

APPENDIX REPORT

Project No.	SHT2109071201EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT21090712005	Model No.	A4100
Start test date	2021-10-14	Finish date	2021-10-14
Temperature	25.7°C	Humidity	32%
Test Engineer	Xiaoqin Li	Auditor	Xiaodong Zheo

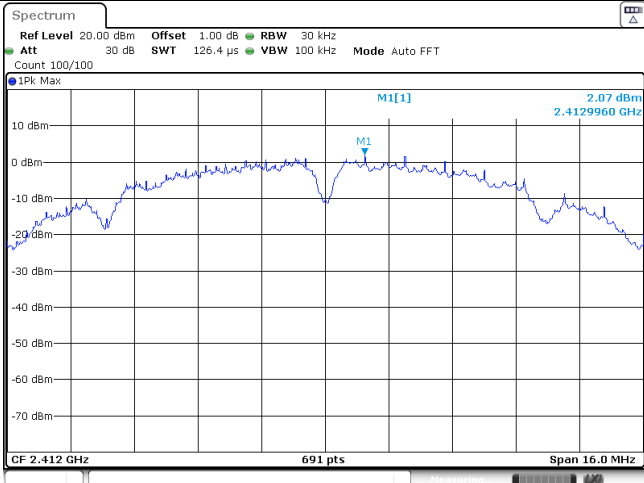
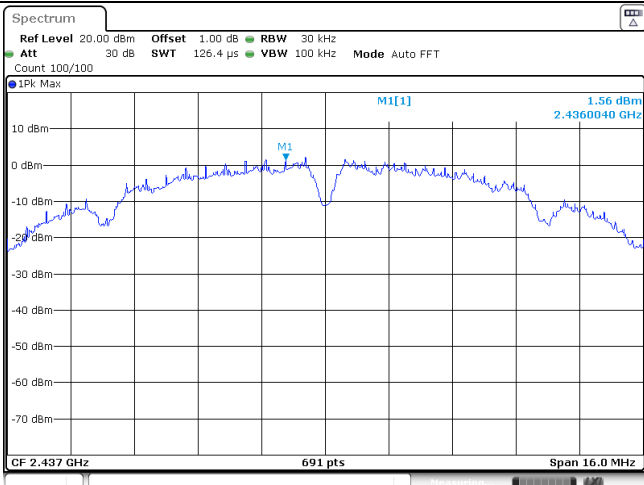
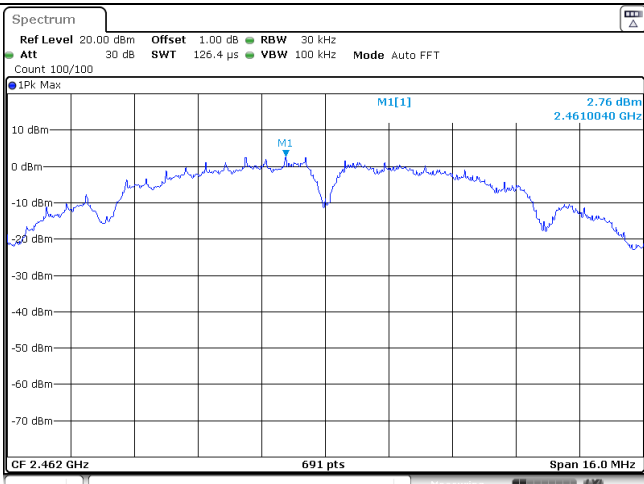
Appendix clause	Test item	Result
A	Conducted Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

Appendix A: Conducted Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	15.12	12.88	≤ 30.00	Pass
	06	15.41	13.24		
	11	16.43	13.95		
802.11g	01	14.94	11.40	≤ 30.00	Pass
	06	15.31	11.60		
	11	16.01	12.28		
802.11n (HT20)	01	15.09	11.56	≤ 30.00	Pass
	06	15.59	12.04		
	11	16.24	12.40		
802.11n(HT40)	03	14.88	11.24	≤ 30.00	Pass
	06	15.48	11.80		
	09	15.63	11.96		

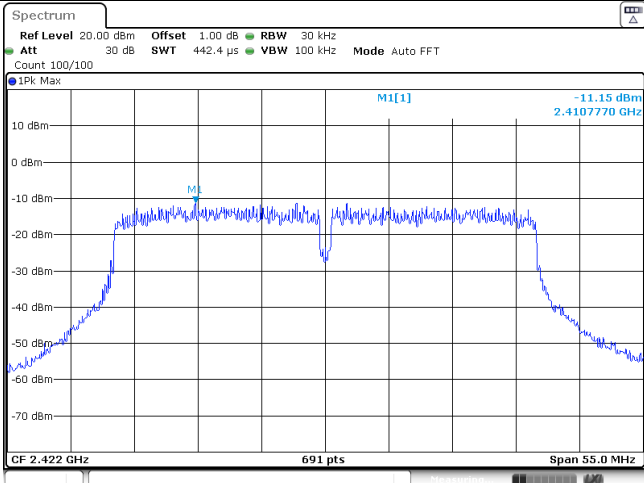
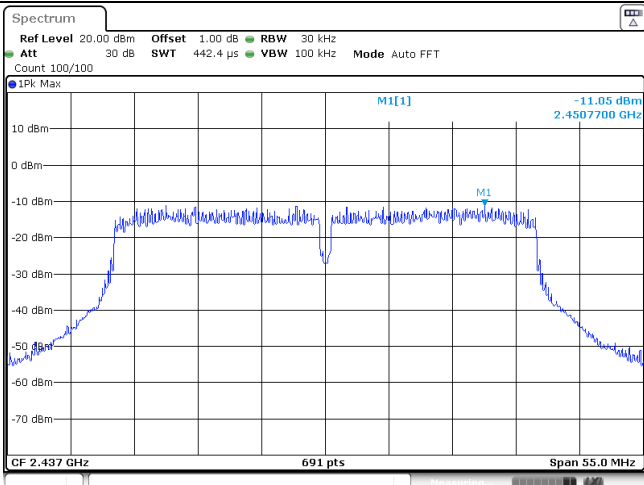
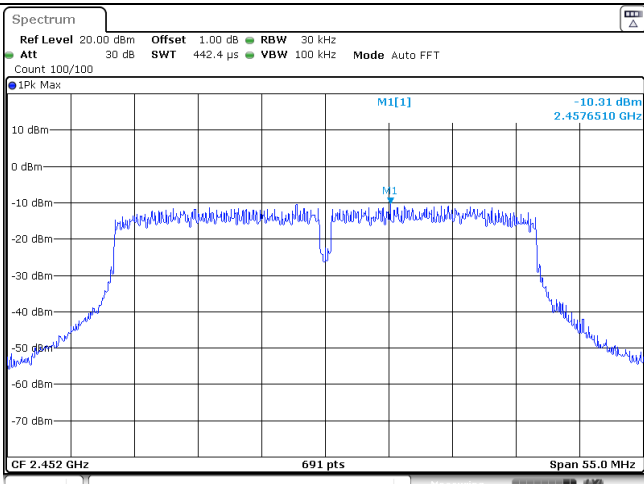
Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	2.07	≤8.00	Pass
	06	1.56		
	11	2.76		
802.11g	01	-7.06	≤8.00	Pass
	06	-6.94		
	11	-6.61		
802.11n(HT20)	01	-8.00	≤8.00	Pass
	06	-8.07		
	11	-7.29		
802.11n(HT40)	03	-11.15	≤8.00	Pass
	06	-11.05		
	09	-10.31		

Type:		802.11 b
CH01	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 126.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] 2.07 dBm 2.412960 GHz</p> <p>CF 2.412 GHz 691 pts Span 16.0 MHz</p> <p>Date: 13 OCT 2021 17:03:19</p>	
CH06	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 126.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] 1.56 dBm 2.4360040 GHz</p> <p>CF 2.437 GHz 691 pts Span 16.0 MHz</p> <p>Date: 13 OCT 2021 17:01:03</p>	
CH11	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 126.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] 2.76 dBm 2.4610040 GHz</p> <p>CF 2.462 GHz 691 pts Span 16.0 MHz</p> <p>Date: 13 OCT 2021 16:58:20</p>	

Type:		802.11 g
CH01	<p>CF 2.412 GHz 691 pts Span 25.0 MHz</p> <p>Date: 13 OCT 2021 17:11:39</p>	
CH06	<p>CF 2.437 GHz 691 pts Span 25.0 MHz</p> <p>Date: 13 OCT 2021 17:09:31</p>	
CH11	<p>CF 2.462 GHz 691 pts Span 25.0 MHz</p> <p>Date: 13 OCT 2021 17:07:03</p>	

Type:		802.11n(HT20)
CH01	<p> Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100 IPK Max -8.00 dBm 2.4113850 GHz M1 CF 2.412 GHz 691 pts Span 25.0 MHz Date: 14.OCT.2021 09:31:59 </p>	
CH06	<p> Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100 IPK Max -8.07 dBm 2.4444890 GHz M1 CF 2.437 GHz 691 pts Span 25.0 MHz Date: 14.OCT.2021 09:28:15 </p>	
CH11	<p> Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 189.6 μs VBW 100 kHz Mode Auto FFT Count 100/100 IPK Max -7.29 dBm 2.4582370 GHz M1 CF 2.462 GHz 691 pts Span 25.0 MHz Date: 14.OCT.2021 09:24:53 </p>	

