

# APPENDIX REPORT

Project No.	SHT2006103901EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT20051039002	Model No.	CT9E78Q22N
Start test date	2020/7/2	Finish date	2020/7/2
Temperature	25°C	Humidity	50%
Test Engineer	Jiongsheng.Feng	Auditor	<i>William.wang</i>

Appendix clause	Test item	Result
A	Conducted Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
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	14.32	12.27	≤ 30.00	Pass
	06	14.02	12.05		
	11	14.22	12.21		
802.11g	01	13.53	11.03	≤ 30.00	Pass
	06	13.58	11.17		
	11	13.83	11.34		
802.11n (HT20)	01	13.00	10.51	≤ 30.00	Pass
	06	12.99	10.46		
	11	13.08	10.58		

**Appendix B: Power Spectral Density**

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	0.25	≤8.00	Pass
	06	-0.72		
	11	-1.09		
802.11g	01	-10.65	≤8.00	Pass
	06	-10.12		
	11	-11.00		
802.11n(HT20)	01	-12.78	≤8.00	Pass
	06	-11.95		
	11	-12.14		

Type:	802.11 b
CH01	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 1.78 ms VBW 100 kHz Mode Auto Sweep</p> <p>Count 100/100 MI[1] 0.25 dBm 2.4125270 GHz</p> <p>CF 2.412 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz</p> <p>Date: 14.JUL.2009 09:31:34</p>
CH06	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 1.78 ms VBW 100 kHz Mode Auto Sweep</p> <p>Count 100/100 MI[1] -0.72 dBm 2.4377670 GHz</p> <p>CF 2.437 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz</p> <p>Date: 14.JUL.2009 09:33:51</p>
CH11	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 1.78 ms VBW 100 kHz Mode Auto Sweep</p> <p>Count 100/100 MI[1] -1.09 dBm 2.4625270 GHz</p> <p>CF 2.462 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz</p> <p>Date: 14.JUL.2009 09:35:14</p>

Type:	802.11 g
CH01	<p>1 Frequency Swcnp</p> <p>Ref Level 20.00 dBm Offset 1.00 dB # RBW 30 kHz Count 100/100</p> <p>Att 30 dB SWI 275 μs (~15 ms) # VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -10.00 dBm 2.4145220 GHz</p> <p>CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 1.JUL.2020 17:13:43</p>
CH06	<p>1 Frequency Swcnp</p> <p>Ref Level 20.00 dBm Offset 1.00 dB # RBW 30 kHz Count 100/100</p> <p>Att 30 dB SWI 275 μs (~15 ms) # VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -10.12 dBm 2.4395220 GHz</p> <p>CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 1.JUL.2020 17:33:35</p>
CH11	<p>1 Frequency Swcnp</p> <p>Ref Level 20.00 dBm Offset 1.00 dB # RBW 30 kHz Count 100/100</p> <p>Att 30 dB SWI 275 μs (~15 ms) # VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -11.00 dBm 2.4626490 GHz</p> <p>CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 2.JUL.2020 10:40:23</p>

Type:	802.11n(HT20)
CH01	<p>                     MultView Spectrum                      Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz                      Att 30 dB SWI 275 μs (~15 ms) VBW 100 kHz Mode Auto FFT                      Count 100/100                      1 Frequency Swcnp                      MI[1] -12.73 dBm                      2.4151470 GHz                      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: 2.JUL.2020 10:48:31                 </p>
CH06	<p>                     MultView Spectrum                      Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz                      Att 30 dB SWI 275 μs (~15 ms) VBW 100 kHz Mode Auto FFT                      Count 100/100                      1 Frequency Swcnp                      MI[1] -11.90 dBm                      2.4389240 GHz                      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: 2.JUL.2020 10:57:27                 </p>
CH11	<p>                     MultView Spectrum                      Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz                      Att 30 dB SWI 275 μs (~15 ms) VBW 100 kHz Mode Auto FFT                      Count 100/100                      1 Frequency Swcnp                      MI[1] -12.14 dBm                      2.4629740 GHz                      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: 2.JUL.2020 11:02:50                 </p>

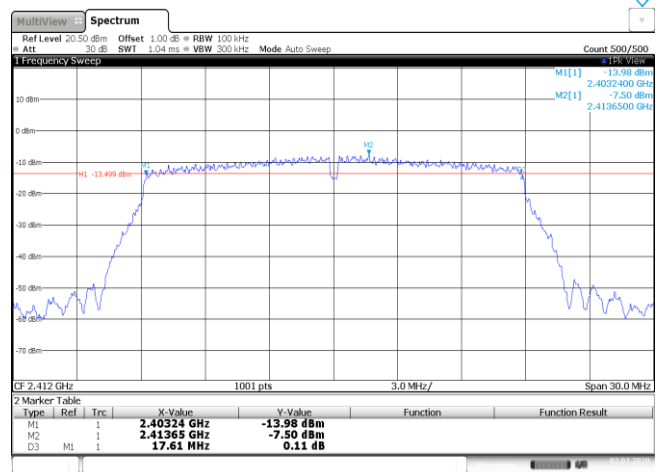
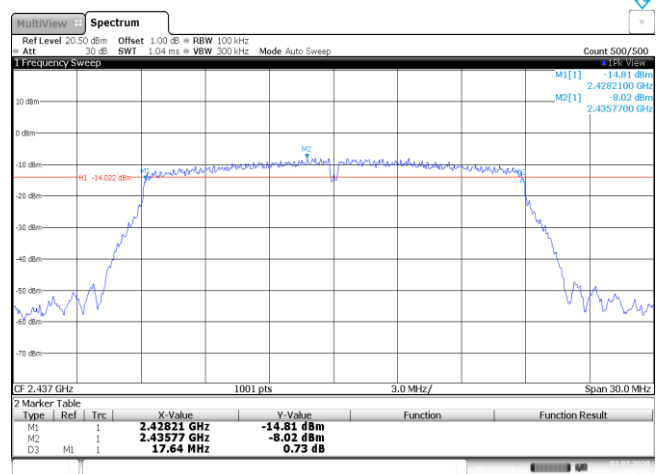
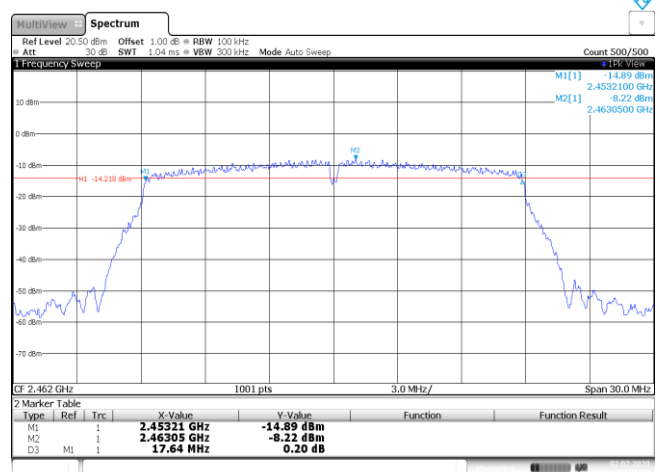
**Appendix C: 6dB bandwidth**

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	7.62	≥0.5	Pass
	06	8.10		
	11	8.10		
802.11g	01	15.39	≥0.5	Pass
	06	15.18		
	11	16.38		
802.11n(HT20)	01	17.61	≥0.5	Pass
	06	17.64		
	11	17.64		

