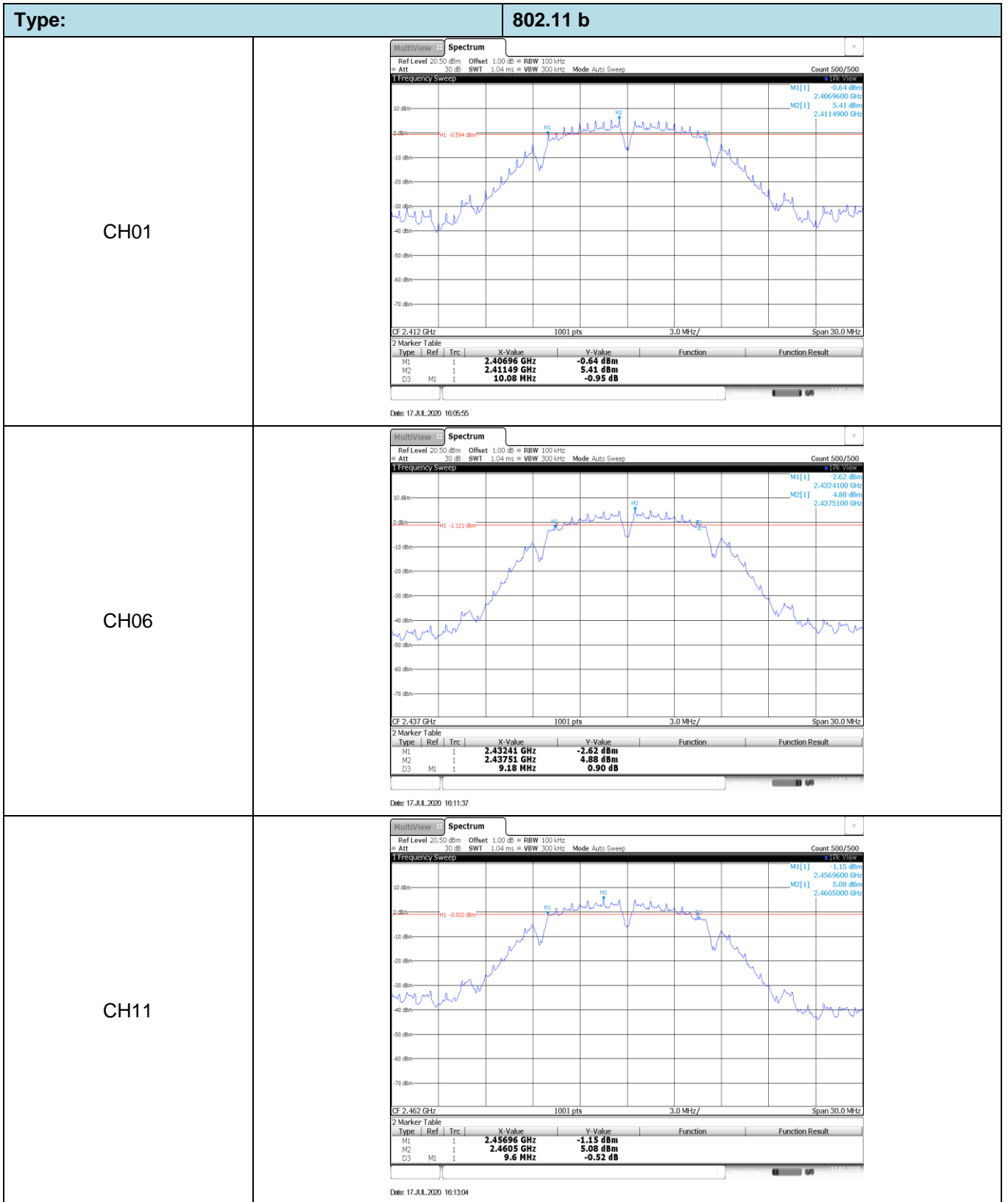
Type:	802.11 g
CH01	 <p>1 Frequency Sweep</p> <p>Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT</p> <p>Count 100/100</p> <p>M1[1] 5.82 dBm 2.4138730 GHz</p> <p>CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 17.JUL.2006 16:15:13</p>
CH06	 <p>1 Frequency Sweep</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>M1[1] 3.16 dBm 2.4363760 GHz</p> <p>CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 17.JUL.2006 16:17:05</p>
CH11	 <p>1 Frequency Sweep</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>M1[1] 4.52 dBm 2.4607510 GHz</p> <p>CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 17.JUL.2006 16:36:05</p>

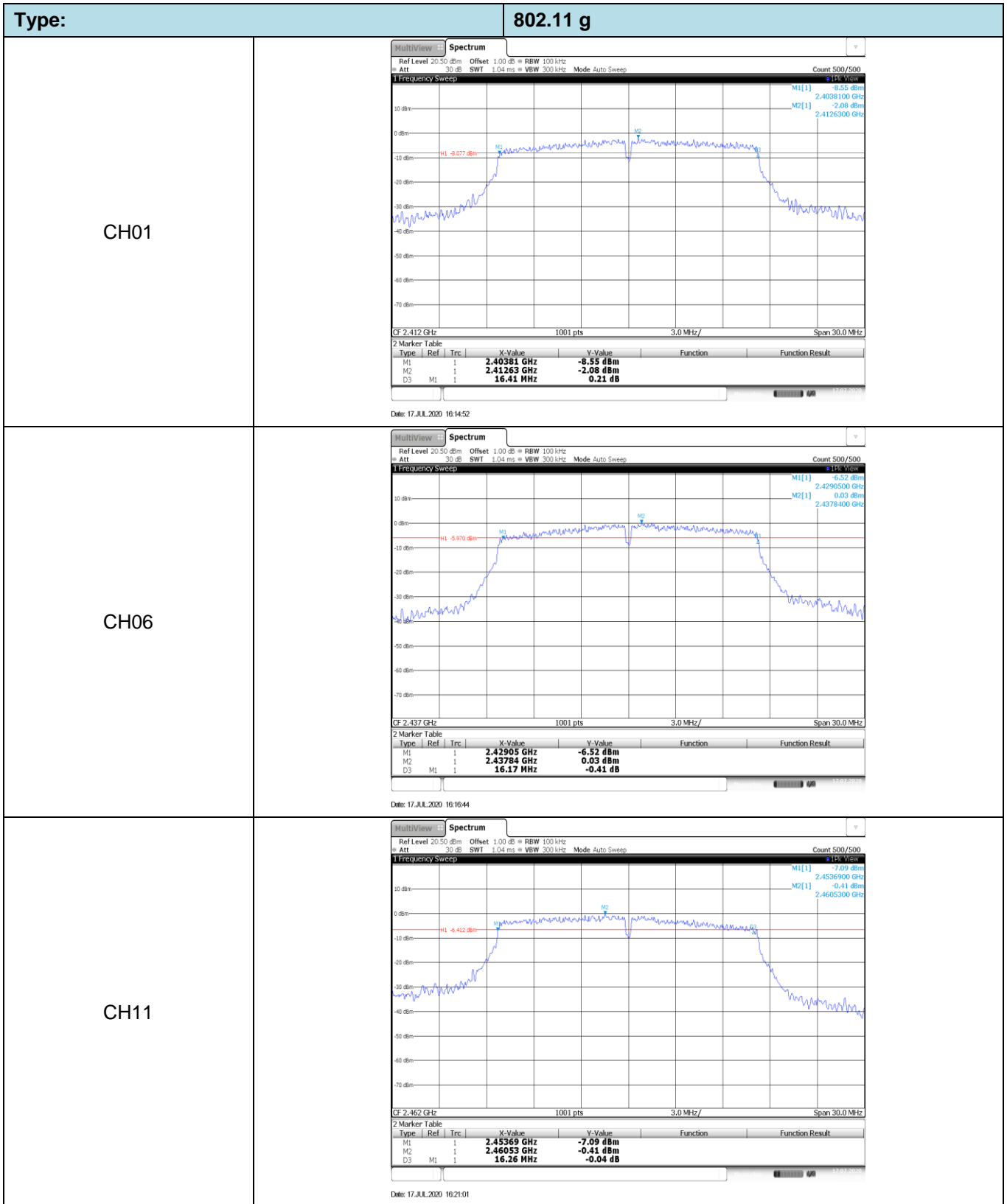
Type:	802.11n(HT20)
CH01	<p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] 5.33 dBm 2.4126240 GHz CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 17.JUL.2009 16:37:47</p>
CH06	<p>Spectrum Ref Level 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 Count 100/100 1 Frequency Sweep MI[1] 2.47 dBm 2.4376240 GHz CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 17.JUL.2009 16:38:30</p>
CH11	<p>Spectrum 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 Count 100/100 1 Frequency Sweep MI[1] -4.66 dBm 2.4611260 GHz CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 17.JUL.2009 16:40:54</p>

