

APPENDIX REPORT

Project No.	SHT2105011002EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT21050110007	Model No.	S020
Start test date	2021-06-30	Finish date	2021-06-30
Temperature	26.1°C	Humidity	36%
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

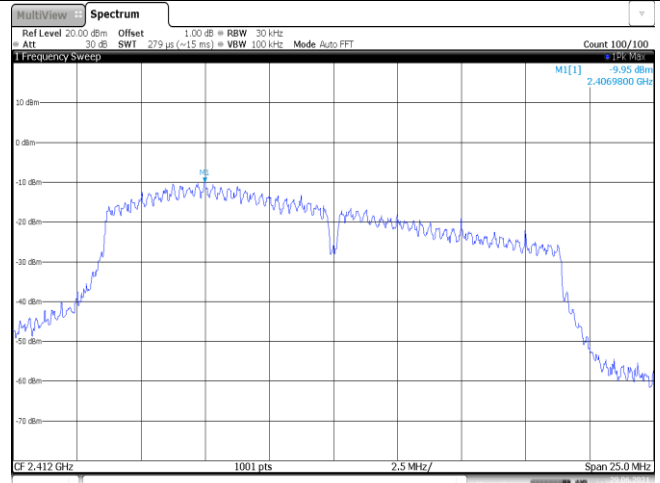
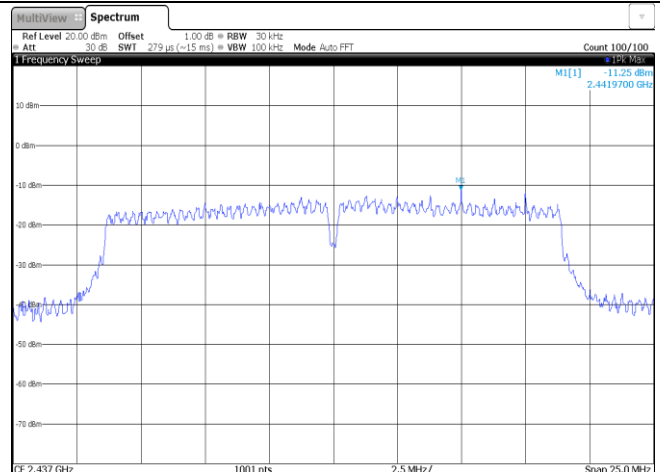
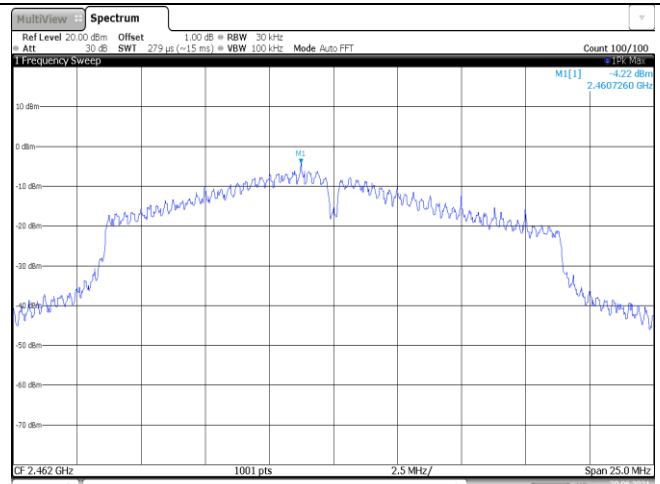
Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	10.88	8.34	≤ 30.00	Pass
	06	11.16	8.67		
	11	16.36	13.81		
802.11g	01	11.52	9.05	≤ 30.00	Pass
	06	12.36	10.04		
	11	16.49	14.15		
802.11n (HT20)	01	11.24	8.72	≤ 30.00	Pass
	06	12.39	9.80		
	11	16.39	14.10		
802.11n(HT40)	03	10.40	7.82	≤ 30.00	Pass
	06	12.34	9.07		
	09	12.63	10.16		

Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	-1.21	≤8.00	Pass
	06	-1.04		
	11	5.28		
802.11g	01	-8.52	≤8.00	Pass
	06	-11.17		
	11	-4.42		
802.11n(HT20)	01	-9.95	≤8.00	Pass
	06	-11.25		
	11	-4.22		
802.11n(HT40)	03	-11.11	≤8.00	Pass
	06	-12.74		
	09	-11.22		

Type:		802.11 b
CH01	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 1.78 ms VBW 100 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MI[1] 1.21 dBm 2.4079880 GHz CF 2.412 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 29_JUN 2021 11:05:46 </p>	
CH06	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 1.78 ms VBW 100 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MI[1] -1.04 dBm 2.4389980 GHz CF 2.437 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 29_JUN 2021 11:40:24 </p>	
CH11	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 1.78 ms VBW 100 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MI[1] 5.28 dBm 2.4599860 GHz CF 2.462 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 29_JUN 2021 11:03:08 </p>	

Type:	802.11 g
CH01	<p> Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-15 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] -8.52 dBm 2.4069800 GHz CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 29_JUN 2021 19:10:42 </p>
CH06	<p> Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-15 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] -11.17 dBm 2.4394980 GHz CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 29_JUN 2021 19:16:09 </p>
CH11	<p> Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-15 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] -4.42 dBm 2.4607260 GHz CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 29_JUN 2021 19:07:45 </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 1 Frequency Sweep MI[1] 9.95 dBm 2.4069800 GHz CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 29_JUN 2021 19:25:21 </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 1 Frequency Sweep MI[1] -11.25 dBm 2.4419700 GHz CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 29_JUN 2021 19:29:23 </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 1 Frequency Sweep MI[1] -4.22 dBm 2.4607260 GHz CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 29_JUN 2021 19:23:06 </p>