Type:	802.11 b																												
CH01	<p><b>1 Frequency Sweep</b></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>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>2.40846 GHz</td> <td>-3.05 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.41302 GHz</td> <td>3.79 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>7.62 MHz</td> <td>-0.18 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14.JUL.2020 09:31:12</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40846 GHz	-3.05 dBm			M2	1		2.41302 GHz	3.79 dBm			D3	M1	1	7.62 MHz	-0.18 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.40846 GHz	-3.05 dBm																									
M2	1		2.41302 GHz	3.79 dBm																									
D3	M1	1	7.62 MHz	-0.18 dB																									
CH06	<p><b>1 Frequency Sweep</b></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>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>2.43298 GHz</td> <td>-2.91 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.43802 GHz</td> <td>3.47 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>6.1 MHz</td> <td>-0.03 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14.JUL.2020 09:33:29</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.43298 GHz	-2.91 dBm			M2	1		2.43802 GHz	3.47 dBm			D3	M1	1	6.1 MHz	-0.03 dB		
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Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.45798 GHz	-3.26 dBm																									
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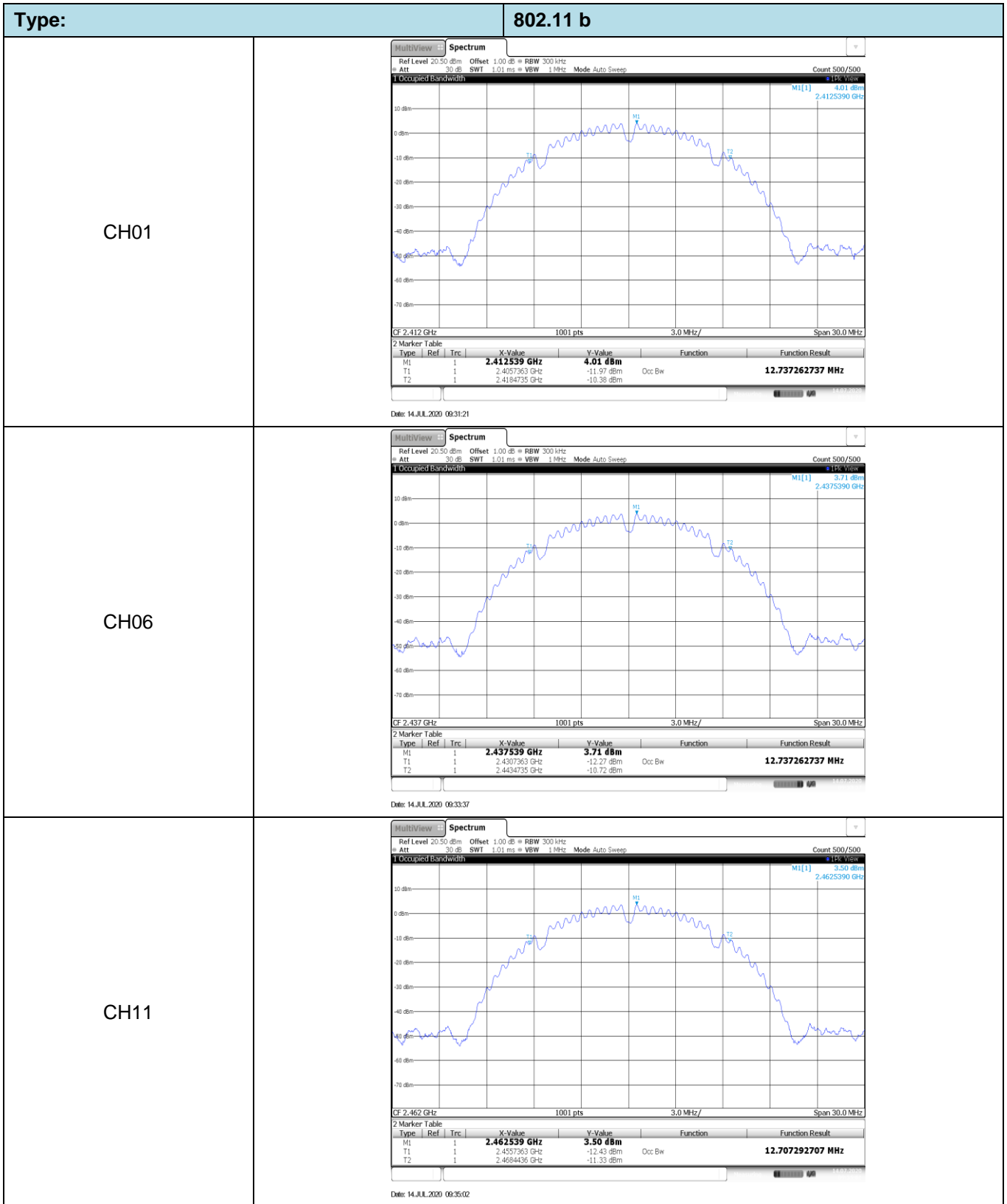



