

APPENDIX REPORT

Project No.	SHT2012124105EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT20121241003	Model No.	M6
Start test date	2021-01-12	Finish date	2021-01-12
Temperature	23.9°C	Humidity	20%
Test Engineer	Hailey Chen	Auditor	Xiaodong Zheo

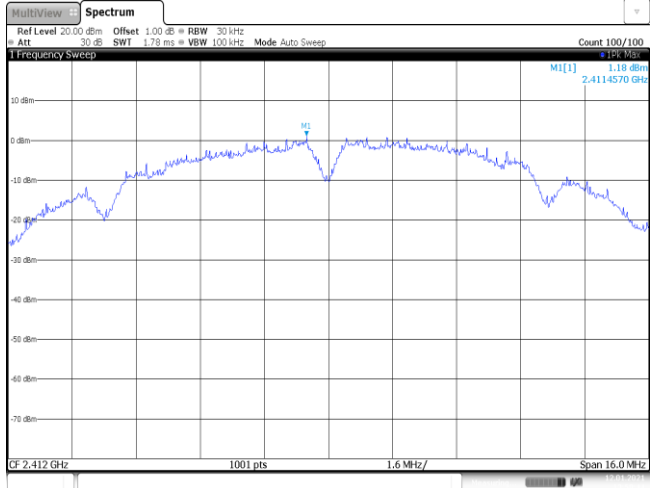
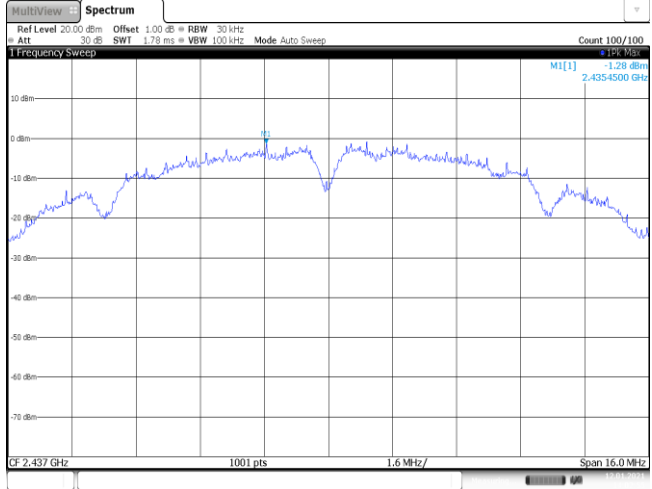
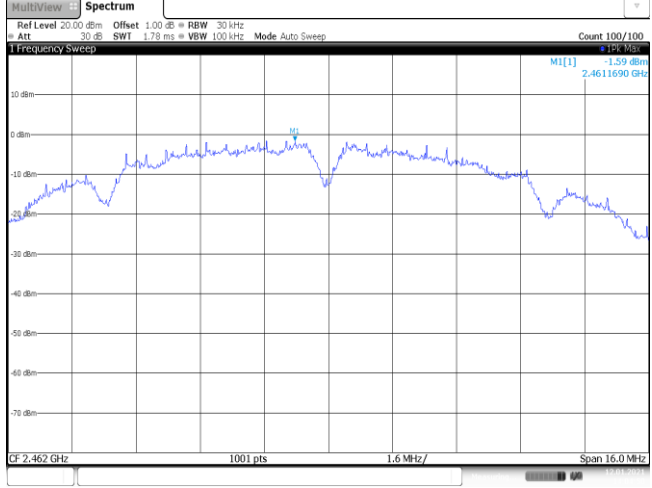
Appendix clause	Test item	Result
A	Conducted Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

Appendix A: Conducted Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	16.23	13.78	≤ 30.00	Pass
	06	14.21	11.75		
	11	14.08	11.61		
802.11g	01	16.19	13.41	≤ 30.00	Pass
	06	14.53	11.95		
	11	14.72	12.10		
802.11n (HT20)	01	16.04	13.37	≤ 30.00	Pass
	06	14.56	11.86		
	11	14.86	12.05		
802.11n(HT40)	03	15.69	12.67	≤ 30.00	Pass
	06	15.53	12.65		
	09	15.40	12.57		

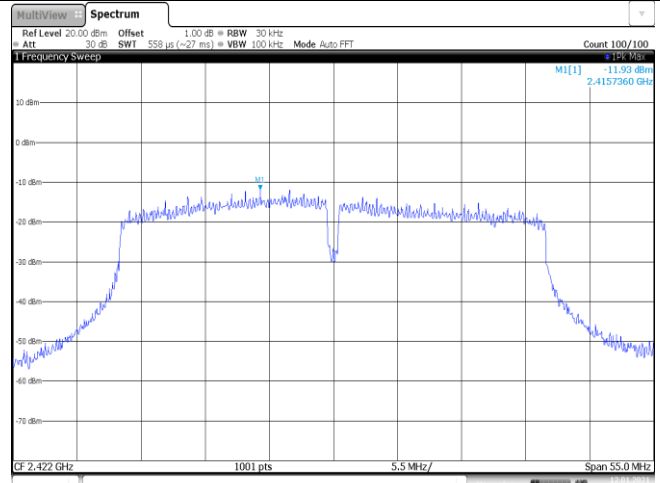
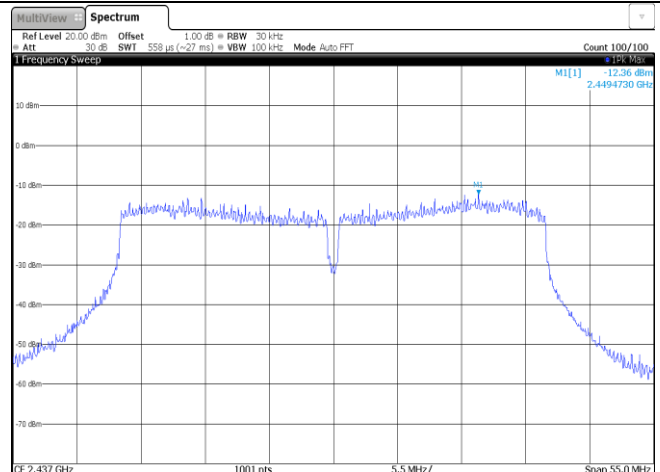
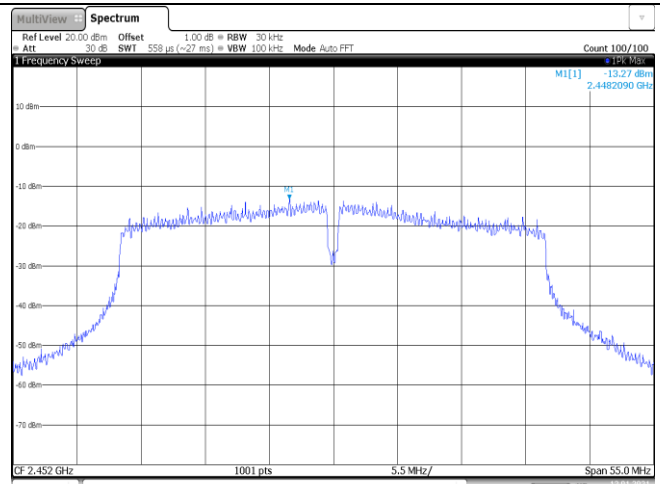
Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	1.18	≤8.00	Pass
	06	-1.28		
	11	-1.59		
802.11g	01	-8.78	≤8.00	Pass
	06	-10.19		
	11	-7.98		
802.11n(HT20)	01	-8.29	≤8.00	Pass
	06	-9.91		
	11	-9.10		
802.11n(HT40)	03	-11.93	≤8.00	Pass
	06	-12.36		
	09	-13.27		

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 Count 100/100 MI[1] 1.18 dBm 2.4114570 GHz CF 2.412 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 12_JUN 2021 13:58:44</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 Count 100/100 MI[1] -1.28 dBm 2.4354500 GHz CF 2.437 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 12_JUN 2021 14:02:65</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 Count 100/100 MI[1] -1.59 dBm 2.4611690 GHz CF 2.462 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 12_JUN 2021 14:04:60</p>	

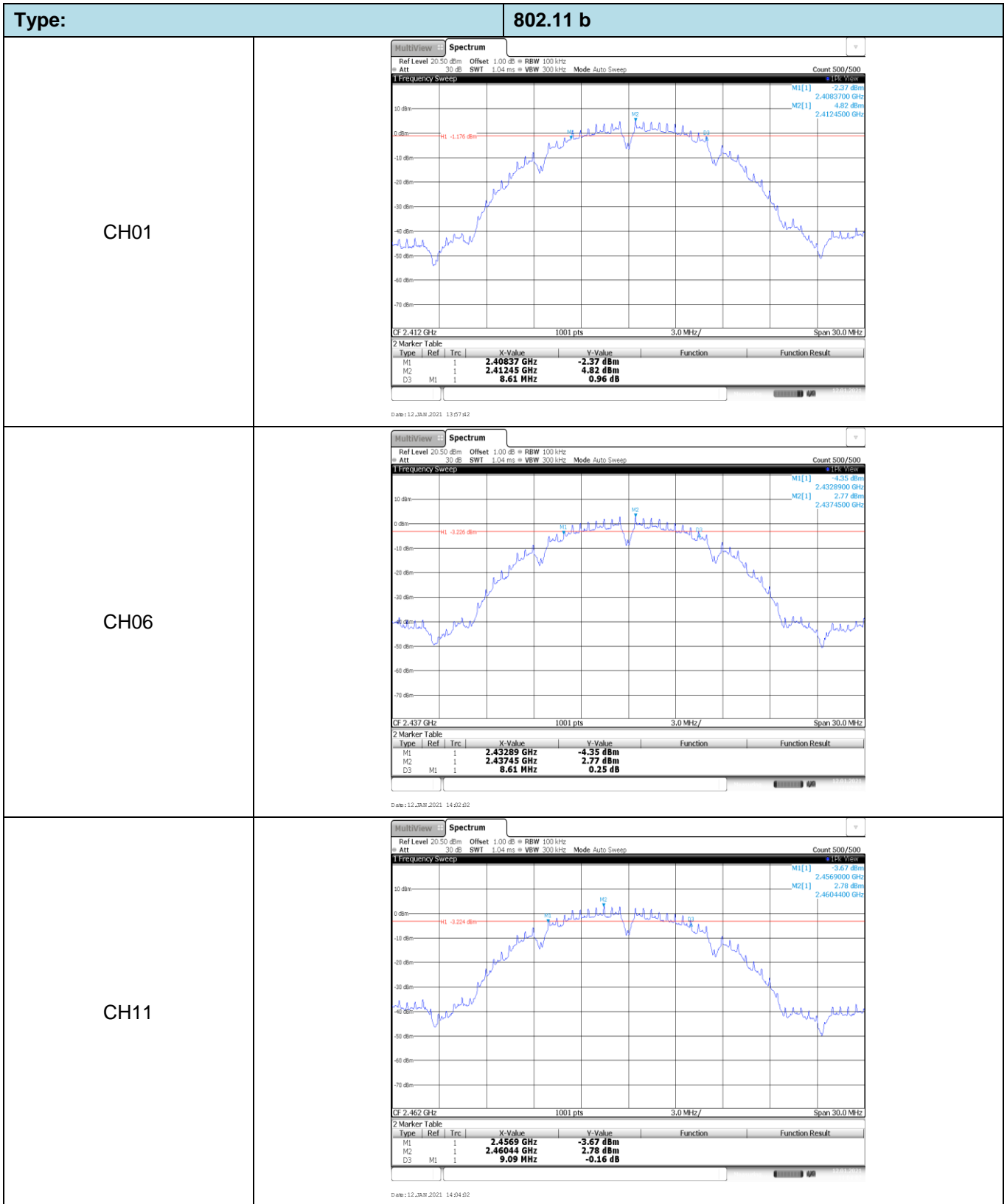
Type:	802.11 g
CH01	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -8.78 dBm 2.4182190 GHz CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 12_JUN 2021 14:13:04 </p>
CH06	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -10.19 dBm 2.4444430 GHz CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 12_JUN 2021 14:17:00 </p>
CH11	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -7.98 dBm 2.4544830 GHz CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 12_JUN 2021 14:20:46 </p>