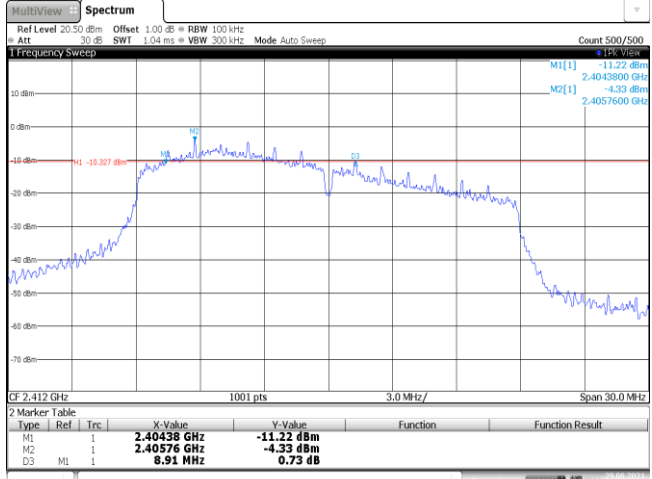
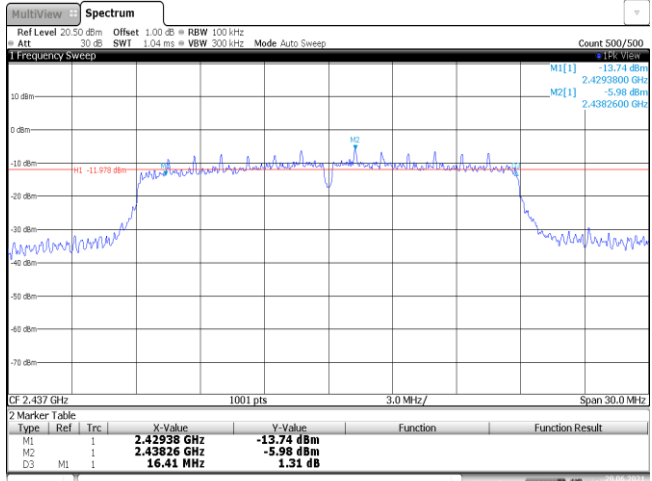
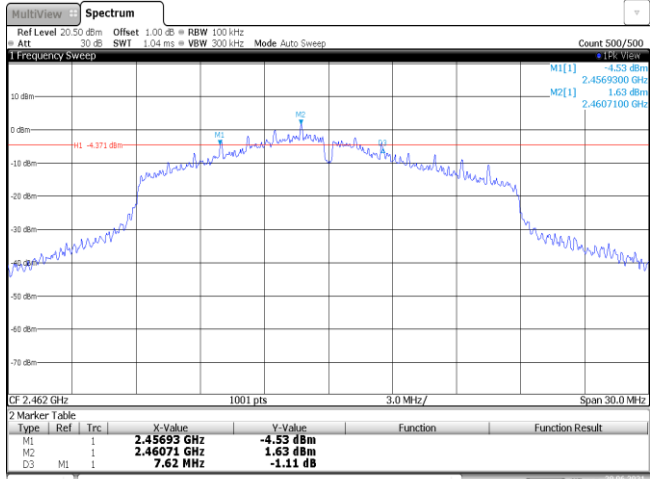
Type:	802.11n(HT40)	
CH03	<p>Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 558 us (~27 ms) VBW 100 kHz Mode Auto FFT</p> <p>Count 100/100 MI[1] -11.11 dBm 2.4070000 GHz</p> <p>CF 2.422 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz</p> <p>Date: 29_JUN 2021 19:45:56</p>	
CH06	<p>Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 558 us (~27 ms) VBW 100 kHz Mode Auto FFT</p> <p>Count 100/100 MI[1] -12.74 dBm 2.4544730 GHz</p> <p>CF 2.437 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz</p> <p>Date: 29_JUN 2021 19:47:24</p>	
CH09	<p>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</p> <p>Count 100/100 MI[1] -11.22 dBm 2.4606810 GHz</p> <p>CF 2.452 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz</p> <p>Date: 29_JUN 2021 19:54:00</p>	

Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	8.13	≥0.5	Pass
	06	9.66		
	11	6.63		
802.11g	01	6.39	≥0.5	Pass
	06	15.81		
	11	6.42		
802.11n(HT20)	01	8.91	≥0.5	Pass
	06	16.41		
	11	7.62		
802.11n(HT40)	03	6.42	≥0.5	Pass
	06	35.76		
	09	7.68		

Type:	802.11 b																												
CH01	<p>1 Frequency Sweep</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>M1[1] 2.40591000 GHz 7.36 dBm M2[1] 2.40897000 GHz 0.60 dBm</p> <p>CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.40591 GHz</td> <td>-7.36 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.40897 GHz</td> <td>0.60 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>8.13 MHz</td> <td>1.00 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 11:25:23</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1		1	2.40591 GHz	-7.36 dBm			M2		1	2.40897 GHz	0.60 dBm			D3	M1	1	8.13 MHz	1.00 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1		1	2.40591 GHz	-7.36 dBm																									
M2		1	2.40897 GHz	0.60 dBm																									
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CH06	<p>1 Frequency Sweep</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>M1[1] 2.43210000 GHz 8.35 dBm M2[1] 2.43898000 GHz -1.18 dBm</p> <p>CF 2.437 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.43241 GHz</td> <td>-8.35 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.43898 GHz</td> <td>-1.18 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>9.66 MHz</td> <td>-1.37 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 11:26:56</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1		1	2.43241 GHz	-8.35 dBm			M2		1	2.43898 GHz	-1.18 dBm			D3	M1	1	9.66 MHz	-1.37 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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CH11	<p>1 Frequency Sweep</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>M1[1] 2.45630000 GHz -1.16 dBm M2[1] 2.46050000 GHz 4.95 dBm</p> <p>CF 2.462 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td></td> <td>1</td> <td>2.45693 GHz</td> <td>-1.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td></td> <td>1</td> <td>2.4605 GHz</td> <td>4.95 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>6.63 MHz</td> <td>-1.14 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 11:27:40</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1		1	2.45693 GHz	-1.16 dBm			M2		1	2.4605 GHz	4.95 dBm			D3	M1	1	6.63 MHz	-1.14 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1		1	2.45693 GHz	-1.16 dBm																									
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D3	M1	1	6.63 MHz	-1.14 dB																									