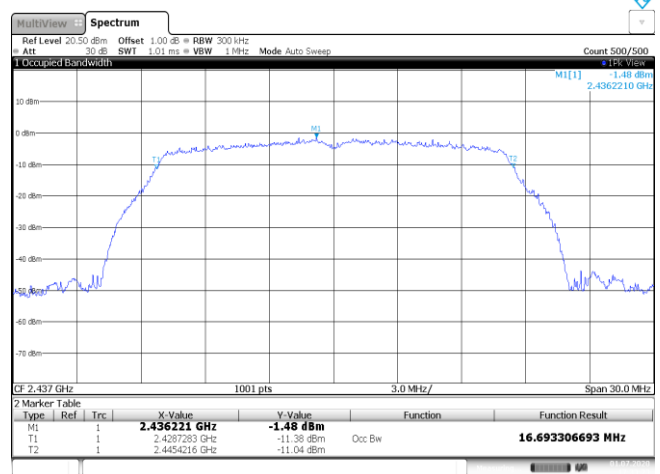
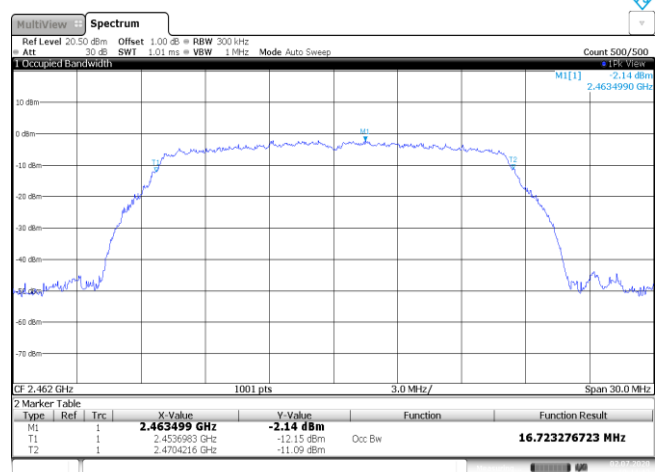
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M1	1		2.42944 GHz	-11.68 dBm																									
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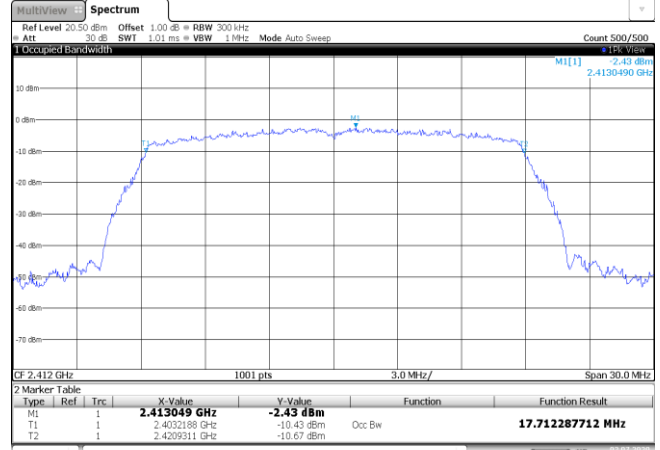
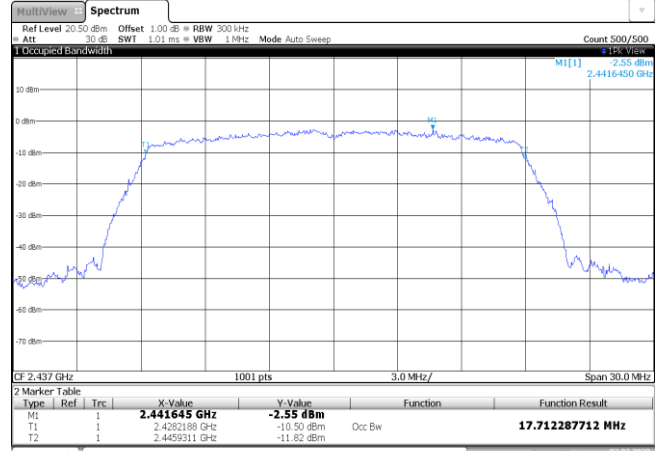
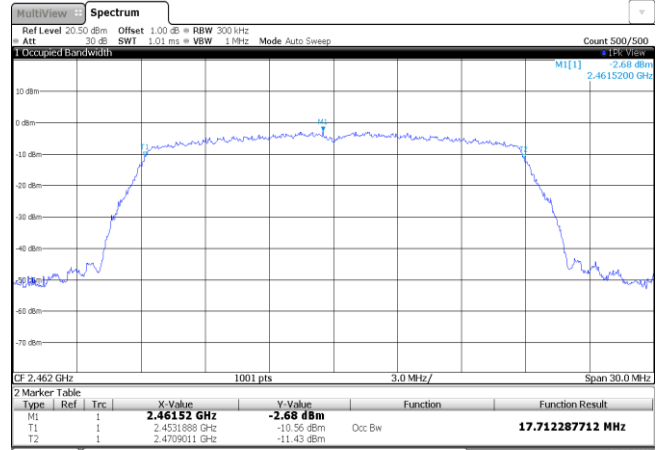
Type:	802.11n(HT20)																												
CH01	 <p>MultiView Spectrum          Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz          Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep          Count 500/500</p> <p>1 Frequency Sweep          CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table 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>2.40324 GHz</td> <td>-13.98 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.41365 GHz</td> <td>-7.50 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.61 MHz</td> <td>0.11 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 2.JUL.2020 10:40:50</p>	Type	Ref	Trc	X Value	Y Value	Function	Function Result	M1	1		2.40324 GHz	-13.98 dBm			M2	1		2.41365 GHz	-7.50 dBm			D3	M1	1	17.61 MHz	0.11 dB		
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Type	Ref	Trc	X Value	Y Value	Function	Function Result																							
M1	1		2.42821 GHz	-14.81 dBm																									
M2	1		2.43577 GHz	-8.02 dBm																									
D3	M1	1	17.64 MHz	0.73 dB																									
CH11	 <p>MultiView Spectrum          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          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>2.45321 GHz</td> <td>-14.89 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.46305 GHz</td> <td>-8.22 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.64 MHz</td> <td>0.20 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 2.JUL.2020 11:02:29</p>	Type	Ref	Trc	X Value	Y Value	Function	Function Result	M1	1		2.45321 GHz	-14.89 dBm			M2	1		2.46305 GHz	-8.22 dBm			D3	M1	1	17.64 MHz	0.20 dB		
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**Appendix D: 99% Occupied Bandwidth**

Type	Channel	99% Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	12.74	-	Pass
	06	12.74		
	11	12.71		
802.11g	01	16.69	-	Pass
	06	16.69		
	11	16.72		
802.11n(HT20)	01	17.71	-	Pass
	06	17.71		
	11	17.71		