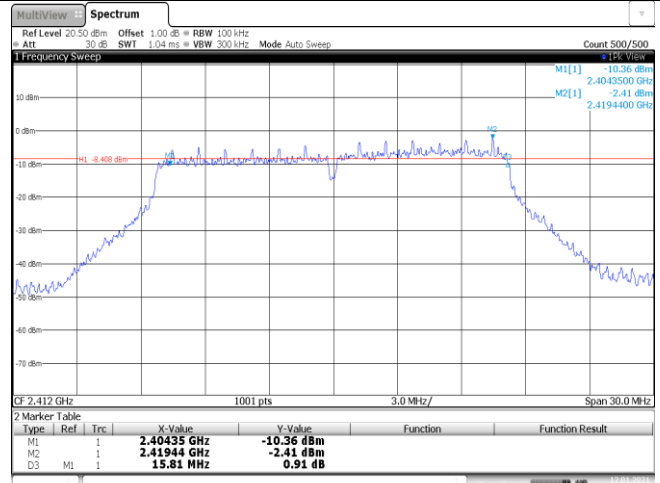
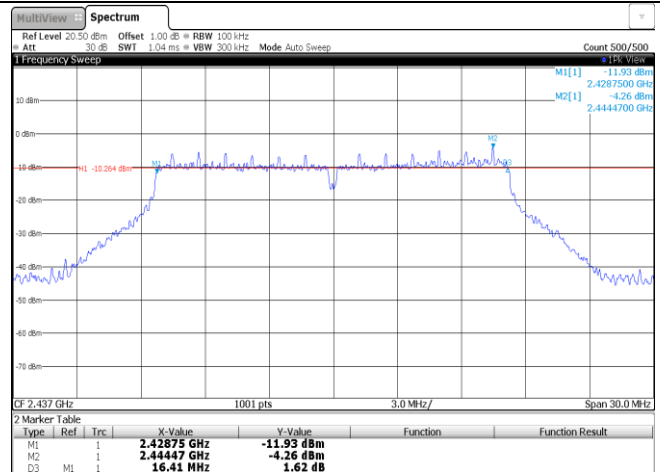
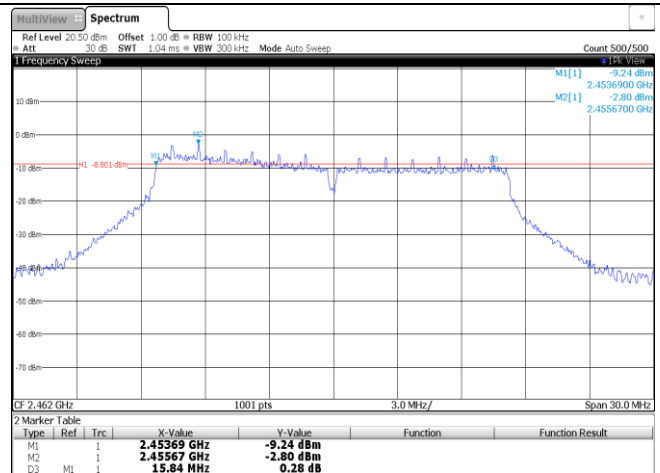
Type:	802.11n(HT20)
CH01	<p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] 8.29 dBm 2.4182440 GHz CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 12_JUN 2021 14:29:44</p>
CH06	<p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -9.91 dBm 2.4444430 GHz CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 12_JUN 2021 14:22:49</p>
CH11	<p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -9.10 dBm 2.4556810 GHz CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 12_JUN 2021 14:25:40</p>

Type:	802.11n(HT40)
CH03	 <p> Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 558 us (~27 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] -11.93 dBm 2.4157360 GHz CF 2.422 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 12_JUN 2021 14:40:06 </p>
CH06	 <p> Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 558 us (~27 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] -12.36 dBm 2.4494730 GHz CF 2.437 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 12_JUN 2021 14:43:61 </p>
CH09	 <p> Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 558 us (~27 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] -13.27 dBm 2.4482090 GHz CF 2.452 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 12_JUN 2021 14:46:09 </p>

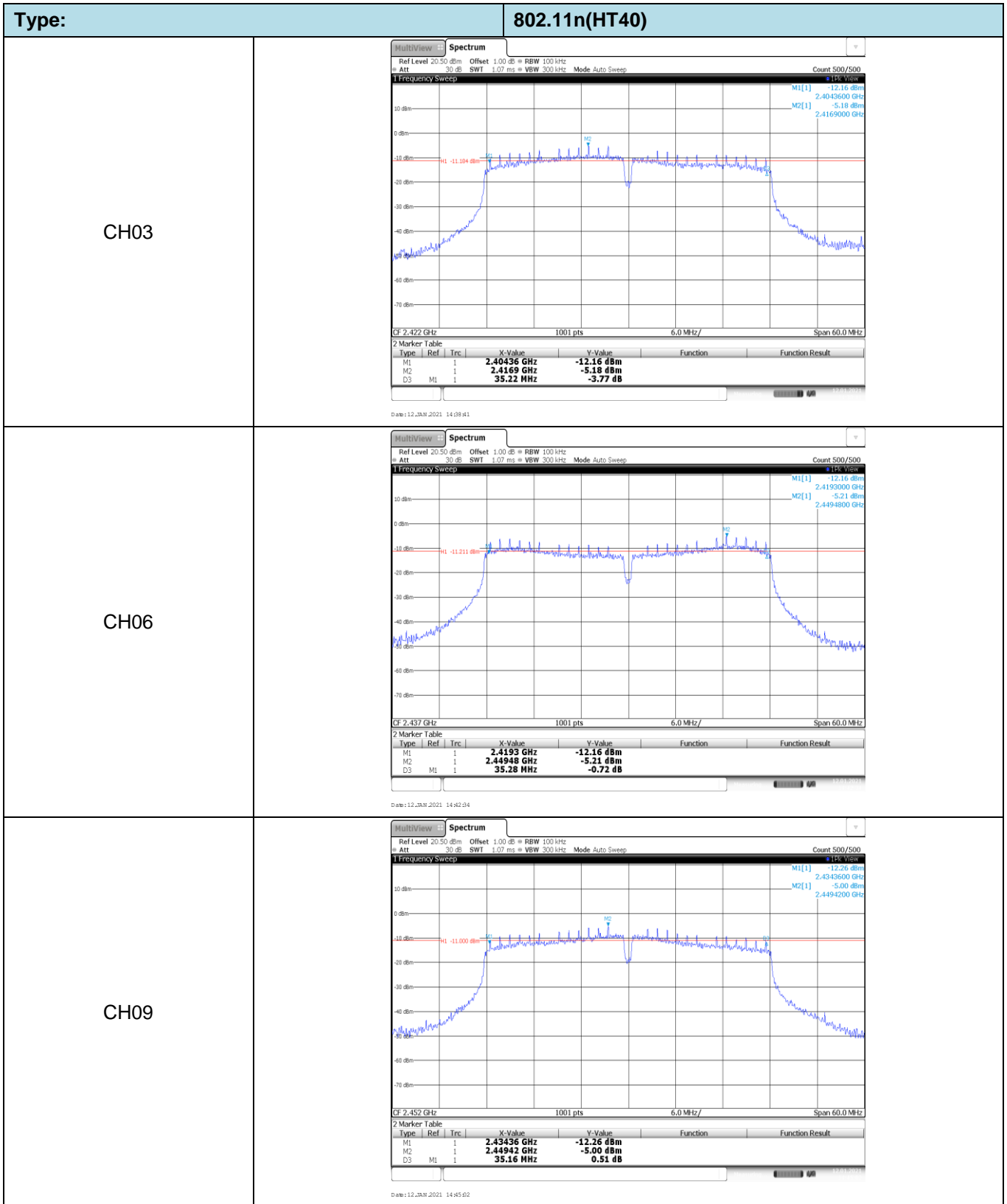
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	8.61	≥0.5	Pass
	06	8.61		
	11	9.09		
802.11g	01	15.81	≥0.5	Pass
	06	16.41		
	11	15.84		
802.11n(HT20)	01	16.38	≥0.5	Pass
	06	17.64		
	11	16.41		
802.11n(HT40)	03	35.22	≥0.5	Pass
	06	35.28		
	09	35.16		



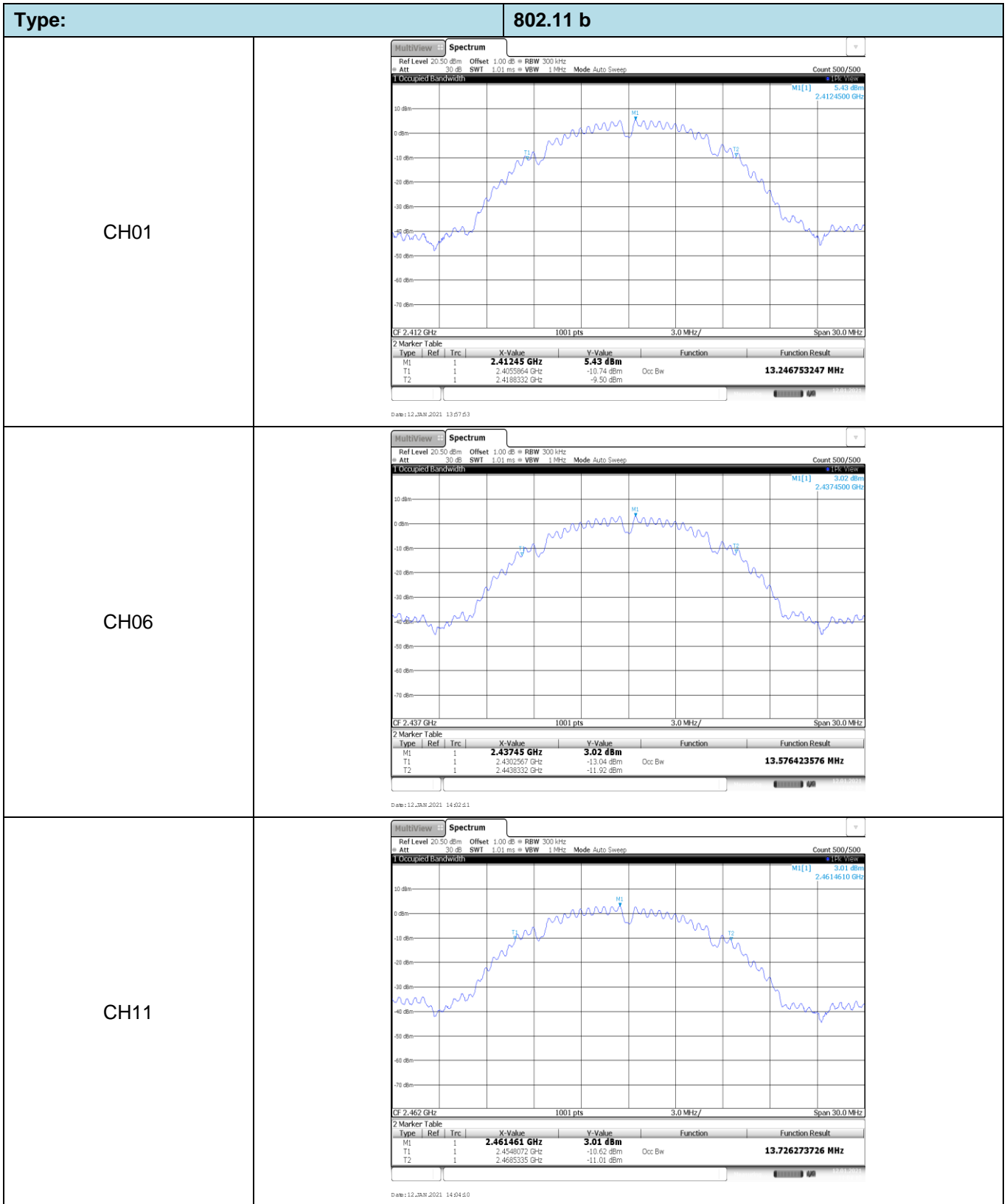
Type:	802.11 g																												
CH01	 <p>Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.40435 GHz</td> <td>-10.36 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.41944 GHz</td> <td>-2.41 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.81 MHz</td> <td>0.91 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JUN 2021 14:01:06</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40435 GHz	-10.36 dBm			M2	1		2.41944 GHz	-2.41 dBm			D3	M1	1	15.81 MHz	0.91 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.40435 GHz	-10.36 dBm																									
M2	1		2.41944 GHz	-2.41 dBm																									
D3	M1	1	15.81 MHz	0.91 dB																									
CH06	 <p>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>2.42875 GHz</td> <td>-11.93 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.44447 GHz</td> <td>-4.26 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>16.41 MHz</td> <td>1.62 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JUN 2021 14:04:22</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.42875 GHz	-11.93 dBm			M2	1		2.44447 GHz	-4.26 dBm			D3	M1	1	16.41 MHz	1.62 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.42875 GHz	-11.93 dBm																									
M2	1		2.44447 GHz	-4.26 dBm																									
D3	M1	1	16.41 MHz	1.62 dB																									
CH11	 <p>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>2.45369 GHz</td> <td>-9.24 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.45567 GHz</td> <td>-2.80 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.84 MHz</td> <td>0.28 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JUN 2021 14:05:53</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.45369 GHz	-9.24 dBm			M2	1		2.45567 GHz	-2.80 dBm			D3	M1	1	15.84 MHz	0.28 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.45369 GHz	-9.24 dBm																									
M2	1		2.45567 GHz	-2.80 dBm																									
D3	M1	1	15.84 MHz	0.28 dB																									