Type:	802.11 g																												
CH01	<p>1 Frequency Sweep</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>M1(1) -10.59 dBm M2(1) 2.404100 GHz M3(1) 2.406900 GHz</p> <p>CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.40441 GHz</td> <td>-10.59 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.40699 GHz</td> <td>-3.02 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>6.39 MHz</td> <td>1.36 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 19:09:50</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40441 GHz	-10.59 dBm			M2	1		2.40699 GHz	-3.02 dBm			D3	M1	1	6.39 MHz	1.36 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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M2	1		2.40699 GHz	-3.02 dBm																									
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CH06	<p>1 Frequency Sweep</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>M1(1) -14.00 dBm M2(1) 2.429380 GHz M3(1) 2.438260 GHz</p> <p>CF 2.437 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.42938 GHz</td> <td>-14.00 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.43826 GHz</td> <td>-6.46 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.81 MHz</td> <td>-0.19 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 19:12:63</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.42938 GHz	-14.00 dBm			M2	1		2.43826 GHz	-6.46 dBm			D3	M1	1	15.81 MHz	-0.19 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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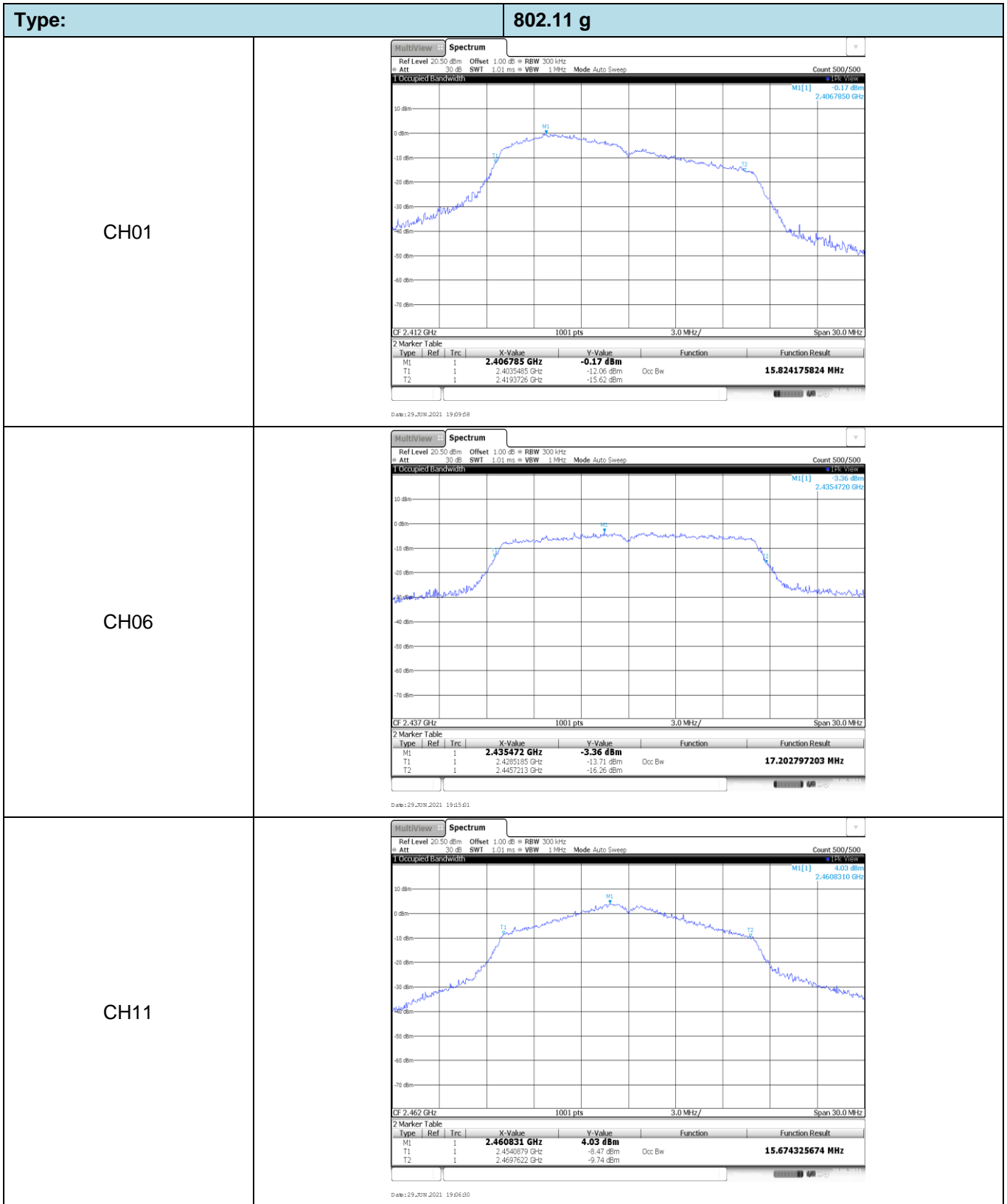
Type:	802.11n(HT20)																												
CH01	 <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep</p> <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</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>2.40438 GHz</td> <td>-11.22 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.40576 GHz</td> <td>-4.33 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>8.91 MHz</td> <td>0.73 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 19:04:29</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40438 GHz	-11.22 dBm			M2	1		2.40576 GHz	-4.33 dBm			D3	M1	1	8.91 MHz	0.73 dB		
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Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.45693 GHz	-4.53 dBm																									
M2	1		2.46071 GHz	1.63 dBm																									
D3	M1	1	7.62 MHz	-1.11 dB																									