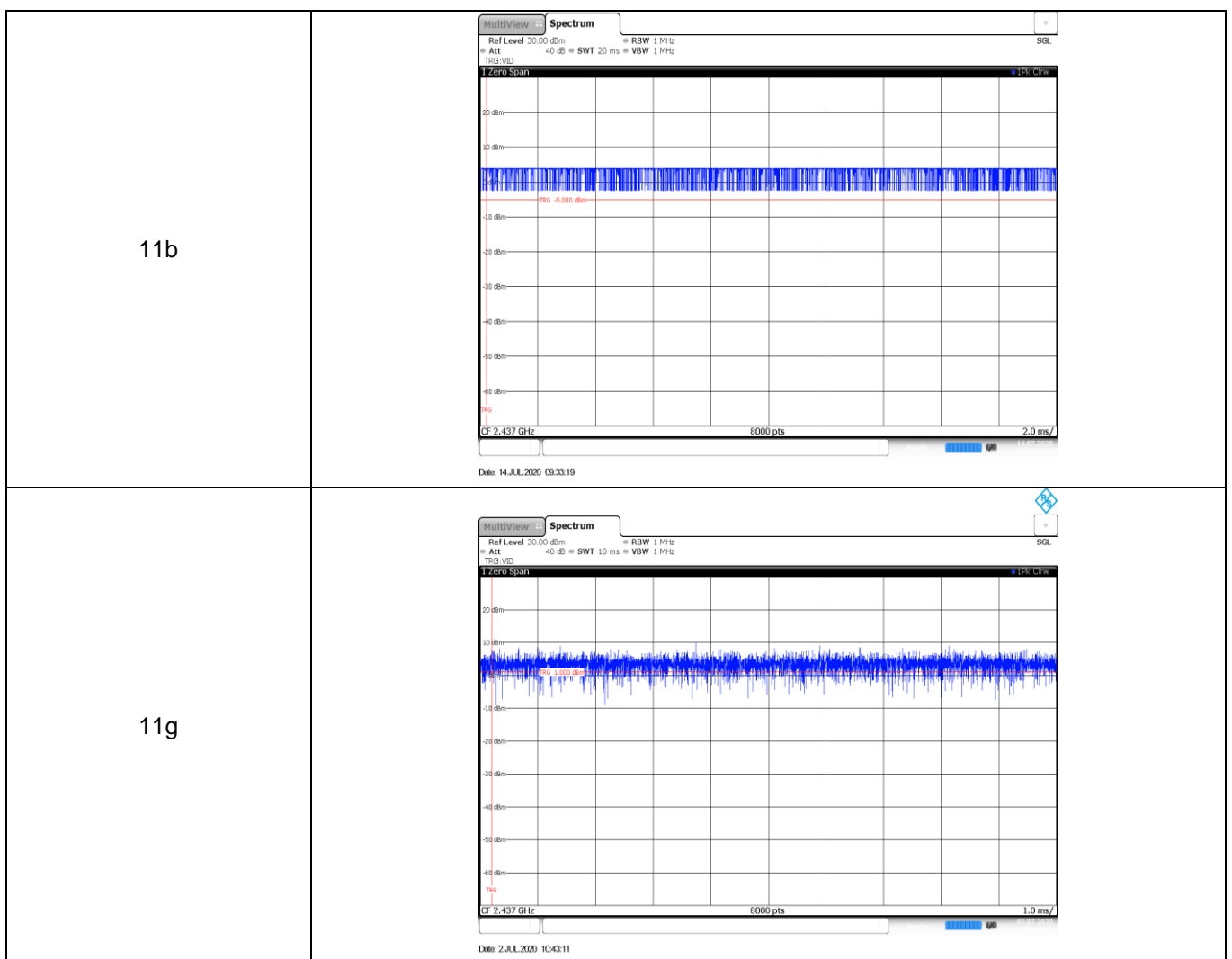


Type:	802.11 g																												
CH01	 <p>MultiView Spectrum          Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz          Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep          Count 500/500          1 Occupied Bandwidth          M1[1] 11.50 dBm          2.4140380 GHz          10 dBm          0 dBm          -10 dBm          -20 dBm          -30 dBm          -40 dBm          -50 dBm          -60 dBm          -70 dBm          CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz          2 Marker Table  <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>2.414038 GHz</td> <td>-1.90 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4037582 GHz</td> <td>-11.98 dBm</td> <td>Occ Bw</td> <td>16.693306693 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4204515 GHz</td> <td>-12.06 dBm</td> <td></td> <td></td> </tr> </tbody> </table>         Date: 1.JUL.2020 17:13:37</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.414038 GHz	-1.90 dBm			T1	1		2.4037582 GHz	-11.98 dBm	Occ Bw	16.693306693 MHz	T2	1		2.4204515 GHz	-12.06 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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T1	1		2.4037582 GHz	-11.98 dBm	Occ Bw	16.693306693 MHz																							
T2	1		2.4204515 GHz	-12.06 dBm																									
CH06	 <p>MultiView Spectrum          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          1 Occupied Bandwidth          M1[1] 11.50 dBm          2.4362210 GHz          10 dBm          0 dBm          -10 dBm          -20 dBm          -30 dBm          -40 dBm          -50 dBm          -60 dBm          -70 dBm          CF 2.437 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz          2 Marker Table  <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>2.436221 GHz</td> <td>-1.48 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4287283 GHz</td> <td>-11.38 dBm</td> <td>Occ Bw</td> <td>16.693306693 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4454216 GHz</td> <td>-11.04 dBm</td> <td></td> <td></td> </tr> </tbody> </table>         Date: 1.JUL.2020 17:33:22</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.436221 GHz	-1.48 dBm			T1	1		2.4287283 GHz	-11.38 dBm	Occ Bw	16.693306693 MHz	T2	1		2.4454216 GHz	-11.04 dBm		
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CH11	 <p>MultiView Spectrum          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          1 Occupied Bandwidth          M1[1] 11.50 dBm          2.4634990 GHz          10 dBm          0 dBm          -10 dBm          -20 dBm          -30 dBm          -40 dBm          -50 dBm          -60 dBm          -70 dBm          CF 2.462 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz          2 Marker Table  <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>2.463499 GHz</td> <td>-2.14 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4536983 GHz</td> <td>-12.15 dBm</td> <td>Occ Bw</td> <td>16.723276723 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4704216 GHz</td> <td>-11.09 dBm</td> <td></td> <td></td> </tr> </tbody> </table>         Date: 2.JUL.2020 10:44:42</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.463499 GHz	-2.14 dBm			T1	1		2.4536983 GHz	-12.15 dBm	Occ Bw	16.723276723 MHz	T2	1		2.4704216 GHz	-11.09 dBm		
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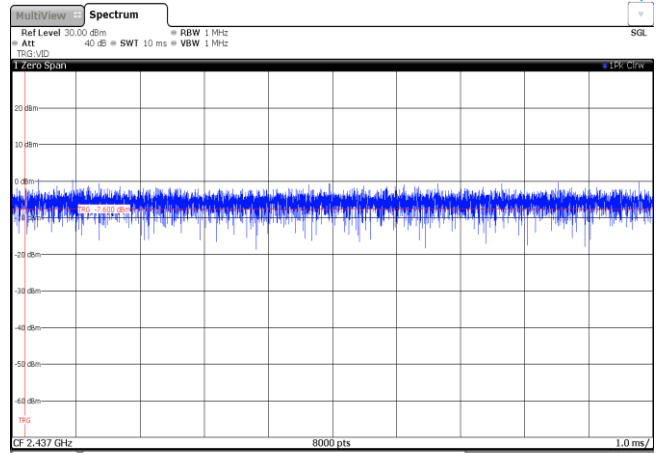
Type:	802.11n(HT20)																												
CH01	 <p>MultiView Spectrum          Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz          Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep          Count 500/500          1 Occupied Bandwidth          M1[1] 2.413049 GHz          CF 2.412 GHz 1001 pts 3.0 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>2.413049 GHz</td> <td>-2.43 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4032188 GHz</td> <td>-10.43 dBm</td> <td>Occ Bw</td> <td>17.712287712 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4209311 GHz</td> <td>-10.67 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 2.JUL.2020 10:40:58</p>	Type	Ref	Trc	X Value	Y Value	Function	Function Result	M1	1		2.413049 GHz	-2.43 dBm			T1	1		2.4032188 GHz	-10.43 dBm	Occ Bw	17.712287712 MHz	T2	1		2.4209311 GHz	-10.67 dBm		
Type	Ref	Trc	X Value	Y Value	Function	Function Result																							
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CH06	 <p>MultiView Spectrum          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          1 Occupied Bandwidth          M1[1] 2.441645 GHz          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>2.441645 GHz</td> <td>-2.55 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4282188 GHz</td> <td>-10.50 dBm</td> <td>Occ Bw</td> <td>17.712287712 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4493311 GHz</td> <td>-11.82 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 2.JUL.2020 10:57:14</p>	Type	Ref	Trc	X Value	Y Value	Function	Function Result	M1	1		2.441645 GHz	-2.55 dBm			T1	1		2.4282188 GHz	-10.50 dBm	Occ Bw	17.712287712 MHz	T2	1		2.4493311 GHz	-11.82 dBm		
Type	Ref	Trc	X Value	Y Value	Function	Function Result																							
M1	1		2.441645 GHz	-2.55 dBm																									
T1	1		2.4282188 GHz	-10.50 dBm	Occ Bw	17.712287712 MHz																							
T2	1		2.4493311 GHz	-11.82 dBm																									
CH11	 <p>MultiView Spectrum          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          1 Occupied Bandwidth          M1[1] 2.46152 GHz          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>2.46152 GHz</td> <td>-2.68 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4531888 GHz</td> <td>-10.56 dBm</td> <td>Occ Bw</td> <td>17.712287712 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4709011 GHz</td> <td>-11.43 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 2.JUL.2020 11:02:37</p>	Type	Ref	Trc	X Value	Y Value	Function	Function Result	M1	1		2.46152 GHz	-2.68 dBm			T1	1		2.4531888 GHz	-10.56 dBm	Occ Bw	17.712287712 MHz	T2	1		2.4709011 GHz	-11.43 dBm		
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T1	1		2.4531888 GHz	-10.56 dBm	Occ Bw	17.712287712 MHz																							
T2	1		2.4709011 GHz	-11.43 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	1.00	1.00	100.0%	1.0
11g	2437	1.00	1.00	100.0%	1.0
11n20	2437	1.00	1.00	100.0%	1.0