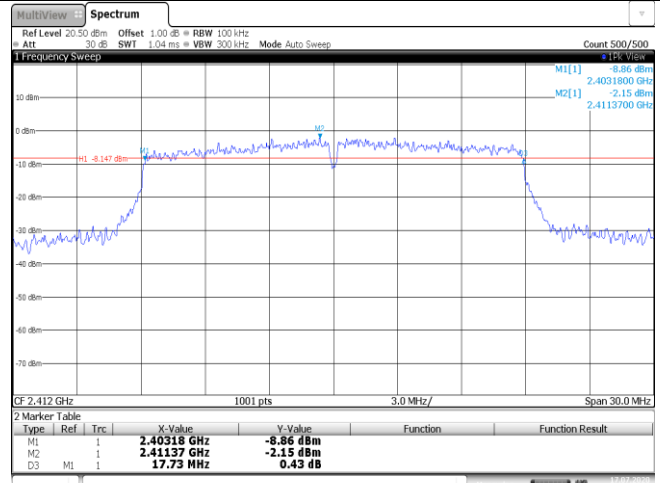
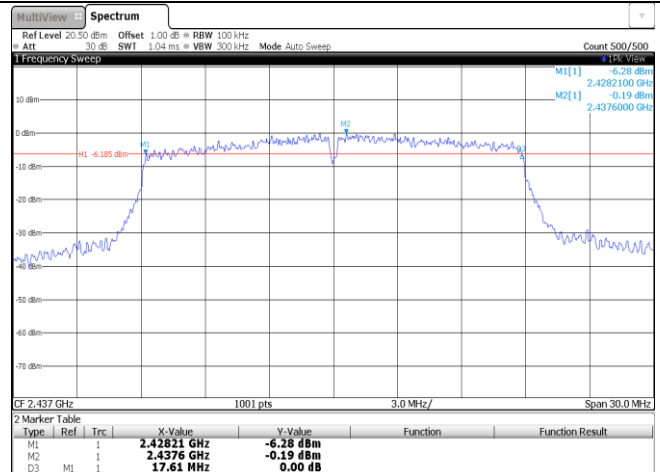
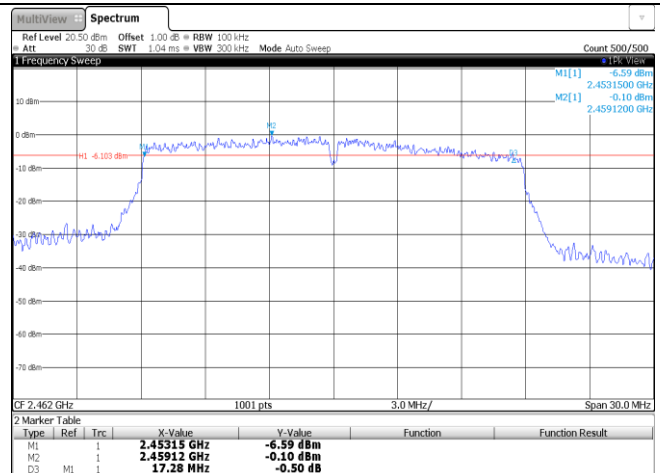
Type:		802.11n(HT40)
CH03	<p> Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 558 us (~27 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] 8.40 dBm 2.4307360 GHz CF 2.422 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 17.JUL.2000 16:42:40 </p>	
CH06	<p> Spectrum Ref 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 1 Frequency Sweep MI[1] 7.91 dBm 2.4435930 GHz CF 2.437 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 17.JUL.2000 16:44:24 </p>	
CH09	<p> Spectrum 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 1 Frequency Sweep MI[1] 7.67 dBm 2.4501320 GHz CF 2.452 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 17.JUL.2000 16:46:17 </p>	

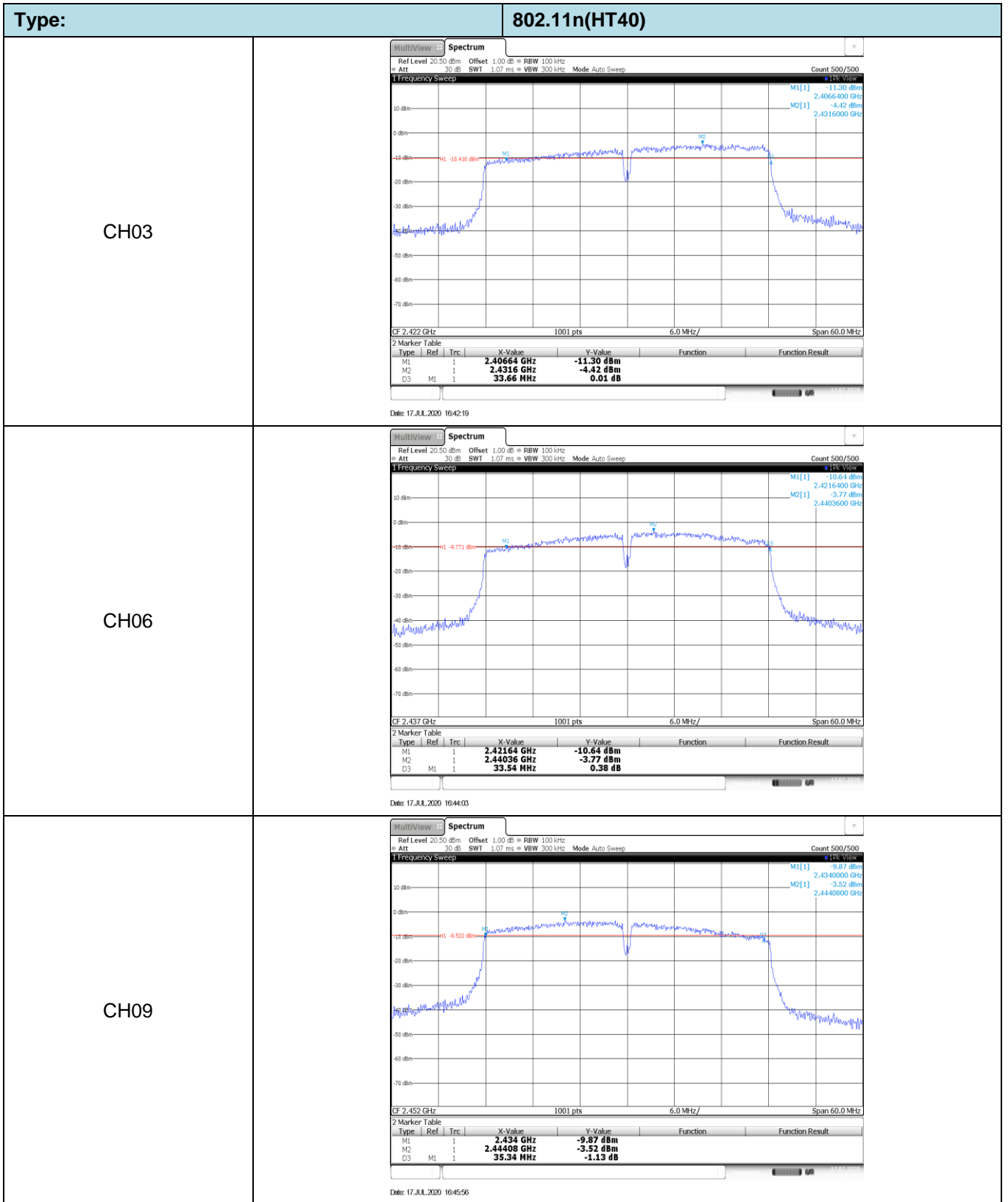
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	10.08	≥0.5	Pass
	06	9.18		
	11	9.60		
802.11g	01	16.41	≥0.5	Pass
	06	16.17		
	11	16.26		
802.11n(HT20)	01	17.73	≥0.5	Pass
	06	17.61		
	11	17.28		
802.11n(HT40)	03	33.66	≥0.5	Pass
	06	33.54		
	09	35.34		