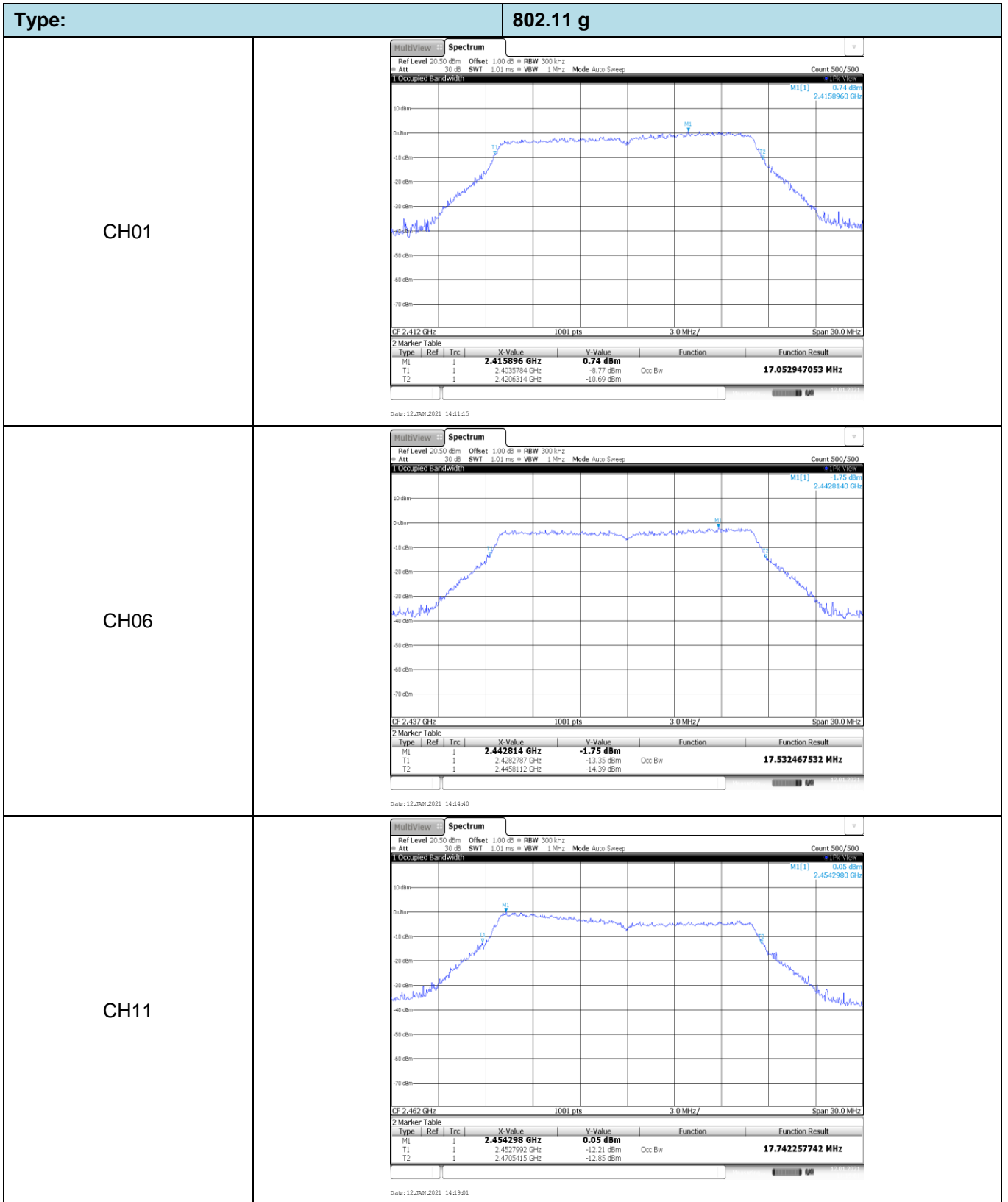
Type:	802.11n(HT20)																												
CH01	<p>Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.40438 GHz</td> <td>-9.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.41947 GHz</td> <td>-2.22 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>16.38 MHz</td> <td>0.29 dB</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40438 GHz	-9.16 dBm			M2	1		2.41947 GHz	-2.22 dBm			D3	M1	1	16.38 MHz	0.29 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.40438 GHz	-9.16 dBm																									
M2	1		2.41947 GHz	-2.22 dBm																									
D3	M1	1	16.38 MHz	0.29 dB																									
CH06	<p>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>2.42815 GHz</td> <td>-10.58 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.44447 GHz</td> <td>-4.27 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.64 MHz</td> <td>-0.79 dB</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.42815 GHz	-10.58 dBm			M2	1		2.44447 GHz	-4.27 dBm			D3	M1	1	17.64 MHz	-0.79 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.42815 GHz	-10.58 dBm																									
M2	1		2.44447 GHz	-4.27 dBm																									
D3	M1	1	17.64 MHz	-0.79 dB																									
CH11	<p>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>2.45312 GHz</td> <td>-9.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4557 GHz</td> <td>-2.82 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>16.41 MHz</td> <td>-0.02 dB</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.45312 GHz	-9.16 dBm			M2	1		2.4557 GHz	-2.82 dBm			D3	M1	1	16.41 MHz	-0.02 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.45312 GHz	-9.16 dBm																									
M2	1		2.4557 GHz	-2.82 dBm																									
D3	M1	1	16.41 MHz	-0.02 dB																									

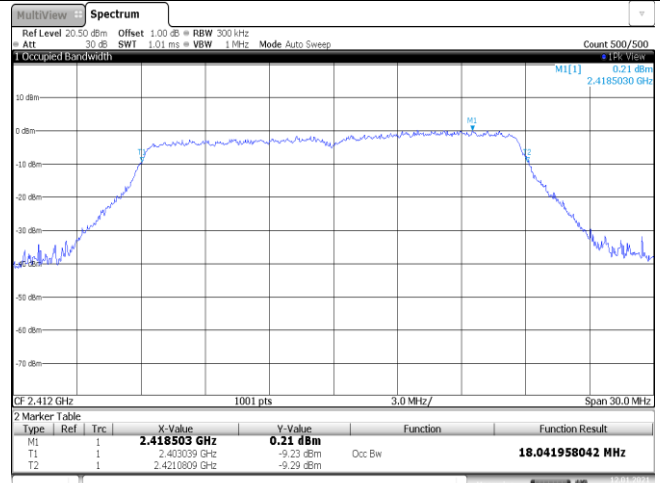
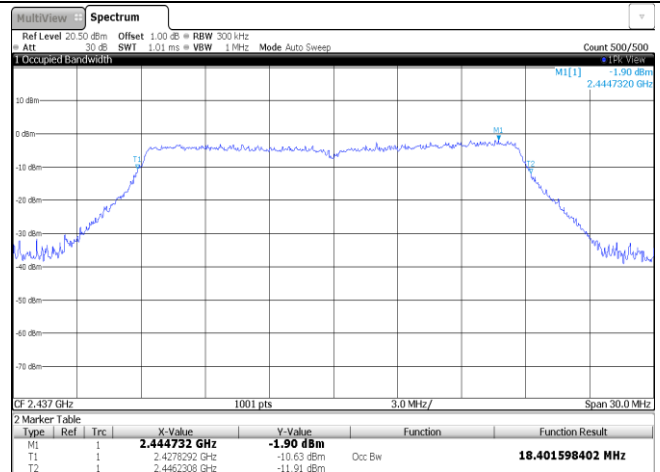
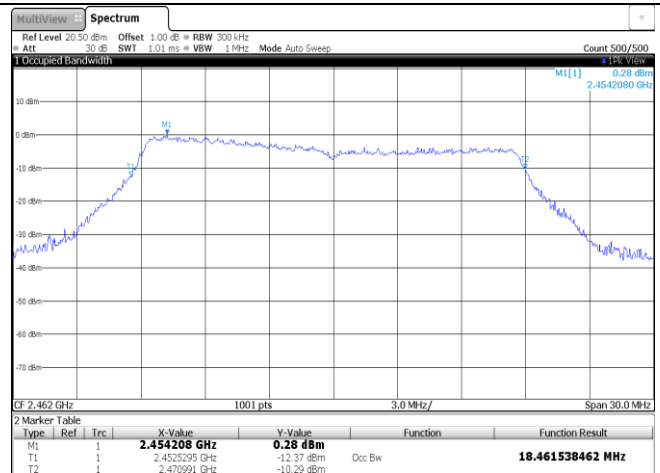


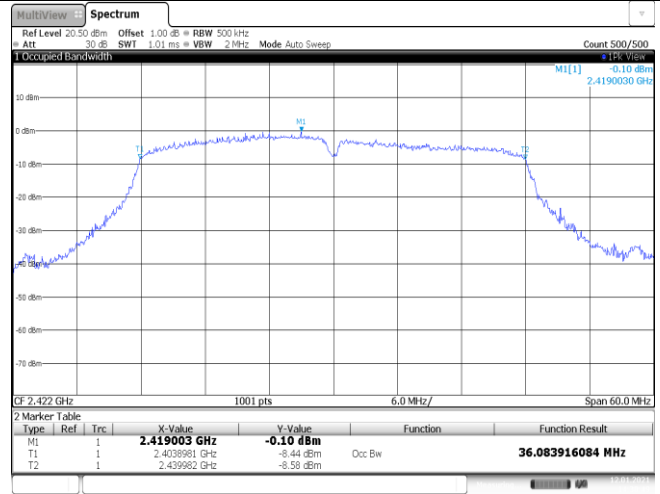
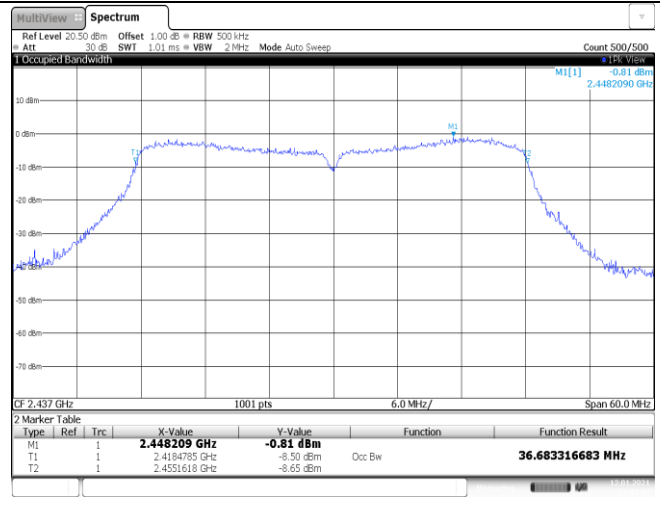
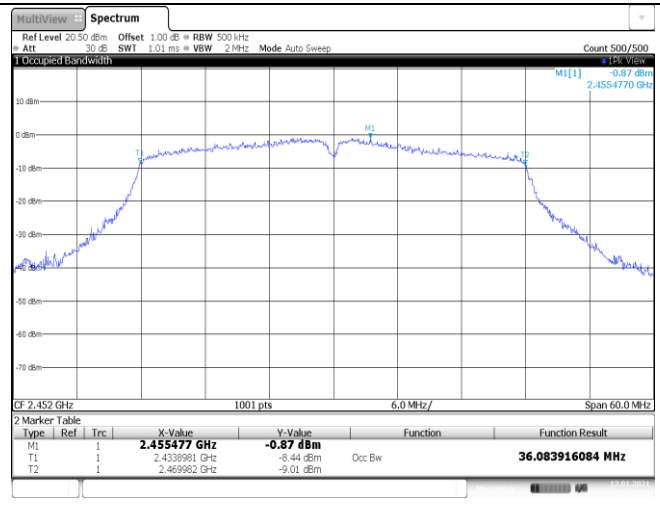
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	13.25	-	Pass
	06	13.58		
	11	13.73		
802.11g	01	17.05	-	Pass
	06	17.53		
	11	17.74		
802.11n(HT20)	01	18.04	-	Pass
	06	18.40		
	11	18.46		
802.11n(HT40)	03	36.08	-	Pass
	06	36.68		
	09	36.08		