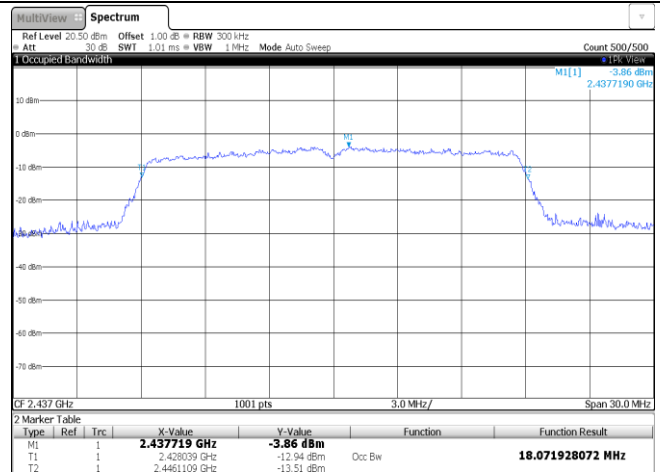
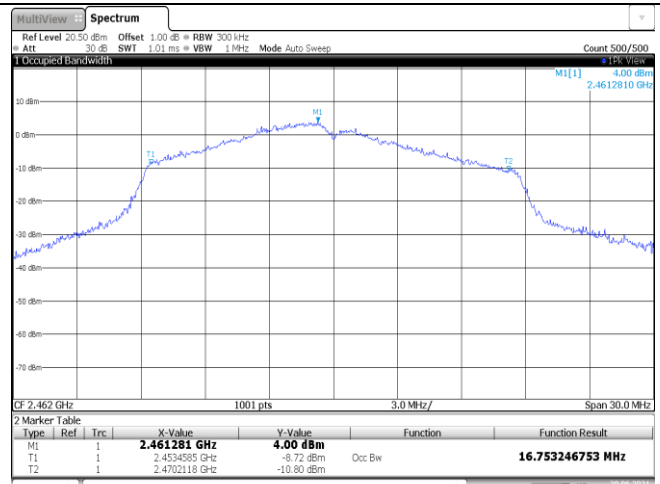
Type:	802.11n(HT40)																												
CH03	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.07 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep M1(1) -11.17 dBm M2(1) 2.4069400 GHz 2.4069400 GHz</p> <p>CF 2.422 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz</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>1</td> <td></td> <td>2.40436 GHz</td> <td>-11.17 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.40694 GHz</td> <td>-4.55 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>6.42 MHz</td> <td>-1.09 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 19:48:47</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40436 GHz	-11.17 dBm			M2	1		2.40694 GHz	-4.55 dBm			D3	M1	1	6.42 MHz	-1.09 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.40436 GHz	-11.17 dBm																									
M2	1		2.40694 GHz	-4.55 dBm																									
D3	M1	1	6.42 MHz	-1.09 dB																									
CH06	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.07 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep M1(1) -12.85 dBm M2(1) 2.4545200 GHz 2.4545200 GHz</p> <p>CF 2.437 GHz 1001 pts 6.0 MHz/ 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>1</td> <td></td> <td>2.41942 GHz</td> <td>-12.85 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.45452 GHz</td> <td>-6.48 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>35.76 MHz</td> <td>-0.33 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 19:44:06</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41942 GHz	-12.85 dBm			M2	1		2.45452 GHz	-6.48 dBm			D3	M1	1	35.76 MHz	-0.33 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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M2	1		2.45452 GHz	-6.48 dBm																									
D3	M1	1	35.76 MHz	-0.33 dB																									
CH09	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.07 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep M1(1) -10.81 dBm M2(1) 2.4607000 GHz 2.4607000 GHz</p> <p>CF 2.452 GHz 1001 pts 6.0 MHz/ 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>1</td> <td></td> <td>2.45692 GHz</td> <td>-10.81 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4607 GHz</td> <td>-4.22 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>7.68 MHz</td> <td>-1.20 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 19:51:41</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.45692 GHz	-10.81 dBm			M2	1		2.4607 GHz	-4.22 dBm			D3	M1	1	7.68 MHz	-1.20 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.45692 GHz	-10.81 dBm																									
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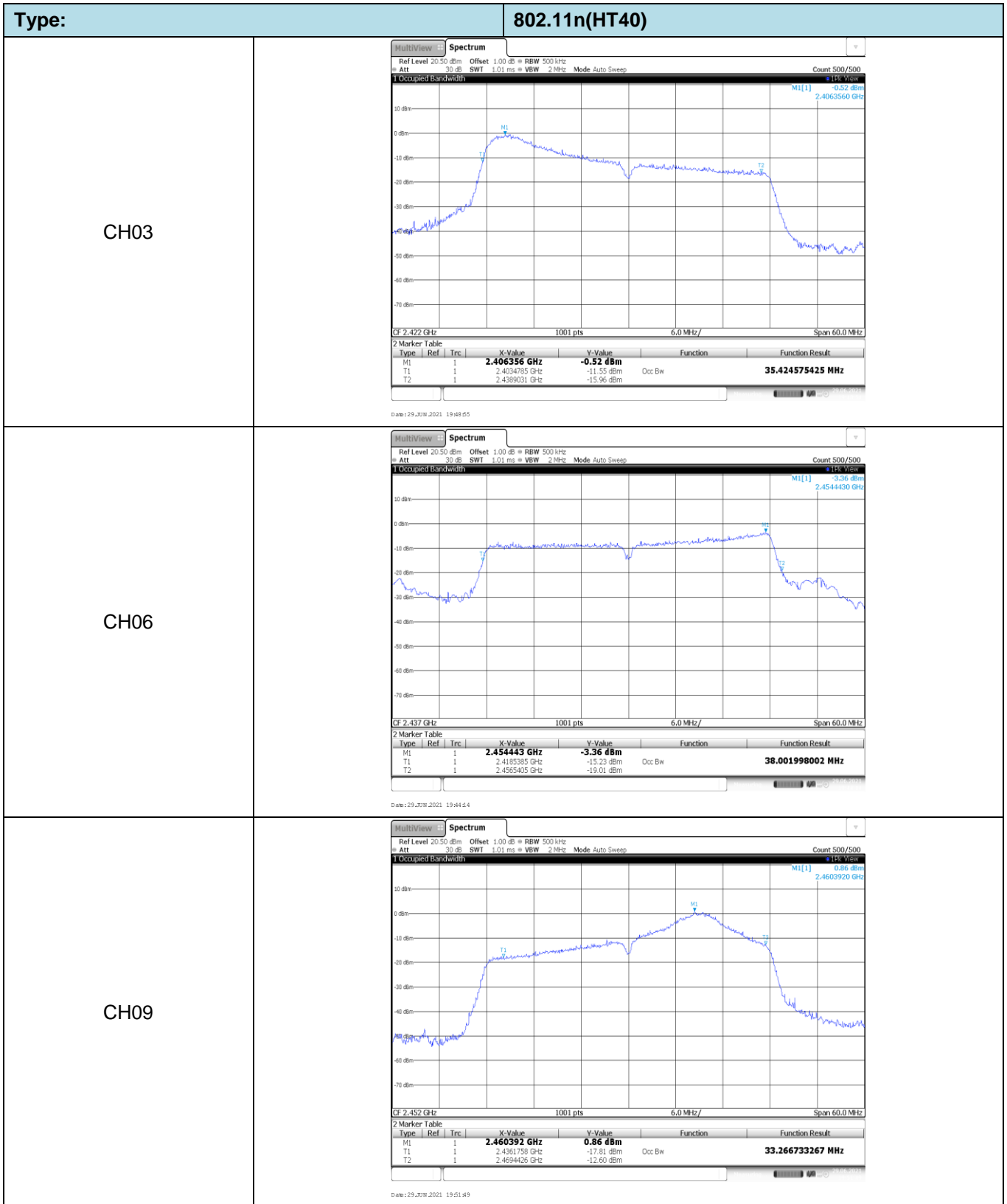
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	12.62	-	Pass
	06	13.85		
	11	13.61		
802.11g	01	15.82	-	Pass
	06	17.20		
	11	15.67		
802.11n(HT20)	01	16.81	-	Pass
	06	18.07		
	11	16.75		
802.11n(HT40)	03	35.42	-	Pass
	06	38.00		
	09	33.27		

