

# APPENDIX REPORT

Project No.	SHT2007054805EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT20070548009	Model No.	P4H
Start test date	2020/7/22	Finish date	2020/7/22
Temperature	25°C	Humidity	50%
Test Engineer	Jiongsheng.Feng	Auditor	Xiaodong Zheo

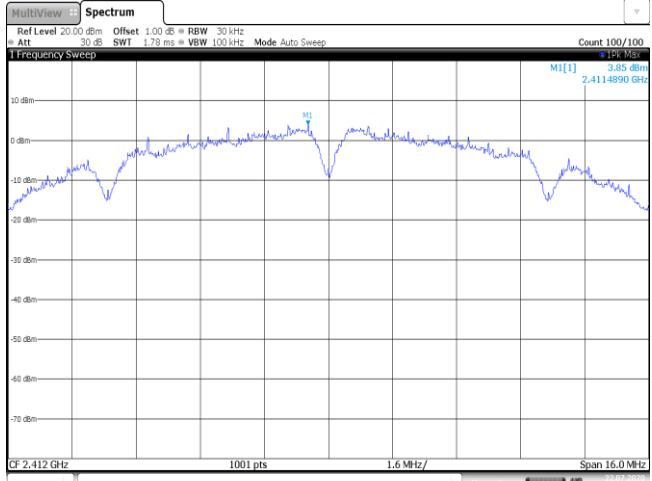
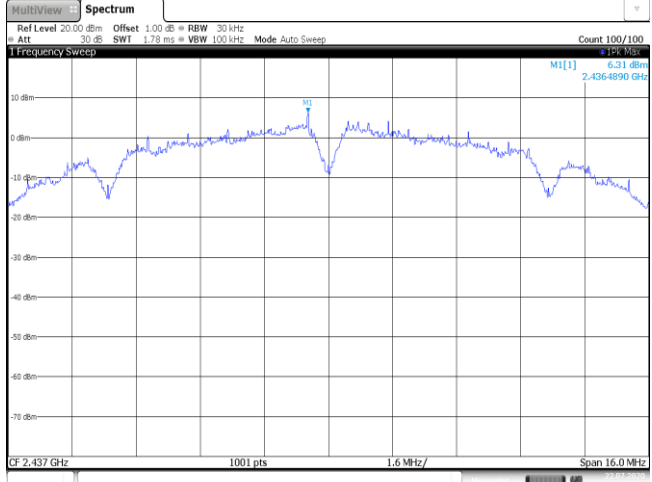
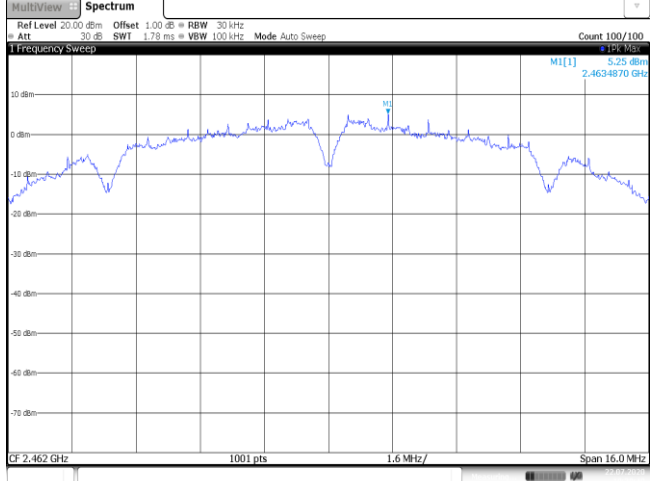
Appendix clause	Test item	Result
A	Conducted Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

**Appendix A: Conducted Peak Output Power**

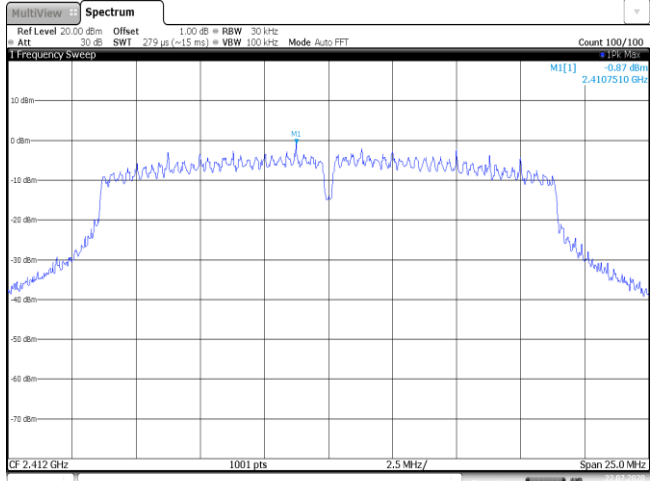
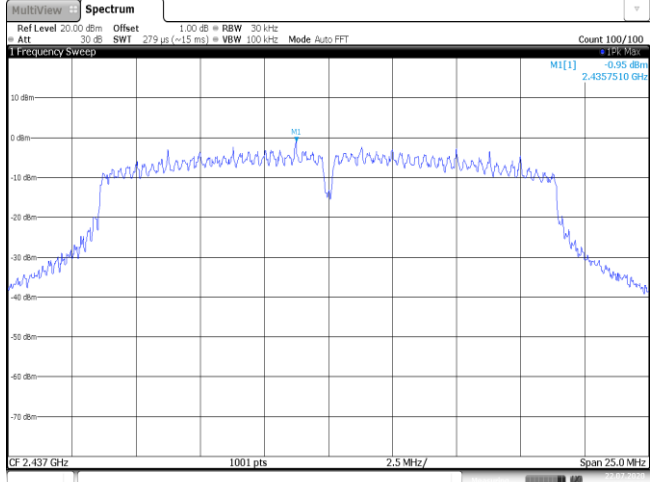
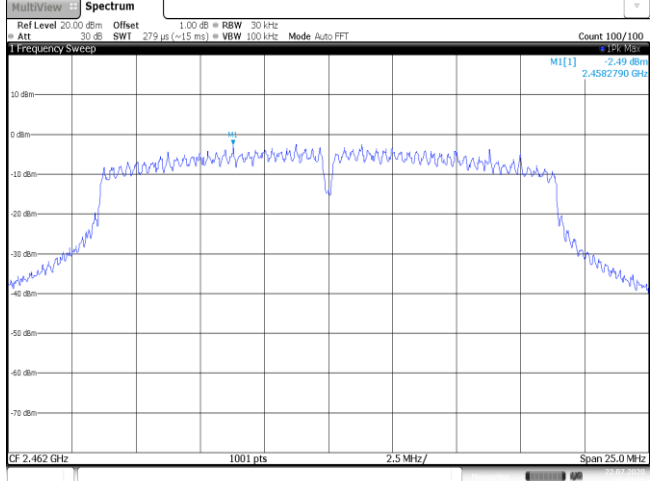
Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	19.49	17.17	≤ 30.00	Pass
	06	19.48	17.15		
	11	19.12	17.01		
802.11g	01	22.85	20.45	≤ 30.00	Pass
	06	22.82	20.32		
	11	22.50	20.15		
802.11n (HT20)	01	22.16	19.74	≤ 30.00	Pass
	06	22.21	19.86		
	11	21.82	19.37		

**Appendix B: Power Spectral Density**

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	3.85	≤8.00	Pass
	06	6.31		
	11	5.25		
802.11g	01	-1.44	≤8.00	Pass
	06	-1.20		
	11	-1.73		
802.11n(HT20)	01	-0.87	≤8.00	Pass
	06	-0.95		
	11	-2.49		