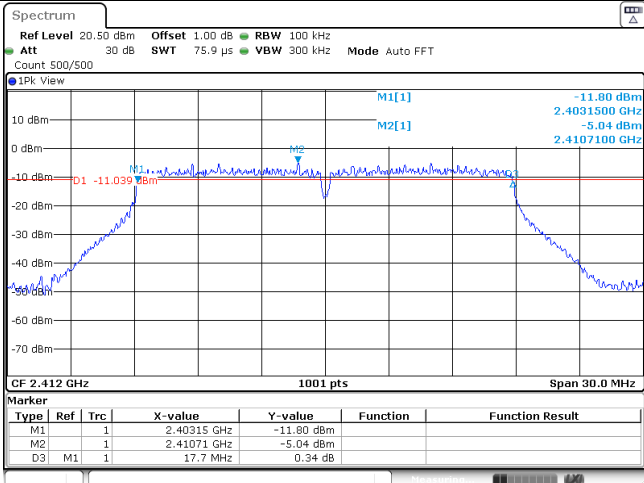
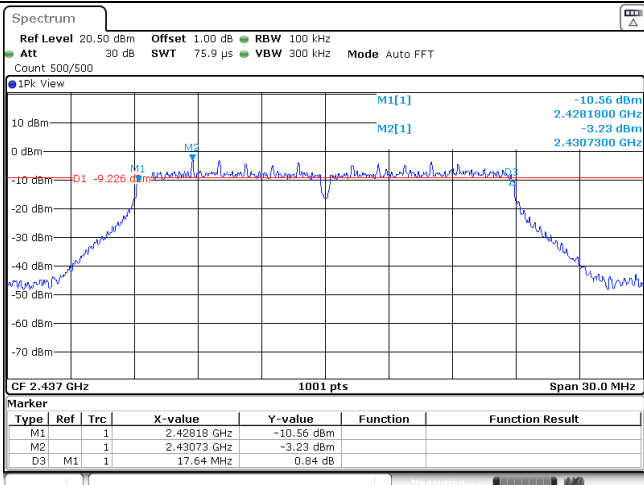
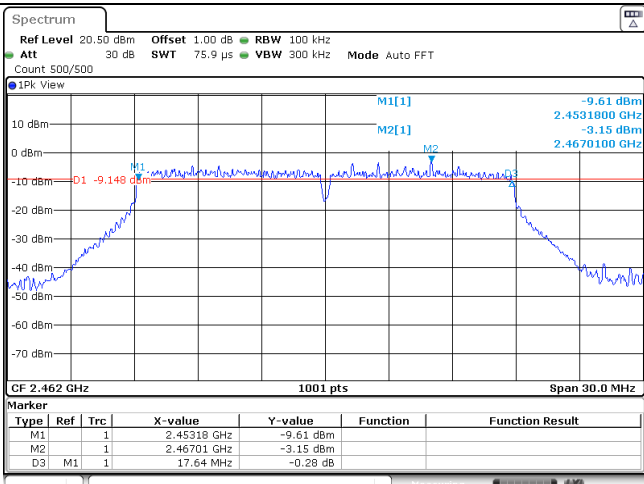
Type:		802.11n(HT40)
CH03	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 442.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -11.15 dBm 2.4107770 GHz</p> <p>CF 2.422 GHz 691 pts Span 55.0 MHz</p> <p>Date: 14 OCT 2021 09:43:12</p>	
CH06	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 442.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -11.05 dBm 2.4507700 GHz</p> <p>CF 2.437 GHz 691 pts Span 55.0 MHz</p> <p>Date: 14 OCT 2021 09:40:39</p>	
CH09	 <p>Spectrum</p> <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWT 442.4 μs VBW 100 kHz Mode Auto FFT Count 100/100</p> <p>IPK Max</p> <p>M1[1] -10.31 dBm 2.4576510 GHz</p> <p>CF 2.452 GHz 691 pts Span 55.0 MHz</p> <p>Date: 14 OCT 2021 09:35:49</p>	

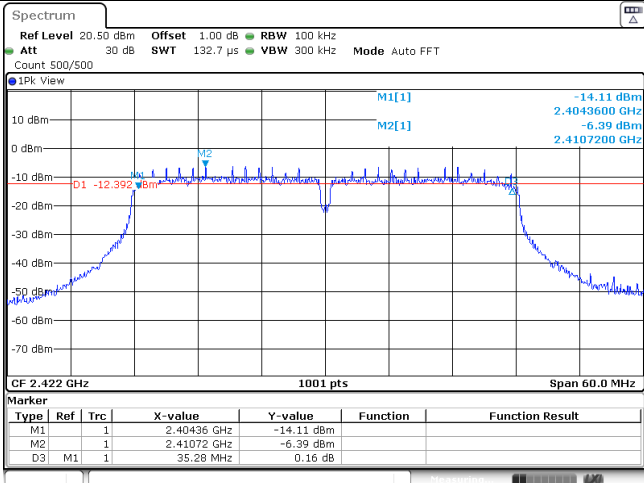
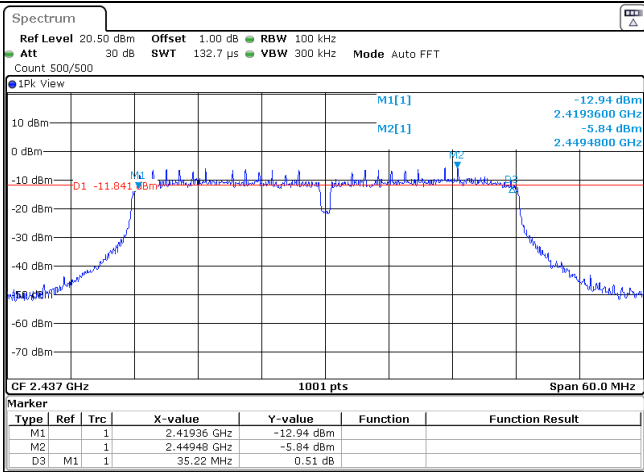
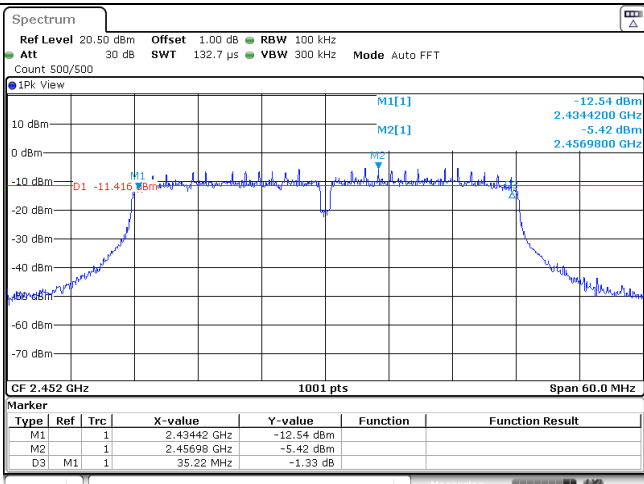
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	8.61	≥0.5	Pass
	06	8.16		
	11	8.61		
802.11g	01	16.38	≥0.5	Pass
	06	16.41		
	11	16.38		
802.11n(HT20)	01	17.70	≥0.5	Pass
	06	17.64		
	11	17.64		
802.11n(HT40)	03	35.28	≥0.5	Pass
	06	35.22		
	09	35.22		

Type:	802.11 b																												
CH01	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>CF 2.412 GHz 1001 pts 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></td> <td>1</td> <td>2.40792 GHz</td> <td>-2.63 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.41149 GHz</td> <td>5.35 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>8.61 MHz</td> <td>1.95 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 13 OCT 2021 17:02:18</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.40792 GHz	-2.63 dBm			M2		1	2.41149 GHz	5.35 dBm			D3	M1	1	8.61 MHz	1.95 dB		
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Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
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D3	M1	1	17.64 MHz	-0.28 dB																									

Type:	802.11n(HT40)																												
CH03	 <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 132.7 μs VBW 300 kHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>CF 2.422 GHz 1001 pts Span 60.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.40435 GHz</td> <td>-14.11 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.41072 GHz</td> <td>-6.39 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>35.28 MHz</td> <td>0.16 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14 OCT 2021 09:42:19</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.40435 GHz	-14.11 dBm			M2		1	2.41072 GHz	-6.39 dBm			D3	M1	1	35.28 MHz	0.16 dB		
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M2		1	2.41072 GHz	-6.39 dBm																									
D3	M1	1	35.28 MHz	0.16 dB																									
CH06	 <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 132.7 μs VBW 300 kHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>CF 2.437 GHz 1001 pts Span 60.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.41935 GHz</td> <td>-12.94 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.44948 GHz</td> <td>-5.84 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>35.22 MHz</td> <td>0.51 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14 OCT 2021 09:39:46</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.41935 GHz	-12.94 dBm			M2		1	2.44948 GHz	-5.84 dBm			D3	M1	1	35.22 MHz	0.51 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1		1	2.41935 GHz	-12.94 dBm																									
M2		1	2.44948 GHz	-5.84 dBm																									
D3	M1	1	35.22 MHz	0.51 dB																									
CH09	 <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 132.7 μs VBW 300 kHz Mode Auto FFT Count 500/500</p> <p>IPK View</p> <p>CF 2.452 GHz 1001 pts Span 60.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.43442 GHz</td> <td>-12.54 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.45698 GHz</td> <td>-5.42 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>35.22 MHz</td> <td>-1.33 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14 OCT 2021 09:34:53</p>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1		1	2.43442 GHz	-12.54 dBm			M2		1	2.45698 GHz	-5.42 dBm			D3	M1	1	35.22 MHz	-1.33 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
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M2		1	2.45698 GHz	-5.42 dBm																									
D3	M1	1	35.22 MHz	-1.33 dB																									

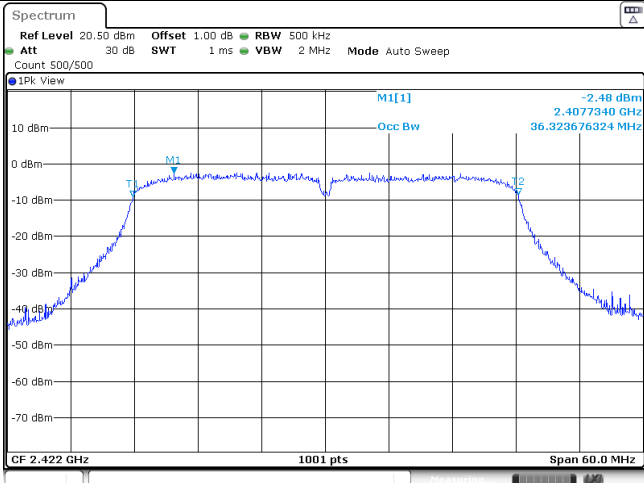
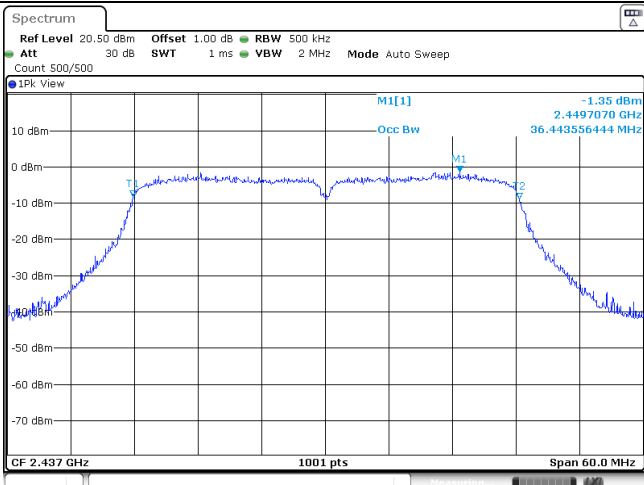
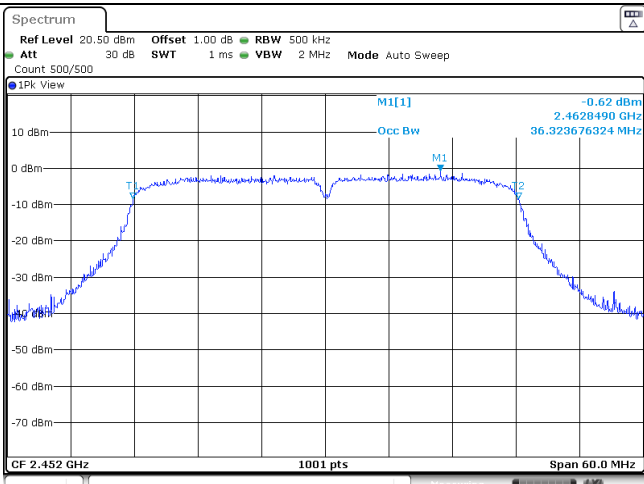
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	13.19	-	Pass
	06	13.31		
	11	13.31		
802.11g	01	16.84	-	Pass
	06	17.02		
	11	16.78		
802.11n(HT20)	01	17.98	-	Pass
	06	18.19		
	11	18.07		
802.11n(HT40)	03	36.32	-	Pass
	06	36.44		
	09	36.32		