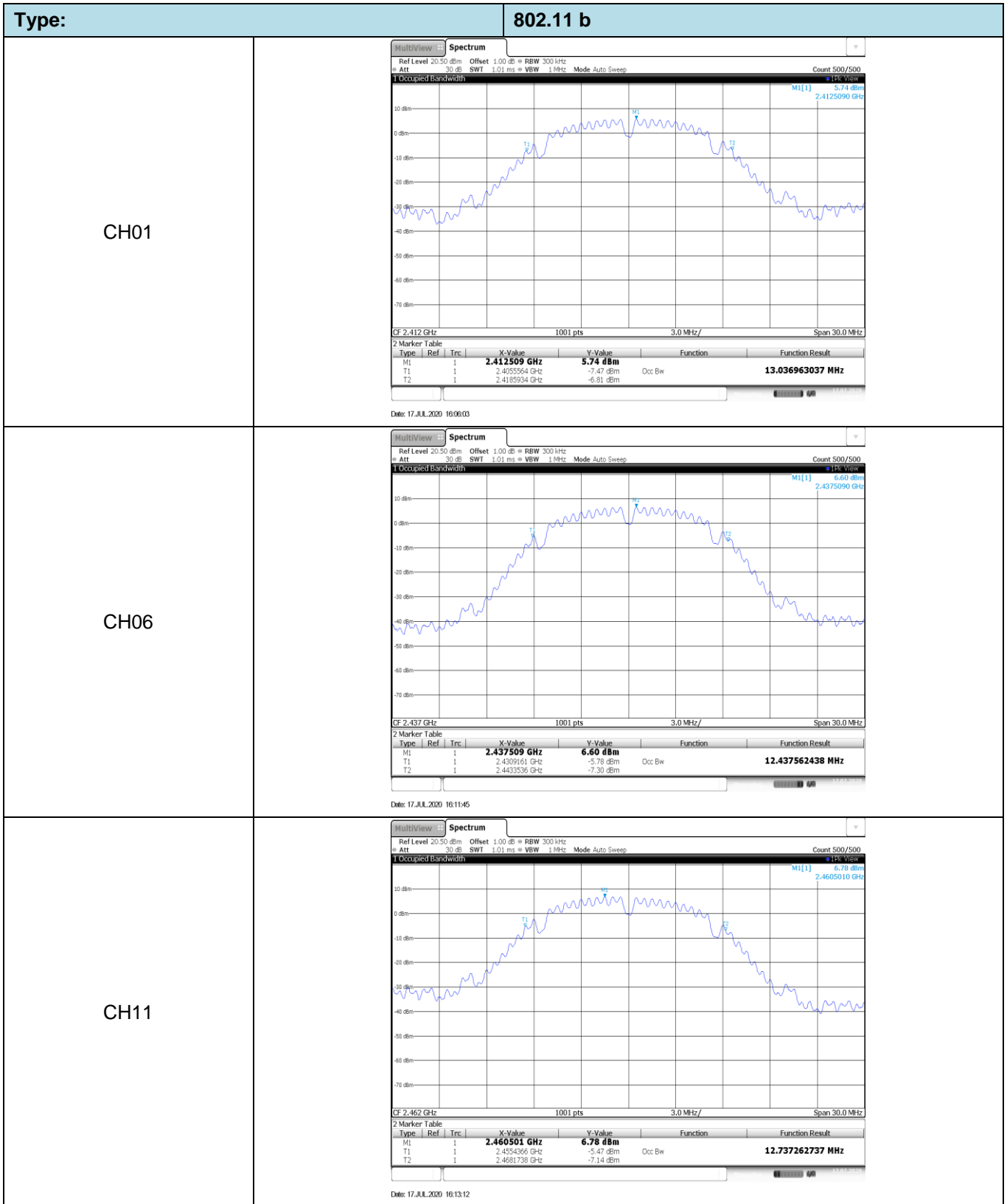


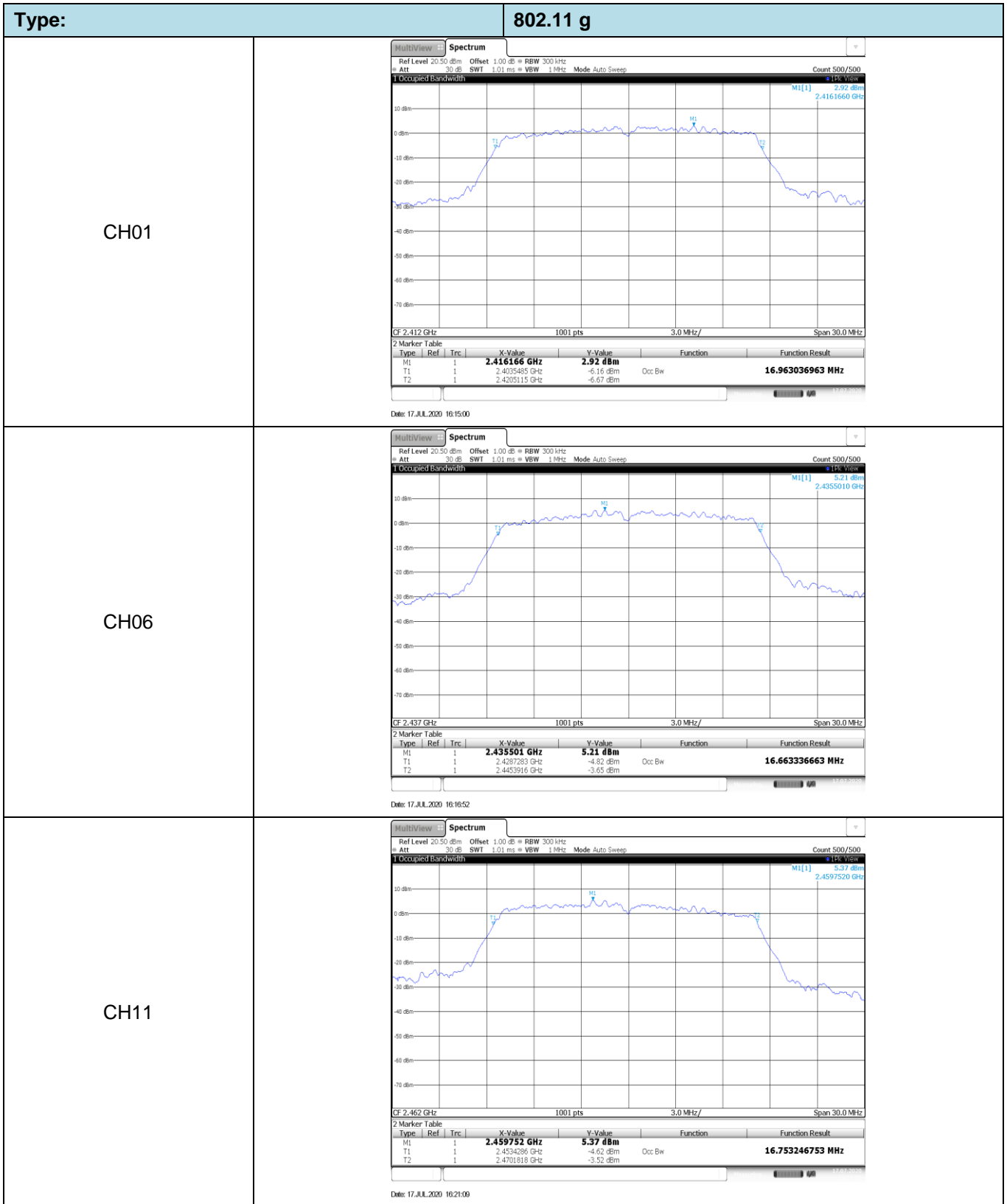
Type:	802.11n(HT20)																												
CH01	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep</p> <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</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>2.40318 GHz</td> <td>-8.86 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.41137 GHz</td> <td>-2.15 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.73 MHz</td> <td>0.43 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2009 16:37:25</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40318 GHz	-8.86 dBm			M2	1		2.41137 GHz	-2.15 dBm			D3	M1	1	17.73 MHz	0.43 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.40318 GHz	-8.86 dBm																									
M2	1		2.41137 GHz	-2.15 dBm																									
D3	M1	1	17.73 MHz	0.43 dB																									
CH06	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep</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>2.42821 GHz</td> <td>-6.28 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4376 GHz</td> <td>-0.19 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.61 MHz</td> <td>0.00 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2009 16:38:09</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.42821 GHz	-6.28 dBm			M2	1		2.4376 GHz	-0.19 dBm			D3	M1	1	17.61 MHz	0.00 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.42821 GHz	-6.28 dBm																									
M2	1		2.4376 GHz	-0.19 dBm																									
D3	M1	1	17.61 MHz	0.00 dB																									
CH11	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep</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>2.45315 GHz</td> <td>-6.59 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.45912 GHz</td> <td>-0.10 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.28 MHz</td> <td>-0.50 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2009 16:40:33</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.45315 GHz	-6.59 dBm			M2	1		2.45912 GHz	-0.10 dBm			D3	M1	1	17.28 MHz	-0.50 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.45315 GHz	-6.59 dBm																									
M2	1		2.45912 GHz	-0.10 dBm																									
D3	M1	1	17.28 MHz	-0.50 dB																									

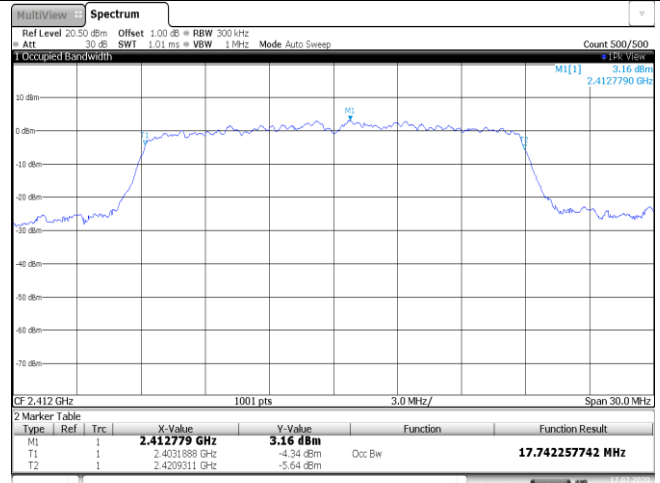
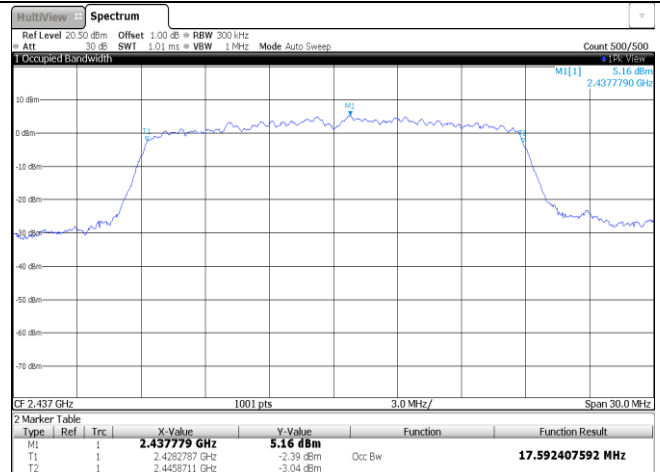
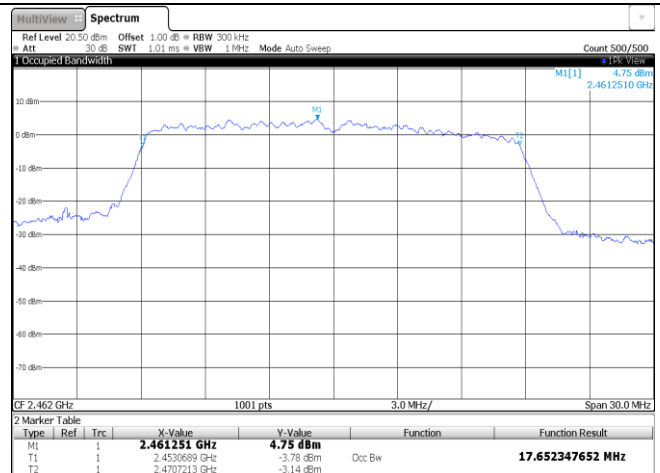


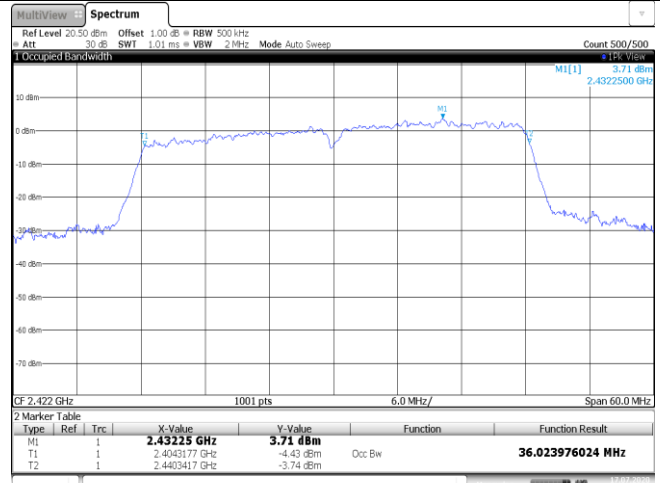
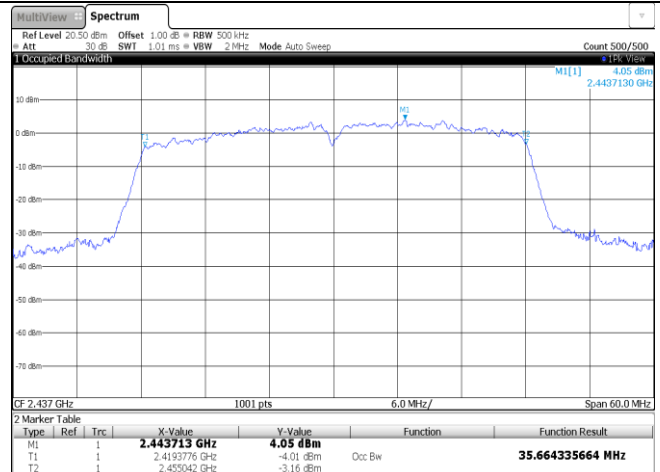

Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	13.04	-	Pass
	06	12.44		
	11	12.74		
802.11g	01	16.96	-	Pass
	06	16.66		
	11	16.75		
802.11n(HT20)	01	17.74	-	Pass
	06	17.59		
	11	17.65		
802.11n(HT40)	03	36.02	-	Pass
	06	35.66		
	09	35.60		



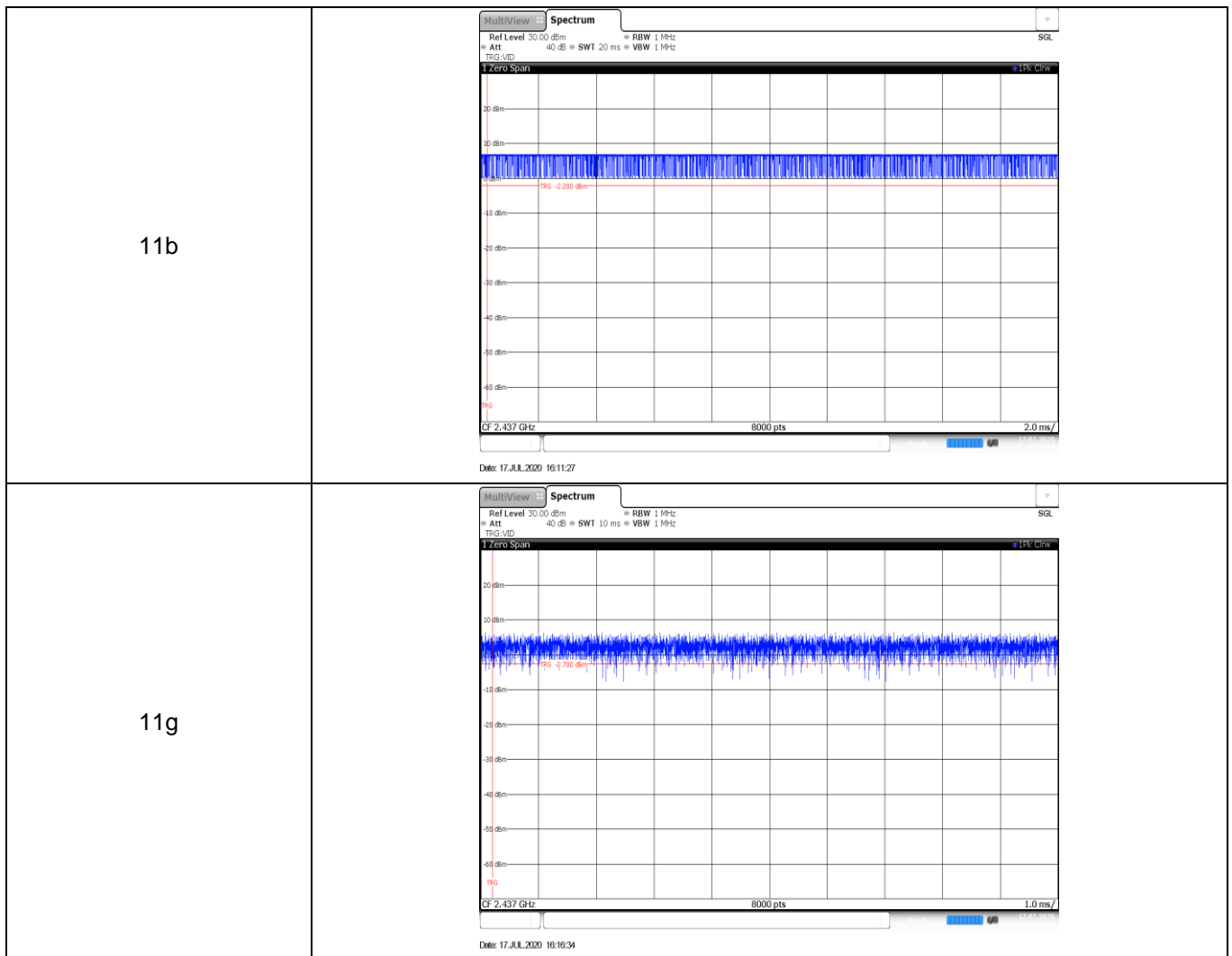


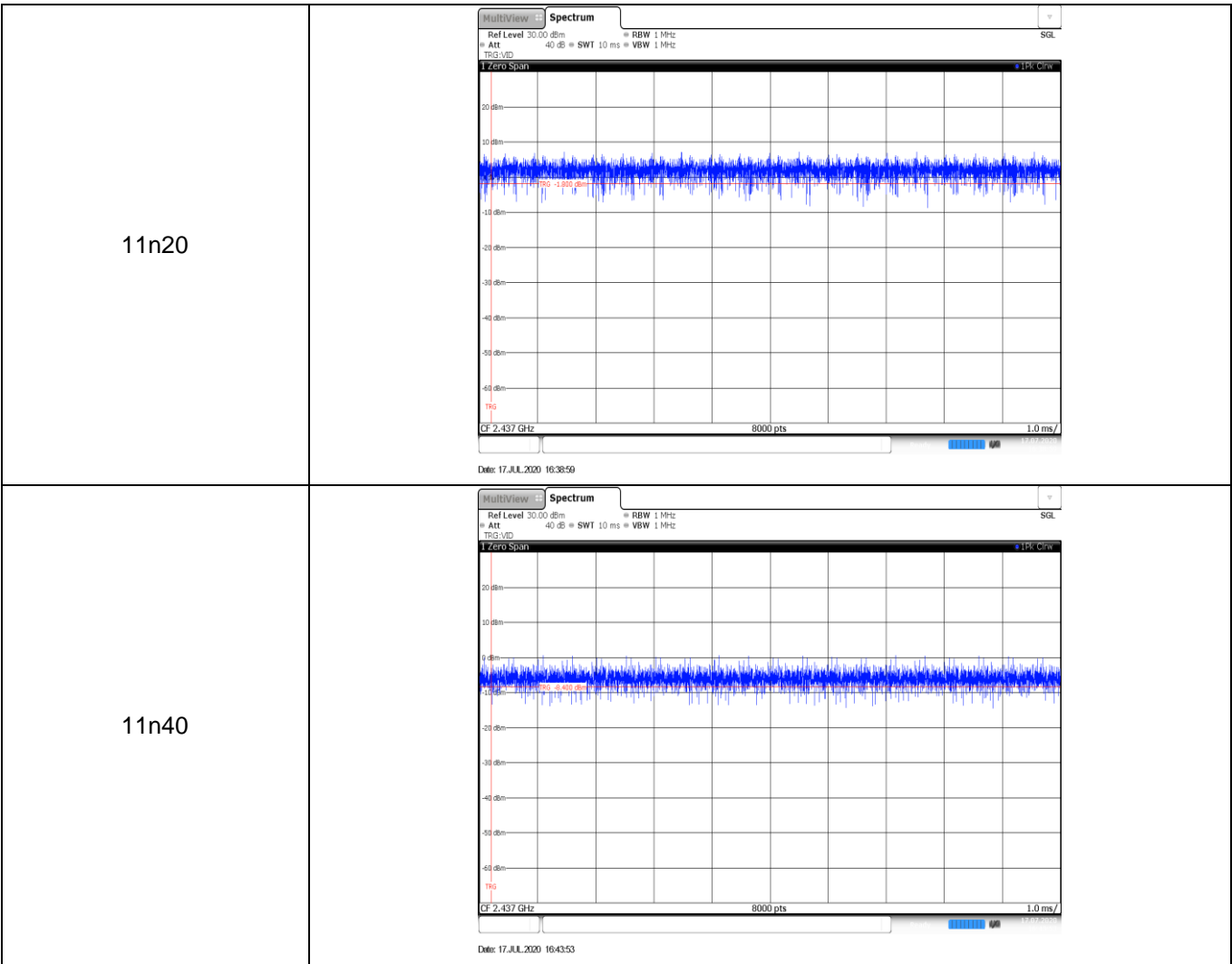
Type:	802.11n(HT20)																												
CH01	 <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth MI[1] 3.16 dBm 2.4127790 GHz</p> <p>GF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <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>1</td> <td></td> <td>2.412779 GHz</td> <td>3.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4031888 GHz</td> <td>-4.34 dBm</td> <td>Occ Bw</td> <td>17.742257742 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4209311 GHz</td> <td>-5.64 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2009 16:37:34</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.412779 GHz	3.16 dBm			T1	1		2.4031888 GHz	-4.34 dBm	Occ Bw	17.742257742 MHz	T2	1		2.4209311 GHz	-5.64 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.412779 GHz	3.16 dBm																									
T1	1		2.4031888 GHz	-4.34 dBm	Occ Bw	17.742257742 MHz																							
T2	1		2.4209311 GHz	-5.64 dBm																									
CH06	 <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth MI[1] 5.16 dBm 2.4377790 GHz</p> <p>GF 2.437 GHz 1001 pts 3.0 MHz/ 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>1</td> <td></td> <td>2.437779 GHz</td> <td>5.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4282787 GHz</td> <td>-2.39 dBm</td> <td>Occ Bw</td> <td>17.592407592 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4458711 GHz</td> <td>-3.04 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2009 16:38:17</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.437779 GHz	5.16 dBm			T1	1		2.4282787 GHz	-2.39 dBm	Occ Bw	17.592407592 MHz	T2	1		2.4458711 GHz	-3.04 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.437779 GHz	5.16 dBm																									
T1	1		2.4282787 GHz	-2.39 dBm	Occ Bw	17.592407592 MHz																							
T2	1		2.4458711 GHz	-3.04 dBm																									
CH11	 <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth MI[1] 4.75 dBm 2.4612510 GHz</p> <p>GF 2.462 GHz 1001 pts 3.0 MHz/ 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>1</td> <td></td> <td>2.461251 GHz</td> <td>4.75 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4530689 GHz</td> <td>-3.78 dBm</td> <td>Occ Bw</td> <td>17.652347652 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4707213 GHz</td> <td>-3.14 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2009 16:40:42</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.461251 GHz	4.75 dBm			T1	1		2.4530689 GHz	-3.78 dBm	Occ Bw	17.652347652 MHz	T2	1		2.4707213 GHz	-3.14 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.461251 GHz	4.75 dBm																									
T1	1		2.4530689 GHz	-3.78 dBm	Occ Bw	17.652347652 MHz																							
T2	1		2.4707213 GHz	-3.14 dBm																									