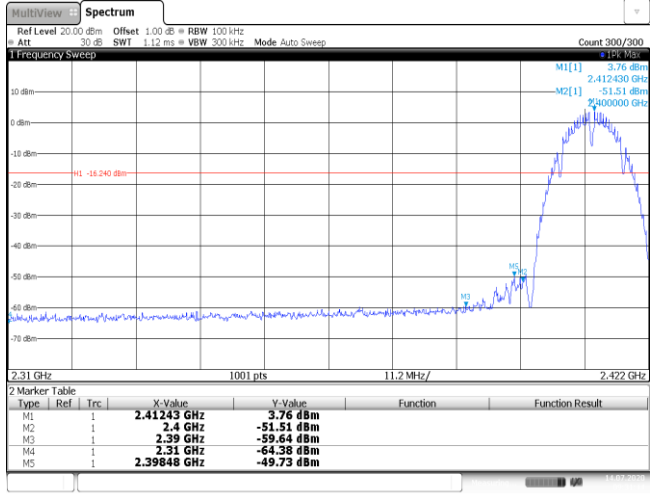
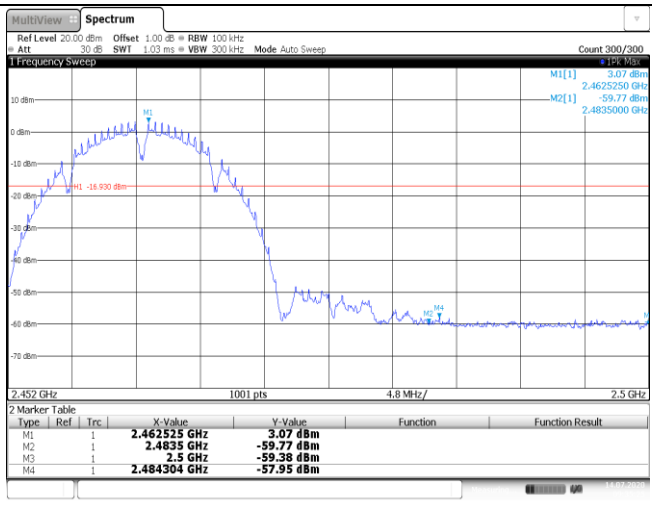


11n20



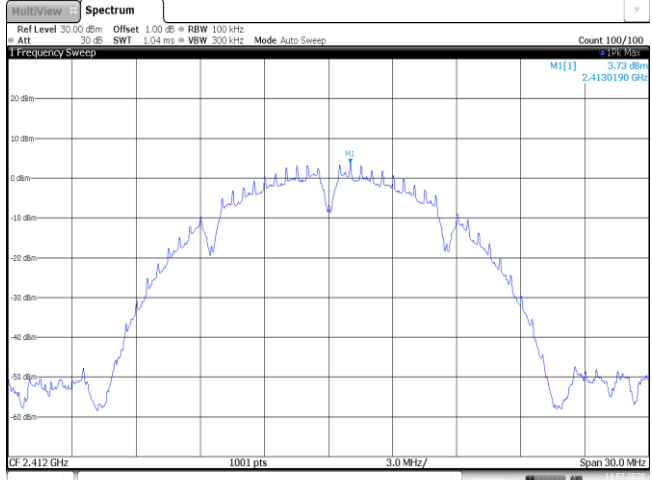
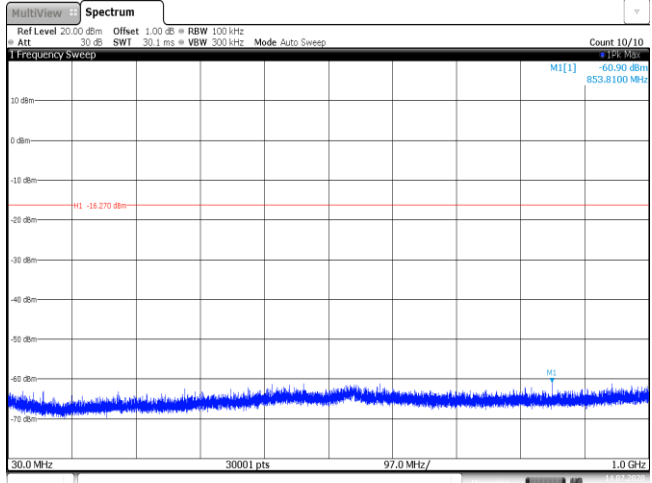
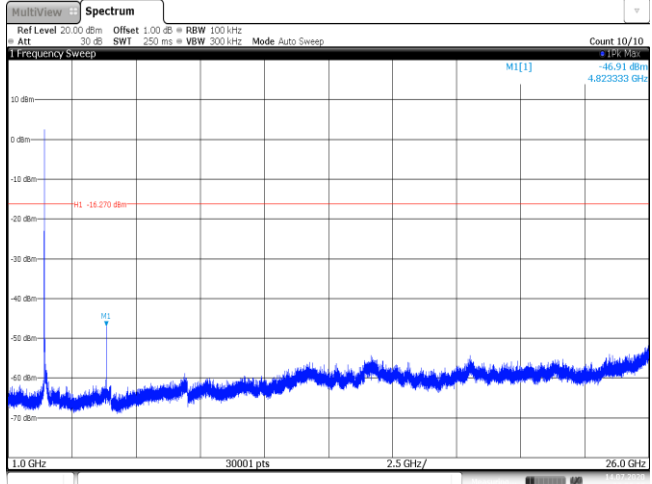


**Appendix F: Band edge and Spurious Emissions (conducted)**

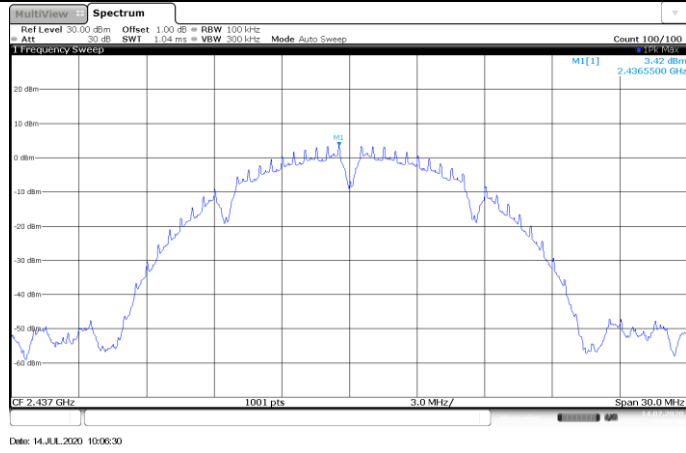
Test Item:	Bandedge	Type:	802.11 b																																										
CH01	 <p><b>2 Marker Table</b></p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.41243 GHz</td> <td>3.76 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-51.51 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-59.64 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.38 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.39848 GHz</td> <td>-49.73 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14 JUL 2020 09:31:44</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41243 GHz	3.76 dBm			M2	1		2.4 GHz	-51.51 dBm			M3	1		2.39 GHz	-59.64 dBm			M4	1		2.31 GHz	-64.38 dBm			M5	1		2.39848 GHz	-49.73 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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Test Item:	Bandedge	Type:	802.11 g																																										
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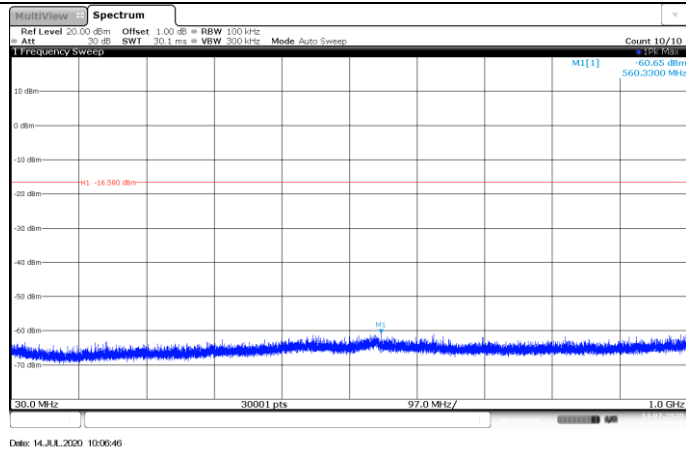
Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
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CH11	<p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.460991 GHz</td> <td>-8.05 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-58.59 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-58.99 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.485072 GHz</td> <td>-57.76 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 2.JUL.2020 11:03:00</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.460991 GHz	-8.05 dBm			M2	1		2.4835 GHz	-58.59 dBm			M3	1		2.5 GHz	-58.99 dBm			M4	1		2.485072 GHz	-57.76 dBm									
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Test Item:	SE	Type:	802.11 b
<p>CH01 Reference level</p>	 <p>Date: 14.JUL.2020 09:31:52</p>		
<p>CH01 30MHz~1000MHz</p>	 <p>Date: 14.JUL.2020 09:32:08</p>		
<p>CH01 1GHz~26GHz</p>	 <p>Date: 14.JUL.2020 09:32:25</p>		