Type:		802.11 b
CH01	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 IPK View 5.99 dBm 2.4114910 GHz 13.186813187 MHz CF 2.412 GHz 1001 pts Span 30.0 MHz Date: 13 OCT 2021 17:02:25</p>	
CH06	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 IPK View 6.12 dBm 2.4364910 GHz 13.306693307 MHz CF 2.437 GHz 1001 pts Span 30.0 MHz Date: 13 OCT 2021 17:00:08</p>	
CH11	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 IPK View 6.73 dBm 2.4614910 GHz 13.306693307 MHz CF 2.462 GHz 1001 pts Span 30.0 MHz Date: 13 OCT 2021 16:57:24</p>	

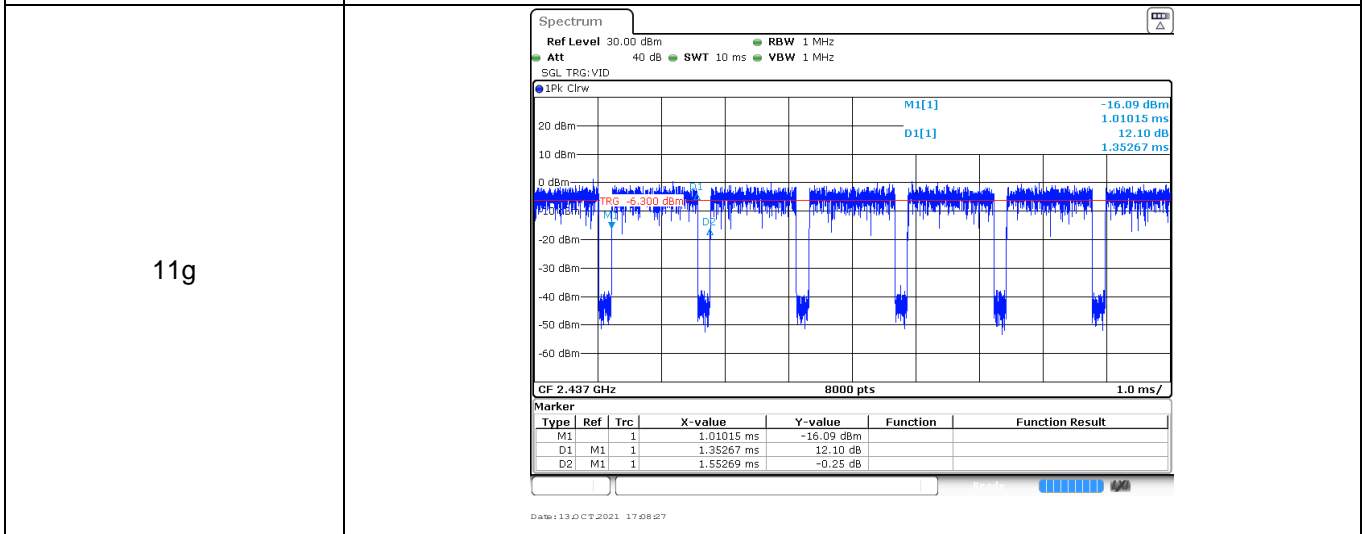
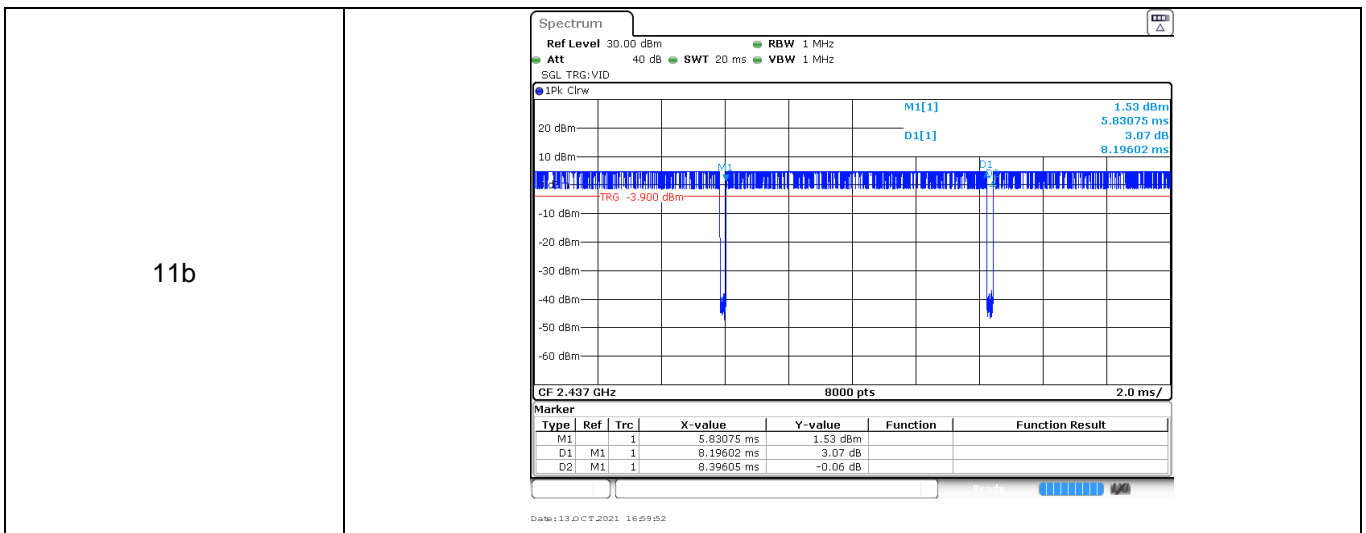
Type:		802.11 g
CH01		<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 IPK View M1[1] -0.26 dBm 2.4105010 GHz Occ Bw 16.843156843 MHz CF 2.412 GHz 1001 pts Span 30.0 MHz Date: 13 OCT 2021 17:10:54 </p>
CH06		<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 IPK View M1[1] -0.18 dBm 2.4429940 GHz Occ Bw 17.022977023 MHz CF 2.437 GHz 1001 pts Span 30.0 MHz Date: 13 OCT 2021 17:08:44 </p>
CH11		<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 IPK View M1[1] 0.83 dBm 2.4560060 GHz Occ Bw 16.783216783 MHz CF 2.462 GHz 1001 pts Span 30.0 MHz Date: 13 OCT 2021 17:06:13 </p>

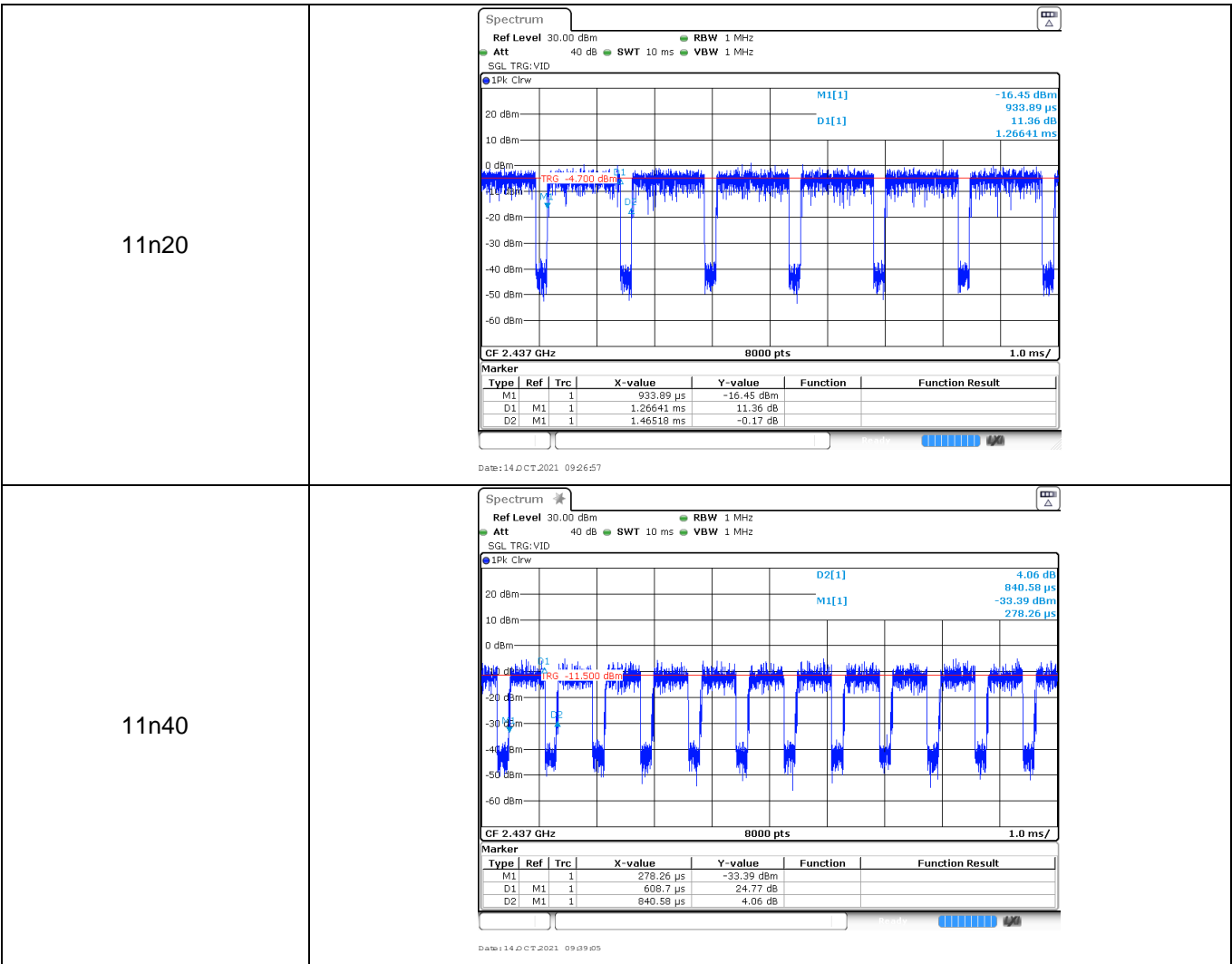
Type:		802.11n(HT20)
CH01		<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 IPK View M1[1] -1.59 dBm 2.4096320 GHz Occ Bw 17.982017982 MHz CF 2.412 GHz 1001 pts Span 30.0 MHz Date: 14.OCT.2021 09:31:03 </p>
CH06		<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 IPK View M1[1] -0.69 dBm 2.4411360 GHz Occ Bw 18.191808192 MHz CF 2.437 GHz 1001 pts Span 30.0 MHz Date: 14.OCT.2021 09:27:13 </p>
CH11		<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 IPK View M1[1] -0.11 dBm 2.455260 GHz Occ Bw 18.071928072 MHz CF 2.462 GHz 1001 pts Span 30.0 MHz Date: 14.OCT.2021 09:23:55 </p>