Type:	802.11 b																												
CH01	<p>1 Occupied Bandwidth</p> <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth M1[1] 1.05 dBm 2.408494 GHz</p> <p>CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.408494 GHz</td> <td>1.05 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4043676 GHz</td> <td>-13.67 dBm</td> <td>Occ Bw</td> <td>12.617382617 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.417005 GHz</td> <td>-12.28 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 11:05:02</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.408494 GHz	1.05 dBm			T1	1		2.4043676 GHz	-13.67 dBm	Occ Bw	12.617382617 MHz	T2	1		2.417005 GHz	-12.28 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.408494 GHz	1.05 dBm																									
T1	1		2.4043676 GHz	-13.67 dBm	Occ Bw	12.617382617 MHz																							
T2	1		2.417005 GHz	-12.28 dBm																									
CH06	<p>1 Occupied Bandwidth</p> <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth M1[1] -0.73 dBm 2.438499 GHz</p> <p>CF 2.437 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.438499 GHz</td> <td>-0.73 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4302268 GHz</td> <td>-17.39 dBm</td> <td>Occ Bw</td> <td>13.846153846 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4460729 GHz</td> <td>-14.84 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 11:09:04</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.438499 GHz	-0.73 dBm			T1	1		2.4302268 GHz	-17.39 dBm	Occ Bw	13.846153846 MHz	T2	1		2.4460729 GHz	-14.84 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.438499 GHz	-0.73 dBm																									
T1	1		2.4302268 GHz	-17.39 dBm	Occ Bw	13.846153846 MHz																							
T2	1		2.4460729 GHz	-14.84 dBm																									
CH11	<p>1 Occupied Bandwidth</p> <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth M1[1] 5.45 dBm 2.459992 GHz</p> <p>CF 2.462 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.459992 GHz</td> <td>5.45 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4546673 GHz</td> <td>-14.50 dBm</td> <td>Occ Bw</td> <td>13.606393606 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4662937 GHz</td> <td>-12.90 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 11:07:49</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.459992 GHz	5.45 dBm			T1	1		2.4546673 GHz	-14.50 dBm	Occ Bw	13.606393606 MHz	T2	1		2.4662937 GHz	-12.90 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.459992 GHz	5.45 dBm																									
T1	1		2.4546673 GHz	-14.50 dBm	Occ Bw	13.606393606 MHz																							
T2	1		2.4662937 GHz	-12.90 dBm																									