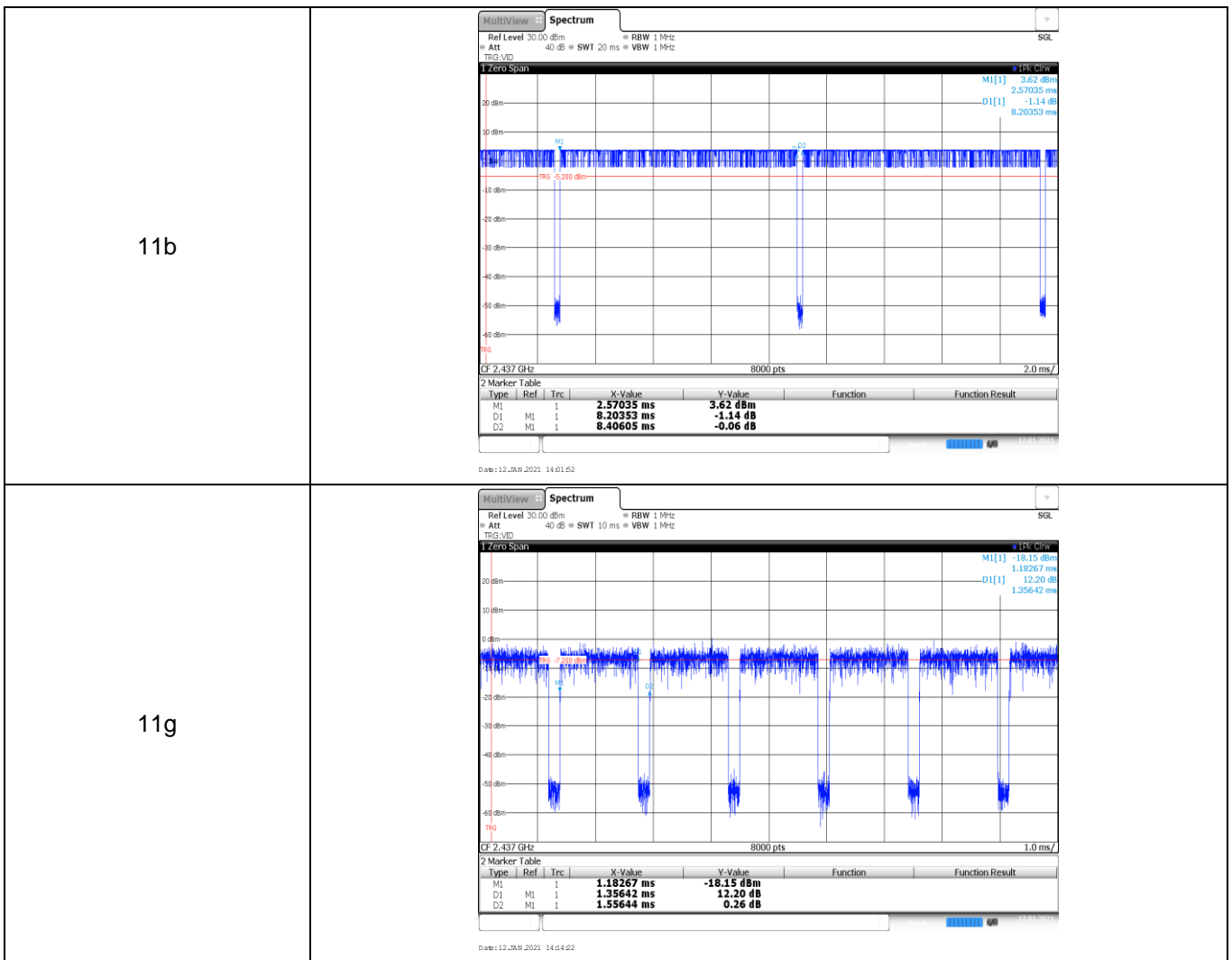


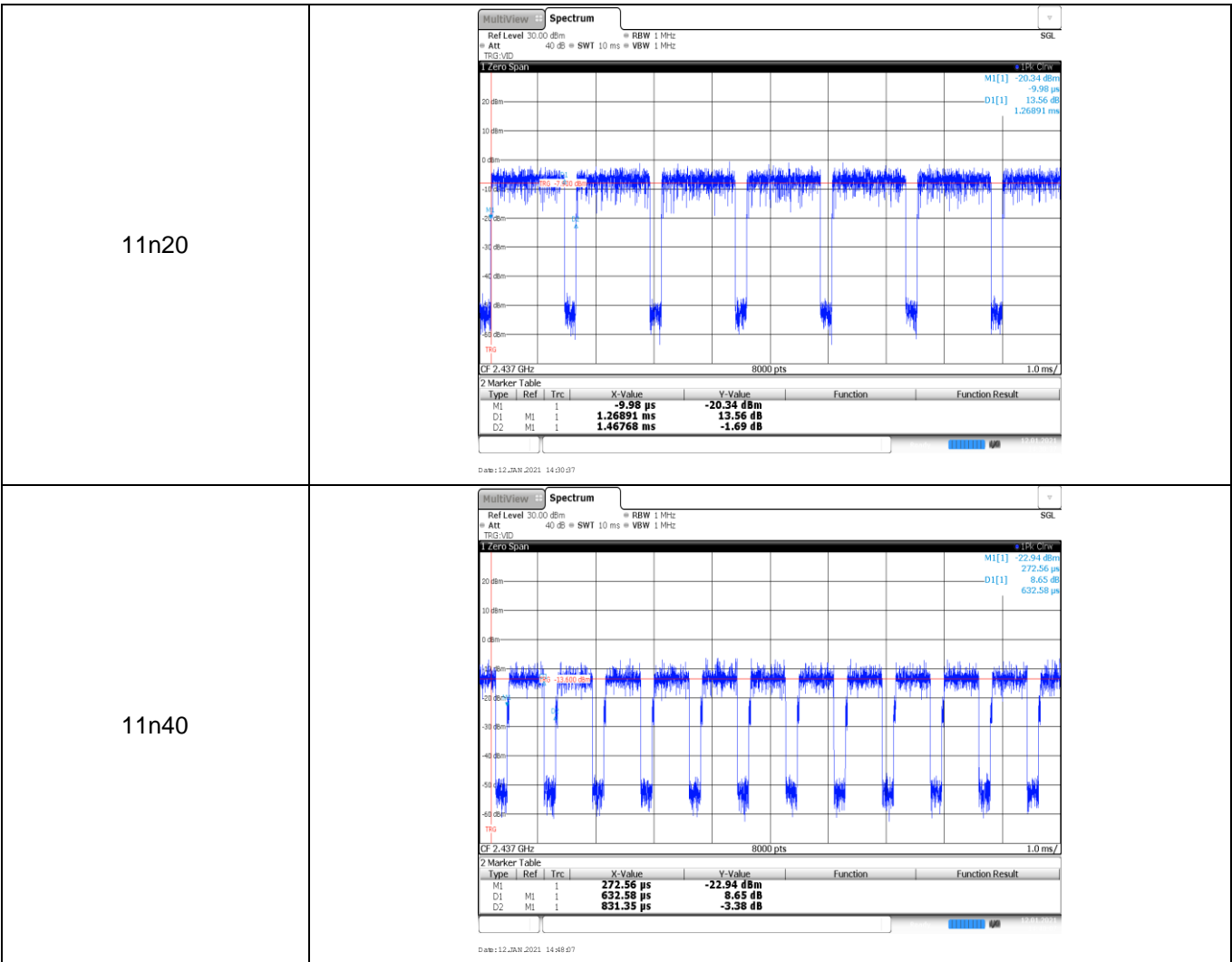
Type:	802.11n(HT20)																												
CH01	 <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.418503 GHz</td> <td>0.21 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.403039 GHz</td> <td>-9.23 dBm</td> <td>Occ Bw</td> <td>18.041958042 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4210809 GHz</td> <td>-9.29 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JUN 2021 14:27:40</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.418503 GHz	0.21 dBm			T1	1		2.403039 GHz	-9.23 dBm	Occ Bw	18.041958042 MHz	T2	1		2.4210809 GHz	-9.29 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.418503 GHz	0.21 dBm																									
T1	1		2.403039 GHz	-9.23 dBm	Occ Bw	18.041958042 MHz																							
T2	1		2.4210809 GHz	-9.29 dBm																									
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>2.444732 GHz</td> <td>-1.90 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4278292 GHz</td> <td>-10.63 dBm</td> <td>Occ Bw</td> <td>18.401598402 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4462308 GHz</td> <td>-11.91 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JUN 2021 14:00:55</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.444732 GHz	-1.90 dBm			T1	1		2.4278292 GHz	-10.63 dBm	Occ Bw	18.401598402 MHz	T2	1		2.4462308 GHz	-11.91 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.444732 GHz	-1.90 dBm																									
T1	1		2.4278292 GHz	-10.63 dBm	Occ Bw	18.401598402 MHz																							
T2	1		2.4462308 GHz	-11.91 dBm																									
CH11	 <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.454208 GHz</td> <td>0.28 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4525295 GHz</td> <td>-12.37 dBm</td> <td>Occ Bw</td> <td>18.461538462 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.470994 GHz</td> <td>-10.29 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JUN 2021 14:04:06</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.454208 GHz	0.28 dBm			T1	1		2.4525295 GHz	-12.37 dBm	Occ Bw	18.461538462 MHz	T2	1		2.470994 GHz	-10.29 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.454208 GHz	0.28 dBm																									
T1	1		2.4525295 GHz	-12.37 dBm	Occ Bw	18.461538462 MHz																							
T2	1		2.470994 GHz	-10.29 dBm																									

Type:	802.11n(HT40)																												
CH03	 <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 500 Hz Att 30 dB SWI 1.01 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>Occupied Bandwidth</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>2.419003 GHz</td> <td>-0.10 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4039981 GHz</td> <td>-8.44 dBm</td> <td>Occ Bw</td> <td>36.083916084 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4399992 GHz</td> <td>-8.58 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JAN 2021 14:08:49</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.419003 GHz	-0.10 dBm			T1	1		2.4039981 GHz	-8.44 dBm	Occ Bw	36.083916084 MHz	T2	1		2.4399992 GHz	-8.58 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.419003 GHz	-0.10 dBm																									
T1	1		2.4039981 GHz	-8.44 dBm	Occ Bw	36.083916084 MHz																							
T2	1		2.4399992 GHz	-8.58 dBm																									
CH06	 <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 500 Hz Att 30 dB SWI 1.01 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>Occupied Bandwidth</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>2.448209 GHz</td> <td>-0.81 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4184785 GHz</td> <td>-8.50 dBm</td> <td>Occ Bw</td> <td>36.683316683 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4551618 GHz</td> <td>-8.65 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JAN 2021 14:42:42</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.448209 GHz	-0.81 dBm			T1	1		2.4184785 GHz	-8.50 dBm	Occ Bw	36.683316683 MHz	T2	1		2.4551618 GHz	-8.65 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.448209 GHz	-0.81 dBm																									
T1	1		2.4184785 GHz	-8.50 dBm	Occ Bw	36.683316683 MHz																							
T2	1		2.4551618 GHz	-8.65 dBm																									
CH09	 <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 500 Hz Att 30 dB SWI 1.01 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>Occupied Bandwidth</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>2.455477 GHz</td> <td>-0.87 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4339981 GHz</td> <td>-8.44 dBm</td> <td>Occ Bw</td> <td>36.083916084 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4699992 GHz</td> <td>-9.01 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JAN 2021 14:45:00</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.455477 GHz	-0.87 dBm			T1	1		2.4339981 GHz	-8.44 dBm	Occ Bw	36.083916084 MHz	T2	1		2.4699992 GHz	-9.01 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.455477 GHz	-0.87 dBm																									
T1	1		2.4339981 GHz	-8.44 dBm	Occ Bw	36.083916084 MHz																							
T2	1		2.4699992 GHz	-9.01 dBm																									