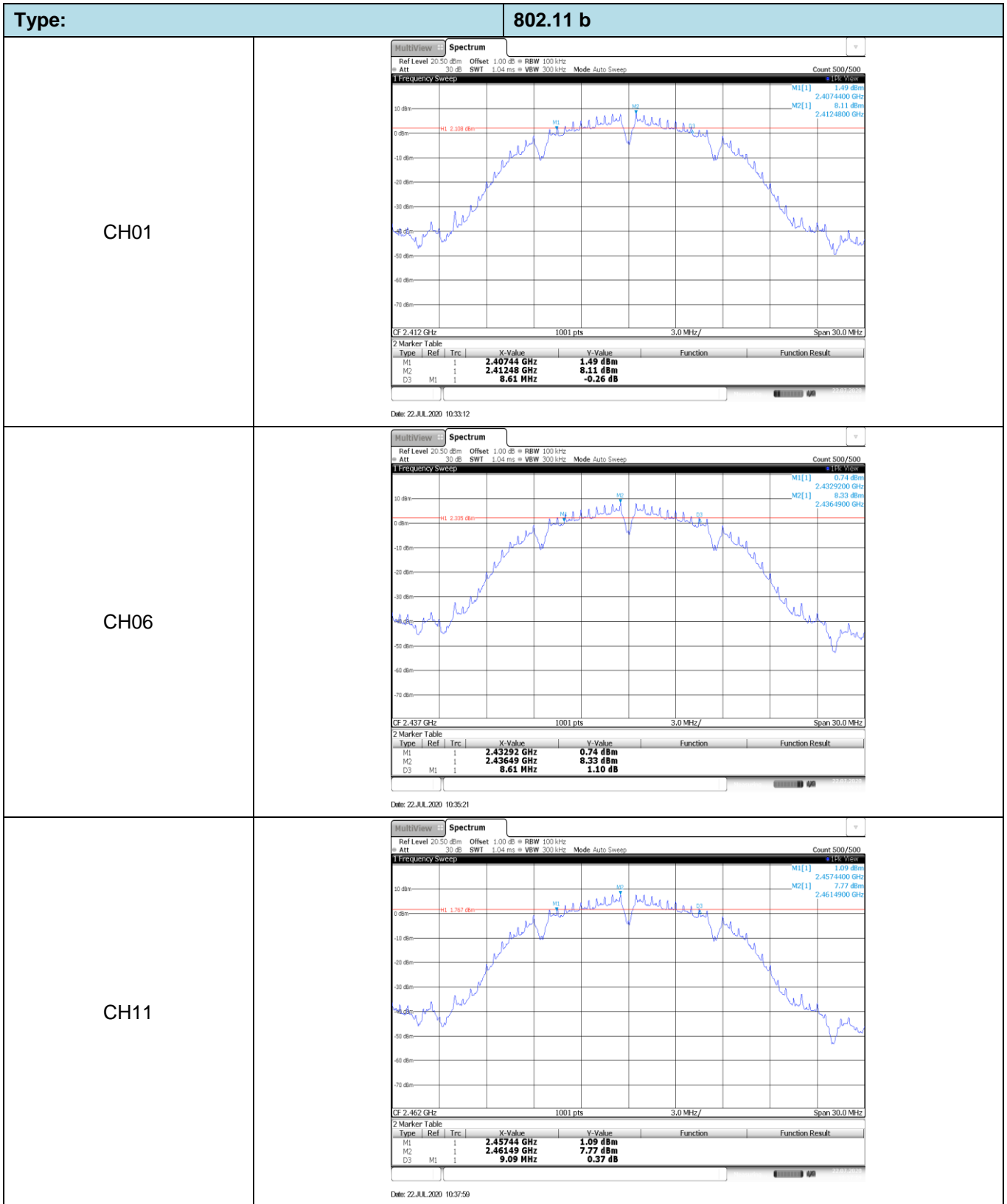
Type:		802.11 b
CH01	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 1.78 ms VBW 100 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MI(1) 3.85 dBm 2.4114890 GHz CF 2.412 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 22.JUL.2020 10:33:37</p>	
CH06	 <p>MultiView Spectrum 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 1 Frequency Sweep MI(1) 6.31 dBm 2.4364890 GHz CF 2.437 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 22.JUL.2020 10:36:33</p>	
CH11	 <p>MultiView 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 1 Frequency Sweep MI(1) 5.25 dBm 2.4634870 GHz CF 2.462 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 22.JUL.2020 10:38:48</p>	

Type:	802.11 g	
CH01	<p>                     MultiView 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) 1.44 dBm                      2.414980 GHz                      CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz                      Date: 22.JUL.2009 10:42:47                 </p>	
CH06	<p>                     MultiView 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) 1.20 dBm                      2.4357260 GHz                      CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz                      Date: 22.JUL.2009 10:45:09                 </p>	
CH11	<p>                     MultiView 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) 1.73 dBm                      2.4607260 GHz                      CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz                      Date: 22.JUL.2009 10:47:14                 </p>	

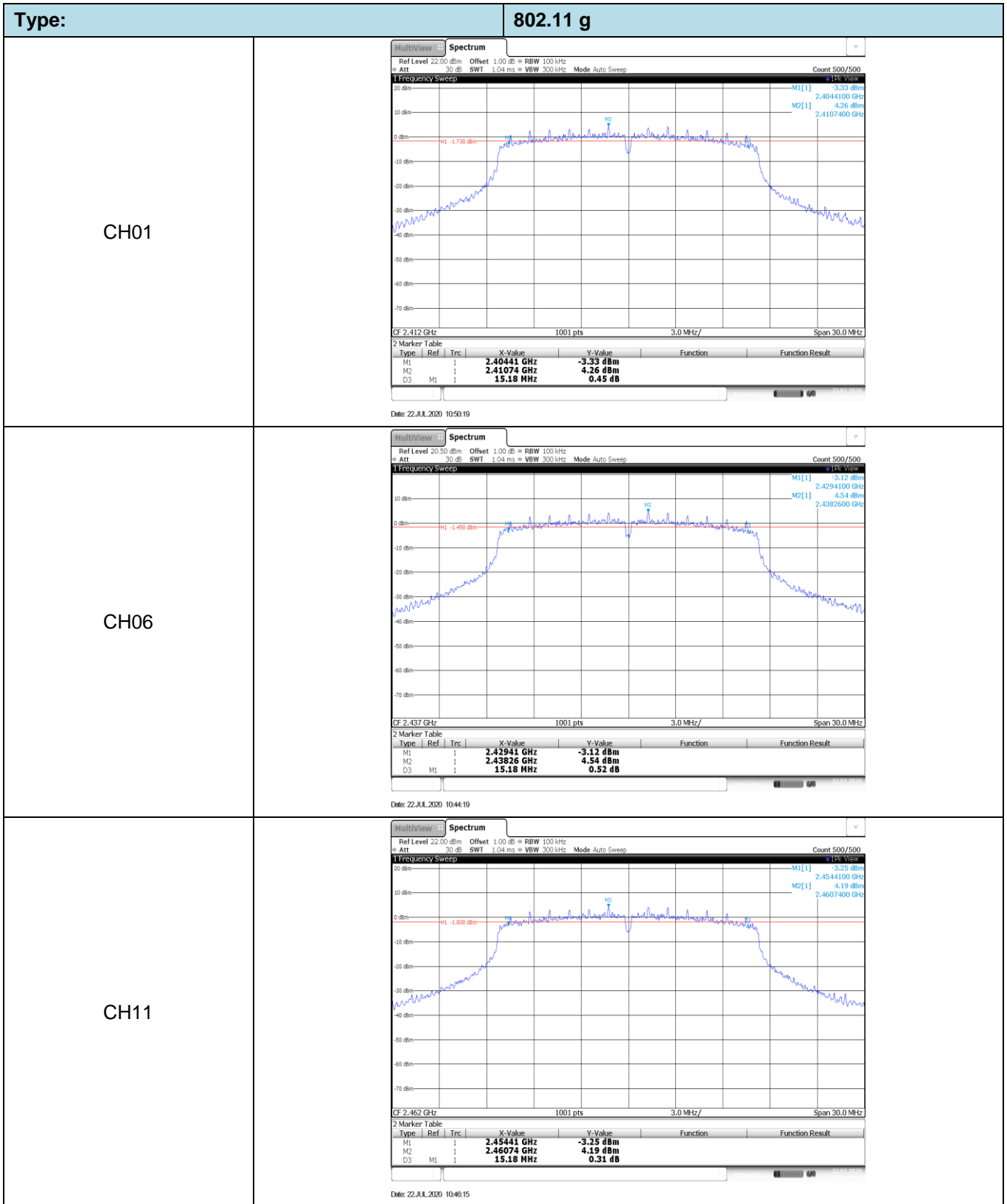
Type:		802.11n(HT20)
CH01	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] 0.87 dBm 2.4107510 GHz CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 22.JUL.2009 10:52:31</p>	
CH06	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] 0.95 dBm 2.4357510 GHz CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 22.JUL.2009 10:56:11</p>	
CH11	 <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 Count 100/100 MI[1] 2.49 dBm 2.4582790 GHz CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 22.JUL.2009 10:57:03</p>	