Type:	802.11n(HT40)																												
CH03	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 500 kHz Att 30 dB SWI 1.01 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth M1[1] 3.71 dBm 2.4322500 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>2.43225 GHz</td> <td>3.71 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4043177 GHz</td> <td>-4.43 dBm</td> <td>Occ Bw</td> <td>36.023976024 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4403417 GHz</td> <td>-3.74 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2009 16:42:28</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.43225 GHz	3.71 dBm			T1	1		2.4043177 GHz	-4.43 dBm	Occ Bw	36.023976024 MHz	T2	1		2.4403417 GHz	-3.74 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.43225 GHz	3.71 dBm																									
T1	1		2.4043177 GHz	-4.43 dBm	Occ Bw	36.023976024 MHz																							
T2	1		2.4403417 GHz	-3.74 dBm																									
CH06	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 500 kHz Att 30 dB SWI 1.01 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth M1[1] 4.05 dBm 2.4437130 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>2.443713 GHz</td> <td>4.05 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4193776 GHz</td> <td>-4.01 dBm</td> <td>Occ Bw</td> <td>35.664335664 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.455042 GHz</td> <td>-3.16 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2009 16:44:11</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.443713 GHz	4.05 dBm			T1	1		2.4193776 GHz	-4.01 dBm	Occ Bw	35.664335664 MHz	T2	1		2.455042 GHz	-3.16 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.443713 GHz	4.05 dBm																									
T1	1		2.4193776 GHz	-4.01 dBm	Occ Bw	35.664335664 MHz																							
T2	1		2.455042 GHz	-3.16 dBm																									
CH09	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 500 kHz Att 30 dB SWI 1.01 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth M1[1] 4.28 dBm 2.4498420 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>2.449842 GHz</td> <td>4.28 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4340779 GHz</td> <td>-2.57 dBm</td> <td>Occ Bw</td> <td>35.604395604 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4696623 GHz</td> <td>-3.88 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2009 16:46:04</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.449842 GHz	4.28 dBm			T1	1		2.4340779 GHz	-2.57 dBm	Occ Bw	35.604395604 MHz	T2	1		2.4696623 GHz	-3.88 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.449842 GHz	4.28 dBm																									
T1	1		2.4340779 GHz	-2.57 dBm	Occ Bw	35.604395604 MHz																							
T2	1		2.4696623 GHz	-3.88 dBm																									

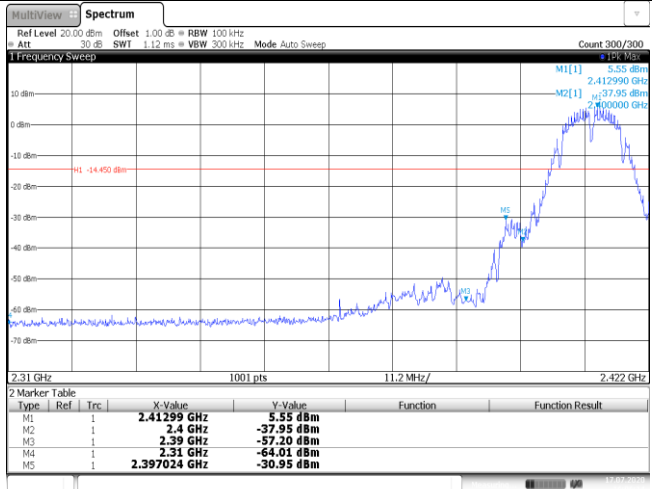
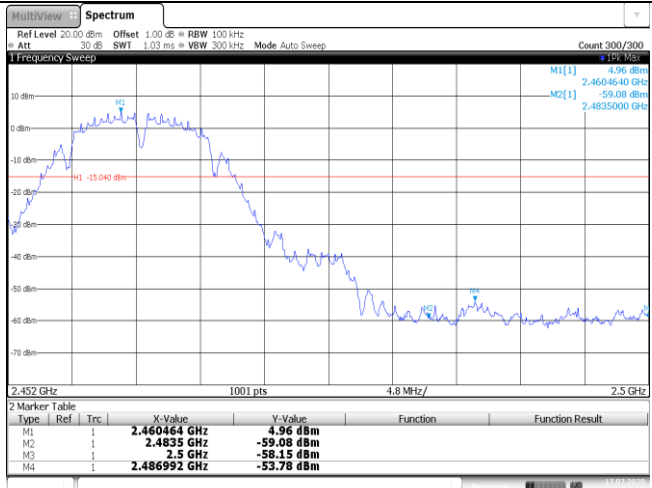
Appendix E: Duty Cycle

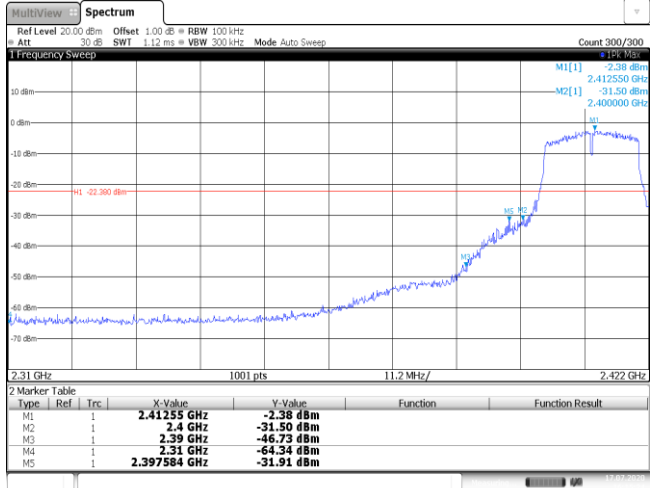
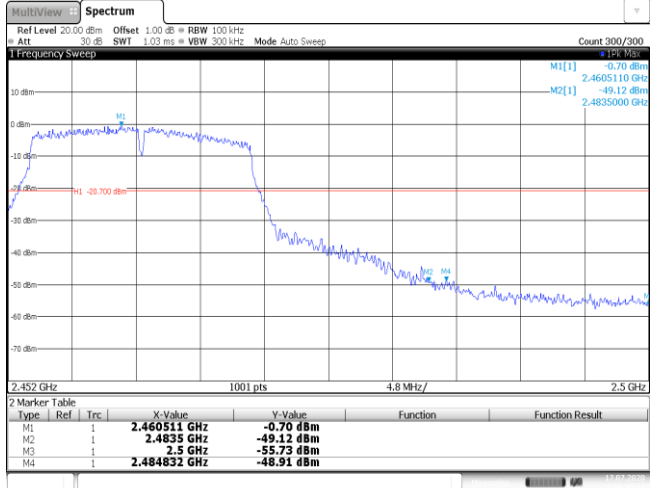
Modulation Type	Test Frequency (MHz)	T _{on time} for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on time} (kHz)
11b	2437	1.00	1.00	100%	1.0
11g	2437	1.00	1.00	100%	1.0
11n20	2437	1.00	1.00	100%	1.0
11n40	2437	1.00	1.00	100%	1.0

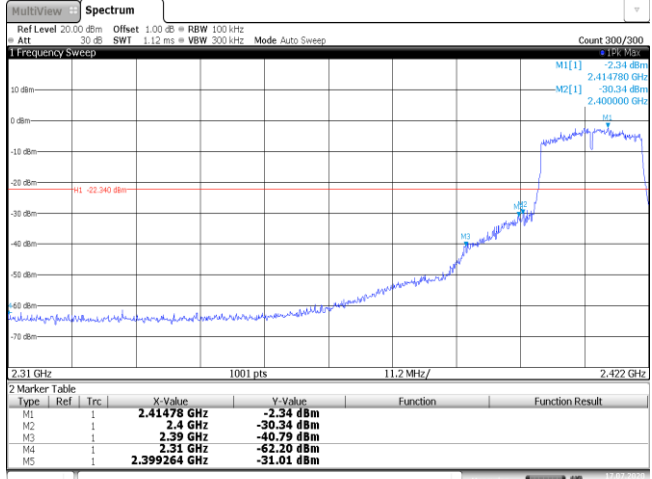
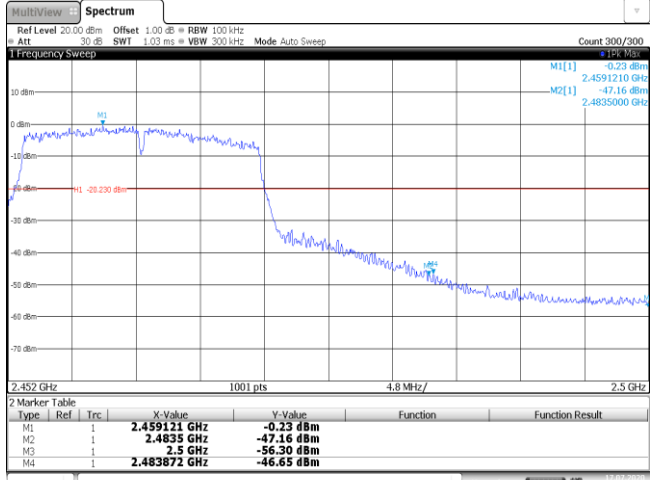