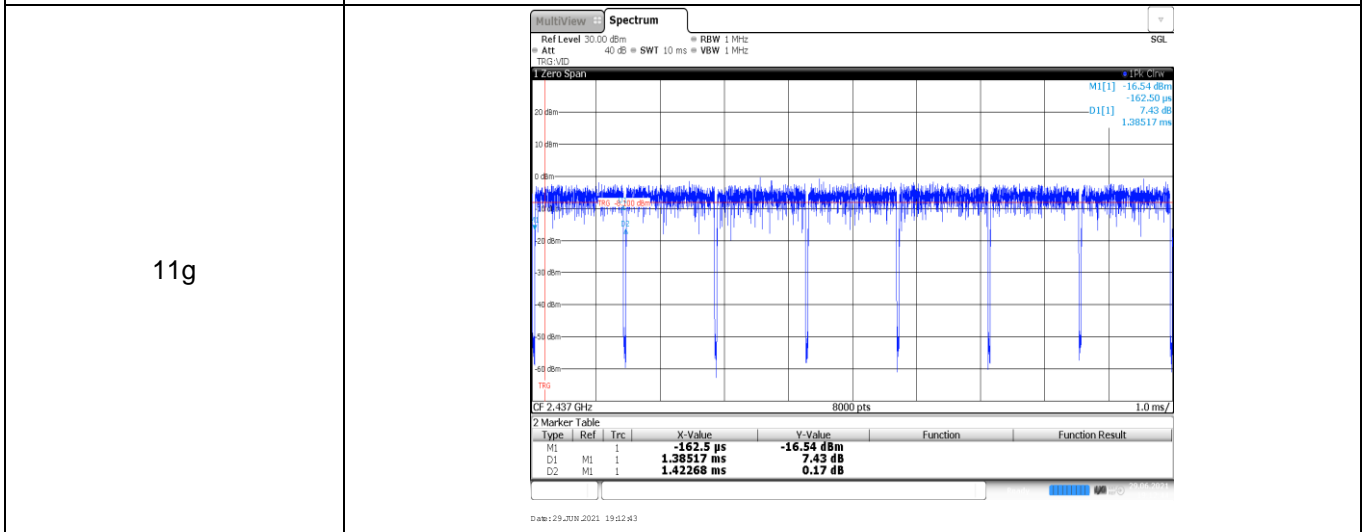
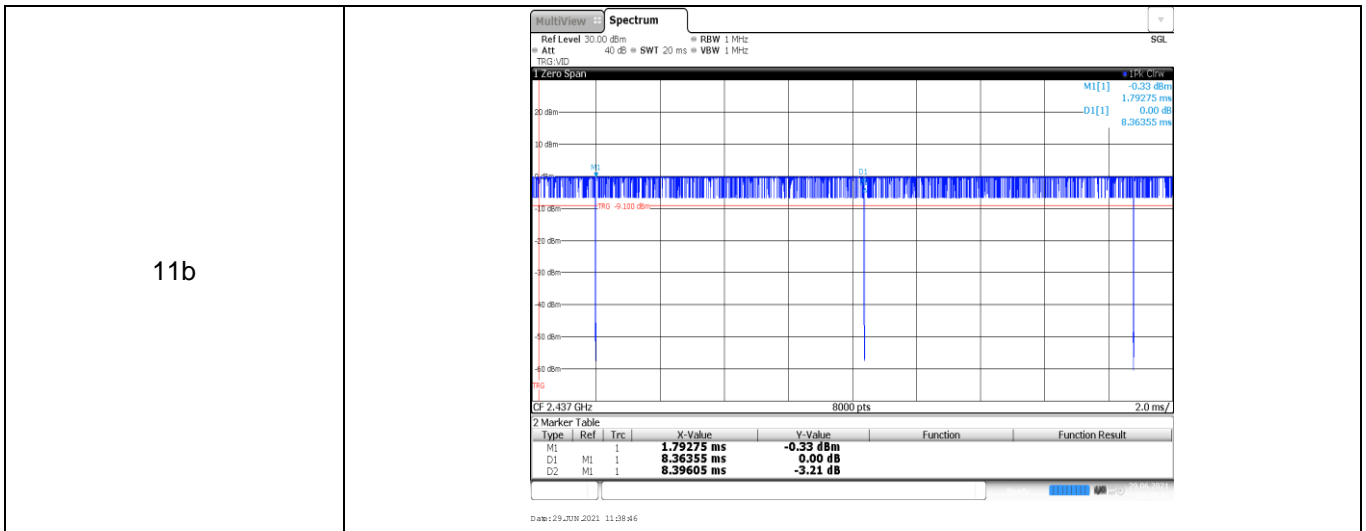