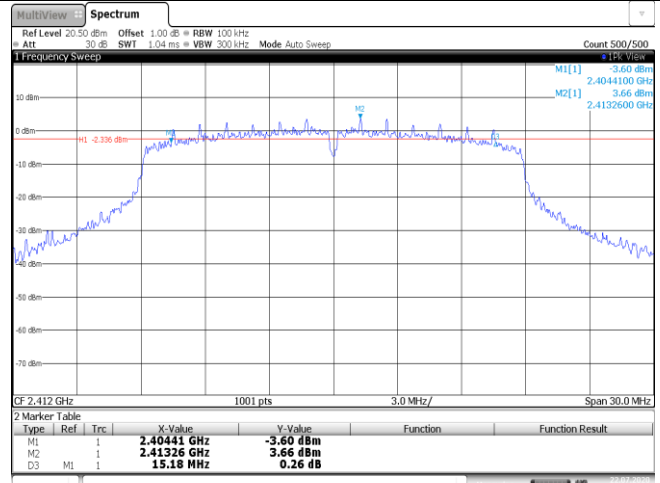
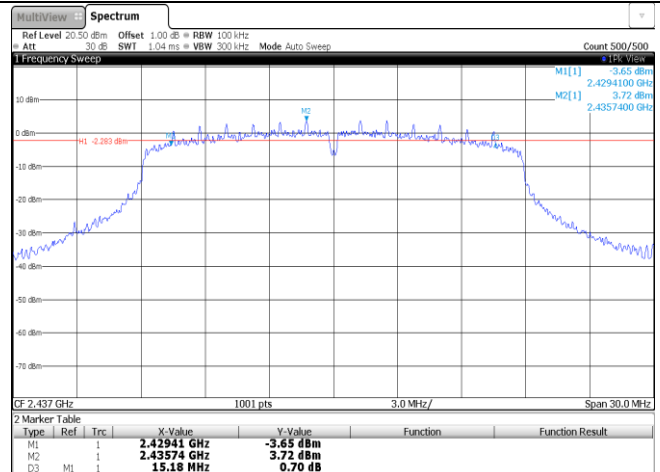
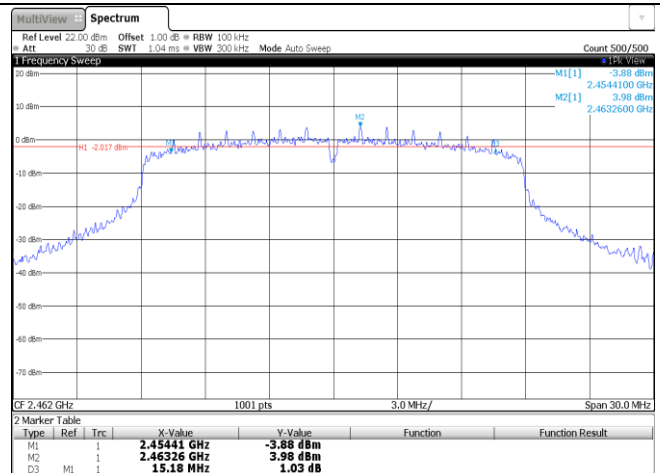
**Appendix C: 6dB bandwidth**

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	8.61	≥0.5	Pass
	06	8.61		
	11	9.09		
802.11g	01	15.18	≥0.5	Pass
	06	15.18		
	11	15.18		
802.11n(HT20)	01	15.18	≥0.5	Pass
	06	15.18		
	11	15.18		



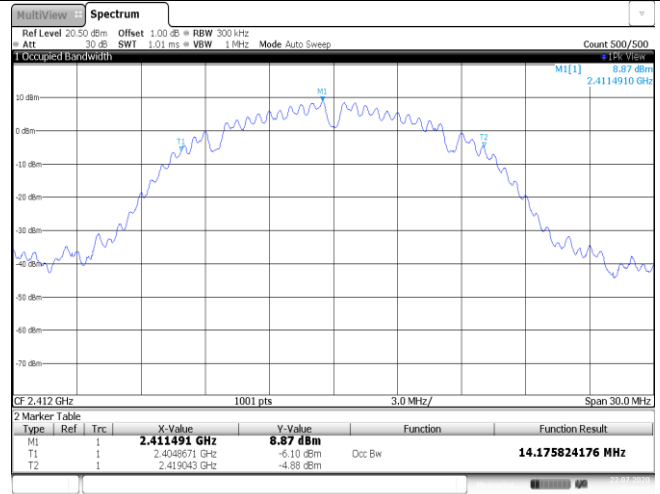
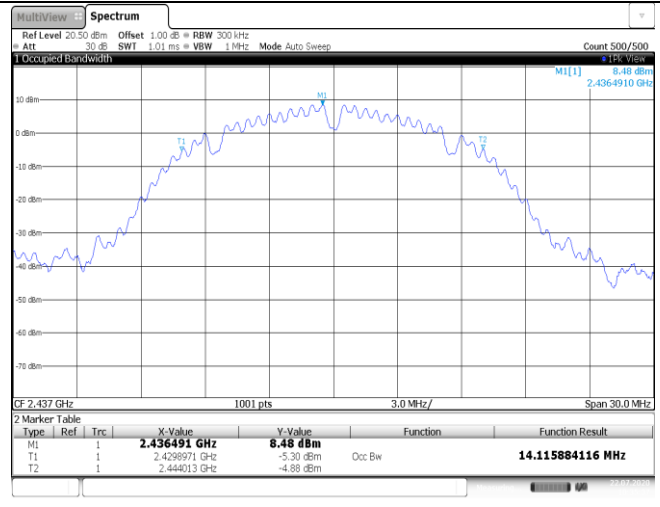
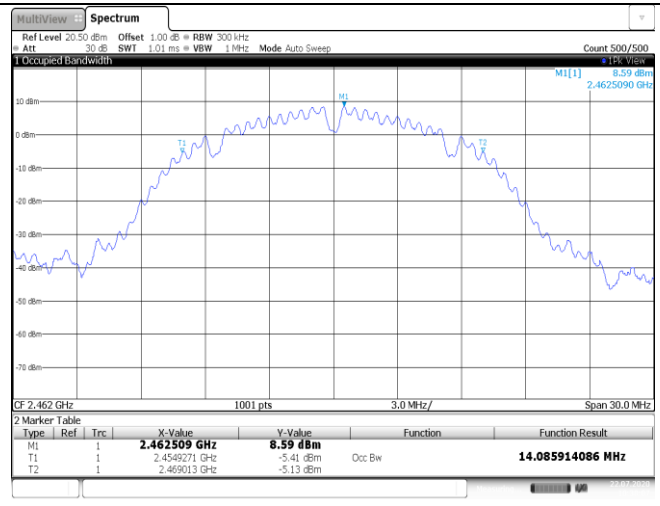


