

APPENDIX REPORT

Project No.	SHT2207088501EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT22070885003	Model No.	Smart K
Start test date	2022-08-01	Finish date	2022-08-01
Temperature	26.6°C	Humidity	28%
Test Engineer	Xiaoxiao Li	Auditor	Xiaodong Zhu

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

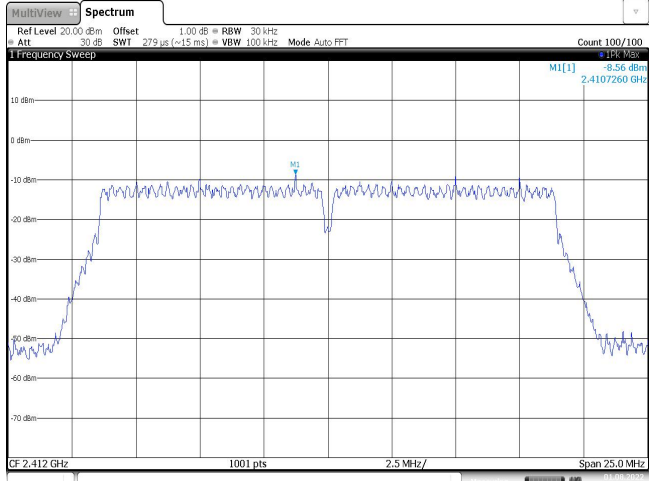
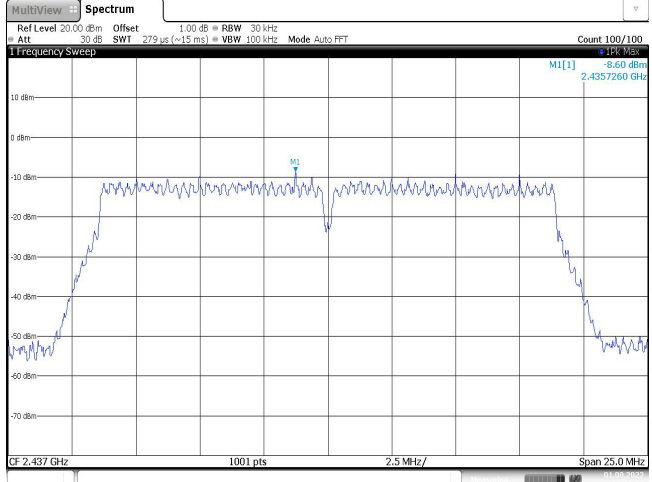
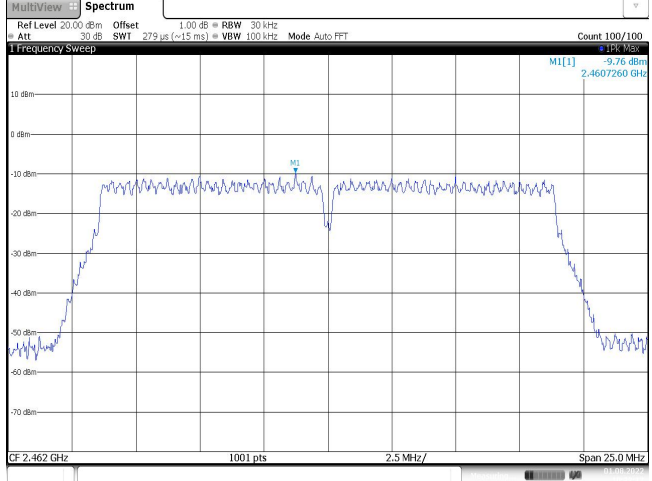
Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	14.97	12.52	≤ 30.00	Pass
	06	14.32	11.87		
	11	14.16	11.72		
802.11g	01	15.28	12.76	≤ 30.00	Pass
	06	14.66	11.95		
	11	14.87	12.32		
802.11n (HT20)	01	14.78	12.56	≤ 30.00	Pass
	06	14.66	11.83		
	11	14.49	11.65		

Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	3.62	≤8.00	Pass
	06	0.92		
	11	3.14		
802.11g	01	-8.59	≤8.00	Pass
	06	-9.41		
	11	-10.12		
802.11n(HT20)	01	-8.56	≤8.00	Pass
	06	-8.60		
	11	-9.76		

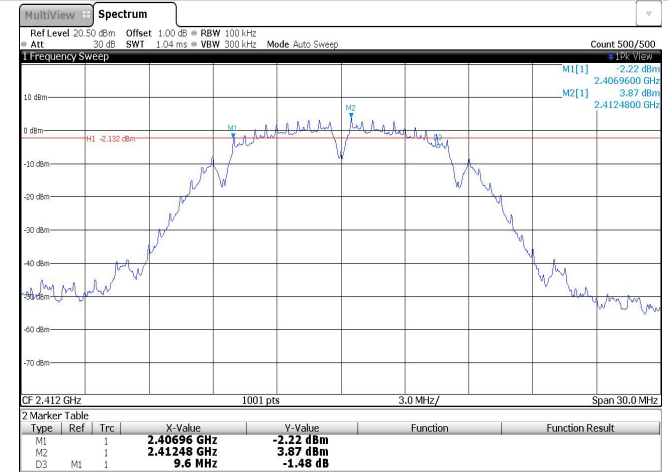
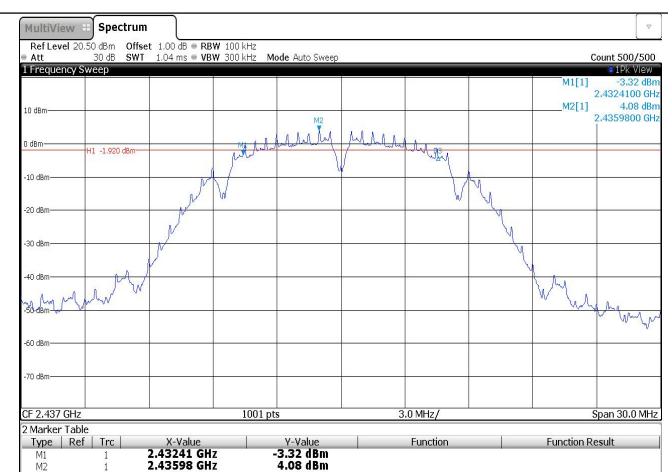
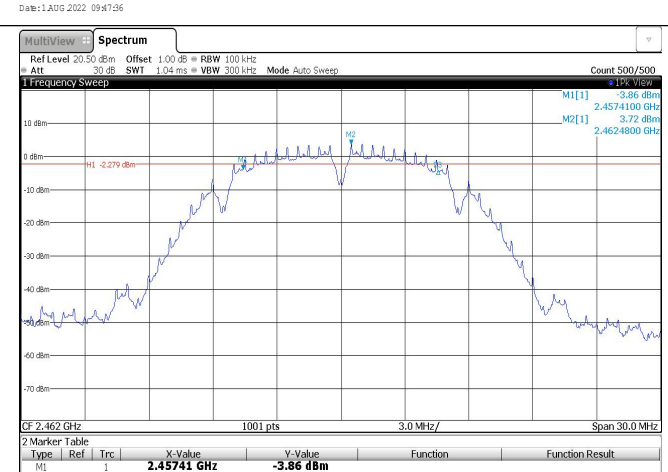
Type:	802.11 b
CH01	
CH06	
CH11	