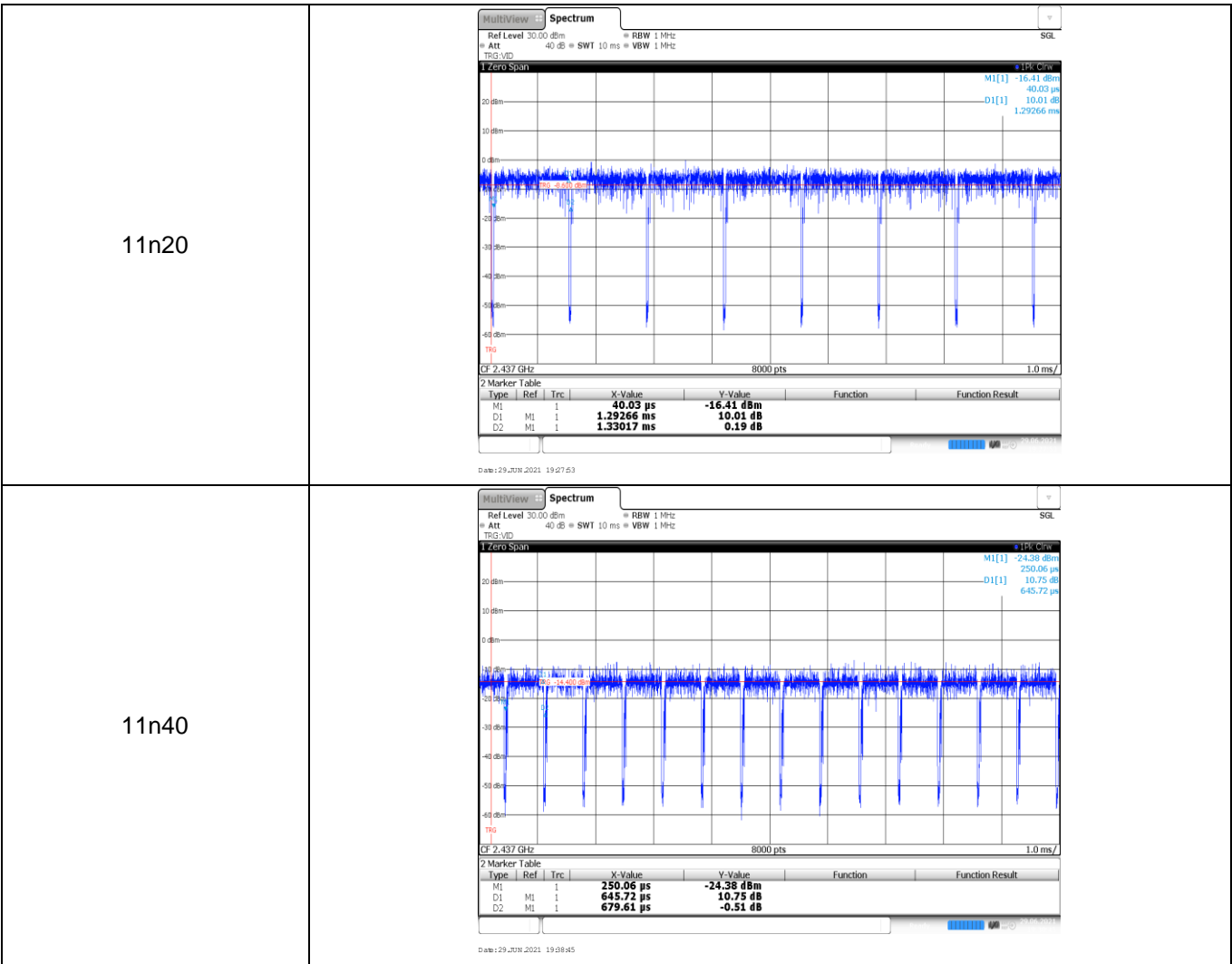
Type:	802.11n(HT20)																												
CH01	 <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>Occupied Bandwidth</p> <p>MI(1) 0.69 dBm 2.4069050 GHz</p> <p>GI 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <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>2.406905 GHz</td> <td>-0.69 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4030989 GHz</td> <td>-11.63 dBm</td> <td>Occ Bw</td> <td>16.813186813 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4199121 GHz</td> <td>-15.81 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 19:24:06</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.406905 GHz	-0.69 dBm			T1	1		2.4030989 GHz	-11.63 dBm	Occ Bw	16.813186813 MHz	T2	1		2.4199121 GHz	-15.81 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.406905 GHz	-0.69 dBm																									
T1	1		2.4030989 GHz	-11.63 dBm	Occ Bw	16.813186813 MHz																							
T2	1		2.4199121 GHz	-15.81 dBm																									
CH06	 <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>Occupied Bandwidth</p> <p>MI(1) 3.86 dBm 2.4377190 GHz</p> <p>GI 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>2.437719 GHz</td> <td>-3.86 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.428039 GHz</td> <td>-12.94 dBm</td> <td>Occ Bw</td> <td>18.071928072 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4461109 GHz</td> <td>-13.51 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 19:29:11</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.437719 GHz	-3.86 dBm			T1	1		2.428039 GHz	-12.94 dBm	Occ Bw	18.071928072 MHz	T2	1		2.4461109 GHz	-13.51 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.437719 GHz	-3.86 dBm																									
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CH11	 <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>Occupied Bandwidth</p> <p>MI(1) 4.00 dBm 2.4612810 GHz</p> <p>GI 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>2.461281 GHz</td> <td>4.00 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4534385 GHz</td> <td>-8.72 dBm</td> <td>Occ Bw</td> <td>16.753246753 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4702118 GHz</td> <td>-10.80 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 19:21:00</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.461281 GHz	4.00 dBm			T1	1		2.4534385 GHz	-8.72 dBm	Occ Bw	16.753246753 MHz	T2	1		2.4702118 GHz	-10.80 dBm		
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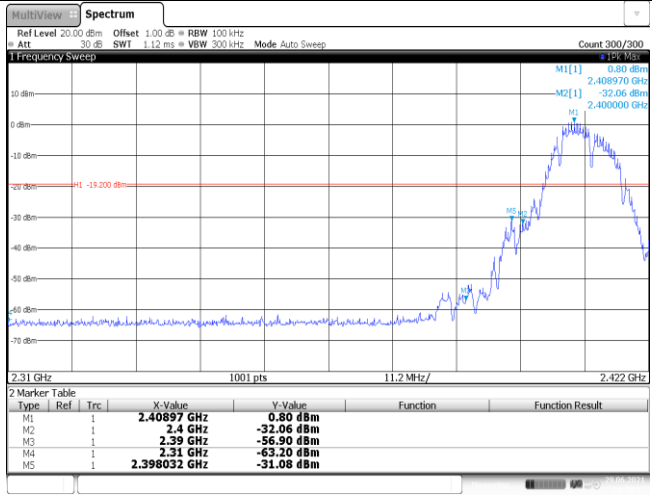
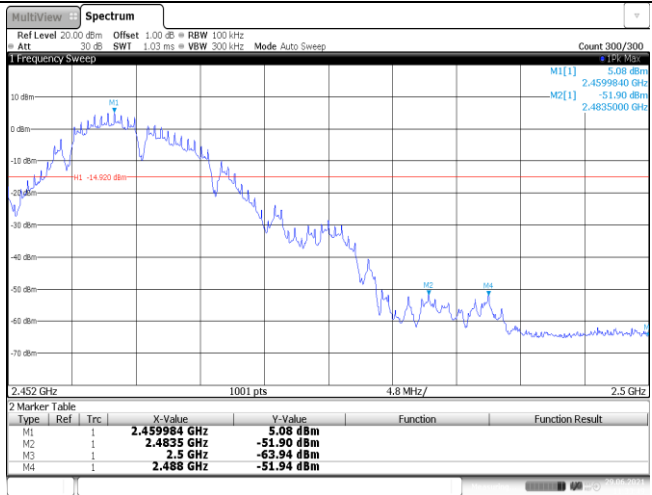
Appendix E: Duty Cycle