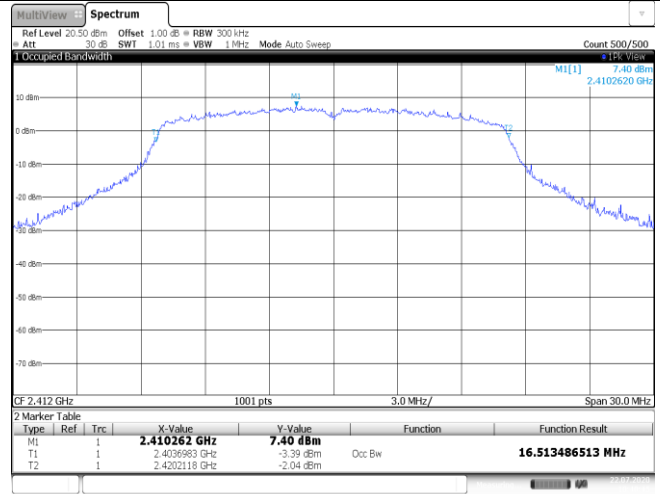
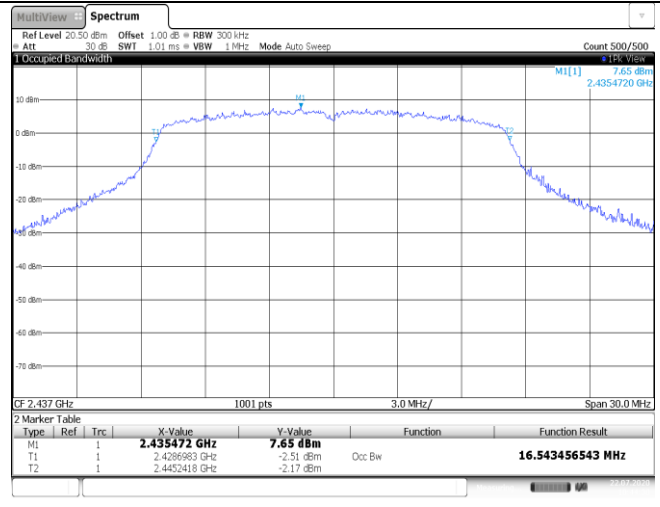
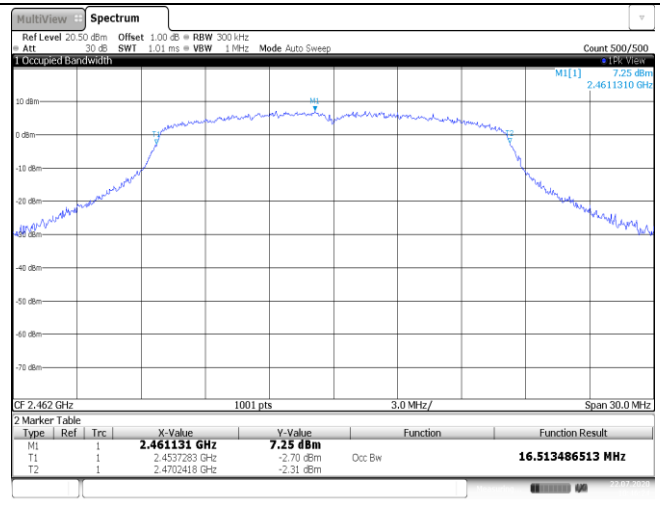


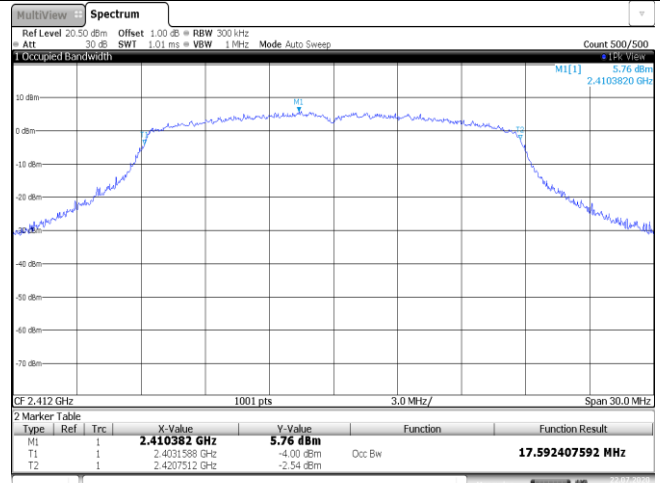
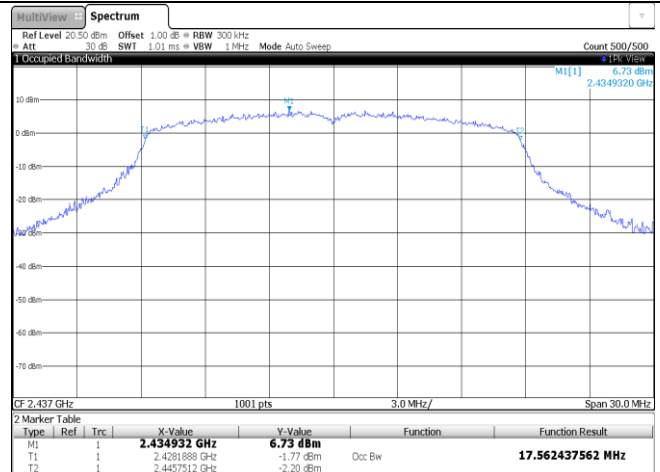
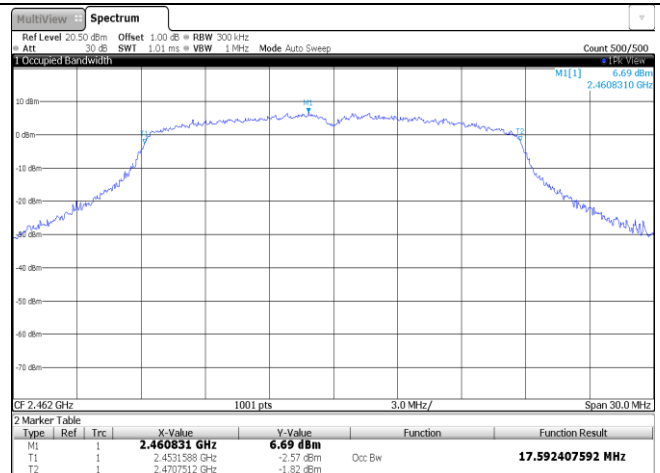
Type:	802.11n(HT20)																												
CH01	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep</p> <p>20 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>MI(1) 3.60 dBm 2.404100 GHz M2(1) 3.66 dBm 2.413260 GHz</p> <p>CF 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>2.40441 GHz</td> <td>-3.60 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.41326 GHz</td> <td>-3.66 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.18 MHz</td> <td>0.26 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2009 10:51:41</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40441 GHz	-3.60 dBm			M2	1		2.41326 GHz	-3.66 dBm			D3	M1	1	15.18 MHz	0.26 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.40441 GHz	-3.60 dBm																									
M2	1		2.41326 GHz	-3.66 dBm																									
D3	M1	1	15.18 MHz	0.26 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>20 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>MI(1) 3.65 dBm 2.4294100 GHz M2(1) 3.72 dBm 2.4357400 GHz</p> <p>CF 2.427 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>2.42941 GHz</td> <td>-3.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.43574 GHz</td> <td>-3.72 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.18 MHz</td> <td>0.70 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2009 10:54:13</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.42941 GHz	-3.65 dBm			M2	1		2.43574 GHz	-3.72 dBm			D3	M1	1	15.18 MHz	0.70 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.42941 GHz	-3.65 dBm																									
M2	1		2.43574 GHz	-3.72 dBm																									
D3	M1	1	15.18 MHz	0.70 dB																									
CH11	 <p>Ref Level 22.00 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>20 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>MI(1) 3.88 dBm 2.454100 GHz M2(1) 3.98 dBm 2.4632600 GHz</p> <p>CF 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>2.45441 GHz</td> <td>-3.88 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.46326 GHz</td> <td>-3.98 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.18 MHz</td> <td>1.03 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2009 10:56:19</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.45441 GHz	-3.88 dBm			M2	1		2.46326 GHz	-3.98 dBm			D3	M1	1	15.18 MHz	1.03 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.45441 GHz	-3.88 dBm																									
M2	1		2.46326 GHz	-3.98 dBm																									
D3	M1	1	15.18 MHz	1.03 dB																									

**Appendix D: 99% Occupied Bandwidth**

Type	Channel	99% Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	14.18	-	Pass
	06	14.12		
	11	14.09		
802.11g	01	16.51	-	Pass
	06	16.54		
	11	16.51		
802.11n(HT20)	01	17.59	-	Pass
	06	17.56		
	11	17.59		