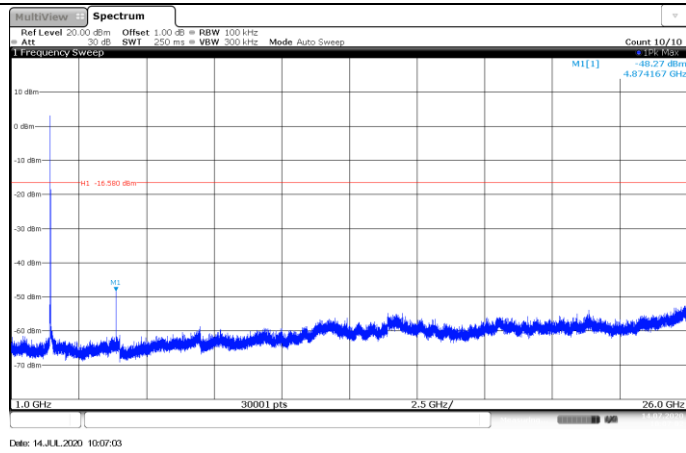
CH06  
Reference level



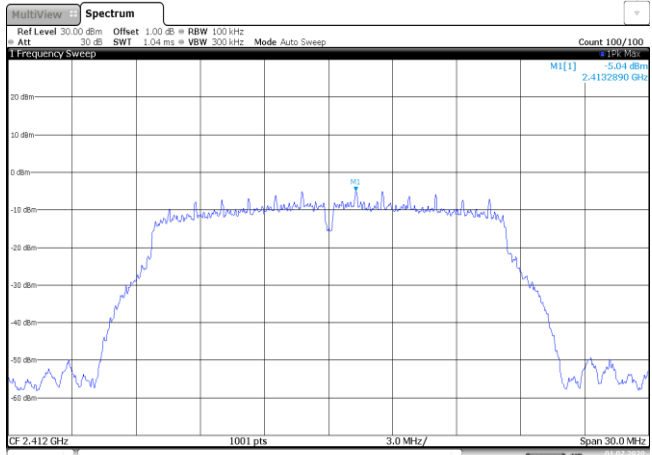
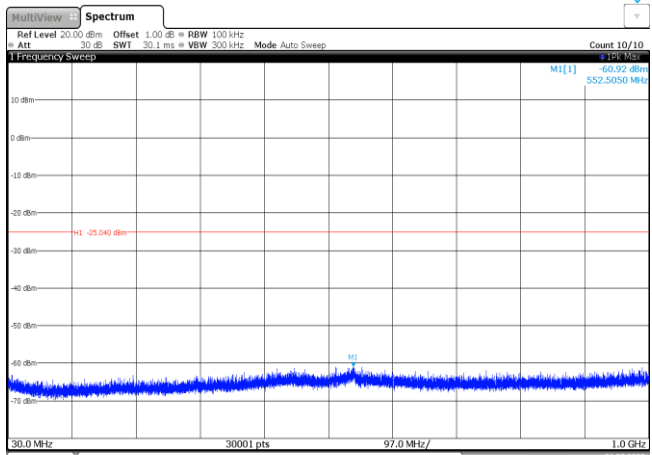
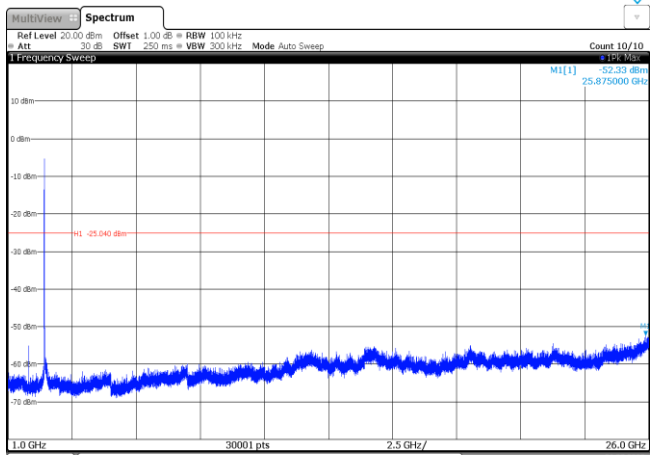
CH06  
30MHz~1000MHz



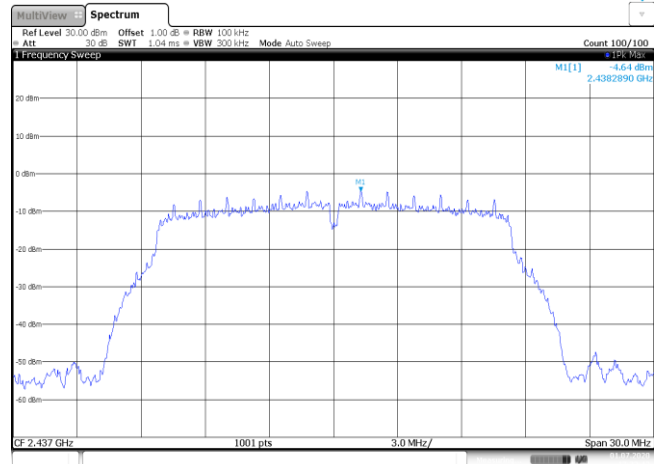
CH06  
1GHz~26GHz



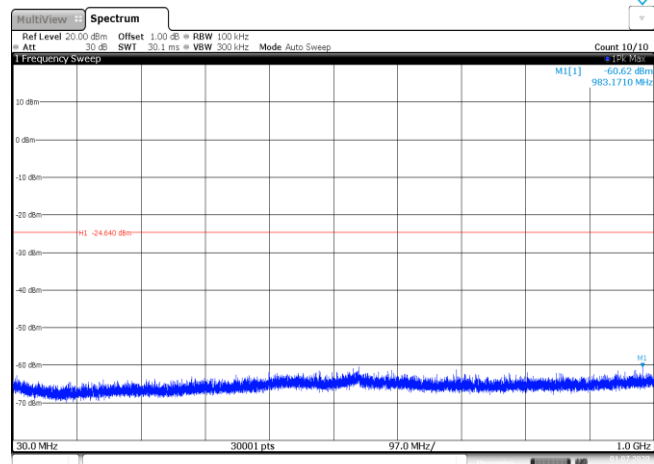
<p>CH11 Reference level</p>	<p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 0.34 dBm 2.4625390 GHz CF 2.462 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 14 JUL 2020 09:35:31</p>
<p>CH11 30MHz~1000MHz</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] -60.94 dBm 434.6540 MHz M1 -15.660 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 14 JUL 2020 09:35:47</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] -49.27 dBm 4.923333 GHz M1 -15.660 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 14 JUL 2020 09:36:03</p>