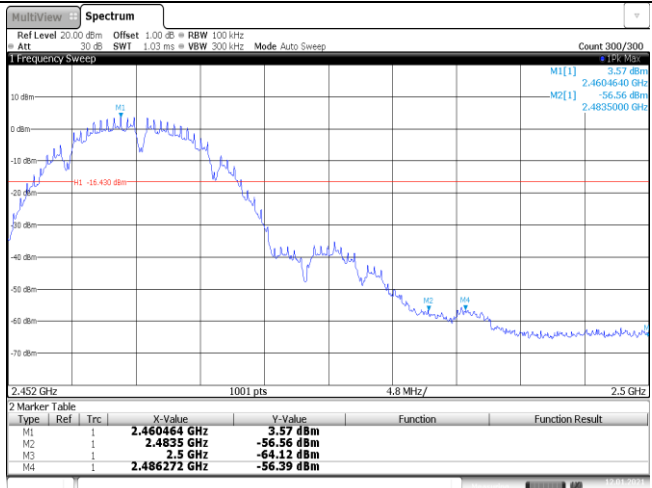
Appendix E: Duty Cycle

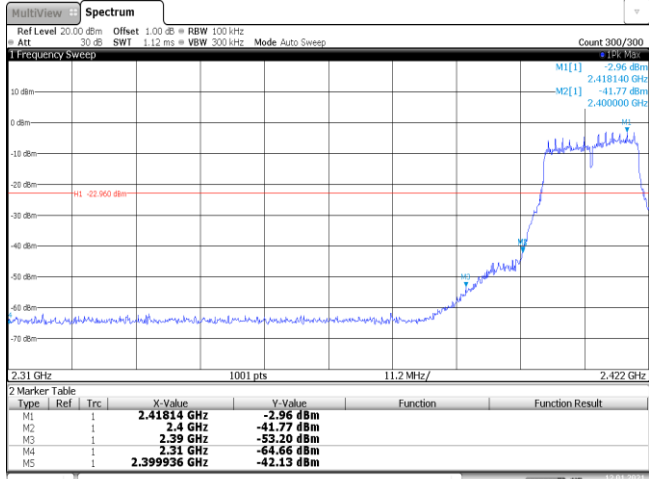
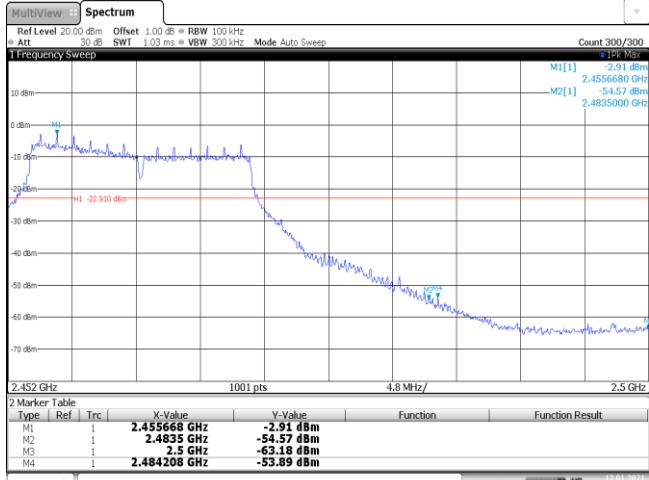
Modulation Type	Test Frequency (MHz)	T _{on time} for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on time} (kHz)
11b	2437	8.20	8.41	97.5%	0.1
11g	2437	1.36	1.56	87.2%	0.7
11n20	2437	1.27	1.47	86.4%	0.8
11n40	2437	0.63	0.83	75.9%	1.6



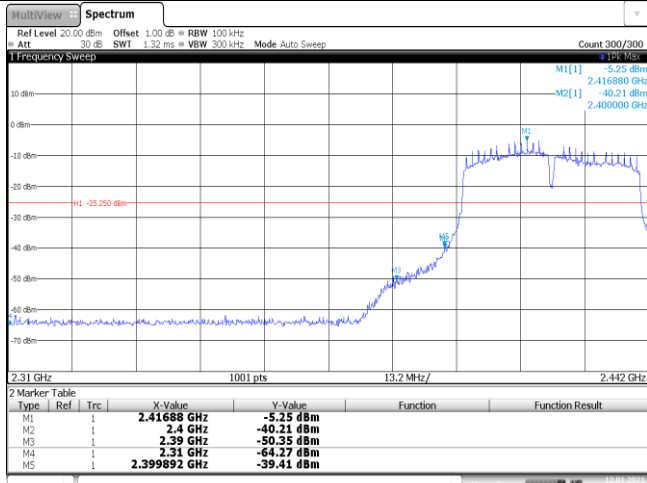
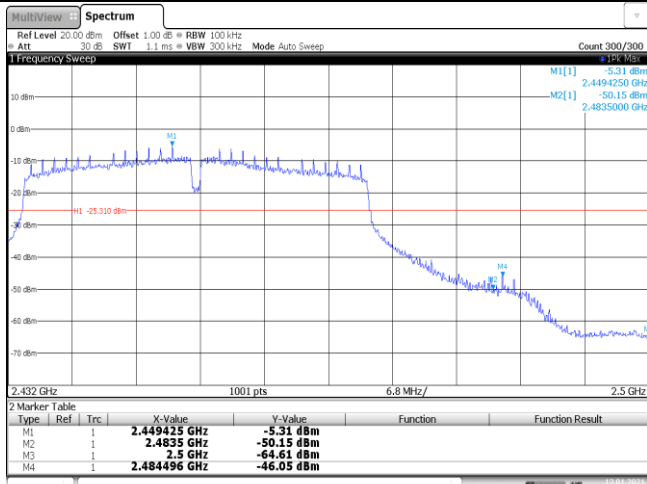


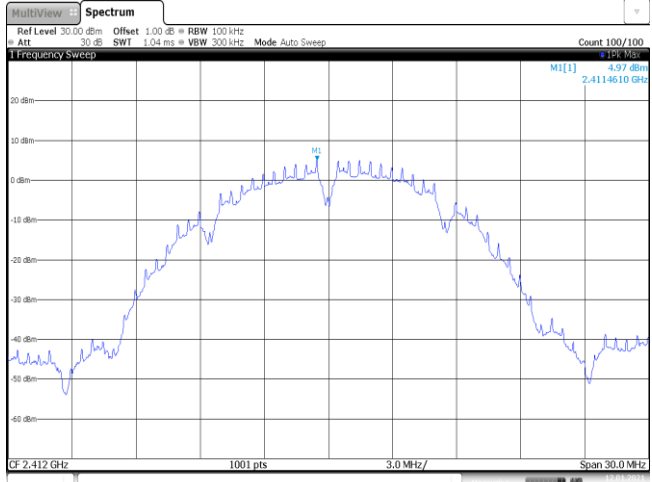
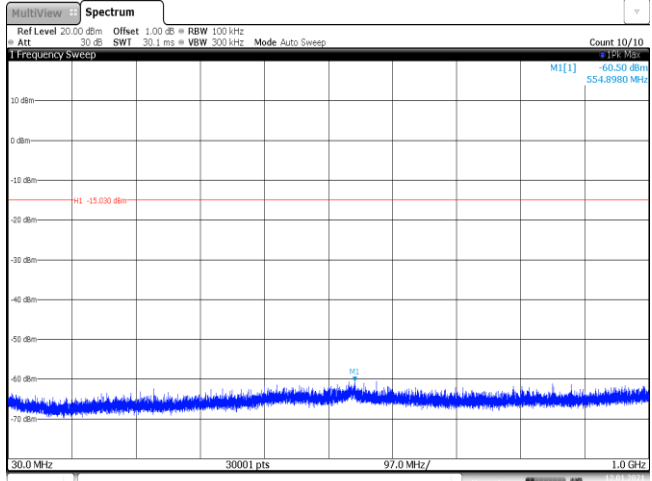
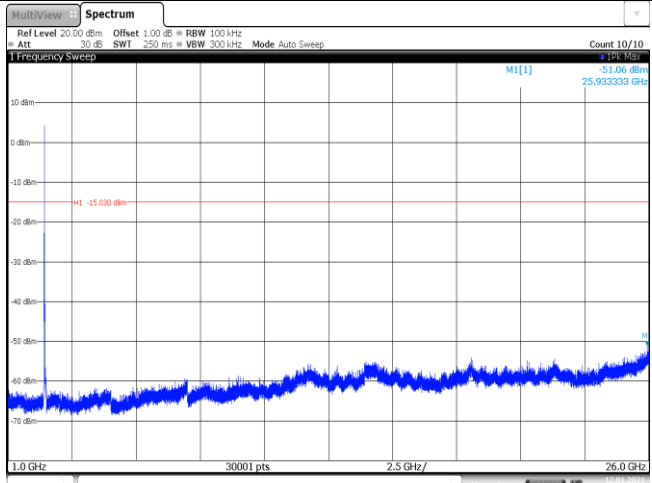
Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Bandedge	Type:	802.11 b																																										
CH01	 <p>2 Marker Table</p> <table border="1" data-bbox="689 698 1331 784"> <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>5.84 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-46.13 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-57.63 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-62.64 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.396912 GHz</td> <td>-40.44 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12 JAN 2021 14:57:39</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41243 GHz	5.84 dBm			M2	1		2.4 GHz	-46.13 dBm			M3	1		2.39 GHz	-57.63 dBm			M4	1		2.31 GHz	-62.64 dBm			M5	1		2.396912 GHz	-40.44 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41243 GHz	5.84 dBm																																									
M2	1		2.4 GHz	-46.13 dBm																																									
M3	1		2.39 GHz	-57.63 dBm																																									
M4	1		2.31 GHz	-62.64 dBm																																									
M5	1		2.396912 GHz	-40.44 dBm																																									
CH11	 <p>2 Marker Table</p> <table border="1" data-bbox="689 1236 1331 1321"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.450464 GHz</td> <td>3.57 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-56.56 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-64.12 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.486272 GHz</td> <td>-56.39 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12 JAN 2021 14:56:14</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.450464 GHz	3.57 dBm			M2	1		2.4835 GHz	-56.56 dBm			M3	1		2.5 GHz	-64.12 dBm			M4	1		2.486272 GHz	-56.39 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.450464 GHz	3.57 dBm																																									
M2	1		2.4835 GHz	-56.56 dBm																																									
M3	1		2.5 GHz	-64.12 dBm																																									
M4	1		2.486272 GHz	-56.39 dBm																																									

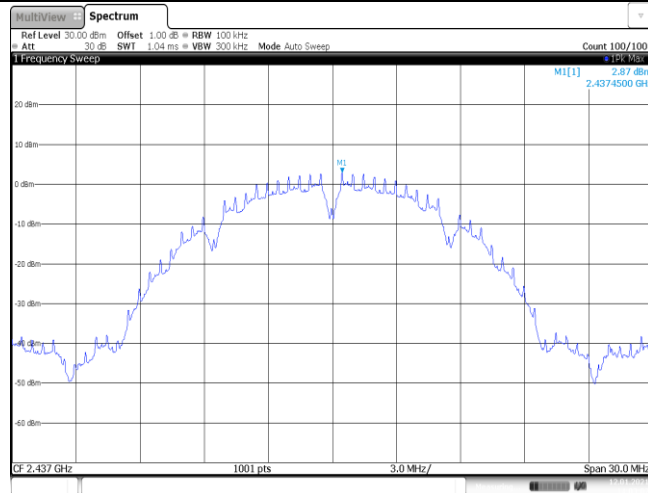
Test Item:	Bandedge	Type:	802.11 g																																										
CH01	 <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.41614 GHz</td> <td>-2.96 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-41.77 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-53.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.66 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399936 GHz</td> <td>-42.13 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JAN 2021 14:03:44</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41614 GHz	-2.96 dBm			M2	1		2.4 GHz	-41.77 dBm			M3	1		2.39 GHz	-53.20 dBm			M4	1		2.31 GHz	-64.66 dBm			M5	1		2.399936 GHz	-42.13 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41614 GHz	-2.96 dBm																																									
M2	1		2.4 GHz	-41.77 dBm																																									
M3	1		2.39 GHz	-53.20 dBm																																									
M4	1		2.31 GHz	-64.66 dBm																																									
M5	1		2.399936 GHz	-42.13 dBm																																									
CH11	 <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.455668 GHz</td> <td>-2.91 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-54.57 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-63.18 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.484208 GHz</td> <td>-53.89 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JAN 2021 14:20:67</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.455668 GHz	-2.91 dBm			M2	1		2.4835 GHz	-54.57 dBm			M3	1		2.5 GHz	-63.18 dBm			M4	1		2.484208 GHz	-53.89 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.455668 GHz	-2.91 dBm																																									
M2	1		2.4835 GHz	-54.57 dBm																																									
M3	1		2.5 GHz	-63.18 dBm																																									
M4	1		2.484208 GHz	-53.89 dBm																																									

Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
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>2.41691 GHz</td> <td>-2.30 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-39.73 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-54.39 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>2.399936 GHz</td> <td>-38.04 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JAN 2021 14:29:24</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41691 GHz	-2.30 dBm			M2	1		2.4 GHz	-39.73 dBm			M3	1		2.39 GHz	-54.39 dBm			M4	1		2.31 GHz	-64.38 dBm			M5	1		2.399936 GHz	-38.04 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41691 GHz	-2.30 dBm																																									
M2	1		2.4 GHz	-39.73 dBm																																									
M3	1		2.39 GHz	-54.39 dBm																																									
M4	1		2.31 GHz	-64.38 dBm																																									
M5	1		2.399936 GHz	-38.04 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>2.455668 GHz</td> <td>-2.97 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-52.81 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-63.45 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.484208 GHz</td> <td>-52.19 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JAN 2021 14:05:61</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.455668 GHz	-2.97 dBm			M2	1		2.4835 GHz	-52.81 dBm			M3	1		2.5 GHz	-63.45 dBm			M4	1		2.484208 GHz	-52.19 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.455668 GHz	-2.97 dBm																																									
M2	1		2.4835 GHz	-52.81 dBm																																									
M3	1		2.5 GHz	-63.45 dBm																																									
M4	1		2.484208 GHz	-52.19 dBm																																									