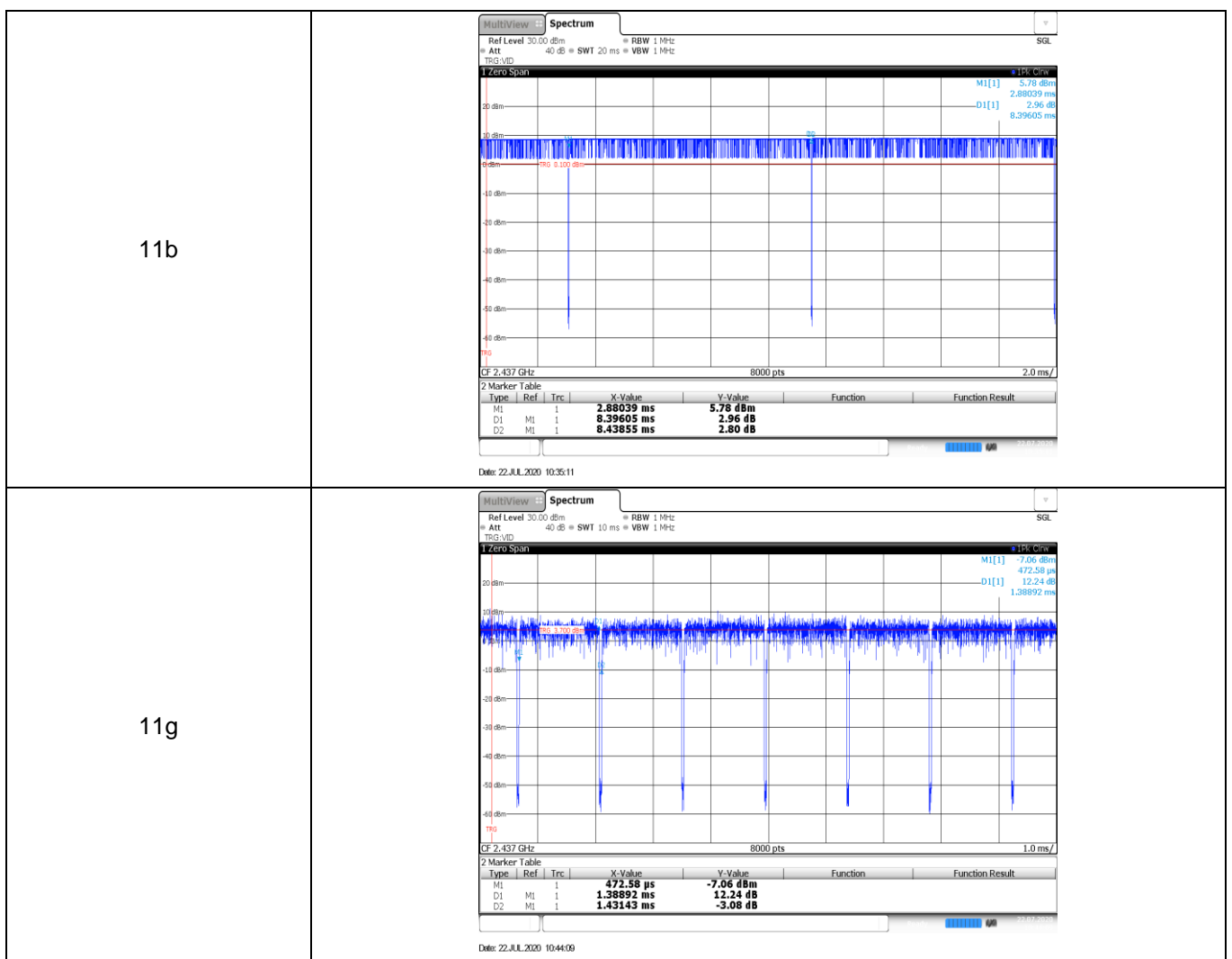
Type:	802.11 b																												
CH01	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth M1[1] 8.87 dBm 2.411491 GHz</p> <p>GF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <tr> <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>2.411491 GHz</td> <td>8.87 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4048671 GHz</td> <td>-6.10 dBm</td> <td>Occ Bw</td> <td>14.175824176 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.419943 GHz</td> <td>-4.88 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2009 10:33:24</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.411491 GHz	8.87 dBm			T1	1		2.4048671 GHz	-6.10 dBm	Occ Bw	14.175824176 MHz	T2	1		2.419943 GHz	-4.88 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.411491 GHz	8.87 dBm																									
T1	1		2.4048671 GHz	-6.10 dBm	Occ Bw	14.175824176 MHz																							
T2	1		2.419943 GHz	-4.88 dBm																									
CH06	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth M1[1] 8.48 dBm 2.436491 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>2.436491 GHz</td> <td>8.48 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4299971 GHz</td> <td>-5.30 dBm</td> <td>Occ Bw</td> <td>14.115884116 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.444013 GHz</td> <td>-4.88 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2009 10:35:37</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.436491 GHz	8.48 dBm			T1	1		2.4299971 GHz	-5.30 dBm	Occ Bw	14.115884116 MHz	T2	1		2.444013 GHz	-4.88 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.436491 GHz	8.48 dBm																									
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T2	1		2.444013 GHz	-4.88 dBm																									
CH11	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth M1[1] 8.59 dBm 2.462509 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>2.462509 GHz</td> <td>8.59 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4549271 GHz</td> <td>-5.41 dBm</td> <td>Occ Bw</td> <td>14.085914086 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.469013 GHz</td> <td>-5.13 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2009 10:38:07</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.462509 GHz	8.59 dBm			T1	1		2.4549271 GHz	-5.41 dBm	Occ Bw	14.085914086 MHz	T2	1		2.469013 GHz	-5.13 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.462509 GHz	8.59 dBm																									
T1	1		2.4549271 GHz	-5.41 dBm	Occ Bw	14.085914086 MHz																							
T2	1		2.469013 GHz	-5.13 dBm																									

Type:	802.11 g																												
CH01	 <p><b>2 Marker Table</b></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>2.410262 GHz</td> <td>7.40 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4036983 GHz</td> <td>-3.29 dBm</td> <td>Occ Bw</td> <td>16.513486513 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4202118 GHz</td> <td>-2.04 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2020 10:40:45</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.410262 GHz	7.40 dBm			T1	1		2.4036983 GHz	-3.29 dBm	Occ Bw	16.513486513 MHz	T2	1		2.4202118 GHz	-2.04 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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T1	1		2.4036983 GHz	-3.29 dBm	Occ Bw	16.513486513 MHz																							
T2	1		2.4202118 GHz	-2.04 dBm																									
CH06	 <p><b>2 Marker Table</b></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>2.435472 GHz</td> <td>7.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4286983 GHz</td> <td>-2.51 dBm</td> <td>Occ Bw</td> <td>16.543456543 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4452418 GHz</td> <td>-2.17 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2020 10:44:30</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.435472 GHz	7.65 dBm			T1	1		2.4286983 GHz	-2.51 dBm	Occ Bw	16.543456543 MHz	T2	1		2.4452418 GHz	-2.17 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.435472 GHz	7.65 dBm																									
T1	1		2.4286983 GHz	-2.51 dBm	Occ Bw	16.543456543 MHz																							
T2	1		2.4452418 GHz	-2.17 dBm																									
CH11	 <p><b>2 Marker Table</b></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>2.461131 GHz</td> <td>7.25 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4537283 GHz</td> <td>-2.70 dBm</td> <td>Occ Bw</td> <td>16.513486513 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4702418 GHz</td> <td>-2.31 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2020 10:46:23</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.461131 GHz	7.25 dBm			T1	1		2.4537283 GHz	-2.70 dBm	Occ Bw	16.513486513 MHz	T2	1		2.4702418 GHz	-2.31 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.461131 GHz	7.25 dBm																									
T1	1		2.4537283 GHz	-2.70 dBm	Occ Bw	16.513486513 MHz																							
T2	1		2.4702418 GHz	-2.31 dBm																									