Test Item:	SE	Type:	802.11 g
<p>CH01 Reference level</p>			 <p>CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <p>Date: 1.JUL.2020 17:14:00</p>
<p>CH01 30MHz~1000MHz</p>			 <p>30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz</p> <p>Date: 1.JUL.2020 17:14:17</p>
<p>CH01 1GHz~26GHz</p>			 <p>1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz</p> <p>Date: 1.JUL.2020 17:14:33</p>

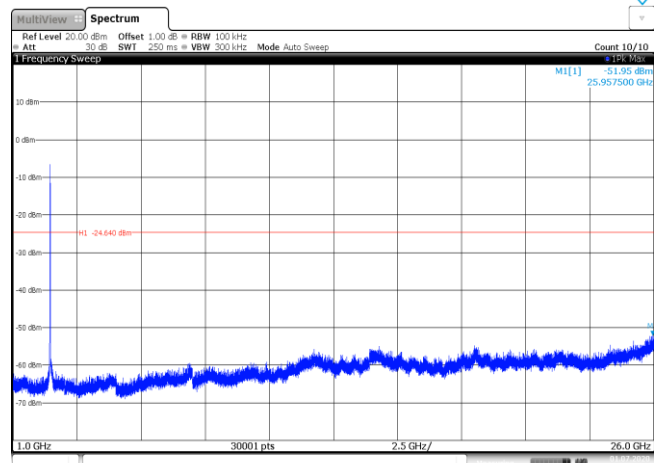
CH06  
Reference level



CH06  
30MHz~1000MHz

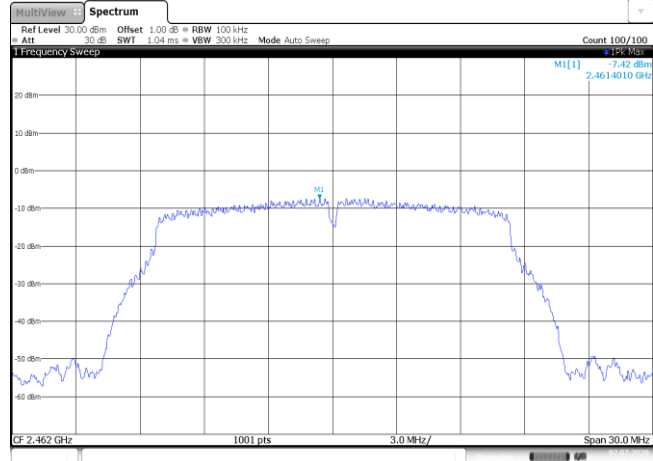


CH06  
1GHz~26GHz



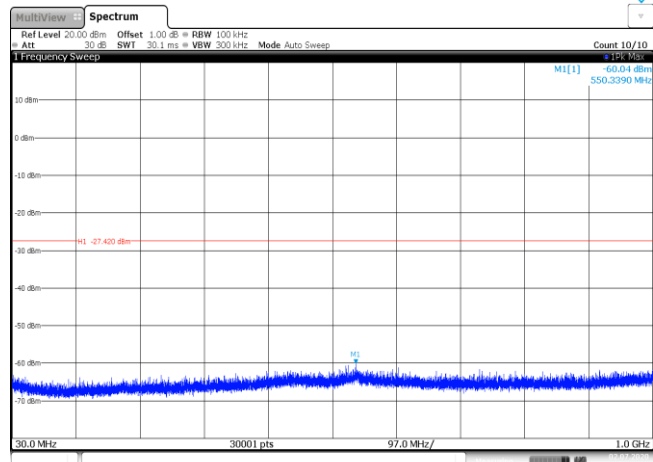


CH11  
Reference level



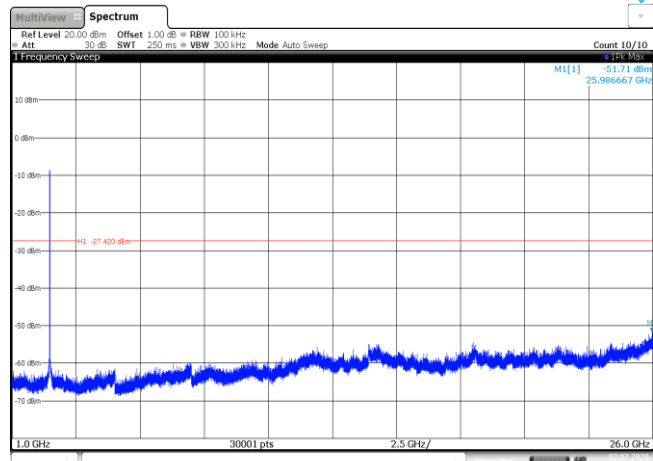
Date: 2.JUL.2020 10:40:41

CH11  
30MHz~1000MHz

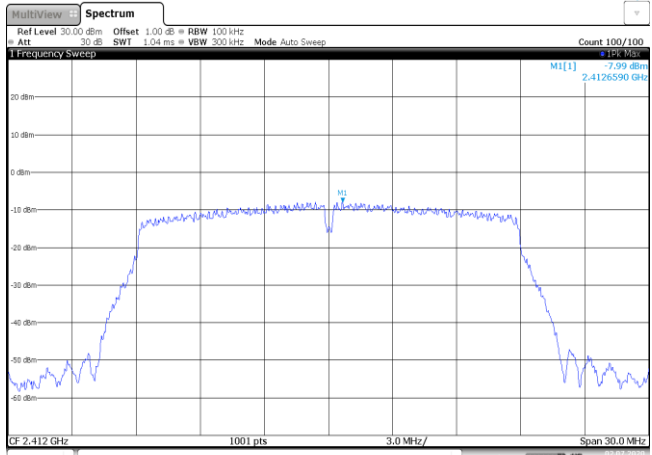
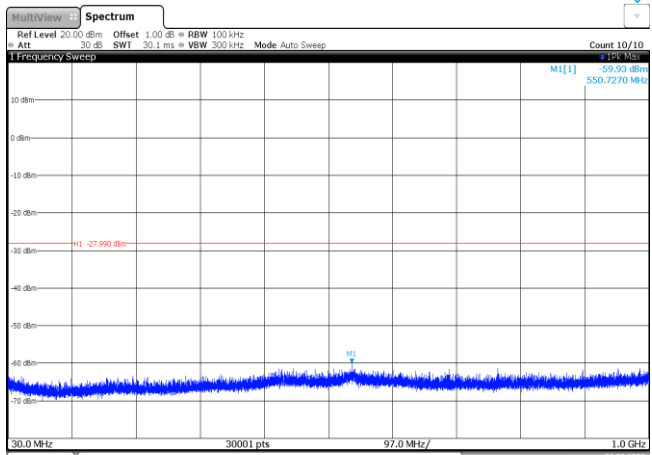
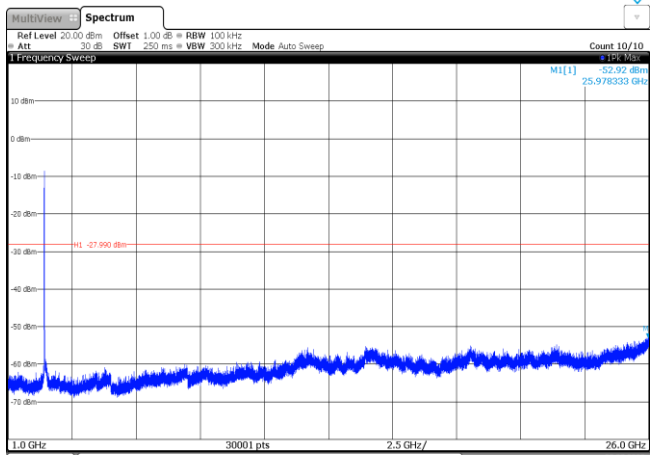