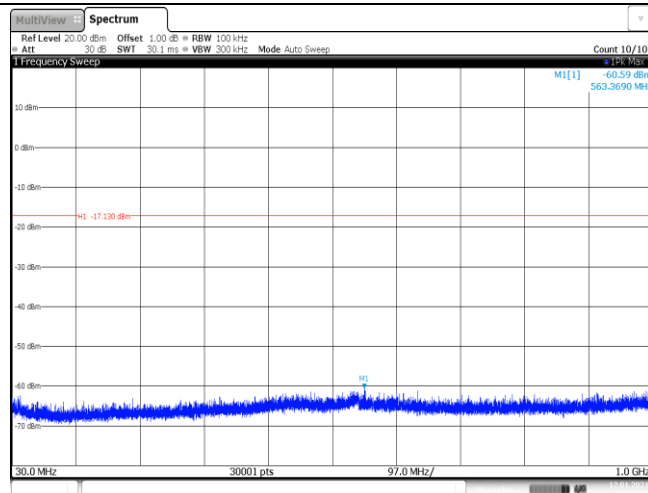
Test Item:	Bandedge	Type:	802.11 n(HT40)																																										
CH03		 <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.41688 GHz</td> <td>-5.25 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-40.21 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-50.35 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.27 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399892 GHz</td> <td>-39.41 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JAN 2021 14:40:46</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41688 GHz	-5.25 dBm			M2	1		2.4 GHz	-40.21 dBm			M3	1		2.39 GHz	-50.35 dBm			M4	1		2.31 GHz	-64.27 dBm			M5	1		2.399892 GHz	-39.41 dBm			
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41688 GHz	-5.25 dBm																																									
M2	1		2.4 GHz	-40.21 dBm																																									
M3	1		2.39 GHz	-50.35 dBm																																									
M4	1		2.31 GHz	-64.27 dBm																																									
M5	1		2.399892 GHz	-39.41 dBm																																									
CH09		 <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>2.449425 GHz</td> <td>-5.31 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-50.15 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-64.61 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.484496 GHz</td> <td>-46.05 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 12_JAN 2021 14:46:19</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.449425 GHz	-5.31 dBm			M2	1		2.4835 GHz	-50.15 dBm			M3	1		2.5 GHz	-64.61 dBm			M4	1		2.484496 GHz	-46.05 dBm										
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.449425 GHz	-5.31 dBm																																									
M2	1		2.4835 GHz	-50.15 dBm																																									
M3	1		2.5 GHz	-64.61 dBm																																									
M4	1		2.484496 GHz	-46.05 dBm																																									

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

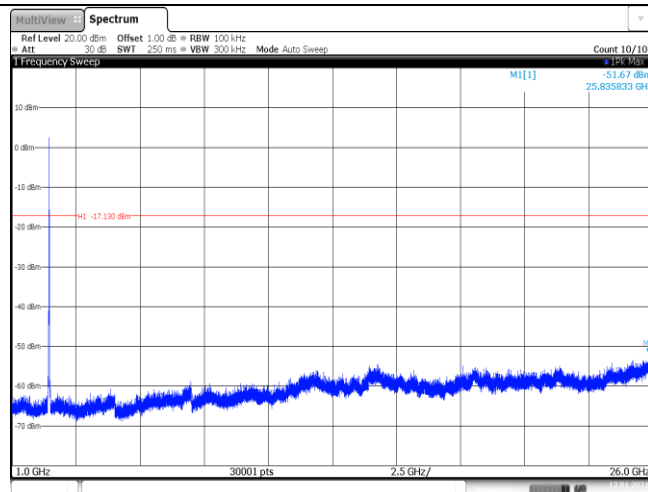
CH06
Reference level

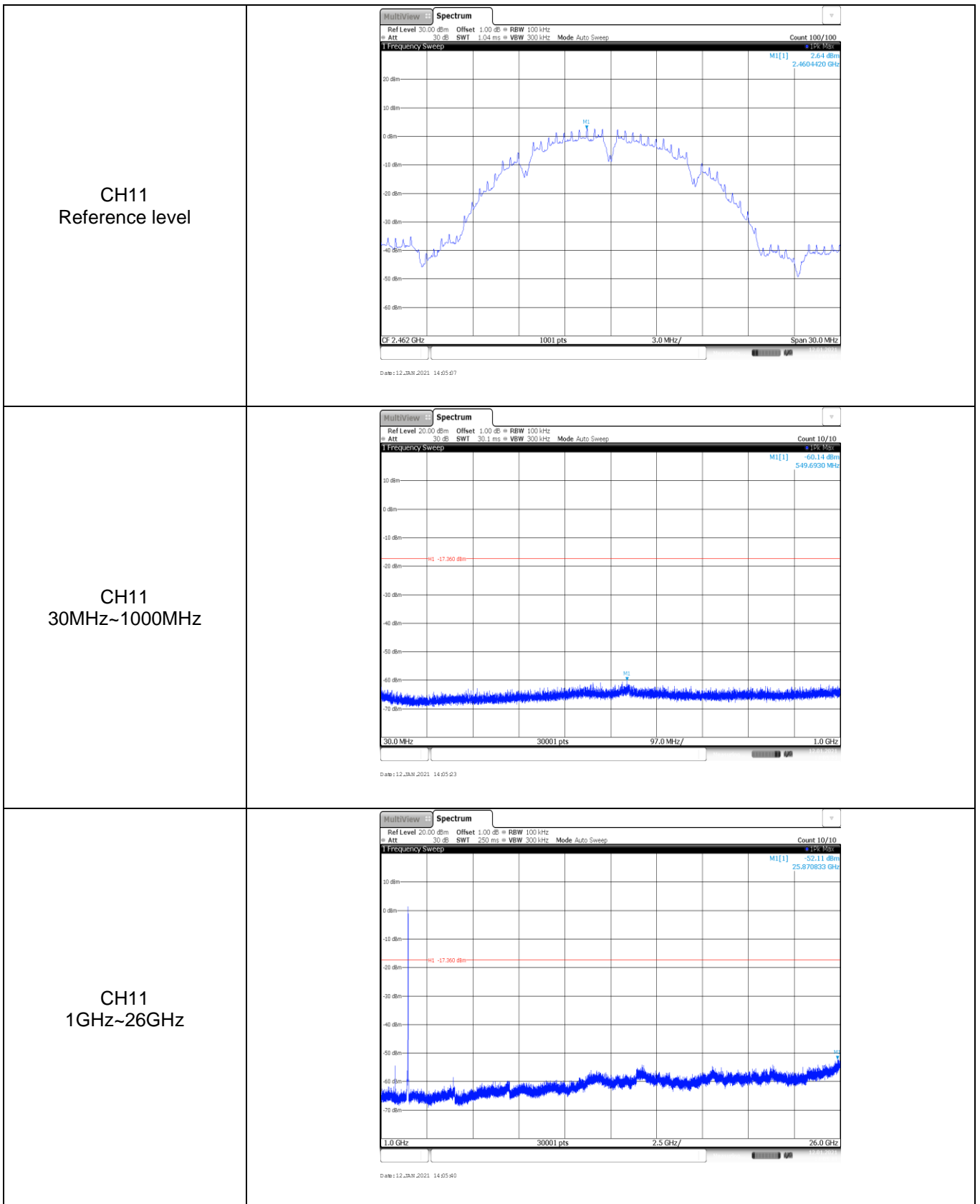


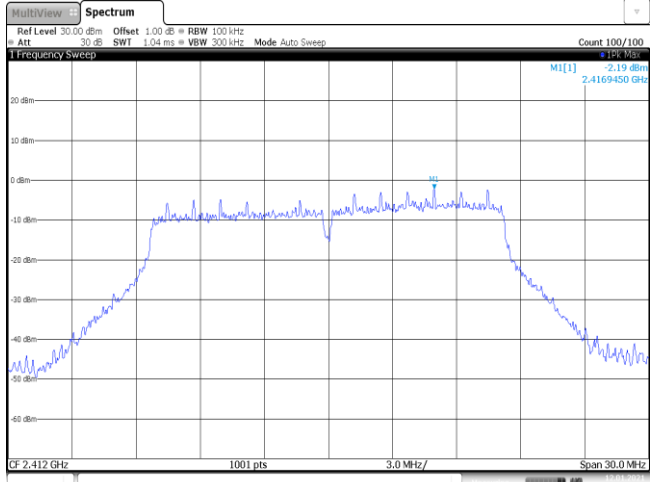
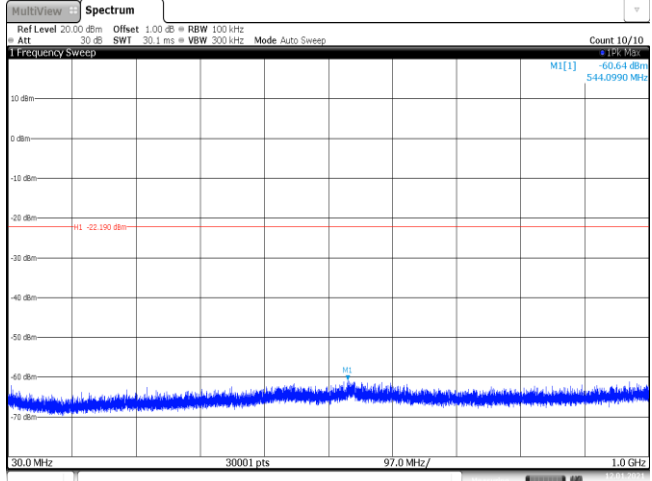
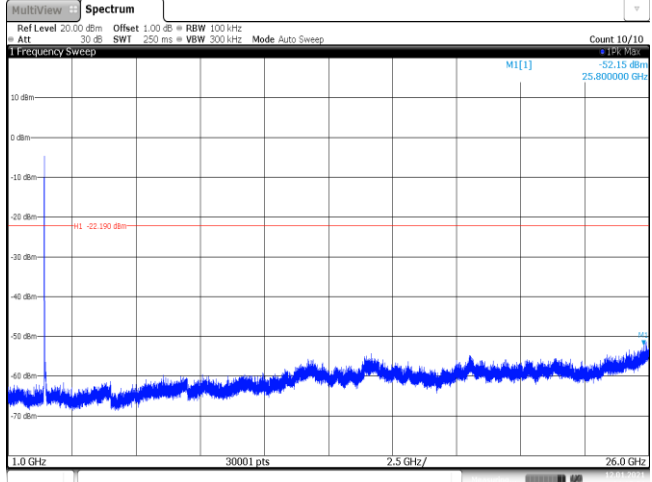
CH06
30MHz~1000MHz



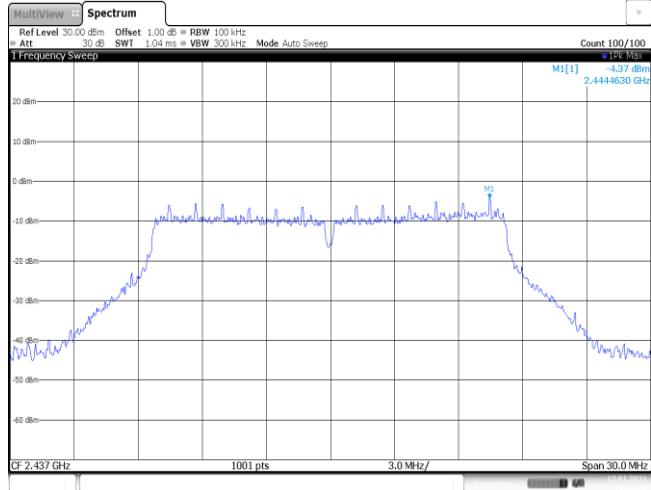
CH06
1GHz~26GHz



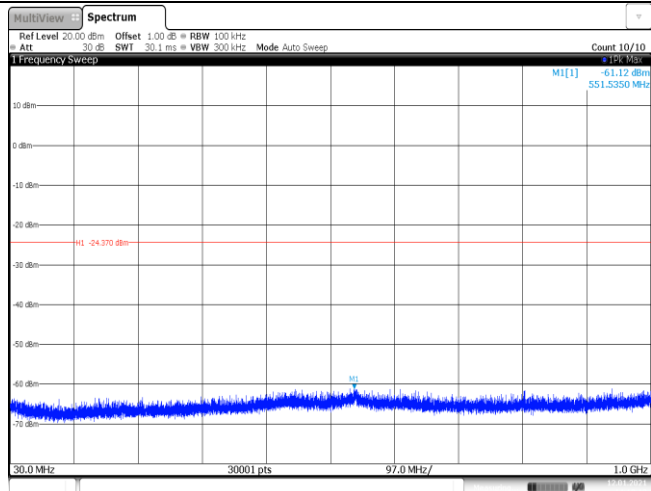


Test Item:	SE	Type:	802.11g
<p>CH01 Reference level</p>			
<p>CH01 30MHz~1000MHz</p>			
<p>CH01 1GHz~26GHz</p>			