Type:	802.11 g
CH01	<p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 279 us (~15 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] -8.59 dBm 2.4194930 GHz CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 1.AUG.2022 10:03:45</p>
CH06	<p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 279 us (~15 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] -9.41 dBm 2.4295070 GHz CF 2.427 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 1.AUG.2022 10:06:35</p>
CH11	<p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 279 us (~15 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] -10.12 dBm 2.4545070 GHz CF 2.452 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 1.AUG.2022 10:09:00</p>

Type:		802.11n(HT20)
CH01	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 279 us (~15 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -8.56 dBm 2.4107260 GHz 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 1.AUG.2022 10:17:28</p>	
CH06	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 279 us (~15 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -8.60 dBm 2.4357260 GHz 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 1.AUG.2022 10:19:34</p>	
CH11	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 279 us (~15 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -9.76 dBm 2.4607260 GHz 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 1.AUG.2022 10:22:17</p>	

Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	9.60	≥0.5	Pass
	06	9.15		
	11	9.15		
802.11g	01	16.41	≥0.5	Pass
	06	16.41		
	11	16.41		
802.11n(HT20)	01	17.67	≥0.5	Pass
	06	17.67		
	11	17.67		

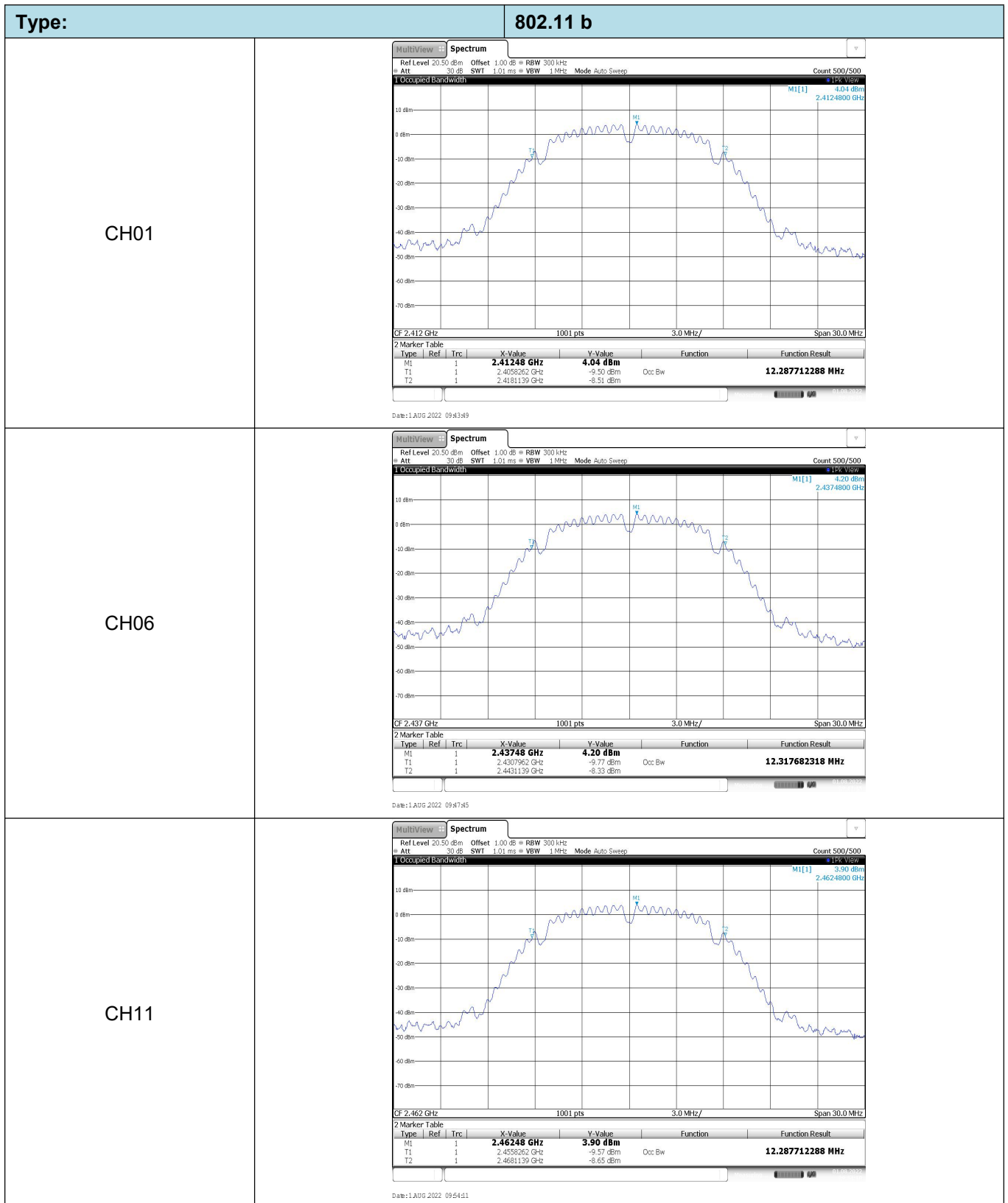
Type:	802.11 b																												
CH01	 <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.40696 GHz</td> <td>-2.22 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.41248 GHz</td> <td>3.87 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>9.6 MHz</td> <td>-1.48 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1.AUG 2022 09:43:41</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40696 GHz	-2.22 dBm			M2	1		2.41248 GHz	3.87 dBm			D3	M1	1	9.6 MHz	-1.48 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.40696 GHz	-2.22 dBm																									
M2	1		2.41248 GHz	3.87 dBm																									
D3	M1	1	9.6 MHz	-1.48 dB																									
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>2.43241 GHz</td> <td>-3.32 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.43598 GHz</td> <td>4.08 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>9.15 MHz</td> <td>-0.38 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1.AUG 2022 09:47:36</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.43241 GHz	-3.32 dBm			M2	1		2.43598 GHz	4.08 dBm			D3	M1	1	9.15 MHz	-0.38 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.43241 GHz	-3.32 dBm																									
M2	1		2.43598 GHz	4.08 dBm																									
D3	M1	1	9.15 MHz	-0.38 dB																									
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>2.45741 GHz</td> <td>-3.86 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.46248 GHz</td> <td>3.72 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>9.15 MHz</td> <td>-0.17 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1.AUG 2022 09:54:02</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.45741 GHz	-3.86 dBm			M2	1		2.46248 GHz	3.72 dBm			D3	M1	1	9.15 MHz	-0.17 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.45741 GHz	-3.86 dBm																									
M2	1		2.46248 GHz	3.72 dBm																									
D3	M1	1	9.15 MHz	-0.17 dB																									