Type:		802.11n(HT40)
CH03	 <p>Spectrum plot for CH03. The plot shows a signal centered at 2.4077340 GHz with a peak level of -2.48 dBm. The plot includes parameters: Ref Level 20.50 dBm, Att 30 dB, Offset 1.00 dB, RBW 500 kHz, Count 500/500, Mode Auto Sweep, Span 60.0 MHz, and CF 2.422 GHz. The plot also shows a noise floor around -40 dBm and a bandwidth of 20 MHz.</p>	
CH06	 <p>Spectrum plot for CH06. The plot shows a signal centered at 2.4497070 GHz with a peak level of -1.35 dBm. The plot includes parameters: Ref Level 20.50 dBm, Att 30 dB, Offset 1.00 dB, RBW 500 kHz, Count 500/500, Mode Auto Sweep, Span 60.0 MHz, and CF 2.437 GHz. The plot also shows a noise floor around -40 dBm and a bandwidth of 20 MHz.</p>	
CH09	 <p>Spectrum plot for CH09. The plot shows a signal centered at 2.4629490 GHz with a peak level of -0.62 dBm. The plot includes parameters: Ref Level 20.50 dBm, Att 30 dB, Offset 1.00 dB, RBW 500 kHz, Count 500/500, Mode Auto Sweep, Span 60.0 MHz, and CF 2.452 GHz. The plot also shows a noise floor around -40 dBm and a bandwidth of 20 MHz.</p>	



Appendix E: Duty Cycle

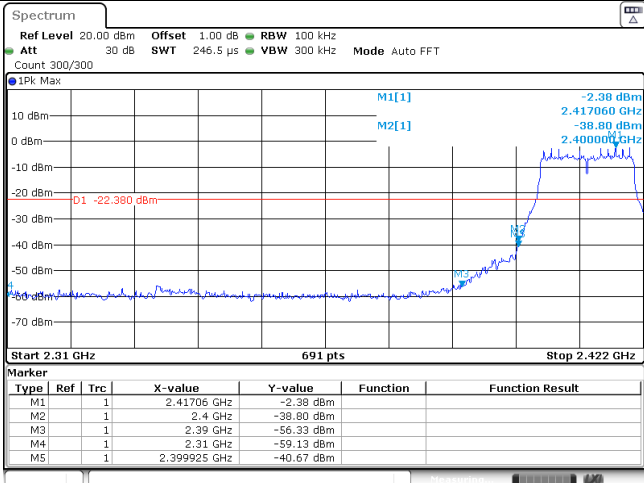
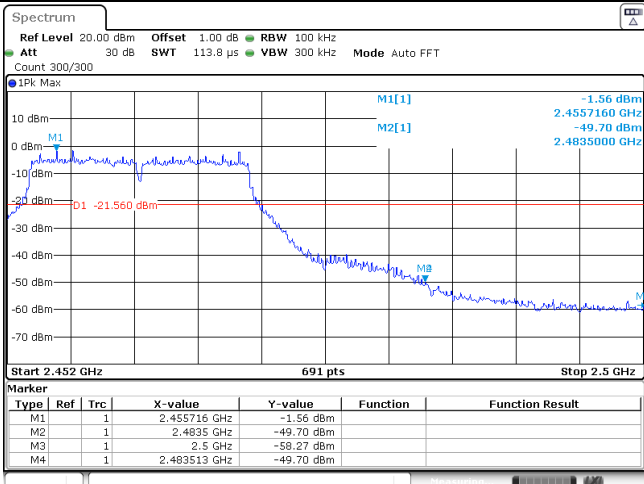
Modulation Type	Test Frequency (MHz)	T _{on time} for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on time} (kHz)
11b	2437	8.20	8.40	97.6%	0.1
11g	2437	1.35	1.55	87.1%	0.7
11n20	2437	1.27	1.47	86.4%	0.8
11n40	2437	0.61	0.84	72.6%	1.6

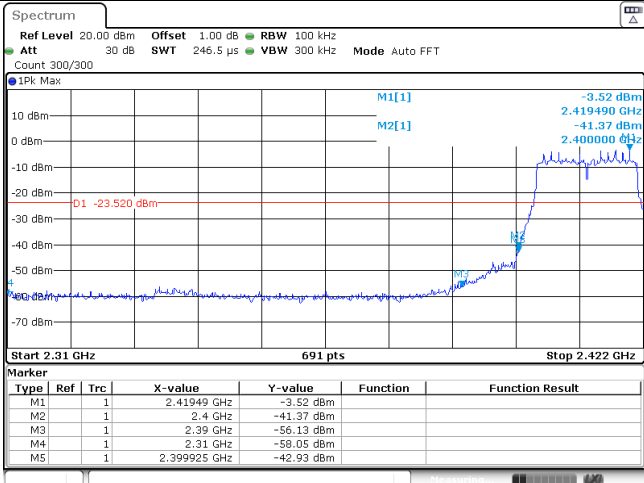
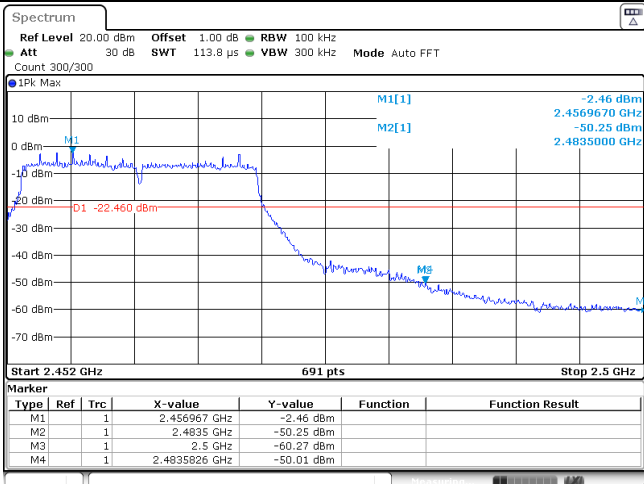


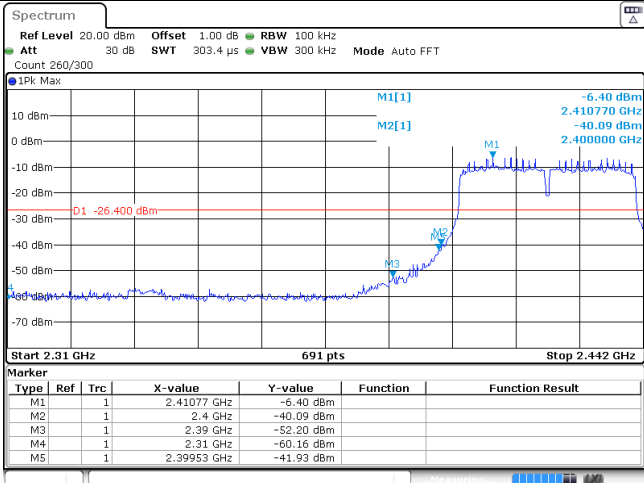
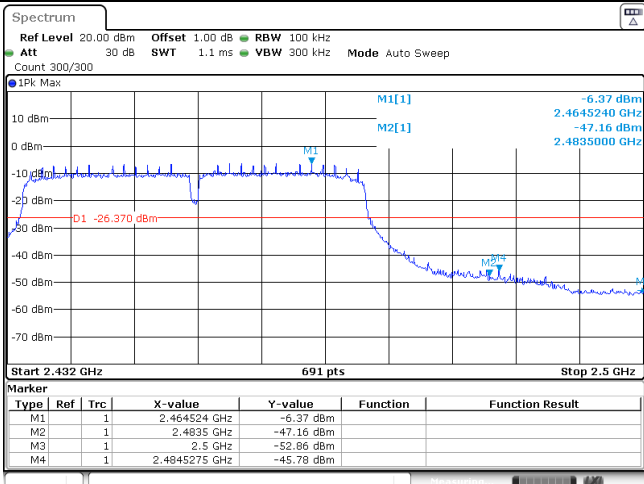


Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Bandedge	Type:	802.11 b																																																
CH01	 <p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 246.5 μs VBW 300 kHz Mode Auto FFT Count 300/300</p> <p>1Pk Max</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1[1] 5.86 dBm M2[1] 2.411550 GHz M3 2.39749 GHz M4 2.31 GHz M5 2.4 GHz</p> <p>D1 -14.140 dBm</p> <p>Start 2.31 GHz 691 pts Stop 2.422 GHz</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td></td> <td>1</td> <td>2.41155 GHz</td> <td>5.86 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td></td> <td>1</td> <td>2.4 GHz</td> <td>-47.23 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td></td> <td></td> <td>1</td> <td>2.39749 GHz</td> <td>-57.84 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td></td> <td></td> <td>1</td> <td>2.31 GHz</td> <td>-58.75 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td></td> <td></td> <td>1</td> <td>2.39749 GHz</td> <td>-43.65 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 13 OCT 2021 17:03:28</p>			Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1			1	2.41155 GHz	5.86 dBm			M2			1	2.4 GHz	-47.23 dBm			M3			1	2.39749 GHz	-57.84 dBm			M4			1	2.31 GHz	-58.75 dBm			M5			1	2.39749 GHz	-43.65 dBm		
Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result																																												
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M5			1	2.39749 GHz	-43.65 dBm																																														
CH11	 <p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 113.8 μs VBW 300 kHz Mode Auto FFT Count 300/300</p> <p>1Pk Max</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1[1] 6.42 dBm M2[1] 2.4614820 GHz M3 2.4835 GHz M4 2.4835000 GHz</p> <p>D1 -13.580 dBm</p> <p>Start 2.452 GHz 691 pts Stop 2.5 GHz</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td></td> <td>1</td> <td>2.461482 GHz</td> <td>6.42 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td></td> <td>1</td> <td>2.4835 GHz</td> <td>-55.27 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td></td> <td></td> <td>1</td> <td>2.5 GHz</td> <td>-58.84 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td></td> <td></td> <td>1</td> <td>2.4835000 GHz</td> <td>-53.84 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 13 OCT 2021 16:58:34</p>			Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1			1	2.461482 GHz	6.42 dBm			M2			1	2.4835 GHz	-55.27 dBm			M3			1	2.5 GHz	-58.84 dBm			M4			1	2.4835000 GHz	-53.84 dBm										
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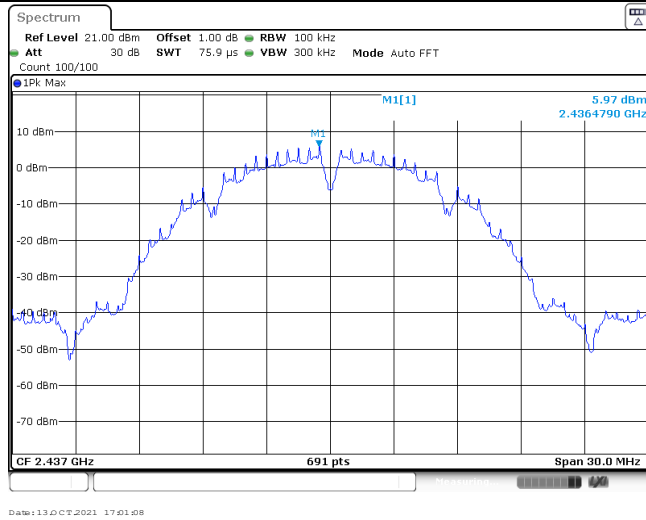
Test Item:	Bandedge	Type:	802.11 g																																										
CH01	 <p>Marker Table for CH01:</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td>1</td> <td>2.41706 GHz</td> <td>-2.38 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td>2.4 GHz</td> <td>-38.80 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td>2.39 GHz</td> <td>-56.33 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td>2.31 GHz</td> <td>-59.13 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td>1</td> <td>2.399925 GHz</td> <td>-40.67 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 13 OCT 2021 17:11:53</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1	2.41706 GHz	-2.38 dBm			M2	1	1	2.4 GHz	-38.80 dBm			M3	1	1	2.39 GHz	-56.33 dBm			M4	1	1	2.31 GHz	-59.13 dBm			M5	1	1	2.399925 GHz	-40.67 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
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CH11	 <p>Marker Table for CH11:</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>1</td> <td>2.455716 GHz</td> <td>-1.56 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td>2.4835 GHz</td> <td>-49.70 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td>2.5 GHz</td> <td>-58.27 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td>2.483513 GHz</td> <td>-49.70 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 13 OCT 2021 17:07:12</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1	2.455716 GHz	-1.56 dBm			M2	1	1	2.4835 GHz	-49.70 dBm			M3	1	1	2.5 GHz	-58.27 dBm			M4	1	1	2.483513 GHz	-49.70 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
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M2	1	1	2.4835 GHz	-49.70 dBm																																									
M3	1	1	2.5 GHz	-58.27 dBm																																									
M4	1	1	2.483513 GHz	-49.70 dBm																																									

Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
CH01	 <p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 246.5 μs VBW 300 kHz Mode Auto FFT Count 300/300</p> <p>1PK Max</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1[1] -9.52 dBm 2.419490 GHz M2[1] -41.37 dBm 2.400000 GHz</p> <p>D1 -23.520 dBm</p> <p>Start 2.31 GHz 691 pts Stop 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>1</td> <td>2.41949 GHz</td> <td>-9.52 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td>2.4 GHz</td> <td>-41.37 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td>2.39 GHz</td> <td>-56.13 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td>2.31 GHz</td> <td>-58.05 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td>1</td> <td>2.399925 GHz</td> <td>-42.93 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14 OCT 2021 09:32:08</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1	2.41949 GHz	-9.52 dBm			M2	1	1	2.4 GHz	-41.37 dBm			M3	1	1	2.39 GHz	-56.13 dBm			M4	1	1	2.31 GHz	-58.05 dBm			M5	1	1	2.399925 GHz	-42.93 dBm		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
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M2	1	1	2.4 GHz	-41.37 dBm																																									
M3	1	1	2.39 GHz	-56.13 dBm																																									
M4	1	1	2.31 GHz	-58.05 dBm																																									
M5	1	1	2.399925 GHz	-42.93 dBm																																									
CH11	 <p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 113.8 μs VBW 300 kHz Mode Auto FFT Count 300/300</p> <p>1PK Max</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1[1] -2.46 dBm 2.4569670 GHz M2[1] -50.25 dBm 2.4835000 GHz</p> <p>D1 -22.460 dBm</p> <p>Start 2.452 GHz 691 pts Stop 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>1</td> <td>2.456967 GHz</td> <td>-2.46 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td>2.4835 GHz</td> <td>-50.25 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td>2.5 GHz</td> <td>-60.27 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td>2.4835826 GHz</td> <td>-50.01 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14 OCT 2021 09:25:02</p>			Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1	2.456967 GHz	-2.46 dBm			M2	1	1	2.4835 GHz	-50.25 dBm			M3	1	1	2.5 GHz	-60.27 dBm			M4	1	1	2.4835826 GHz	-50.01 dBm									
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																							
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M3	1	1	2.5 GHz	-60.27 dBm																																									
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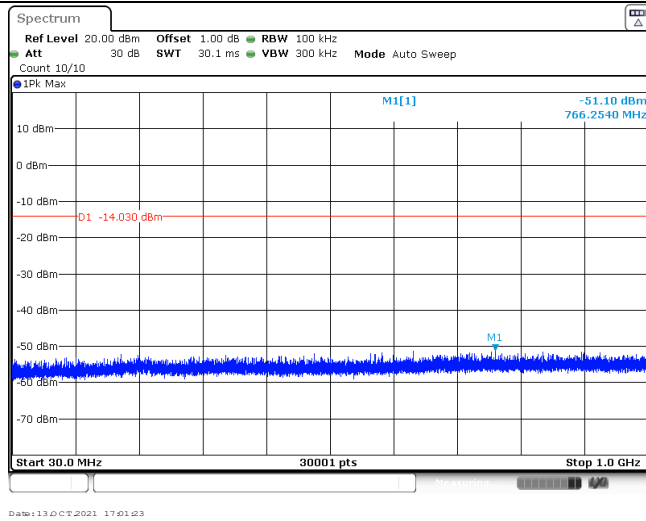
Test Item:	Bandedge	Type:	802.11 n(HT40)																																																
CH03	 <p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 303.4 μs VBW 300 kHz Mode Auto FFT Count 260/300</p> <p>1PK Max</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1[1] -6.40 dBm 2.410770 GHz M2[1] -40.09 dBm 2.400000 GHz M1 -26.400 dBm M3 M4 M5</p> <p>Start 2.31 GHz 691 pts Stop 2.442 GHz</p> <table border="1"> <thead> <tr> <th>Marker</th> <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>1</td> <td></td> <td>2.41077 GHz</td> <td>-6.40 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-40.09 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-52.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-60.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td>1</td> <td></td> <td>2.39953 GHz</td> <td>-41.93 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14 OCT 2021 09:43:21</p>			Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1		2.41077 GHz	-6.40 dBm			M2	1	1		2.4 GHz	-40.09 dBm			M3	1	1		2.39 GHz	-52.20 dBm			M4	1	1		2.31 GHz	-60.16 dBm			M5	1	1		2.39953 GHz	-41.93 dBm		
Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result																																												
M1	1	1		2.41077 GHz	-6.40 dBm																																														
M2	1	1		2.4 GHz	-40.09 dBm																																														
M3	1	1		2.39 GHz	-52.20 dBm																																														
M4	1	1		2.31 GHz	-60.16 dBm																																														
M5	1	1		2.39953 GHz	-41.93 dBm																																														
CH09	 <p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 1.1 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1PK Max</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>M1[1] -6.37 dBm 2.4645240 GHz M2[1] -47.16 dBm 2.4835000 GHz M1 -26.370 dBm M2 M3 M4</p> <p>Start 2.432 GHz 691 pts Stop 2.5 GHz</p> <table border="1"> <thead> <tr> <th>Marker</th> <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>1</td> <td></td> <td>2.464524 GHz</td> <td>-6.37 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-47.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-52.86 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td>1</td> <td></td> <td>2.4845275 GHz</td> <td>-45.78 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 14 OCT 2021 09:05:08</p>			Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1		2.464524 GHz	-6.37 dBm			M2	1	1		2.4835 GHz	-47.16 dBm			M3	1	1		2.5 GHz	-52.86 dBm			M4	1	1		2.4845275 GHz	-45.78 dBm										
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M3	1	1		2.5 GHz	-52.86 dBm																																														
M4	1	1		2.4845275 GHz	-45.78 dBm																																														