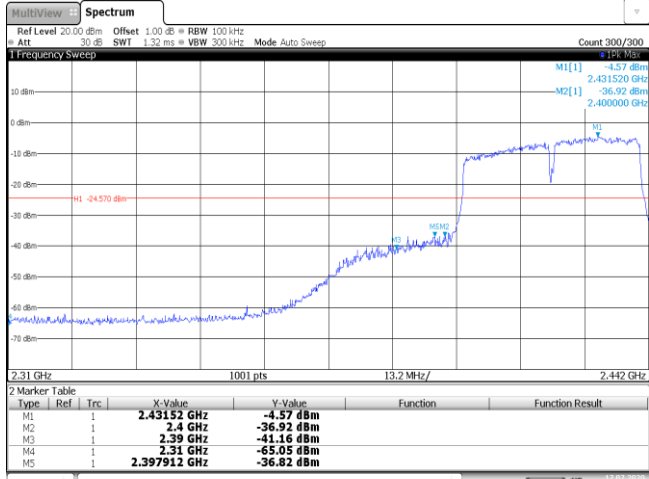
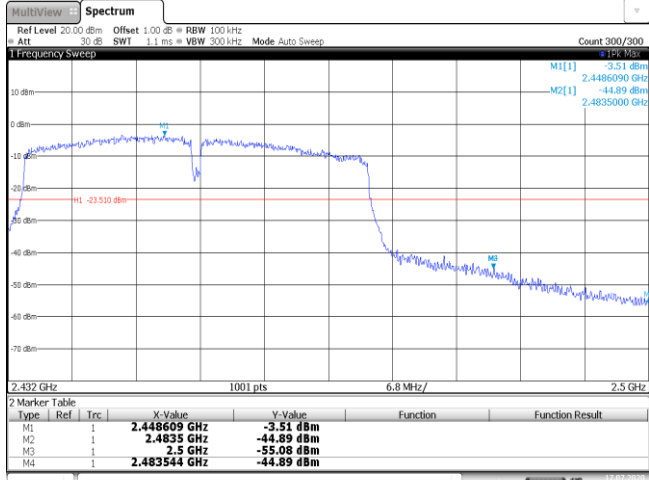


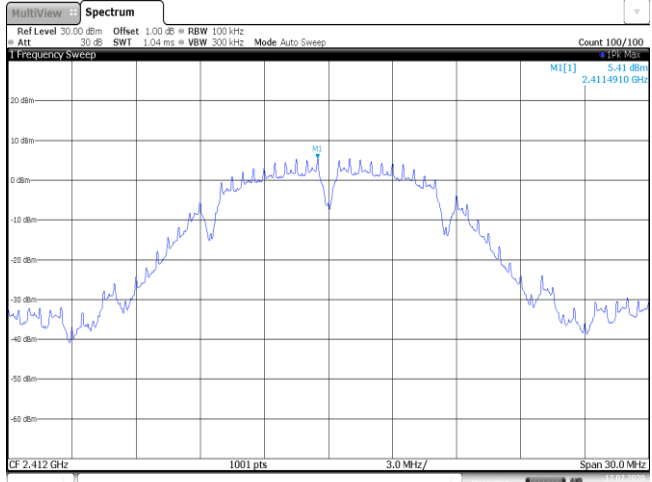
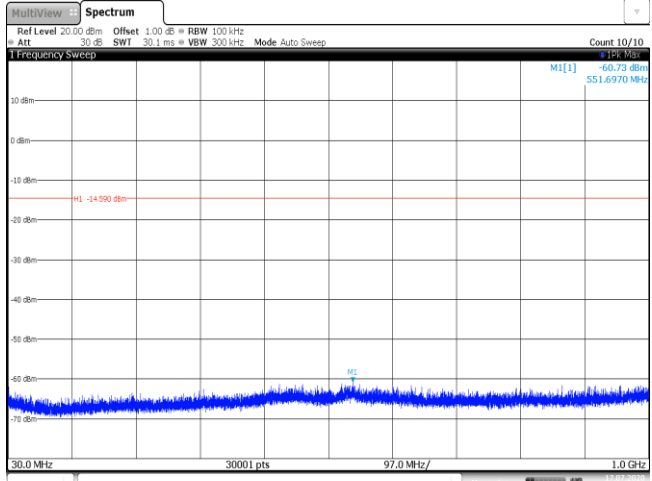
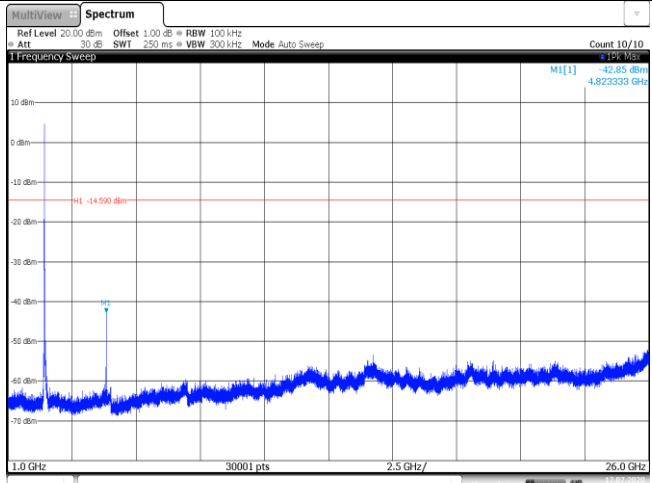
Appendix F: Band edge and Spurious Emissions (conducted)

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>2.41299 GHz</td> <td>5.55 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-37.95 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-57.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.01 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.397024 GHz</td> <td>-30.95 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2020 16:06:13</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41299 GHz	5.55 dBm			M2	1		2.4 GHz	-37.95 dBm			M3	1		2.39 GHz	-57.20 dBm			M4	1		2.31 GHz	-64.01 dBm			M5	1		2.397024 GHz	-30.95 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41299 GHz	5.55 dBm																																									
M2	1		2.4 GHz	-37.95 dBm																																									
M3	1		2.39 GHz	-57.20 dBm																																									
M4	1		2.31 GHz	-64.01 dBm																																									
M5	1		2.397024 GHz	-30.95 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>2.450464 GHz</td> <td>4.96 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-59.08 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-58.15 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.486992 GHz</td> <td>-53.78 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2020 16:13:35</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.450464 GHz	4.96 dBm			M2	1		2.4835 GHz	-59.08 dBm			M3	1		2.5 GHz	-58.15 dBm			M4	1		2.486992 GHz	-53.78 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.450464 GHz	4.96 dBm																																									
M2	1		2.4835 GHz	-59.08 dBm																																									
M3	1		2.5 GHz	-58.15 dBm																																									
M4	1		2.486992 GHz	-53.78 dBm																																									

Test Item:	Bandedge	Type:	802.11 g																																										
CH01	 <p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.12 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1 Frequency Sweep M1[1] 2.38 dBm 2.412550 GHz M2[1] -31.50 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>2.41255 GHz</td> <td>-2.38 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-31.50 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-46.73 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.34 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.397504 GHz</td> <td>-31.91 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2020 16:15:24</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41255 GHz	-2.38 dBm			M2	1		2.4 GHz	-31.50 dBm			M3	1		2.39 GHz	-46.73 dBm			M4	1		2.31 GHz	-64.34 dBm			M5	1		2.397504 GHz	-31.91 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41255 GHz	-2.38 dBm																																									
M2	1		2.4 GHz	-31.50 dBm																																									
M3	1		2.39 GHz	-46.73 dBm																																									
M4	1		2.31 GHz	-64.34 dBm																																									
M5	1		2.397504 GHz	-31.91 dBm																																									
CH11	 <p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.03 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1 Frequency Sweep M1[1] -0.70 dBm 2.4605110 GHz M2[1] -49.12 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>2.460511 GHz</td> <td>-0.70 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-49.12 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-55.73 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.484852 GHz</td> <td>-48.91 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2020 16:36:15</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.460511 GHz	-0.70 dBm			M2	1		2.4835 GHz	-49.12 dBm			M3	1		2.5 GHz	-55.73 dBm			M4	1		2.484852 GHz	-48.91 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.460511 GHz	-0.70 dBm																																									
M2	1		2.4835 GHz	-49.12 dBm																																									
M3	1		2.5 GHz	-55.73 dBm																																									
M4	1		2.484852 GHz	-48.91 dBm																																									