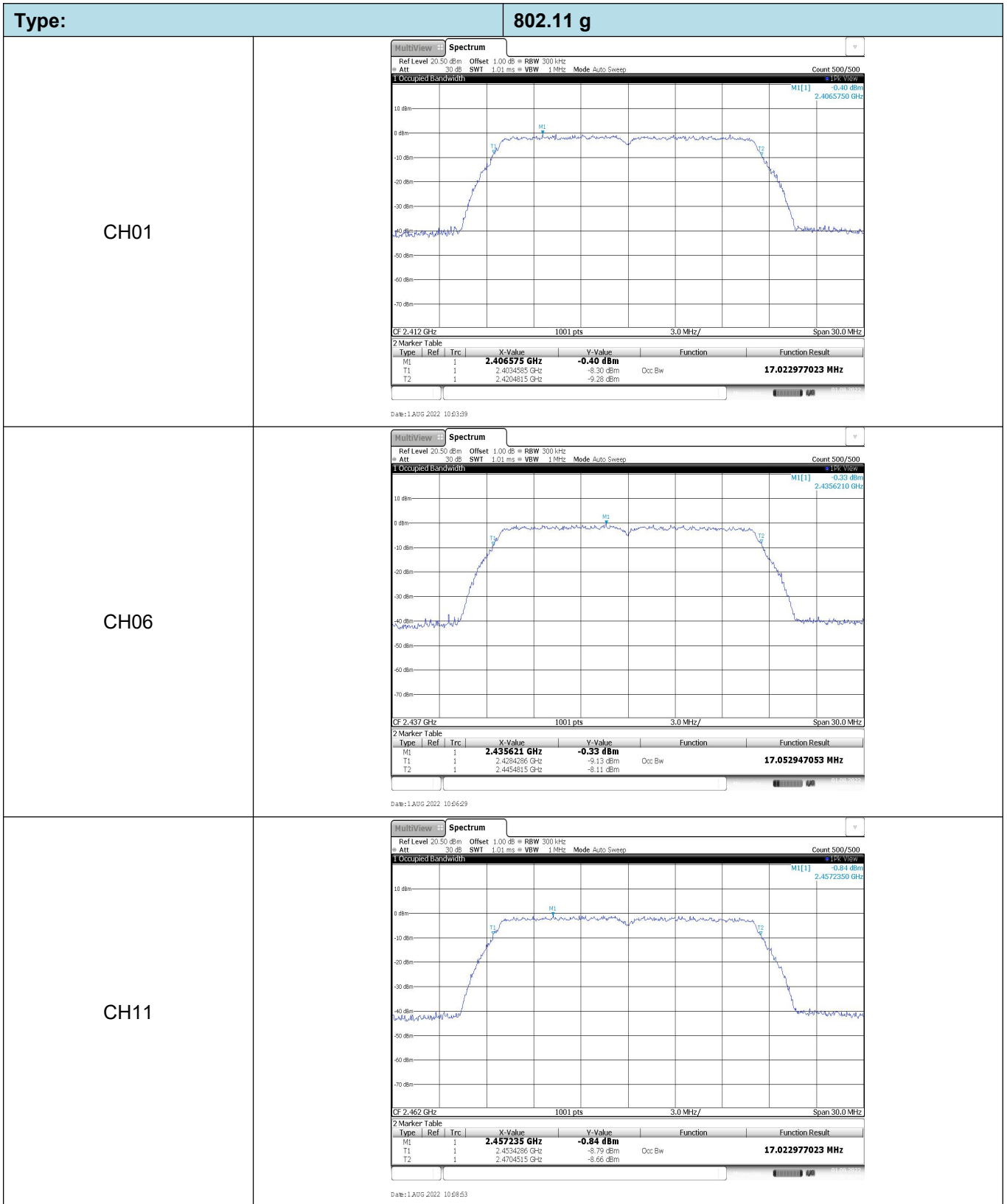
Type:	802.11 g																												
CH01	<p>MultiView Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>CF 2.412 GHz 1001 pts 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>2.40378 GHz</td> <td>-10.35 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.40699 GHz</td> <td>-3.84 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>16.41 MHz</td> <td>-0.01 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1.AUG 2022 10:43:30</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40378 GHz	-10.35 dBm			M2	1		2.40699 GHz	-3.84 dBm			D3	M1	1	16.41 MHz	-0.01 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.40378 GHz	-10.35 dBm																									
M2	1		2.40699 GHz	-3.84 dBm																									
D3	M1	1	16.41 MHz	-0.01 dB																									
CH06	<p>MultiView Spectrum</p> <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>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 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>2.42878 GHz</td> <td>-10.17 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.43199 GHz</td> <td>-3.62 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>16.41 MHz</td> <td>-0.04 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1.AUG 2022 10:46:20</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.42878 GHz	-10.17 dBm			M2	1		2.43199 GHz	-3.62 dBm			D3	M1	1	16.41 MHz	-0.04 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.42878 GHz	-10.17 dBm																									
M2	1		2.43199 GHz	-3.62 dBm																									
D3	M1	1	16.41 MHz	-0.04 dB																									
CH11	<p>MultiView Spectrum</p> <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>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 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>2.45378 GHz</td> <td>-10.07 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.46071 GHz</td> <td>-3.99 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>16.41 MHz</td> <td>-0.65 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1.AUG 2022 10:48:45</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.45378 GHz	-10.07 dBm			M2	1		2.46071 GHz	-3.99 dBm			D3	M1	1	16.41 MHz	-0.65 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.45378 GHz	-10.07 dBm																									
M2	1		2.46071 GHz	-3.99 dBm																									
D3	M1	1	16.41 MHz	-0.65 dB																									