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

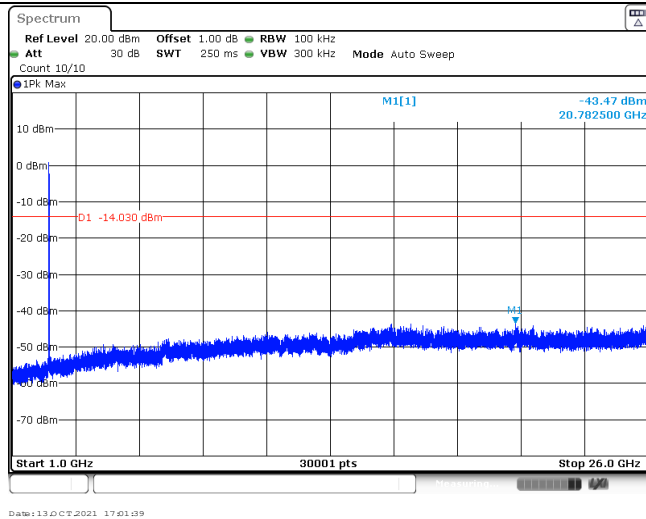
CH06
Reference level



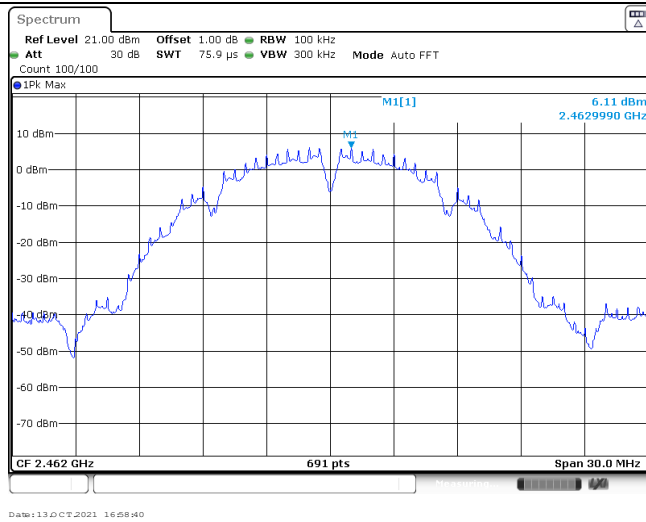
CH06
30MHz~1000MHz



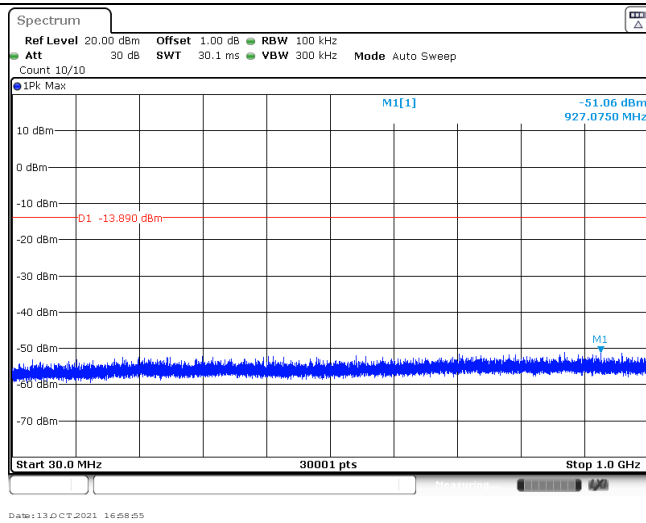
CH06
1GHz~26GHz



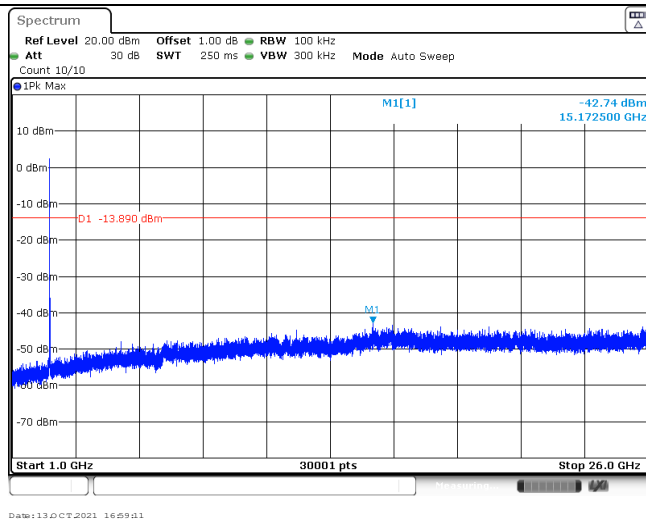
CH11
Reference level

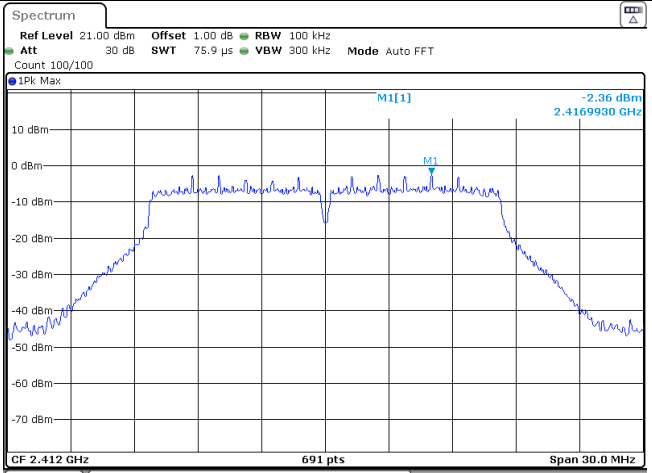
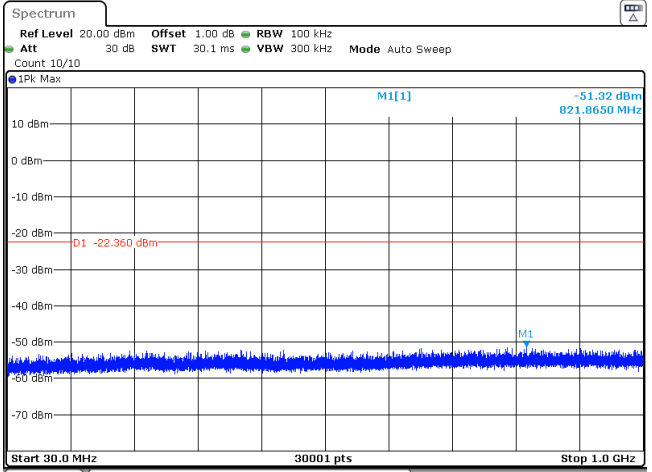
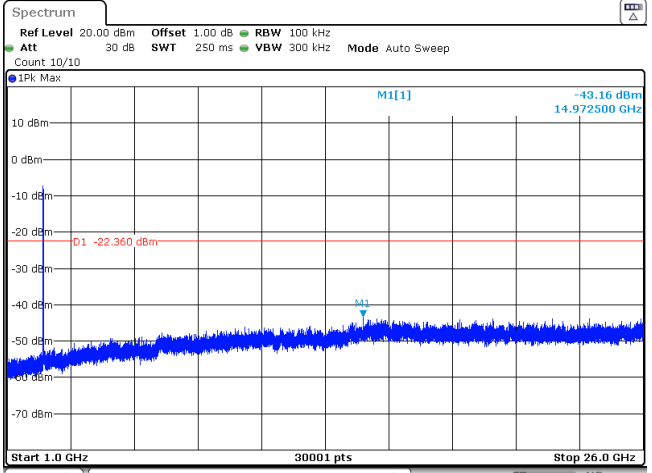


CH11
30MHz~1000MHz



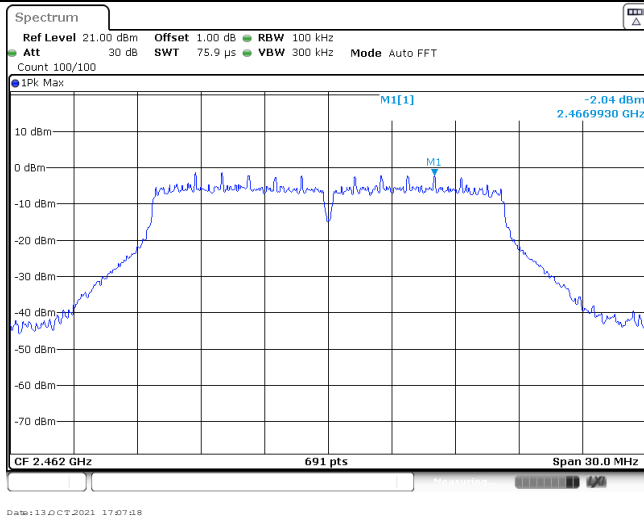
CH11
1GHz~26GHz



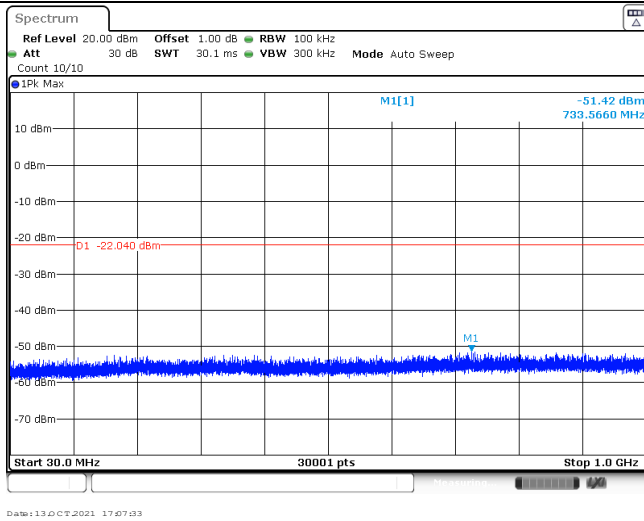
Test Item:	SE	Type:	802.11g
<p>CH01 Reference level</p>		 <p>1Pk Max: -2.36 dBm, 2.4169930 GHz</p> <p>CF 2.412 GHz, 691 pts, Span 30.0 MHz</p> <p>Date: 13 OCT 2021 17:12:01</p>	
<p>CH01 30MHz~1000MHz</p>		 <p>1Pk Max: -51.32 dBm, 821.8650 MHz</p> <p>D1: -22.360 dBm</p> <p>Start 30.0 MHz, 30001 pts, Stop 1.0 GHz</p> <p>Date: 13 OCT 2021 17:12:16</p>	
<p>CH01 1GHz~26GHz</p>		 <p>1Pk Max: -43.16 dBm, 14.972500 GHz</p> <p>D1: -22.360 dBm</p> <p>Start 1.0 GHz, 30001 pts, Stop 26.0 GHz</p> <p>Date: 13 OCT 2021 17:12:32</p>	

<p>CH06 Reference level</p>	<p>Spectrum Ref Level 21.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT Count 100/100 IPK Max M1[1] -2.12 dBm 2.4307480 GHz CF 2.437 GHz 691 pts Span 30.0 MHz Date: 13 OCT 2021 17:09:36</p>
<p>CH06 30MHz~1000MHz</p>	<p>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 IPK Max M1[1] -51.35 dBm 681.3820 MHz D1 -22.120 dBm Start 30.0 MHz 30001 pts Stop 1.0 GHz Date: 13 OCT 2021 17:09:51</p>
<p>CH06 1GHz~26GHz</p>	<p>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 IPK Max M1[1] -42.83 dBm 20.768333 GHz D1 -22.120 dBm Start 1.0 GHz 30001 pts Stop 26.0 GHz Date: 13 OCT 2021 17:09:07</p>