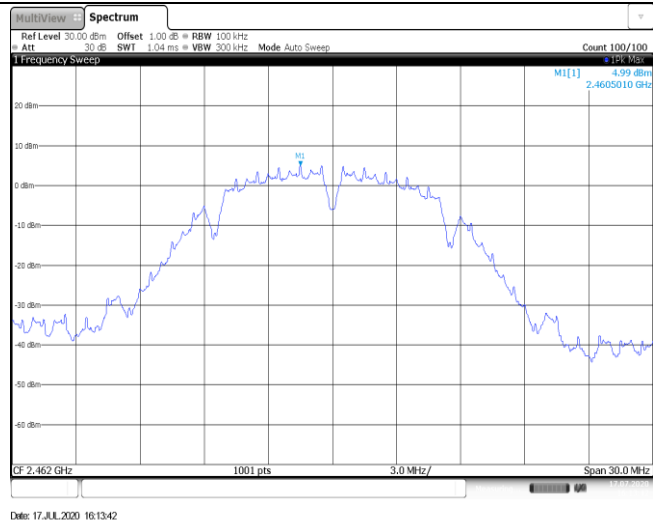
Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
CH01		 <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.41478 GHz</td> <td>-2.34 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-30.34 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-40.79 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-62.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399264 GHz</td> <td>-31.01 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2020 16:37:57</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41478 GHz	-2.34 dBm			M2	1		2.4 GHz	-30.34 dBm			M3	1		2.39 GHz	-40.79 dBm			M4	1		2.31 GHz	-62.20 dBm			M5	1		2.399264 GHz	-31.01 dBm			
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41478 GHz	-2.34 dBm																																									
M2	1		2.4 GHz	-30.34 dBm																																									
M3	1		2.39 GHz	-40.79 dBm																																									
M4	1		2.31 GHz	-62.20 dBm																																									
M5	1		2.399264 GHz	-31.01 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>2.459121 GHz</td> <td>-0.23 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-47.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-56.30 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483872 GHz</td> <td>-46.65 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2020 16:41:04</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.459121 GHz	-0.23 dBm			M2	1		2.4835 GHz	-47.16 dBm			M3	1		2.5 GHz	-56.30 dBm			M4	1		2.483872 GHz	-46.65 dBm										
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.459121 GHz	-0.23 dBm																																									
M2	1		2.4835 GHz	-47.16 dBm																																									
M3	1		2.5 GHz	-56.30 dBm																																									
M4	1		2.483872 GHz	-46.65 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>M1[1] -4.57 dBm 2.431520 GHz M2[1] -36.92 dBm 2.400000 GHz</p> <p>2.31 GHz 1001 pts 13.2 MHz/ 2.442 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>2.43152 GHz</td> <td>-4.57 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-36.92 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-41.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-65.05 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.397912 GHz</td> <td>-36.82 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2020 16:42:50</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.43152 GHz	-4.57 dBm			M2	1		2.4 GHz	-36.92 dBm			M3	1		2.39 GHz	-41.16 dBm			M4	1		2.31 GHz	-65.05 dBm			M5	1		2.397912 GHz	-36.82 dBm			
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.43152 GHz	-4.57 dBm																																									
M2	1		2.4 GHz	-36.92 dBm																																									
M3	1		2.39 GHz	-41.16 dBm																																									
M4	1		2.31 GHz	-65.05 dBm																																									
M5	1		2.397912 GHz	-36.82 dBm																																									
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>M1[1] -3.51 dBm 2.4486090 GHz M2[1] -44.89 dBm 2.4835000 GHz</p> <p>2.432 GHz 1001 pts 6.8 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>2.448609 GHz</td> <td>-3.51 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-44.89 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-55.08 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483544 GHz</td> <td>-44.89 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 17.JUL.2020 16:46:27</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.448609 GHz	-3.51 dBm			M2	1		2.4835 GHz	-44.89 dBm			M3	1		2.5 GHz	-55.08 dBm			M4	1		2.483544 GHz	-44.89 dBm										
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.448609 GHz	-3.51 dBm																																									
M2	1		2.4835 GHz	-44.89 dBm																																									
M3	1		2.5 GHz	-55.08 dBm																																									
M4	1		2.483544 GHz	-44.89 dBm																																									

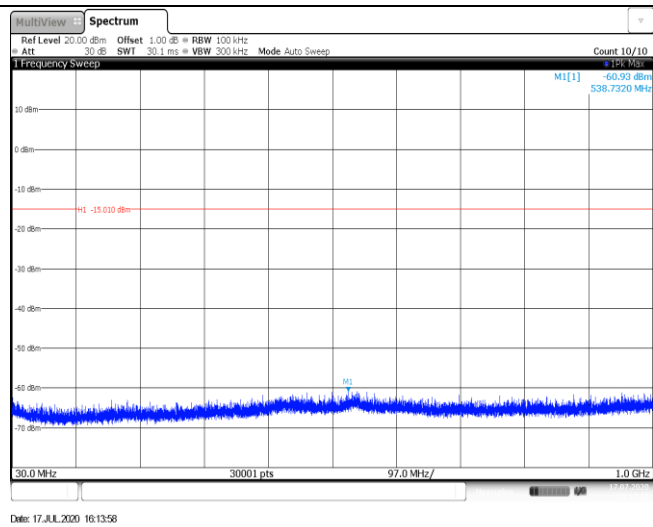
Test Item:	SE	Type:	802.11b
<p>CH01 Reference level</p>			
<p>CH01 30MHz~1000MHz</p>			
<p>CH01 1GHz~26GHz</p>			

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

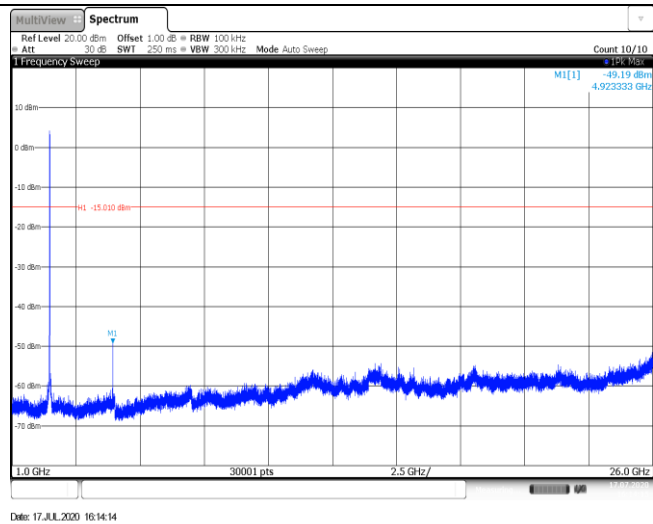
CH11
Reference level

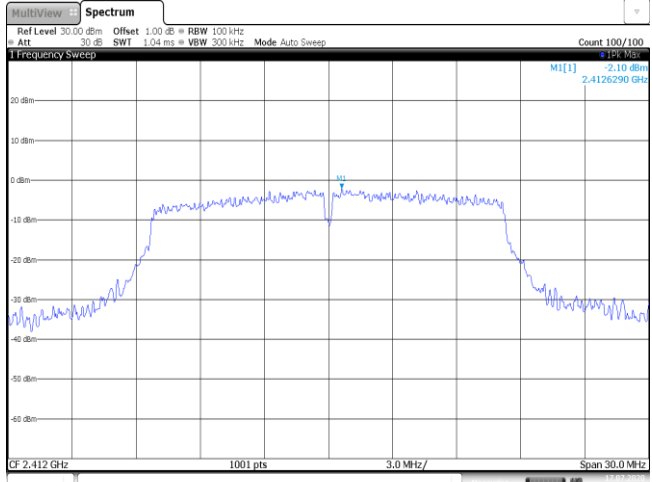
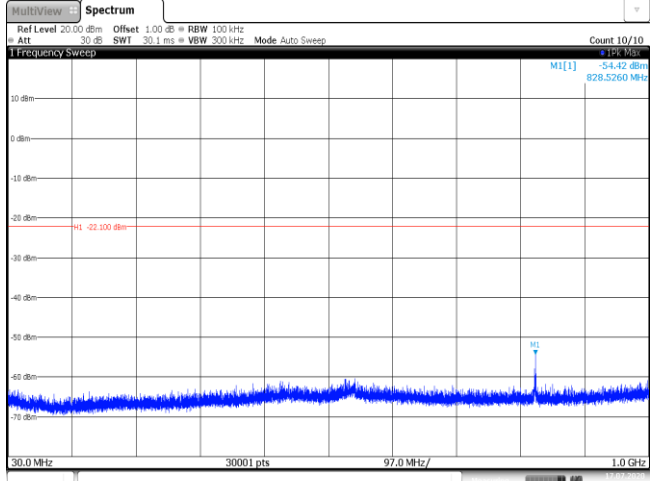
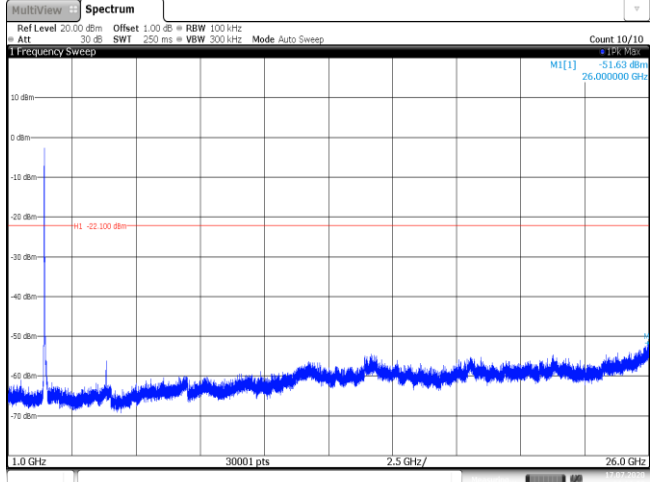


CH11
30MHz~1000MHz

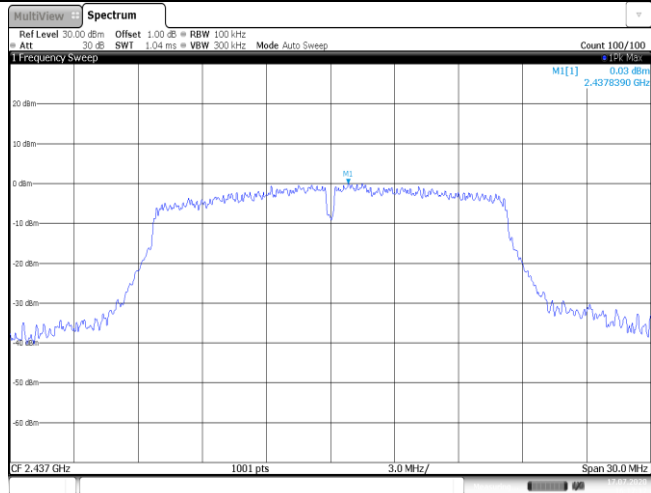


CH11
1GHz~26GHz

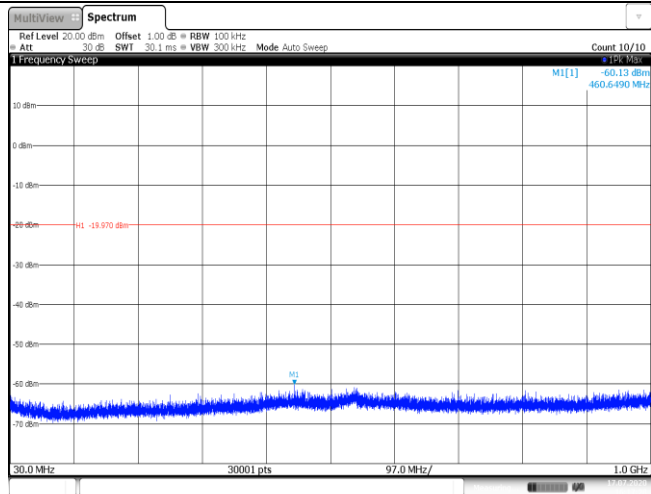


Test Item:	SE	Type:	802.11g
<p>CH01 Reference level</p>			
<p>CH01 30MHz~1000MHz</p>			
<p>CH01 1GHz~26GHz</p>			