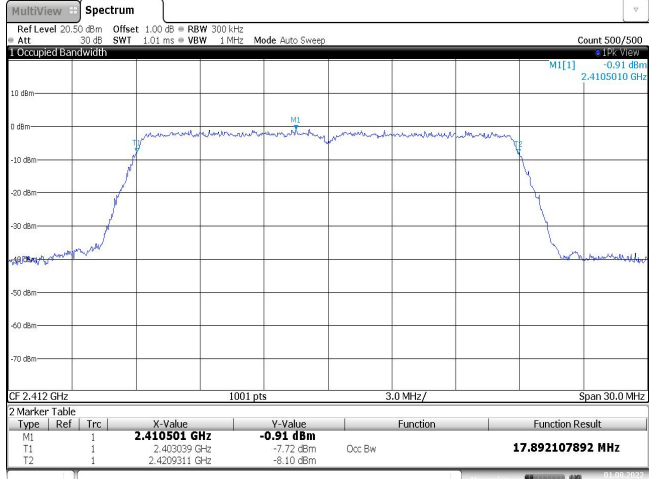
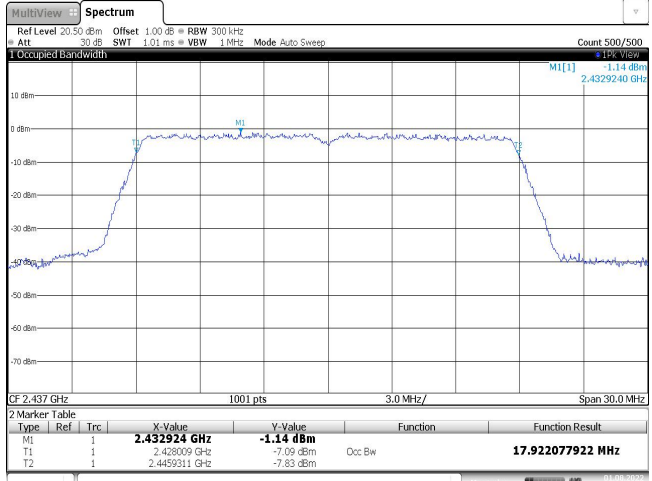
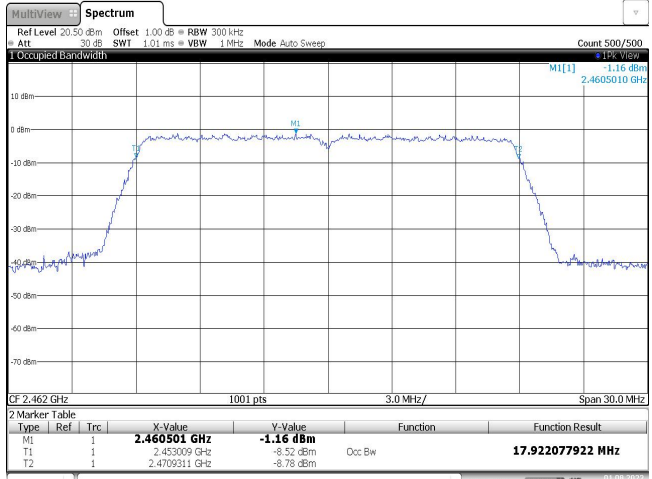
Type:	802.11n(HT20)																												
CH01	<p>MultiView Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1[1] -10.72 dBm 2.4031500 GHz M2[1] -3.86 dBm 2.4069600 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>2.40315 GHz</td> <td>-10.72 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.40696 GHz</td> <td>-3.86 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.67 MHz</td> <td>-0.67 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1.AUG 2022 10:47:13</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40315 GHz	-10.72 dBm			M2	1		2.40696 GHz	-3.86 dBm			D3	M1	1	17.67 MHz	-0.67 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.40315 GHz	-10.72 dBm																									
M2	1		2.40696 GHz	-3.86 dBm																									
D3	M1	1	17.67 MHz	-0.67 dB																									
CH06	<p>MultiView Spectrum</p> <p>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</p> <p>1 Frequency Sweep</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1[1] -10.42 dBm 2.4281500 GHz M2[1] -3.63 dBm 2.4319600 GHz</p> <p>CF 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>2.42815 GHz</td> <td>-10.42 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.43196 GHz</td> <td>-3.63 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.67 MHz</td> <td>-0.46 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1.AUG 2022 10:49:19</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.42815 GHz	-10.42 dBm			M2	1		2.43196 GHz	-3.63 dBm			D3	M1	1	17.67 MHz	-0.46 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.42815 GHz	-10.42 dBm																									
M2	1		2.43196 GHz	-3.63 dBm																									
D3	M1	1	17.67 MHz	-0.46 dB																									
CH11	<p>MultiView Spectrum</p> <p>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</p> <p>1 Frequency Sweep</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1[1] -10.87 dBm 2.4531500 GHz M2[1] -4.01 dBm 2.4569900 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>2.45315 GHz</td> <td>-10.87 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.45699 GHz</td> <td>-4.01 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.67 MHz</td> <td>-0.52 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1.AUG 2022 10:22:03</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.45315 GHz	-10.87 dBm			M2	1		2.45699 GHz	-4.01 dBm			D3	M1	1	17.67 MHz	-0.52 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.45315 GHz	-10.87 dBm																									
M2	1		2.45699 GHz	-4.01 dBm																									
D3	M1	1	17.67 MHz	-0.52 dB																									

Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	12.29	-	Pass
	06	12.32		
	11	12.29		
802.11g	01	17.02	-	Pass
	06	17.05		
	11	17.02		
802.11n(HT20)	01	17.89	-	Pass
	06	17.92		
	11	17.92		

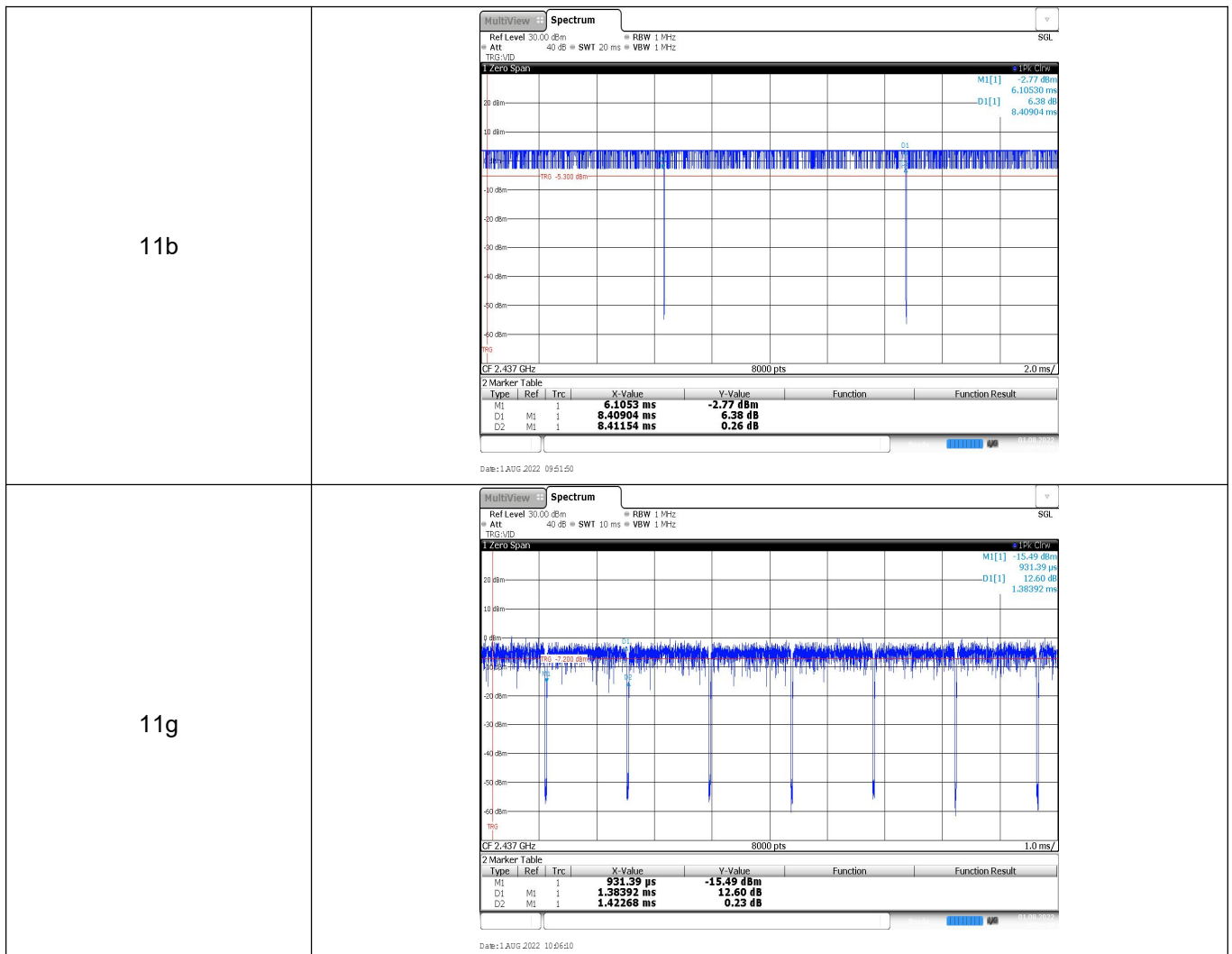




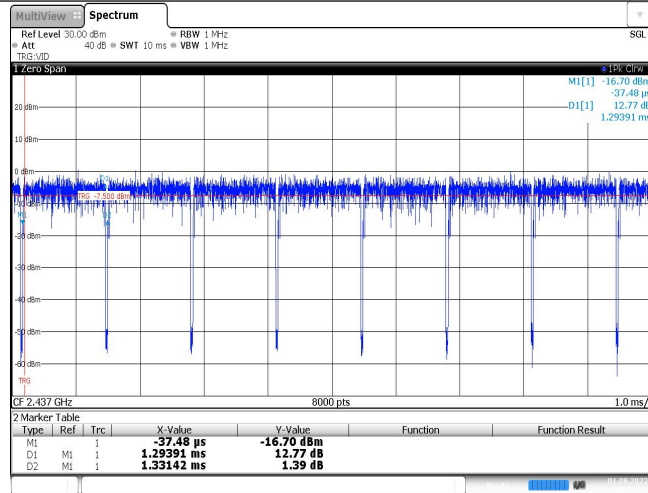
Type:	802.11n(HT20)																												
CH01	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 Occupied Bandwidth MI[1] -0.91 dBm 2.4105010 GHz</p> <p>CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <tr> <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>2.410501 GHz</td> <td>-0.91 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.403009 GHz</td> <td>-7.72 dBm</td> <td>Occ Bw</td> <td>17.892107892 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4209311 GHz</td> <td>-8.10 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1 AUG 2022 10:47:21</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.410501 GHz	-0.91 dBm			T1	1		2.403009 GHz	-7.72 dBm	Occ Bw	17.892107892 MHz	T2	1		2.4209311 GHz	-8.10 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.410501 GHz	-0.91 dBm																									
T1	1		2.403009 GHz	-7.72 dBm	Occ Bw	17.892107892 MHz																							
T2	1		2.4209311 GHz	-8.10 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 Occupied Bandwidth MI[1] -1.14 dBm 2.4329240 GHz</p> <p>CF 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>2.432924 GHz</td> <td>-1.14 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.428009 GHz</td> <td>-7.09 dBm</td> <td>Occ Bw</td> <td>17.922077922 