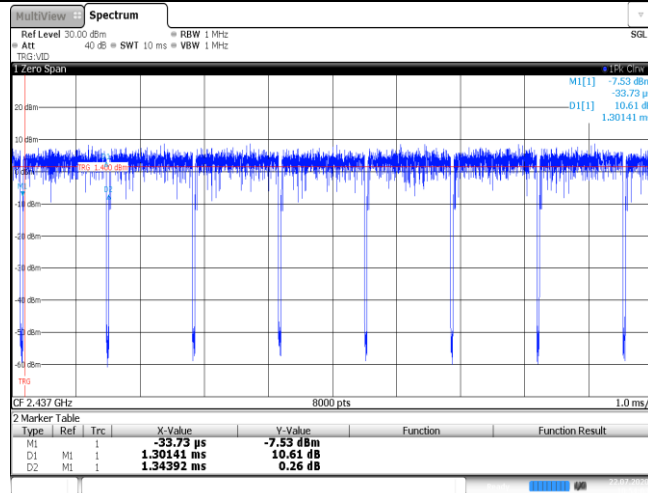
Type:	802.11n(HT20)																												
CH01	 <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth MI[1] 5.76 dBm 2.4103820 GHz</p> <p>GF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <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>2.410382 GHz</td> <td>5.76 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4031988 GHz</td> <td>-4.00 dBm</td> <td>Occ Bw</td> <td>17.592407592 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4207912 GHz</td> <td>-2.54 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2009 10:51:49</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.410382 GHz	5.76 dBm			T1	1		2.4031988 GHz	-4.00 dBm	Occ Bw	17.592407592 MHz	T2	1		2.4207912 GHz	-2.54 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.410382 GHz	5.76 dBm																									
T1	1		2.4031988 GHz	-4.00 dBm	Occ Bw	17.592407592 MHz																							
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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] 6.73 dBm 2.4349320 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>2.434932 GHz</td> <td>6.73 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4281888 GHz</td> <td>-1.77 dBm</td> <td>Occ Bw</td> <td>17.562437562 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4457912 GHz</td> <td>-2.20 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2009 10:54:21</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.434932 GHz	6.73 dBm			T1	1		2.4281888 GHz	-1.77 dBm	Occ Bw	17.562437562 MHz	T2	1		2.4457912 GHz	-2.20 dBm		
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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] 6.69 dBm 2.4608310 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>2.460831 GHz</td> <td>6.69 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4531988 GHz</td> <td>-2.57 dBm</td> <td>Occ Bw</td> <td>17.592407592 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4707912 GHz</td> <td>-1.82 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2009 10:56:27</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.460831 GHz	6.69 dBm			T1	1		2.4531988 GHz	-2.57 dBm	Occ Bw	17.592407592 MHz	T2	1		2.4707912 GHz	-1.82 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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T1	1		2.4531988 GHz	-2.57 dBm	Occ Bw	17.592407592 MHz																							
T2	1		2.4707912 GHz	-1.82 dBm																									

### Appendix E: Duty Cycle

Modulation Type	Test Frequency (MHz)	T <sub>on time</sub> for single burst (ms)	T <sub>period</sub> (ms)	Duty cycle	1/T <sub>on time</sub> (kHz)
11b	2437	8.40	8.44	99.5%	0.1
11g	2437	1.39	1.43	97.2%	0.7
11n20	2437	1.30	1.34	97.0%	0.8



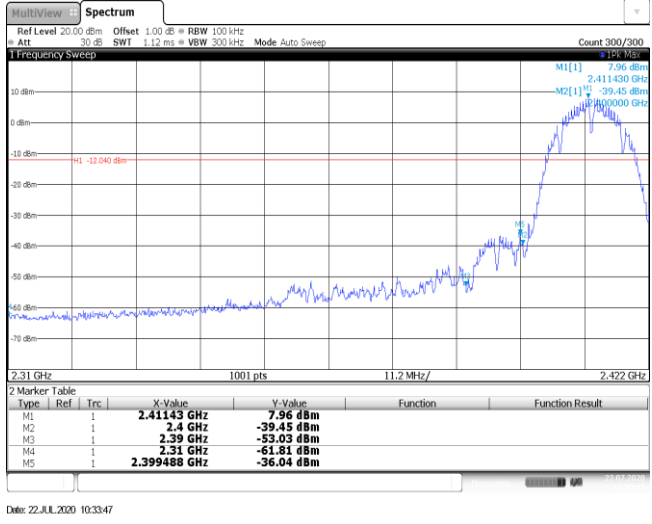
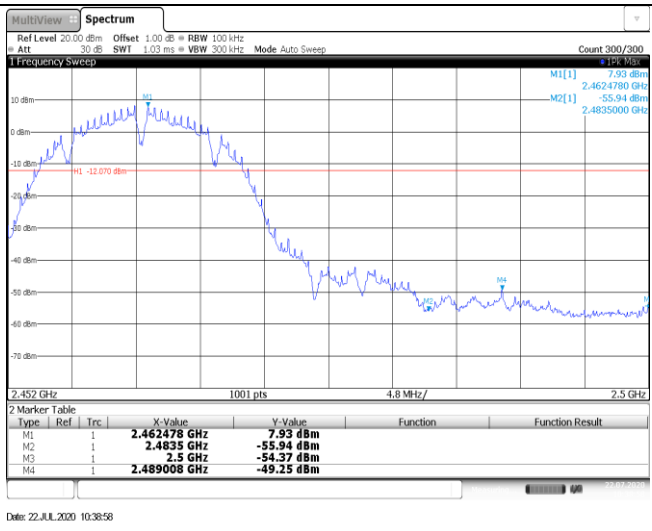
11n20

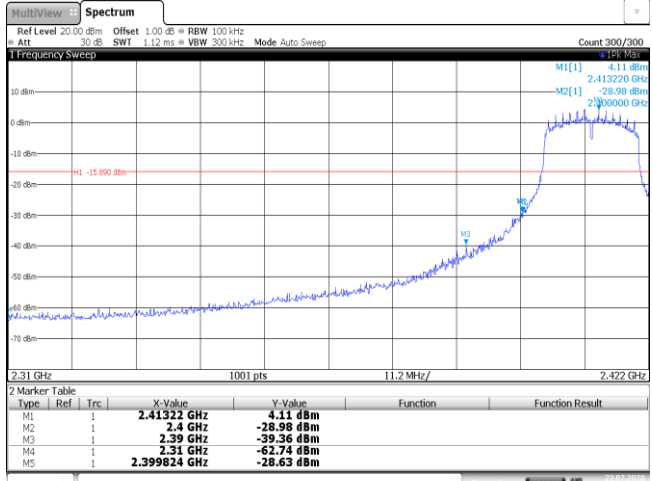
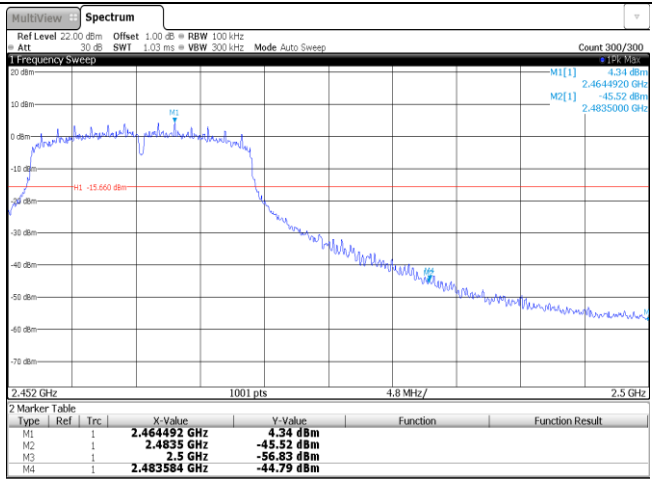