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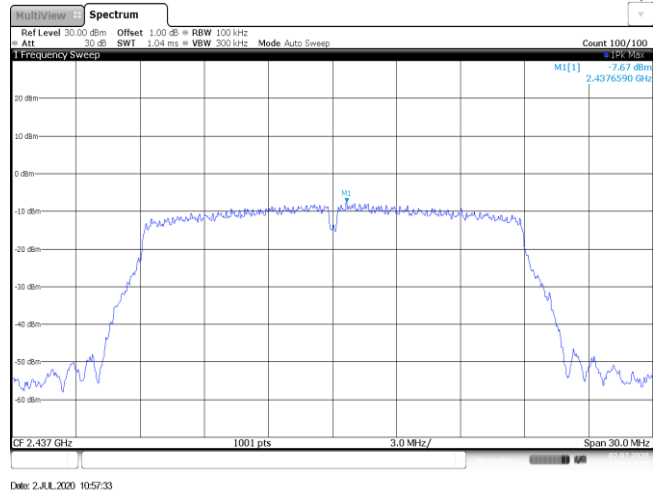
CH11  
1GHz~26GHz



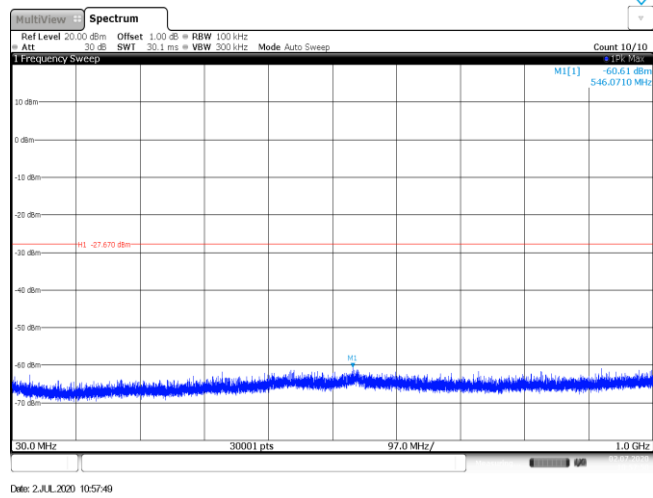
Date: 2.JUL.2020 10:41:14

Test Item:	SE	Type:	802.11 n(HT20)
<p>CH01 Reference level</p>			 <p>CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <p>Date: 2.JUL.2020 10:48:48</p>
<p>CH01 30MHz~1000MHz</p>			 <p>30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz</p> <p>Date: 2.JUL.2020 10:49:04</p>
<p>CH01 1GHz~26GHz</p>			 <p>1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz</p> <p>Date: 2.JUL.2020 10:49:20</p>

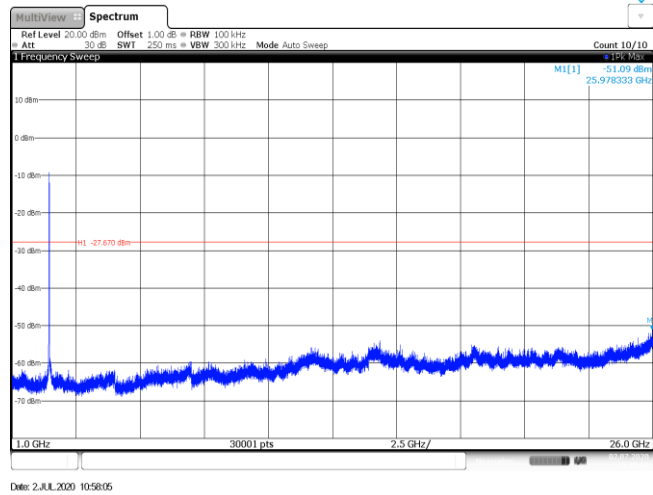
CH06  
Reference level

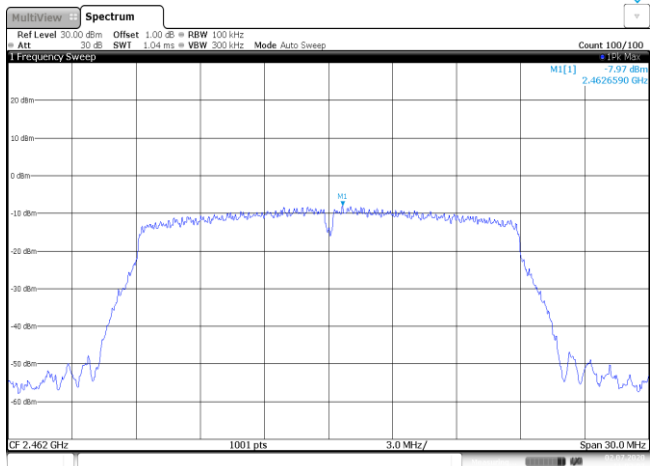
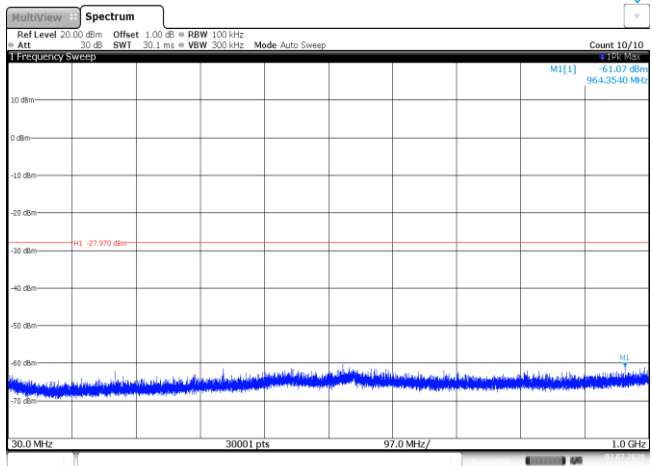
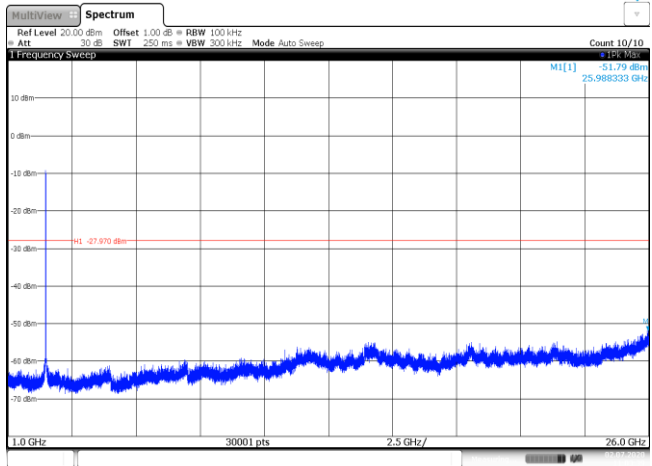


CH06  
30MHz~1000MHz



CH06  
1GHz~26GHz



<p>CH11 Reference level</p>	 <p>Date: 2.JUL.2020 11:03:07</p>
<p>CH11 30MHz~1000MHz</p>	 <p>Date: 2.JUL.2020 11:03:24</p>
<p>CH11 1GHz~26GHz</p>	 <p>Date: 2.JUL.2020 11:03:40</p>

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