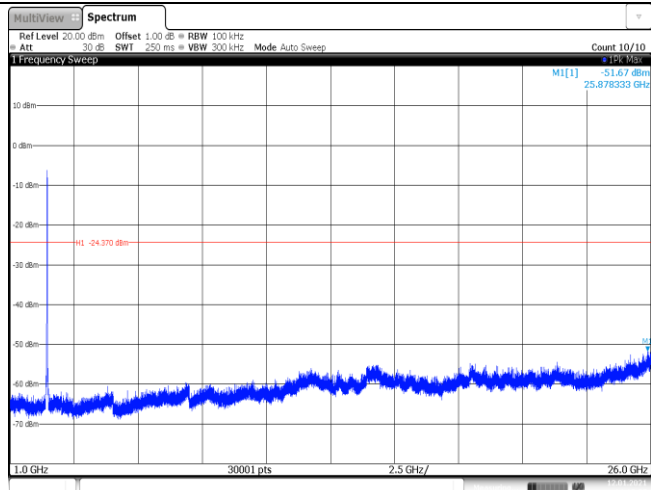
CH06
Reference level



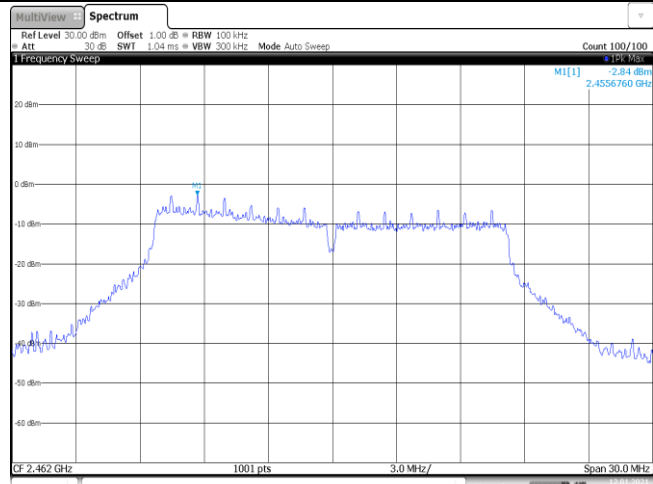
CH06
30MHz~1000MHz



CH06
1GHz~26GHz

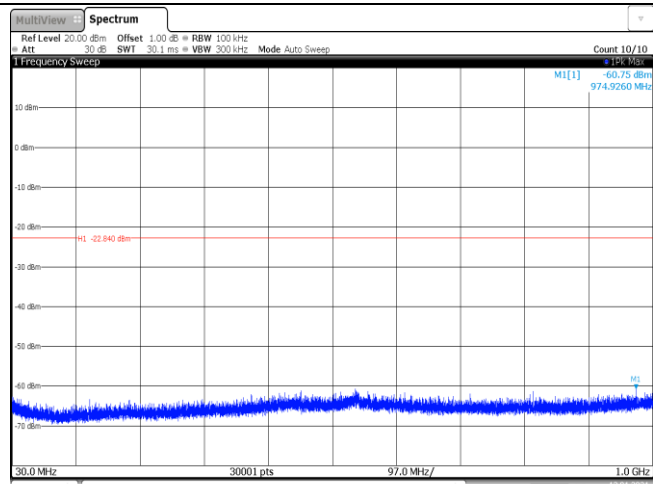


CH11
Reference level



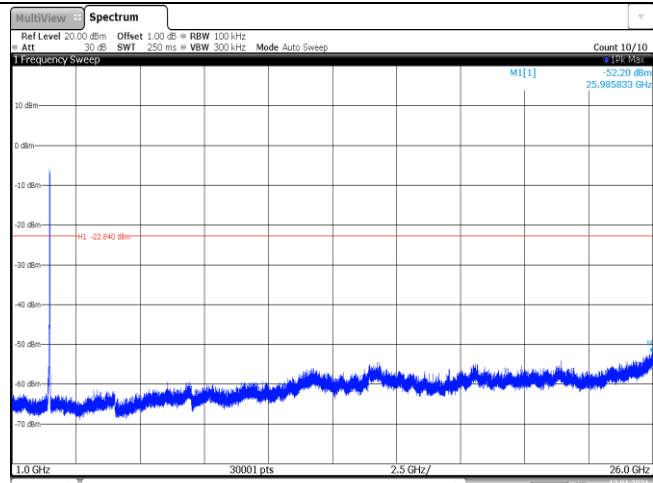
Date: 12 JAN 2021 14:21:94

CH11
30MHz~1000MHz

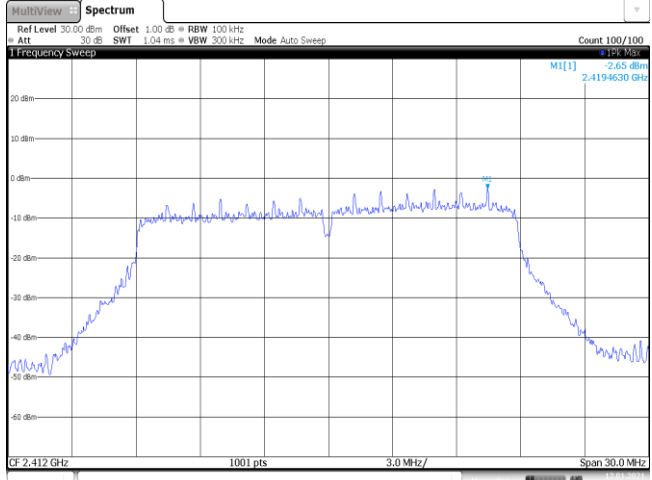
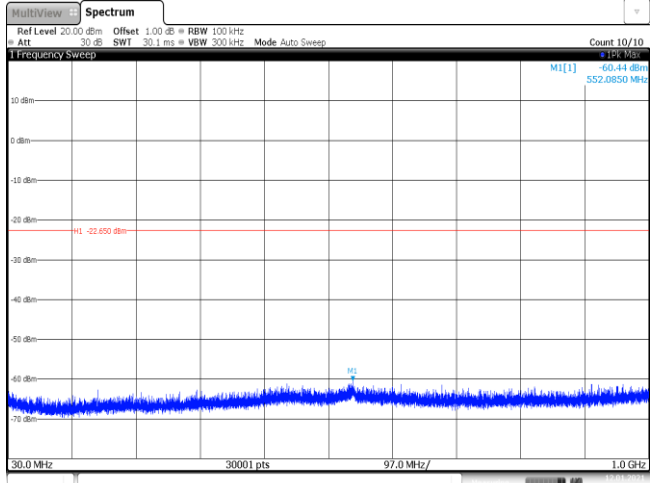
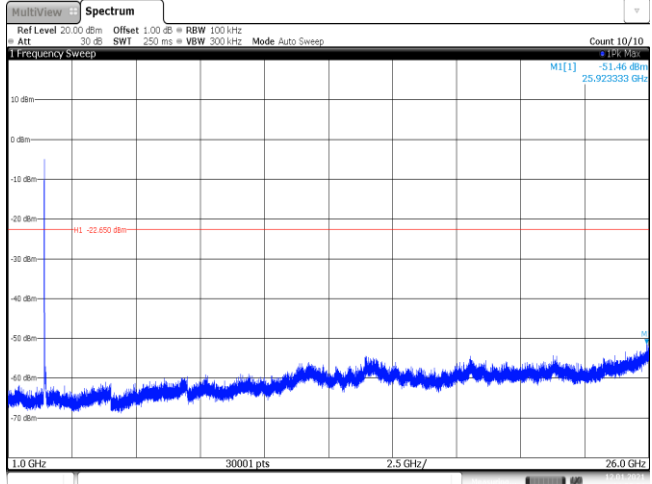


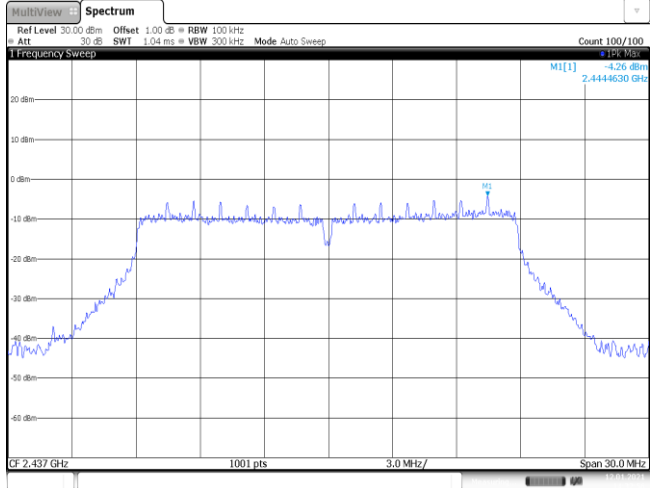
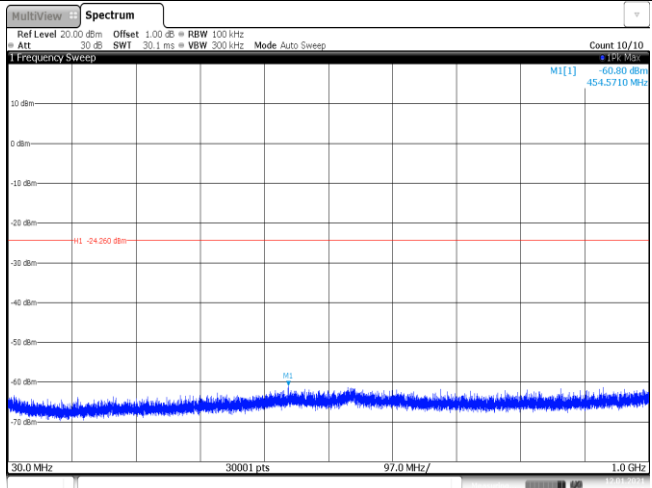
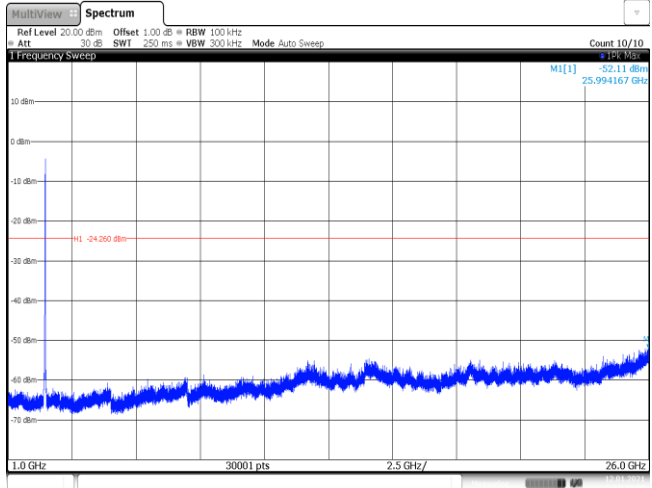
Date: 12 JAN 2021 14:21:20

CH11
1GHz~26GHz

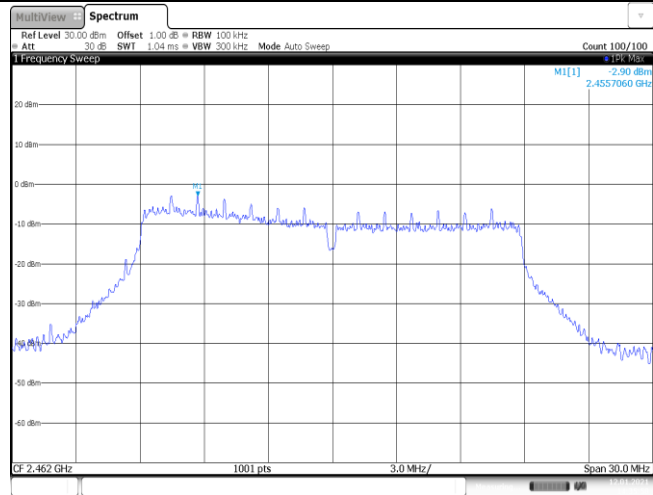


Date: 12 JAN 2021 14:21:06

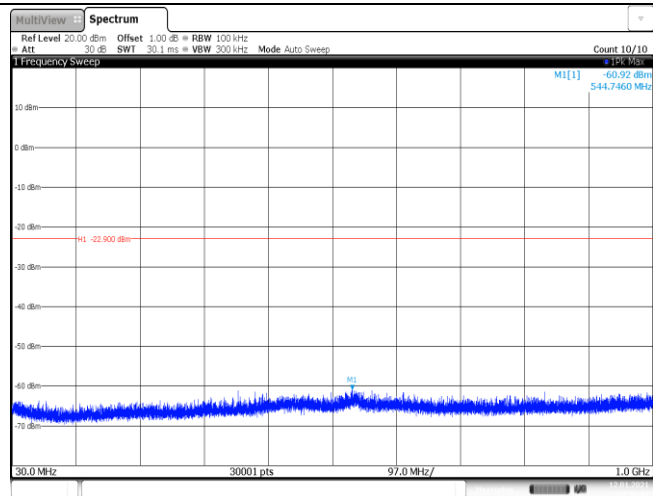
Test Item:	SE	Type:	802.11n(HT20)
<p>CH01 Reference level</p>			 <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] 2.65 dBm 2.4194630 GHz CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12_JAN 2021 14:29:31</p>
<p>CH01 30MHz~1000MHz</p>			 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -60.44 dBm 552.6850 MHz H1 -22.650 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 12_JAN 2021 14:29:47</p>
<p>CH01 1GHz~26GHz</p>			 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -51.46 dBm 25.925333 GHz H1 -22.650 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 12_JAN 2021 14:30:04</p>