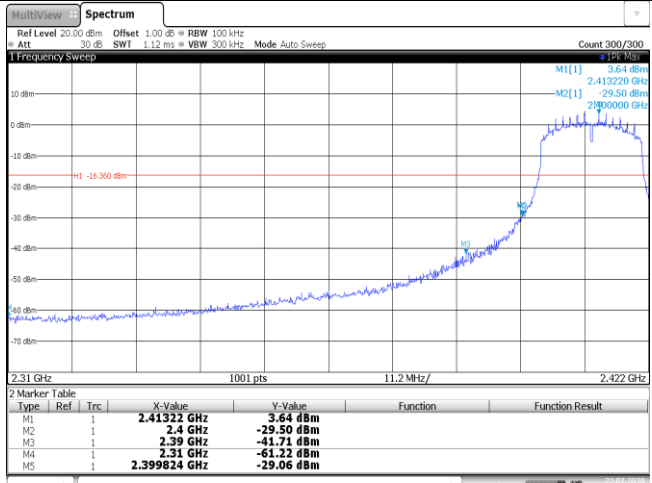
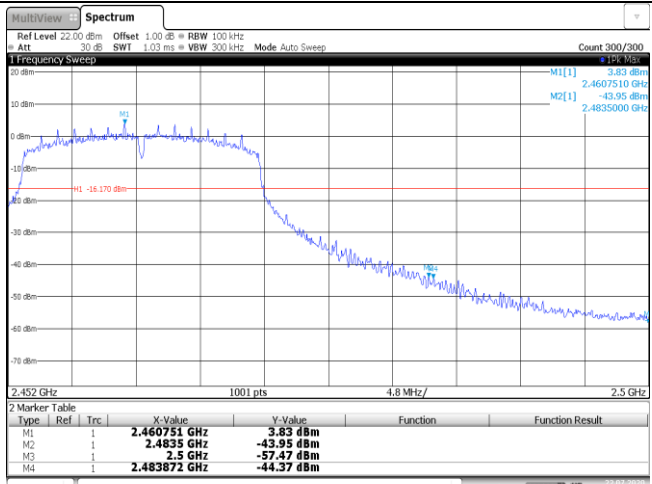
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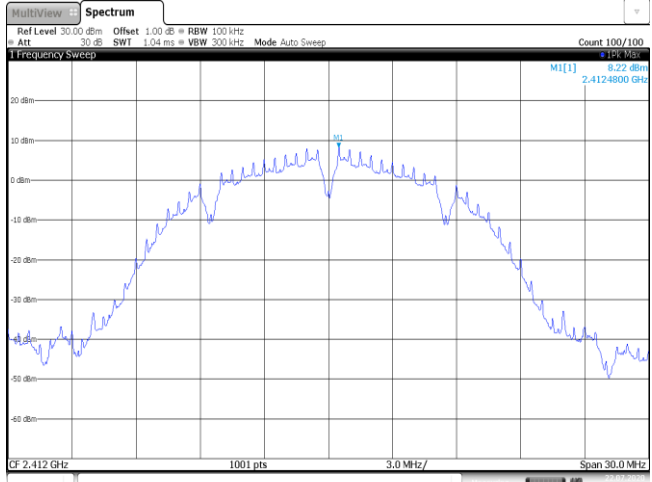
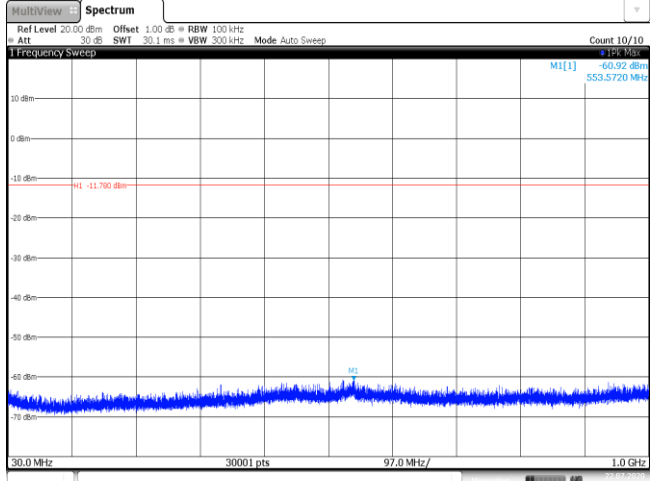
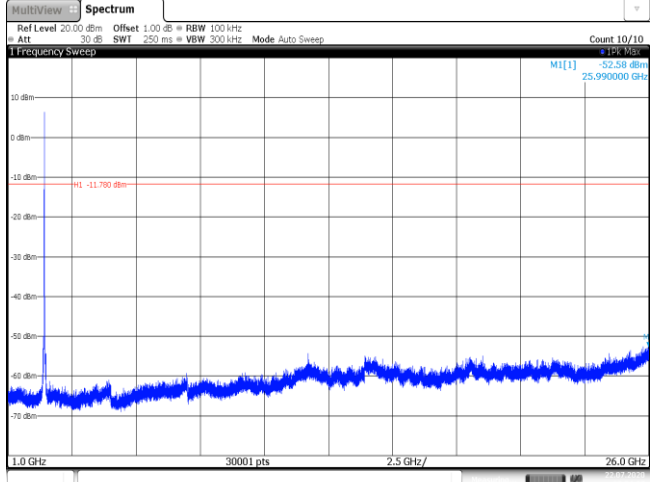


### Appendix F: Band edge and Spurious Emissions (conducted)

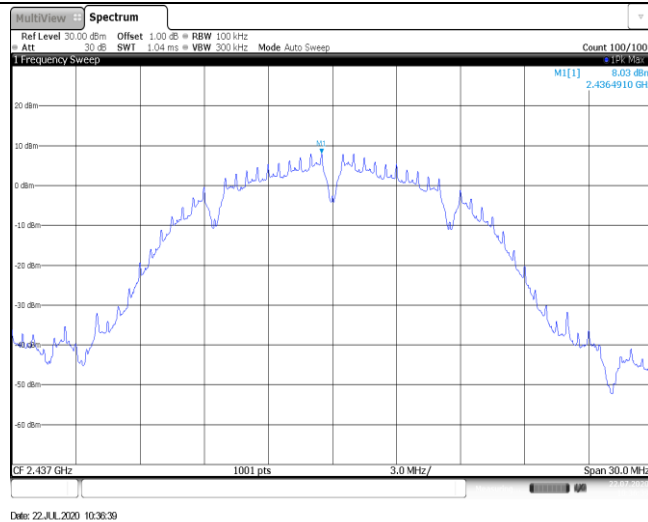
Test Item:	Bandedge	Type:	802.11 b																																										
CH01	 <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.41143 GHz</td> <td>7.96 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-39.45 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-53.03 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>-36.04 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2020 10:33:47</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41143 GHz	7.96 dBm			M2	1		2.4 GHz	-39.45 dBm			M3	1		2.39 GHz	-53.03 dBm			M4	1		2.31 GHz	-61.81 dBm			M5	1		2.399488 GHz	-36.04 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>2.462478 GHz</td> <td>7.93 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.48335 GHz</td> <td>-55.94 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-54.37 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.489008 GHz</td> <td>-49.25 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2020 10:38:58</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.462478 GHz	7.93 dBm			M2	1		2.48335 GHz	-55.94 dBm			M3	1		2.5 GHz	-54.37 dBm			M4	1		2.489008 GHz	-49.25 dBm									
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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>2.31 GHz 1001 pts 11.2 MHz/ 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>2.41922 GHz</td> <td>4.11 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-28.98 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-39.36 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-62.74 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399824 GHz</td> <td>-28.63 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2008 10:42:57</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41922 GHz	4.11 dBm			M2	1		2.4 GHz	-28.98 dBm			M3	1		2.39 GHz	-39.36 dBm			M4	1		2.31 GHz	-62.74 dBm			M5	1		2.399824 GHz	-28.63 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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CH11	 <p>Ref Level 22.00 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>2.452 GHz 1001 pts 4.8 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>2.464492 GHz</td> <td>4.34 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-45.52 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-56.83 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483584 GHz</td> <td>-44.79 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2008 10:50:44</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.464492 GHz	4.34 dBm			M2	1		2.4835 GHz	-45.52 dBm			M3	1		2.5 GHz	-56.83 dBm			M4	1		2.483584 GHz	-44.79 dBm									
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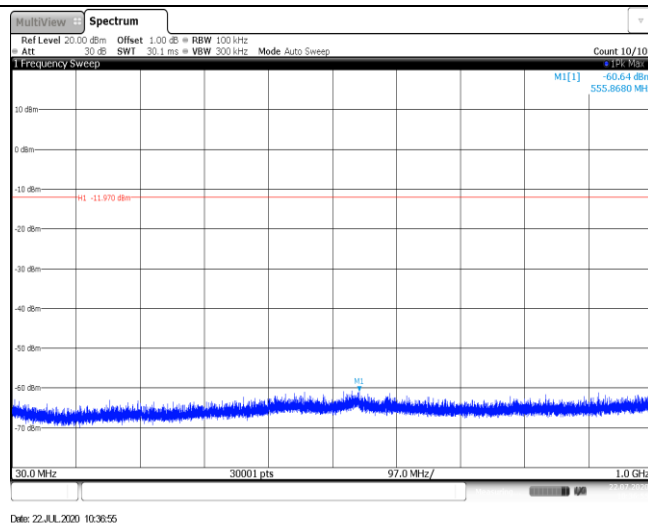
Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
CH01	 <p><b>Spectrum</b>            Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz            Att 30 dB SWI 1.12 ms VBW 300 kHz Mode Auto Sweep            Count 300/300            1 Frequency Sweep            2.31 GHz 1001 pts 11.2 MHz/ 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>2.41322 GHz</td> <td>3.64 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-29.50 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-41.71 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-61.22 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399824 GHz</td> <td>-29.06 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 22.JUL.2020 11:05:59</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41322 GHz	3.64 dBm			M2	1		2.4 GHz	-29.50 dBm			M3	1		2.39 GHz	-41.71 dBm			M4	1		2.31 GHz	-61.22 dBm			M5	1		2.399824 GHz	-29.06 dBm		
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M1	1		2.460751 GHz	3.83 dBm																																									
M2	1		2.4835 GHz	-43.95 dBm																																									
M3	1		2.5 GHz	-57.47 dBm																																									
M4	1		2.483872 GHz	-44.37 dBm																																									