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4459311 GHz</td> <td>-7.83 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1 AUG 2022 10:49:27</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.432924 GHz	-1.14 dBm			T1	1		2.428009 GHz	-7.09 dBm	Occ Bw	17.922077922 MHz	T2	1		2.4459311 GHz	-7.83 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.432924 GHz	-1.14 dBm																									
T1	1		2.428009 GHz	-7.09 dBm	Occ Bw	17.922077922 MHz																							
T2	1		2.4459311 GHz	-7.83 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 Occupied Bandwidth MI[1] -1.16 dBm 2.4605010 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>2.460501 GHz</td> <td>-1.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.453009 GHz</td> <td>-8.32 dBm</td> <td>Occ Bw</td> <td>17.922077922 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4709311 GHz</td> <td>-8.78 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1 AUG 2022 10:22:11</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.460501 GHz	-1.16 dBm			T1	1		2.453009 GHz	-8.32 dBm	Occ Bw	17.922077922 MHz	T2	1		2.4709311 GHz	-8.78 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.460501 GHz	-1.16 dBm																									
T1	1		2.453009 GHz	-8.32 dBm	Occ Bw	17.922077922 MHz																							
T2	1		2.4709311 GHz	-8.78 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	8.36	8.40	99.5%	0.1
11g	2437	1.38	1.42	97.2%	0.7
11n20	2437	1.29	1.33	97.0%	0.8


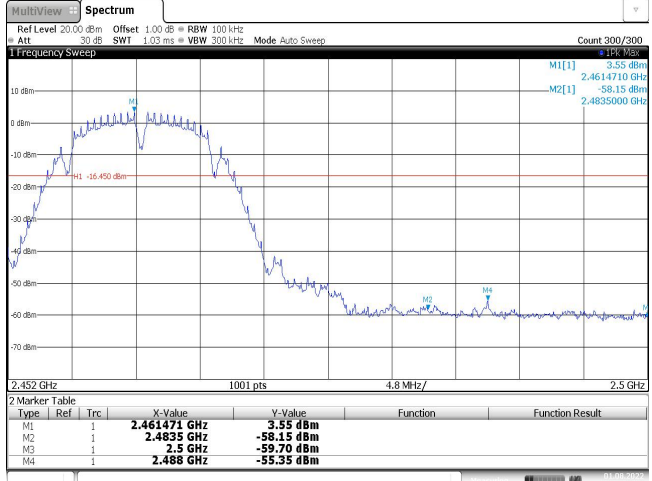


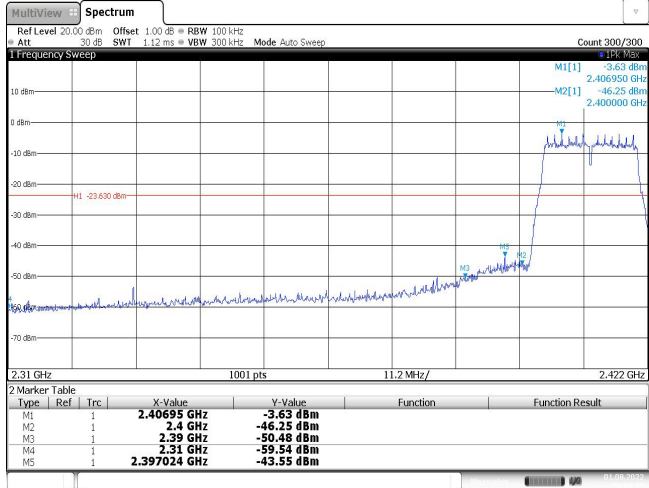
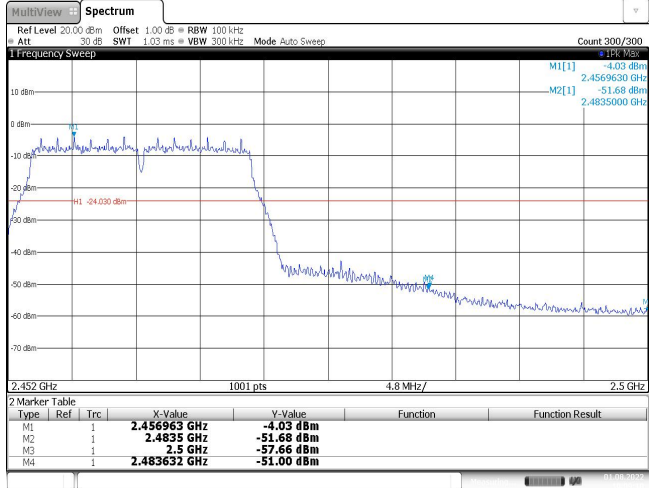
11n20