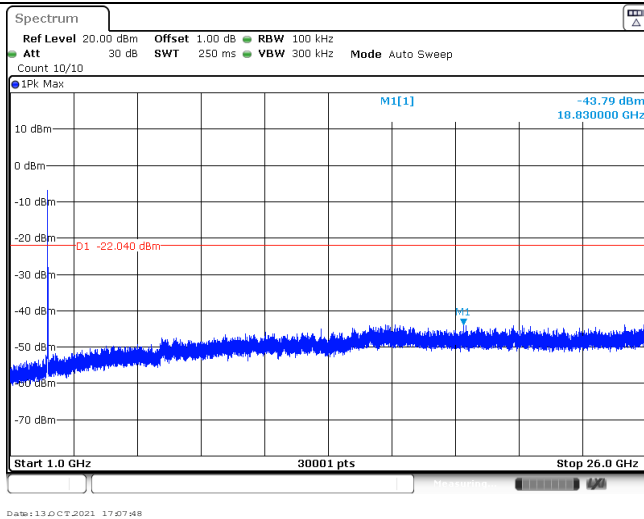
CH11
Reference level

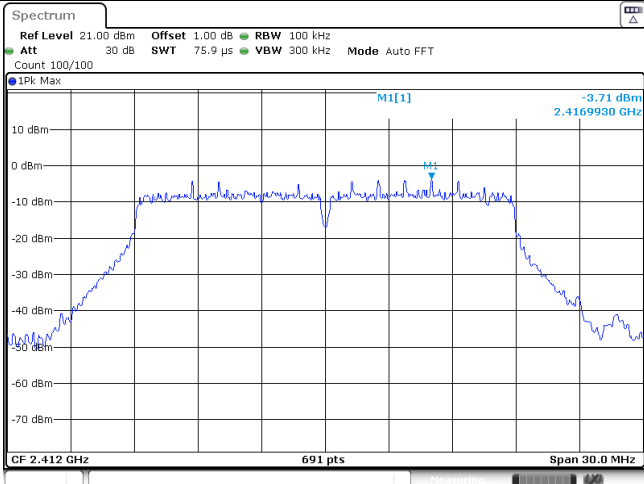
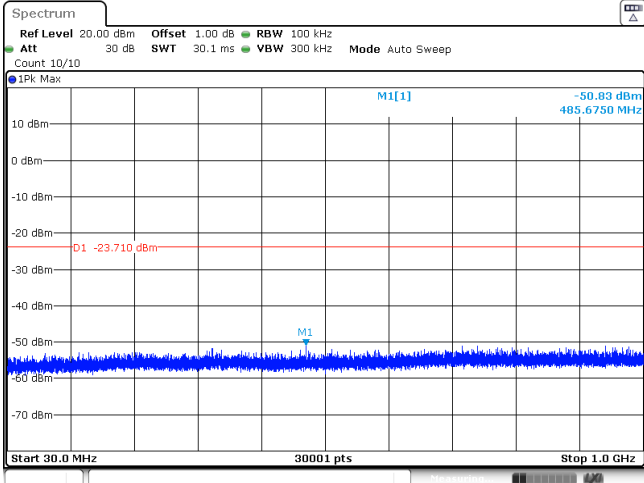
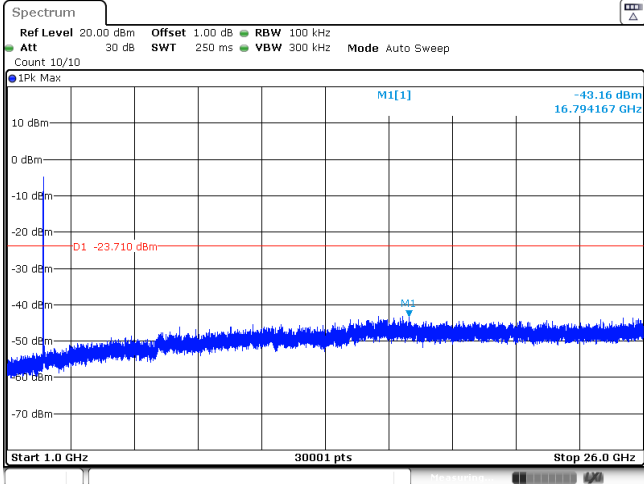


CH11
30MHz~1000MHz

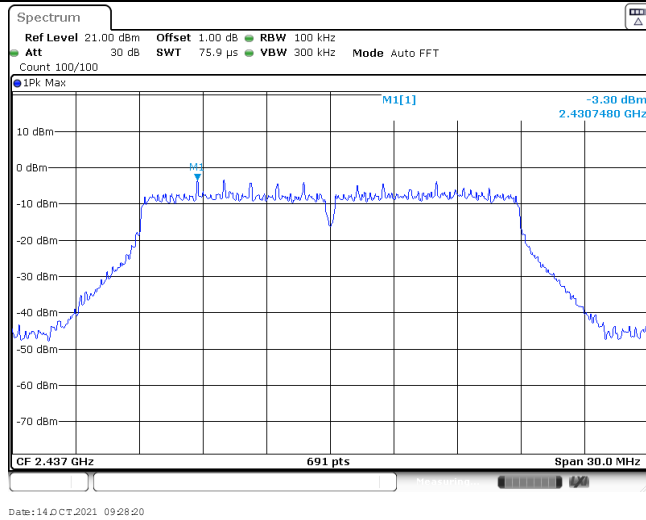


CH11
1GHz~26GHz

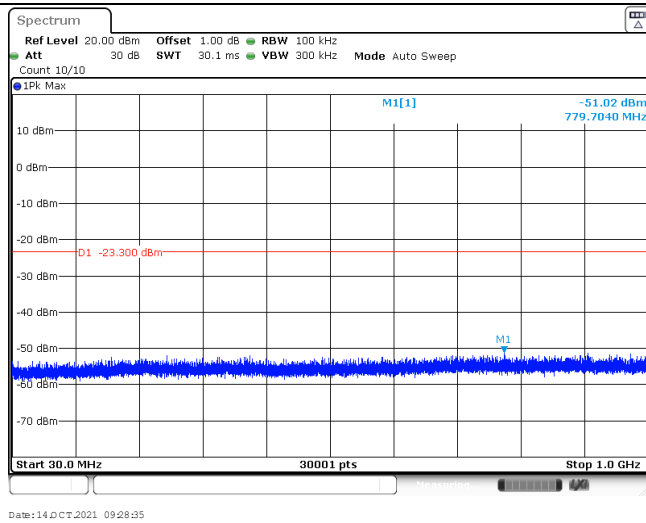


Test Item:	SE	Type:	802.11n(HT20)
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<p>CH01 30MHz~1000MHz</p>			
<p>CH01 1GHz~26GHz</p>			