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

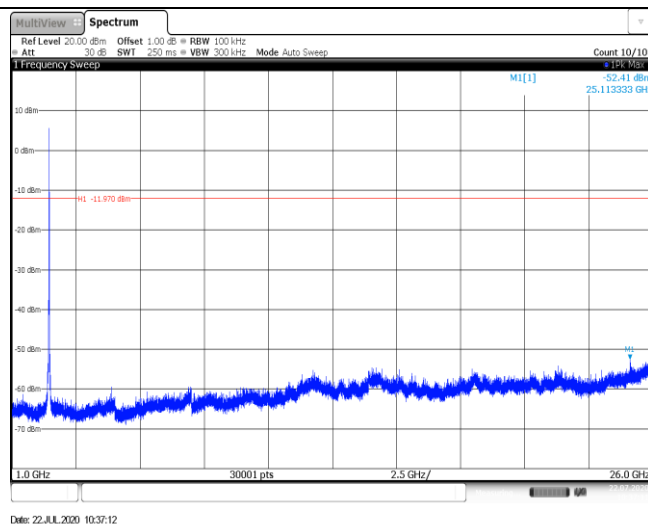
CH06  
Reference level



CH06  
30MHz~1000MHz



CH06  
1GHz~26GHz

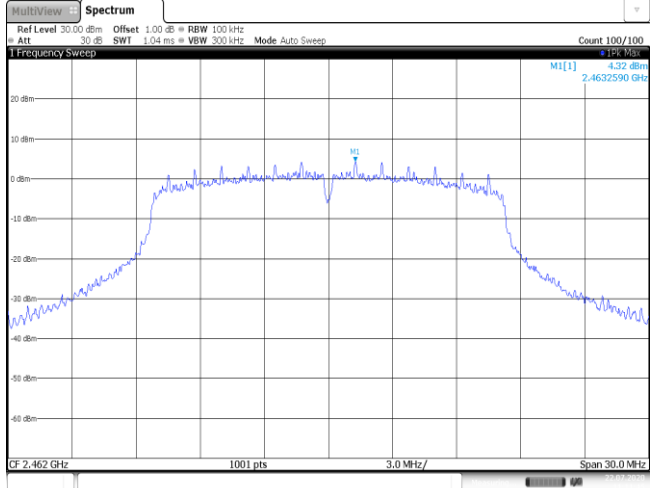
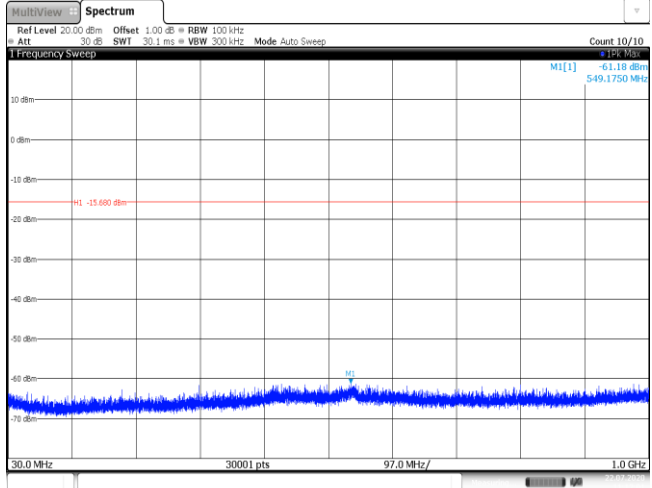
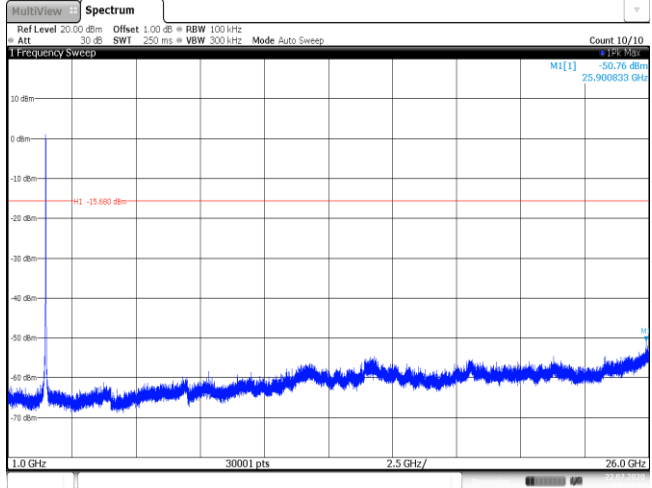


<p>CH11 Reference level</p>	<p>MultiView Spectrum          Ref Level 30.00 dBm Offset 1.00 dB BW 100 kHz          Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep          Count 100/100          1 Frequency Sweep          M1[1] 6.09 dBm          2.4614910 GHz          CF 2.462 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz          Date: 22.JUL.2020 10:38:05</p>
<p>CH11 30MHz~1000MHz</p>	<p>MultiView Spectrum          Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz          Att 30 dB SWF 30.1 ms VBW 300 kHz Mode Auto Sweep          Count 10/10          1 Frequency Sweep          M1[1] -60.59 dBm          546.2980 MHz          M1 -11.910 dBm          30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz          Date: 22.JUL.2020 10:38:21</p>
<p>CH11 1GHz~26GHz</p>	<p>MultiView Spectrum          Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz          Att 30 dB SWF 250 ms VBW 300 kHz Mode Auto Sweep          Count 10/10          1 Frequency Sweep          M1[1] -52.56 dBm          25.705000 GHz          M1 -11.910 dBm          1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz          Date: 22.JUL.2020 10:38:37</p>

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

<p>CH06 Reference level</p>	<p>Date: 22.JUL.2020 10:45:15</p>
<p>CH06 30MHz~1000MHz</p>	<p>Date: 22.JUL.2020 10:45:31</p>
<p>CH06 1GHz~26GHz</p>	<p>Date: 22.JUL.2020 10:45:48</p>



<p>CH11 Reference level</p>	 <p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] 4.32 dBm 2.4632590 GHz CF 2.462 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 22.JUL.2020 11:11:45</p>
<p>CH11 30MHz~1000MHz</p>	 <p>MultiView 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 M1[1] -61.18 dBm 549.1750 MHz M1 -15.600 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 22.JUL.2020 11:12:01</p>
<p>CH11 1GHz~26GHz</p>	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -50.76 dBm 25.900833 GHz M1 -15.600 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 22.JUL.2020 11:12:17</p>

Test Item:	SE	Type:	802.11 n(HT20)
<p>CH01 Reference level</p>			
<p>CH01 30MHz~1000MHz</p>			
<p>CH01 1GHz~26GHz</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 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] -3.88 dBm 2.4382590 GHz CF 2.437 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 22.JUL.2020 10:56:17</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] -60.86 dBm 554.2510 MHz M1 -16.120 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 22.JUL.2020 10:56:33</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] -51.73 dBm 25.823333 GHz M1 -16.120 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 22.JUL.2020 10:56:50</p>

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

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