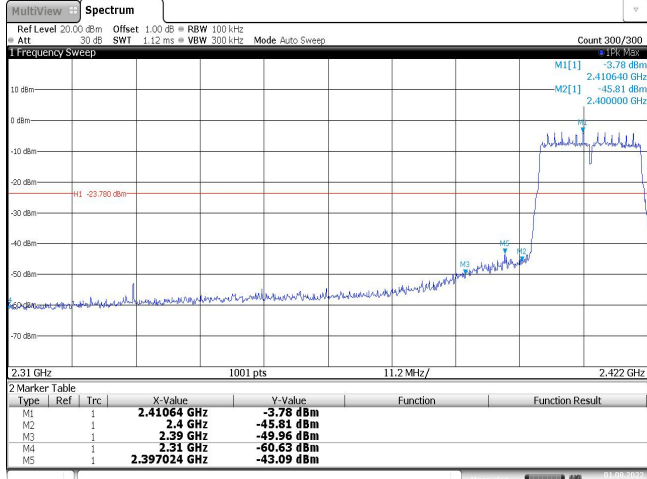
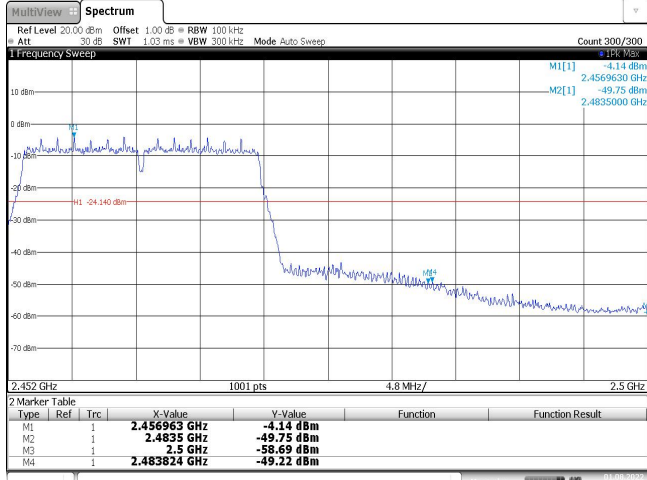


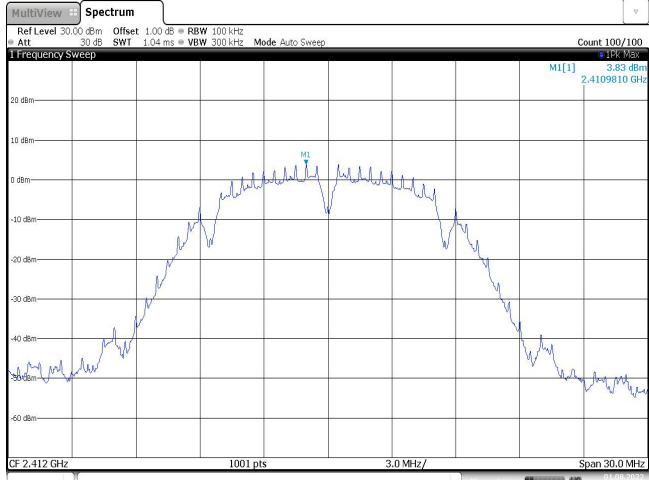
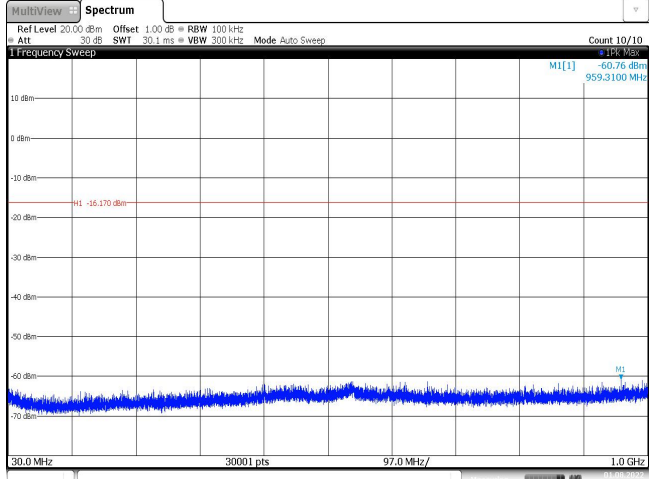
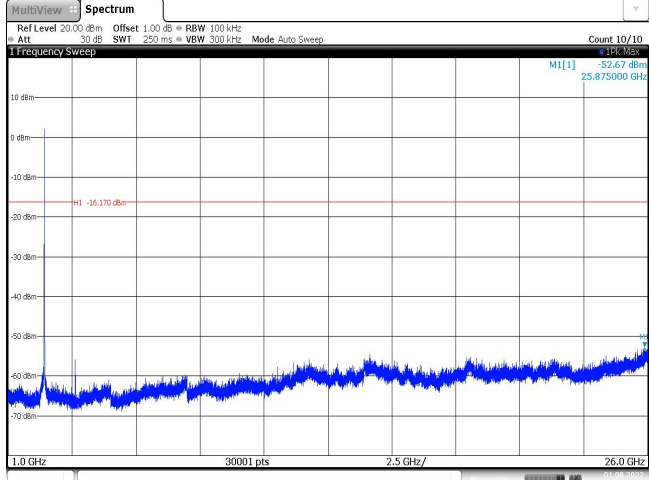
Date: 1 AUG 2022 10:19:09

Appendix F: Band edge and Spurious Emissions (conducted)