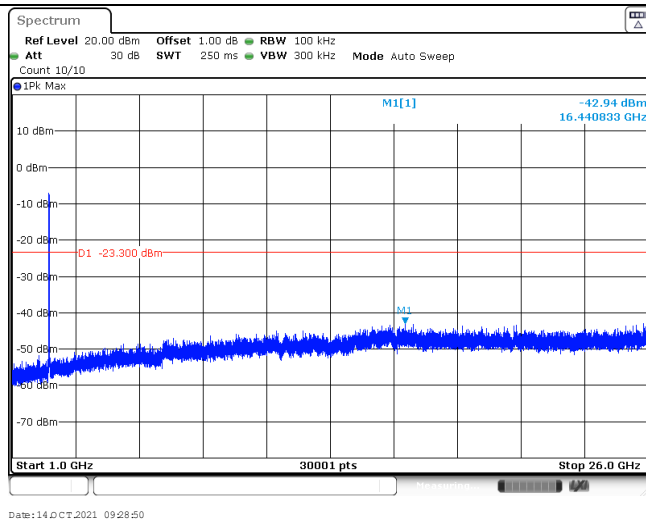
CH06
Reference level



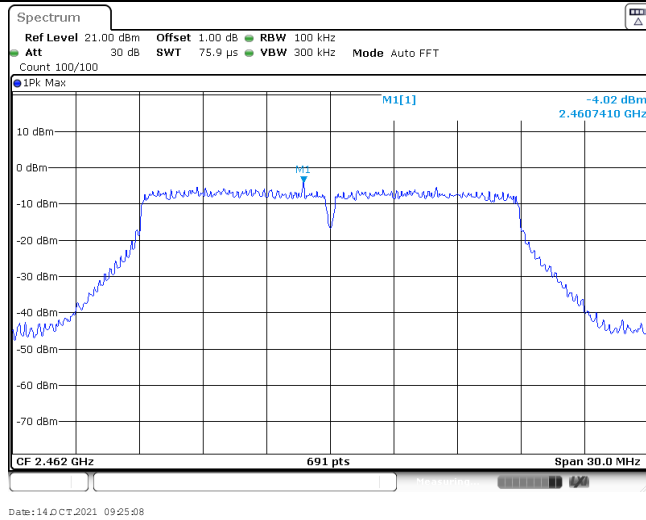
CH06
30MHz~1000MHz



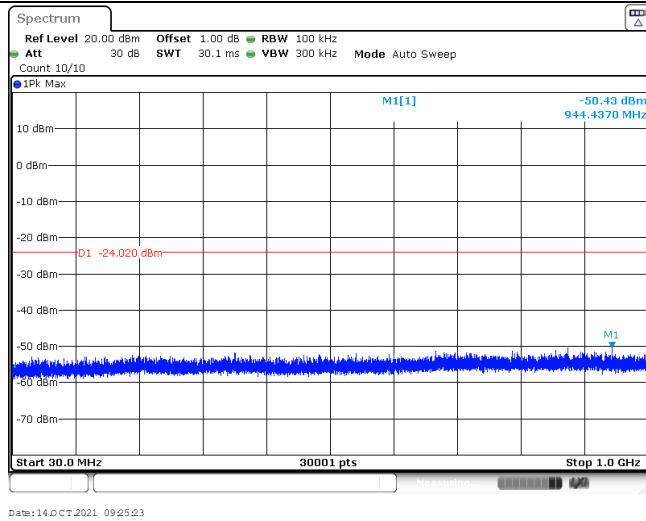
CH06
1GHz~26GHz



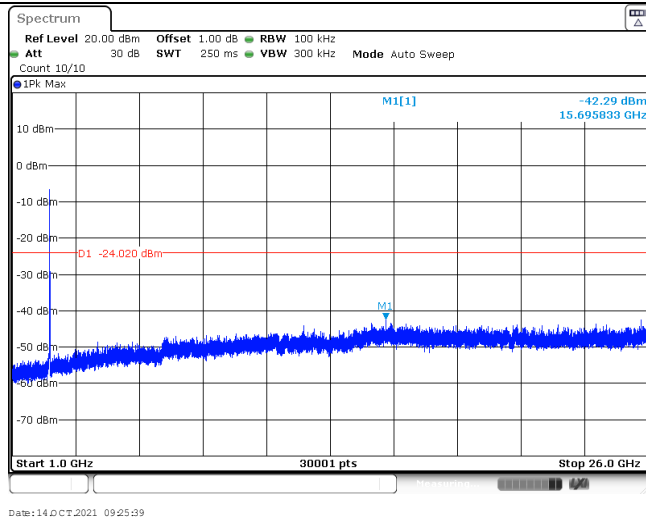
CH11
Reference level

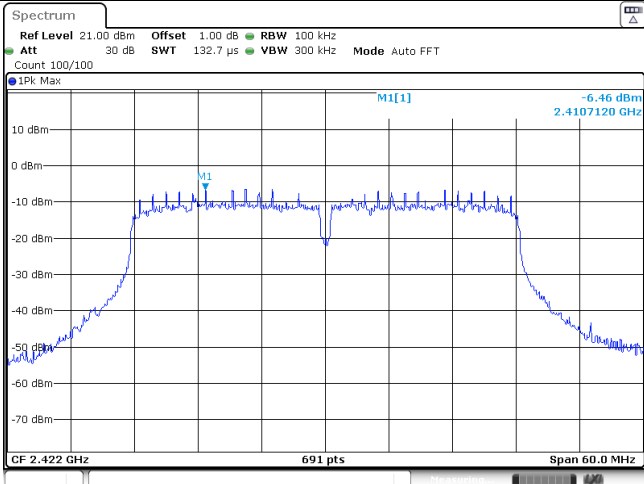
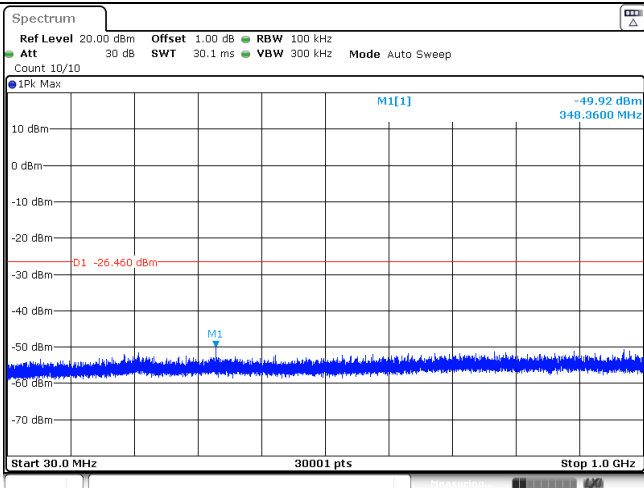
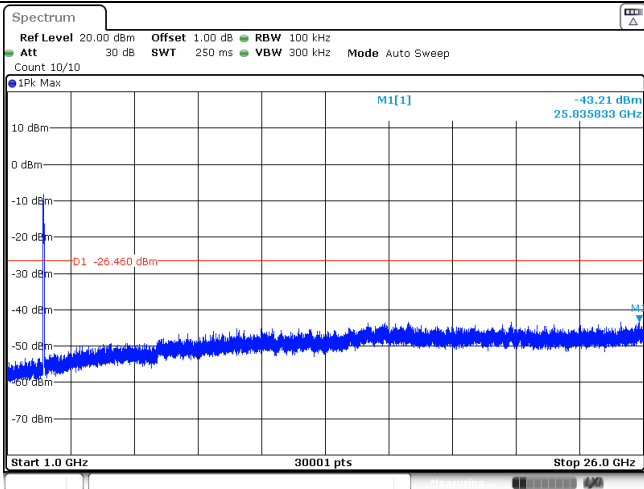


CH11
30MHz~1000MHz

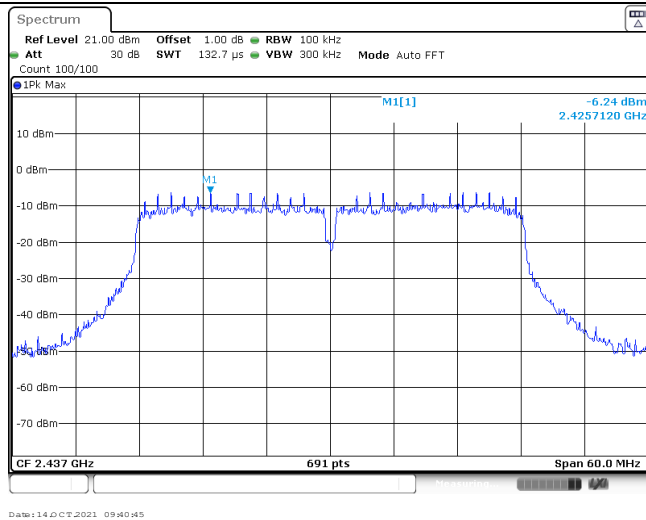


CH11
1GHz~26GHz

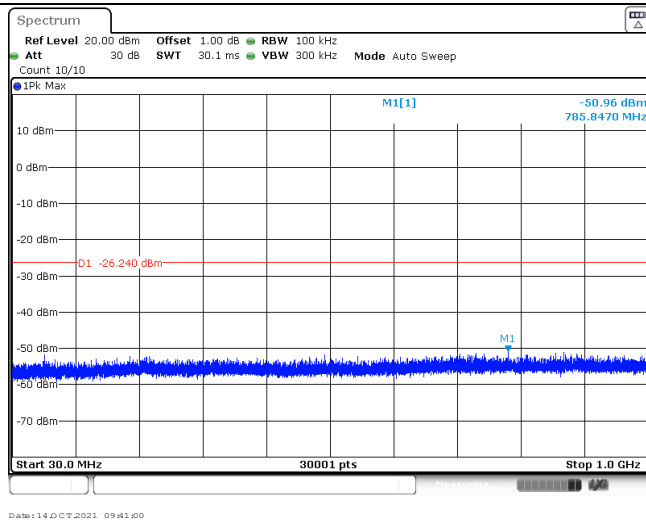


Test Item:	SE	Type:	802.11n(HT40)
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<p>CH03 30MHz~1000MHz</p>			
<p>CH03 1GHz~26GHz</p>			

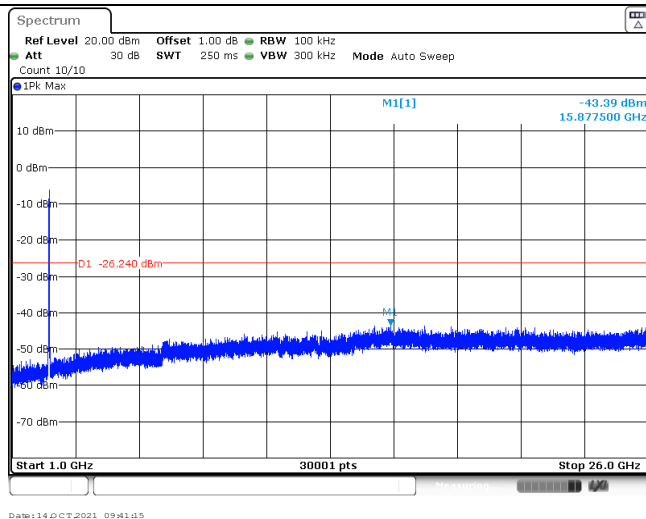
CH06
Reference level



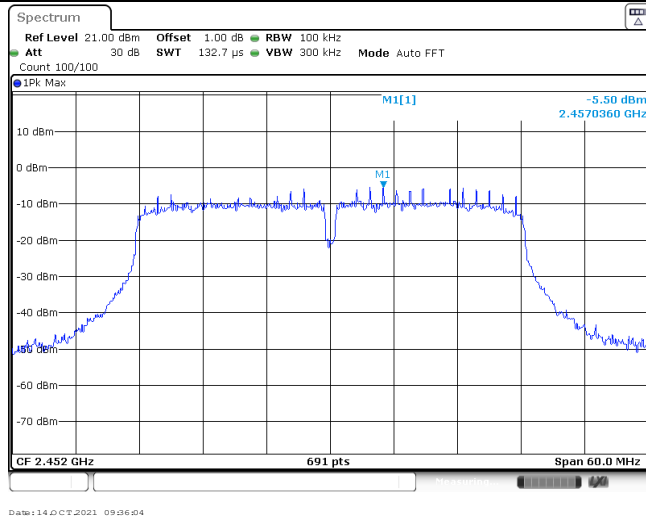
CH06
30MHz~1000MHz



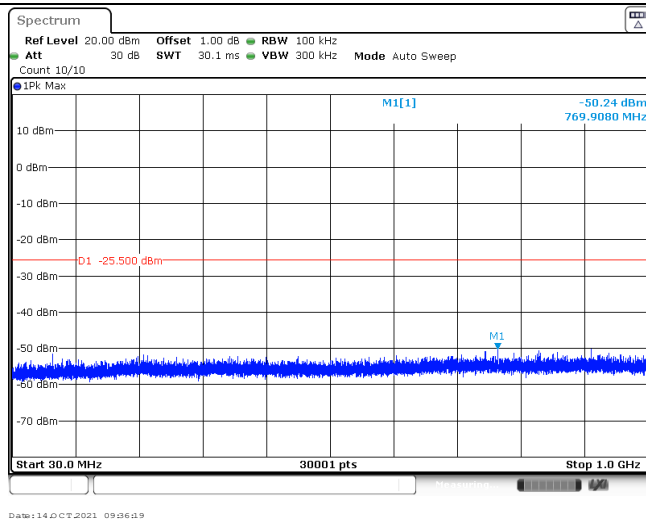
CH06
1GHz~26GHz



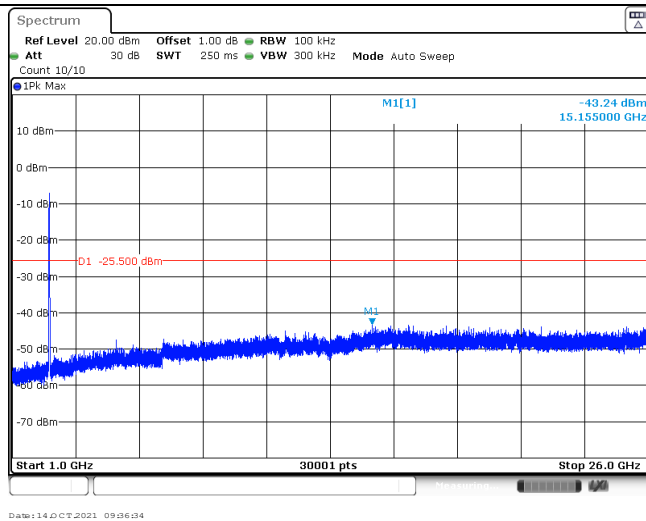
CH09
Reference level



CH09
30MHz~1000MHz



CH09
1GHz~26GHz



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