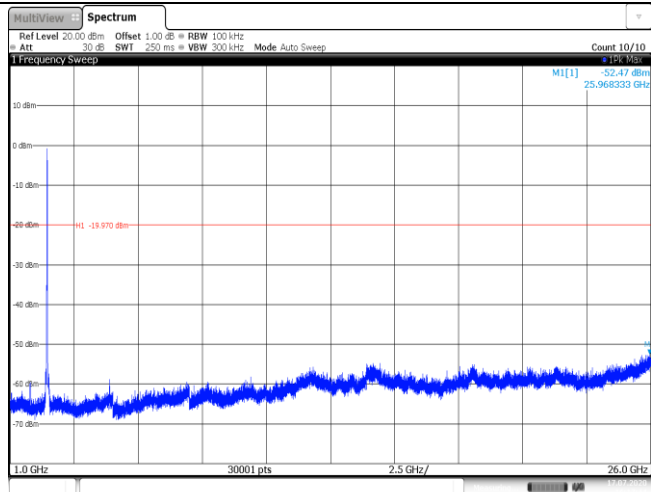
CH06
Reference level



CH06
30MHz~1000MHz



CH06
1GHz~26GHz

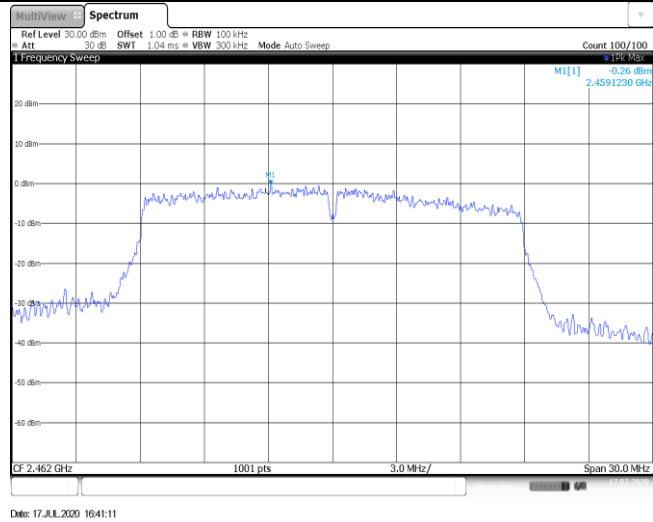


<p>CH11 Reference level</p>	<p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] -0.71 dBm 2.4605010 GHz CF 2.462 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 17.JUL.2020 16:36:22</p>
<p>CH11 30MHz~1000MHz</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] -56.35 dBm 831.1770 MHz H1 -20.710 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 17.JUL.2020 16:36:38</p>
<p>CH11 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] -51.70 dBm 25.916667 GHz H1 -20.710 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 17.JUL.2020 16:36:54</p>

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

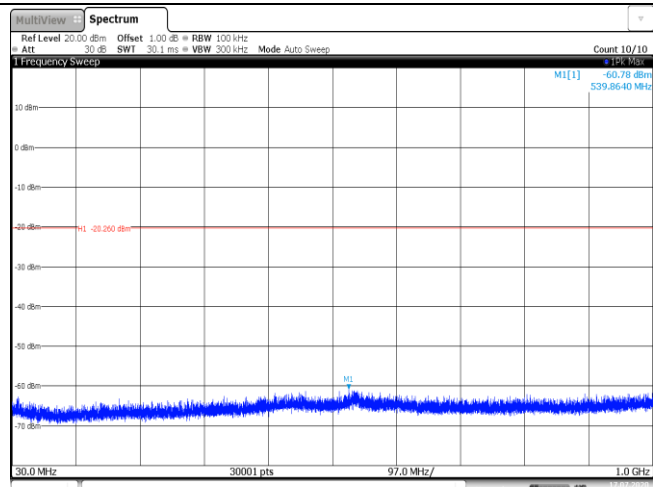
<p>CH06 Reference level</p>	
<p>CH06 30MHz~1000MHz</p>	
<p>CH06 1GHz~26GHz</p>	

CH11
Reference level



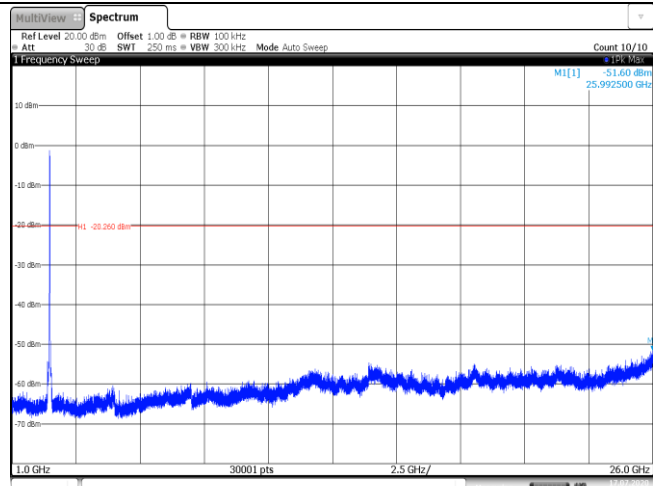
Date: 17.JUL.2020 16:41:11

CH11
30MHz~1000MHz



Date: 17.JUL.2020 16:41:27

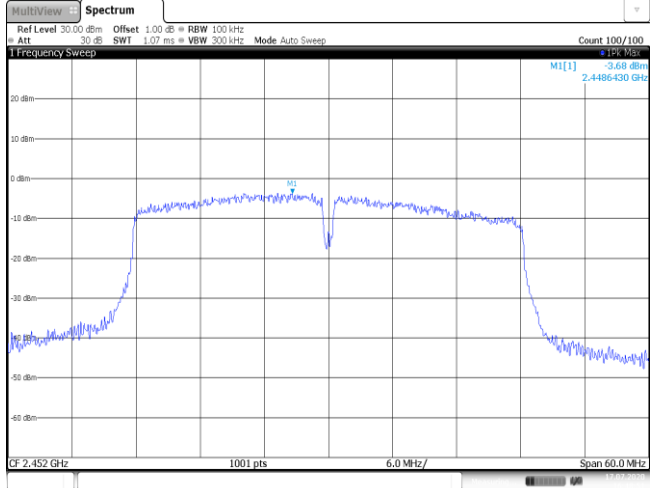
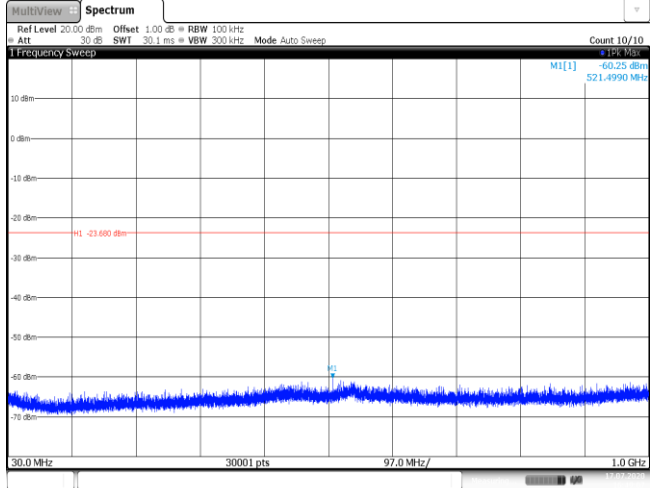
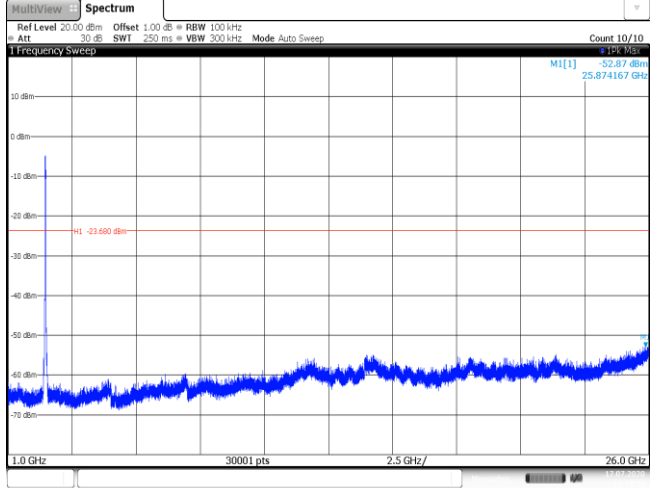
CH11
1GHz~26GHz



Date: 17.JUL.2020 16:41:43

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] -4.61 dBm 2.4353670 GHz CF 2.422 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 17.JUL.2020 16:42:57</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] -60.83 dBm 492.5380 MHz H1 -24.610 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 17.JUL.2020 16:43:13</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] -52.33 dBm 25.939167 GHz H1 -24.610 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 17.JUL.2020 16:43:30</p>

<p>CH06 Reference level</p>	<p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWT 1.07 ms VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] -3.82 dBm 2.4403570 GHz CF 2.437 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 17.JUL.2020 16:44:30</p>
<p>CH06 30MHz~1000MHz</p>	<p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1[1] -60.98 dBm 533.0410 MHz -23.820 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 17.JUL.2020 16:44:47</p>
<p>CH06 1GHz~26GHz</p>	<p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M1[1] -52.45 dBm 25.930000 GHz -23.820 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 17.JUL.2020 16:45:03</p>

<p>CH09 Reference level</p>	 <p>Date: 17.JUL.2020 16:48:51</p>
<p>CH09 30MHz~1000MHz</p>	 <p>Date: 17.JUL.2020 16:49:07</p>
<p>CH09 1GHz~26GHz</p>	 <p>Date: 17.JUL.2020 16:49:23</p>

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