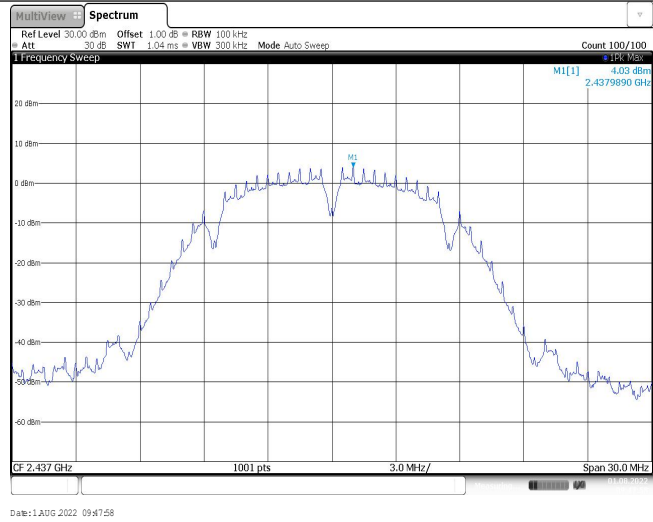
Test Item:	Bandedge	Type:	802.11 b																																										
CH01	 <p>MultiView Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Count 300/300 Att -30 dB SWF 1.12 ms VBW 300 kHz Mode Auto Sweep</p> <p>1 Frequency Sweep</p> <p>2.31 GHz 1001 pts 11.2 MHz/ 2.422 GHz</p> <table 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>2.41143 GHz</td> <td>3.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-48.96 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-57.82 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-60.45 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.398032 GHz</td> <td>-46.02 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1 AUG 2022 09:44:05</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41143 GHz	3.65 dBm			M2	1		2.4 GHz	-48.96 dBm			M3	1		2.39 GHz	-57.82 dBm			M4	1		2.31 GHz	-60.45 dBm			M5	1		2.398032 GHz	-46.02 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41143 GHz	3.65 dBm																																									
M2	1		2.4 GHz	-48.96 dBm																																									
M3	1		2.39 GHz	-57.82 dBm																																									
M4	1		2.31 GHz	-60.45 dBm																																									
M5	1		2.398032 GHz	-46.02 dBm																																									
CH11	 <p>MultiView Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Count 300/300 Att -30 dB SWF 1.03 ms VBW 300 kHz Mode Auto Sweep</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>2.461471 GHz</td> <td>3.55 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>-59.70 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.488 GHz</td> <td>-55.35 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1 AUG 2022 09:54:27</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.461471 GHz	3.55 dBm			M2	1		2.4835 GHz	-58.15 dBm			M3	1		2.5 GHz	-59.70 dBm			M4	1		2.488 GHz	-55.35 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.461471 GHz	3.55 dBm																																									
M2	1		2.4835 GHz	-58.15 dBm																																									
M3	1		2.5 GHz	-59.70 dBm																																									
M4	1		2.488 GHz	-55.35 dBm																																									

Test Item:	Bandedge	Type:	802.11 g																																										
CH01	 <p>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</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>2.40695 GHz</td> <td>-3.63 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-46.25 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-50.48 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-39.54 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.397024 GHz</td> <td>-43.55 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1.AUG 2022 10:43:55</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40695 GHz	-3.63 dBm			M2	1		2.4 GHz	-46.25 dBm			M3	1		2.39 GHz	-50.48 dBm			M4	1		2.31 GHz	-39.54 dBm			M5	1		2.397024 GHz	-43.55 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.40695 GHz	-3.63 dBm																																									
M2	1		2.4 GHz	-46.25 dBm																																									
M3	1		2.39 GHz	-50.48 dBm																																									
M4	1		2.31 GHz	-39.54 dBm																																									
M5	1		2.397024 GHz	-43.55 dBm																																									
CH11	 <p>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</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>2.456963 GHz</td> <td>-4.03 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-51.68 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-57.66 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483632 GHz</td> <td>-51.00 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1.AUG 2022 10:49:10</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.456963 GHz	-4.03 dBm			M2	1		2.4835 GHz	-51.68 dBm			M3	1		2.5 GHz	-57.66 dBm			M4	1		2.483632 GHz	-51.00 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.456963 GHz	-4.03 dBm																																									
M2	1		2.4835 GHz	-51.68 dBm																																									
M3	1		2.5 GHz	-57.66 dBm																																									
M4	1		2.483632 GHz	-51.00 dBm																																									

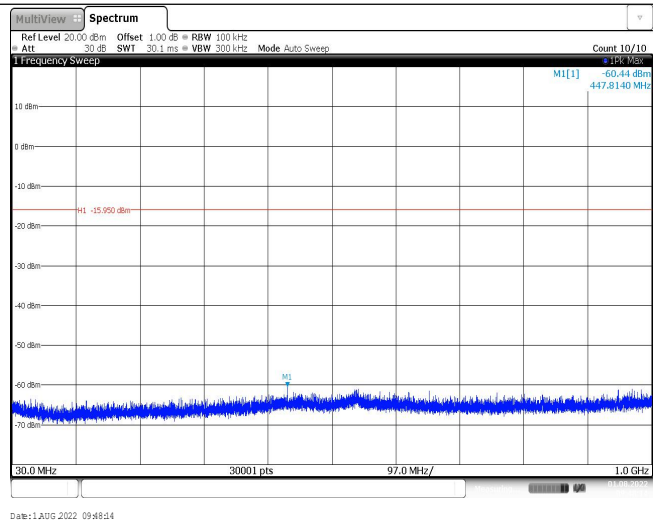
Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
CH01	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.12 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1 Frequency Sweep</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1[1] -3.78 dBm 2.41064 GHz M2[1] -45.81 dBm 2.40000 GHz</p> <p>M1 -23.780 dBm</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>2.41064 GHz</td> <td>-3.78 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-45.81 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-49.96 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-60.63 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.397024 GHz</td> <td>-43.09 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1 AUG 2022 10:47:38</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41064 GHz	-3.78 dBm			M2	1		2.4 GHz	-45.81 dBm			M3	1		2.39 GHz	-49.96 dBm			M4	1		2.31 GHz	-60.63 dBm			M5	1		2.397024 GHz	-43.09 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41064 GHz	-3.78 dBm																																									
M2	1		2.4 GHz	-45.81 dBm																																									
M3	1		2.39 GHz	-49.96 dBm																																									
M4	1		2.31 GHz	-60.63 dBm																																									
M5	1		2.397024 GHz	-43.09 dBm																																									
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>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1[1] -4.14 dBm 2.456963 GHz M2[1] -49.75 dBm 2.4835000 GHz</p> <p>M1 -24.140 dBm</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>2.456963 GHz</td> <td>-4.14 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-49.75 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-58.69 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483824 GHz</td> <td>-49.22 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 1 AUG 2022 10:22:28</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.456963 GHz	-4.14 dBm			M2	1		2.4835 GHz	-49.75 dBm			M3	1		2.5 GHz	-58.69 dBm			M4	1		2.483824 GHz	-49.22 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.456963 GHz	-4.14 dBm																																									
M2	1		2.4835 GHz	-49.75 dBm																																									
M3	1		2.5 GHz	-58.69 dBm																																									
M4	1		2.483824 GHz	-49.22 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