<p>CH06 Reference level</p>	 <p>Ref Level 30.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWT 1.04 ms VBW 300 kHz Mode Auto Sweep Count 100/100 MI[1] -4.26 dBm 2.4444630 GHz CF 2.437 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12 JAN 2021 14:32:56</p>
<p>CH06 30MHz~1000MHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWT 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -60.80 dBm 454.5710 MHz MI -24.200 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 12 JAN 2021 14:33:02</p>
<p>CH06 1GHz~26GHz</p>	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWT 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 MI[1] -52.11 dBm 25.994167 GHz MI -24.200 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 12 JAN 2021 14:33:09</p>

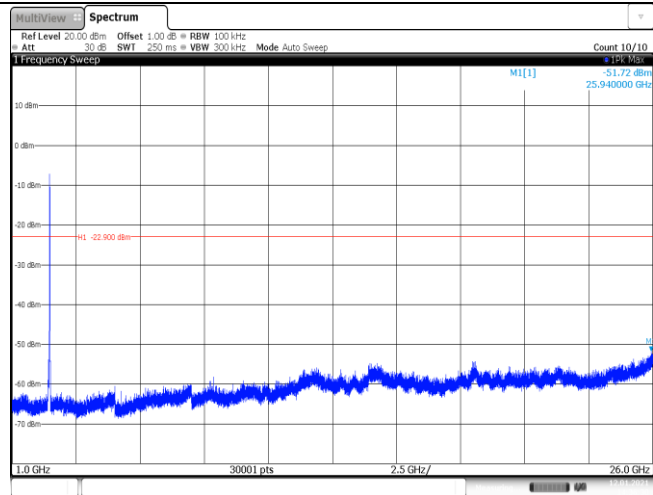
CH11
Reference level

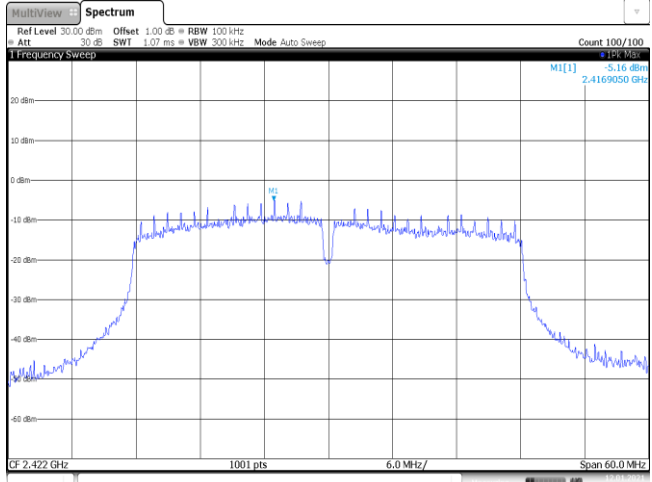
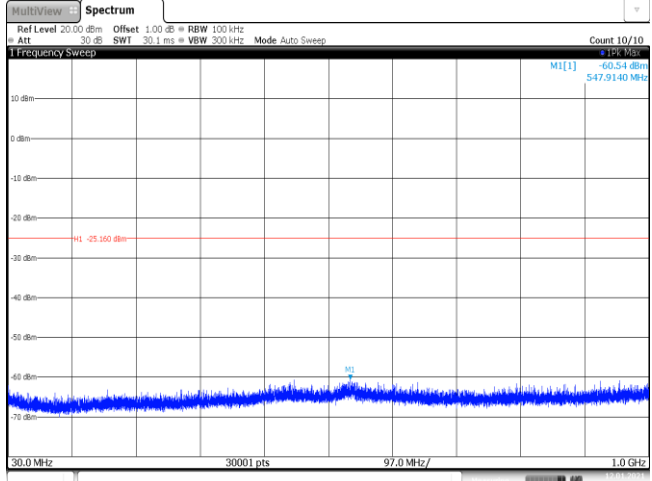
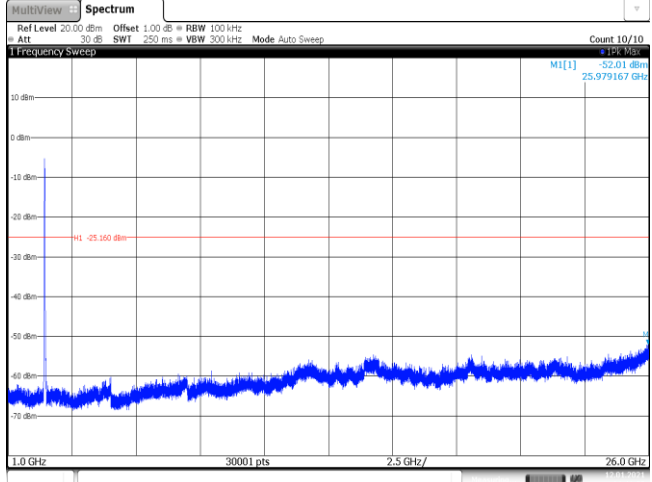


CH11
30MHz~1000MHz

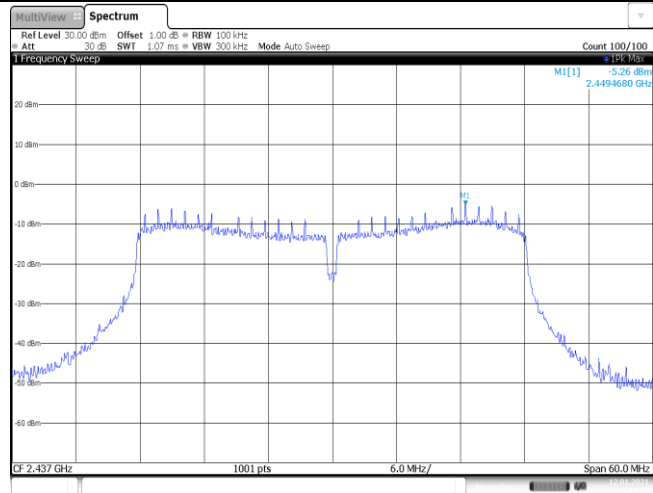


CH11
1GHz~26GHz



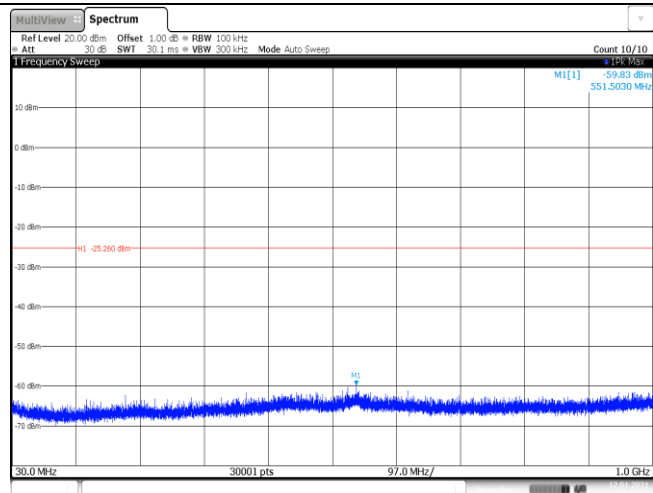
Test Item:	SE	Type:	802.11n(HT40)
<p>CH03 Reference level</p>			
<p>CH03 30MHz~1000MHz</p>			
<p>CH03 1GHz~26GHz</p>			

CH06
Reference level



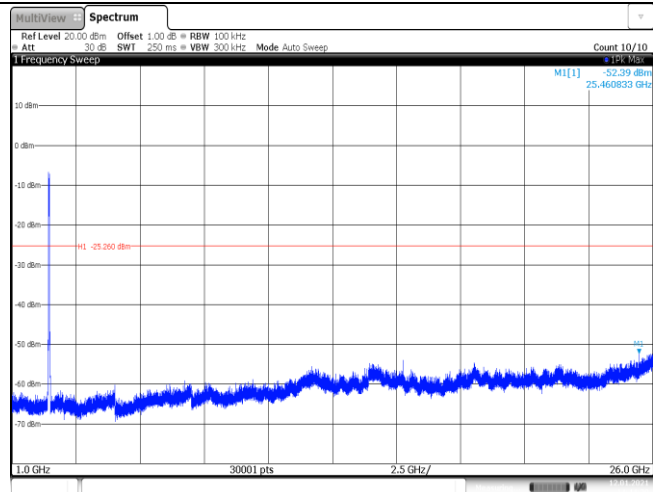
Date: 12 JAN 2021 14:43:57

CH06
30MHz~1000MHz



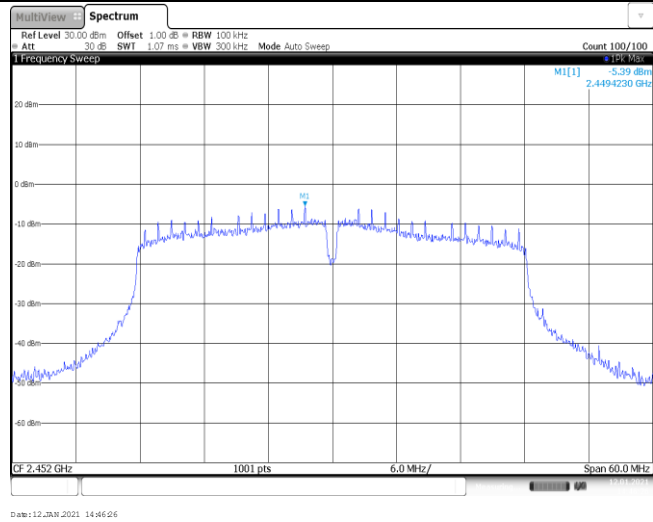
Date: 12 JAN 2021 14:44:14

CH06
1GHz~26GHz

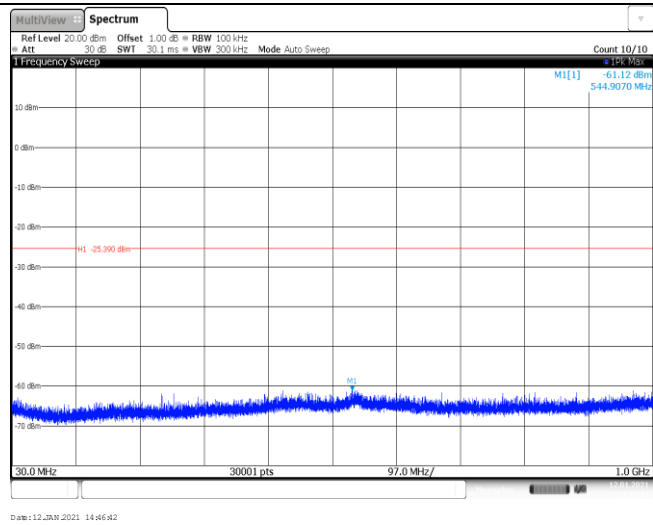


Date: 12 JAN 2021 14:44:00

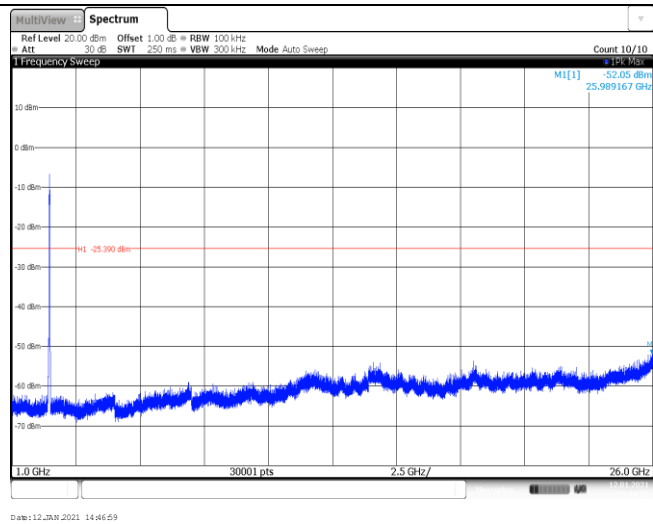
CH09
Reference level



CH09
30MHz~1000MHz



CH09
1GHz~26GHz



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