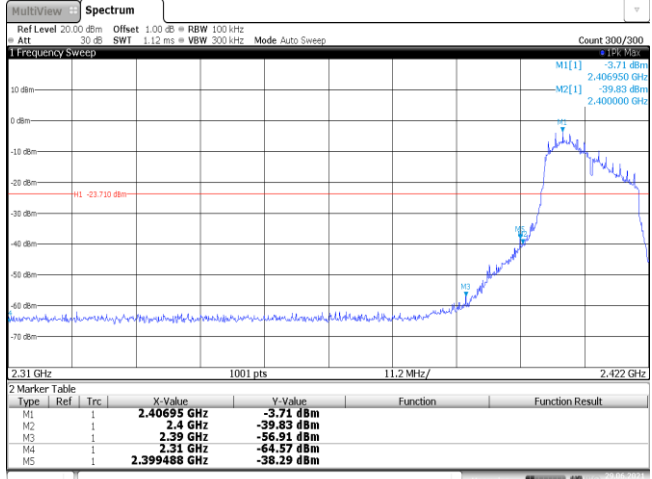
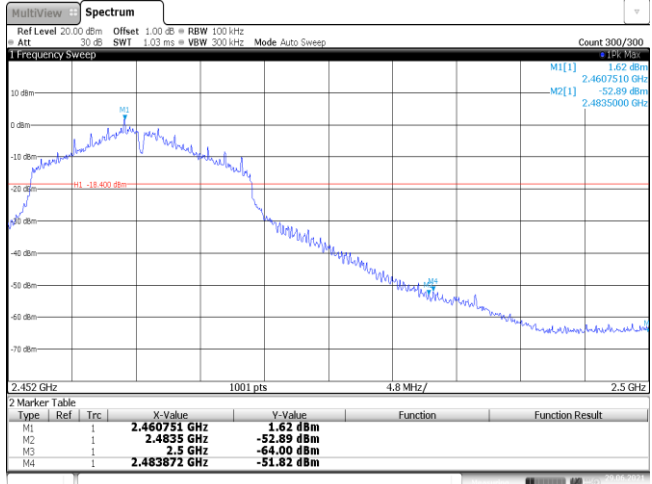
Modulation Type	Test Frequency (MHz)	T _{on time} for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on time} (kHz)
11b	2437	8.36	8.40	99.5%	0.1
11g	2437	1.39	1.42	97.9%	0.7
11n20	2437	1.29	1.33	97.0%	0.8
11n40	2437	0.65	0.68	95.6%	1.5

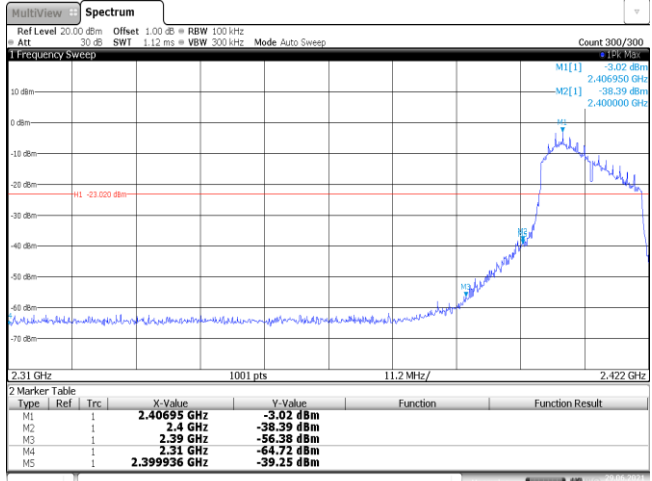
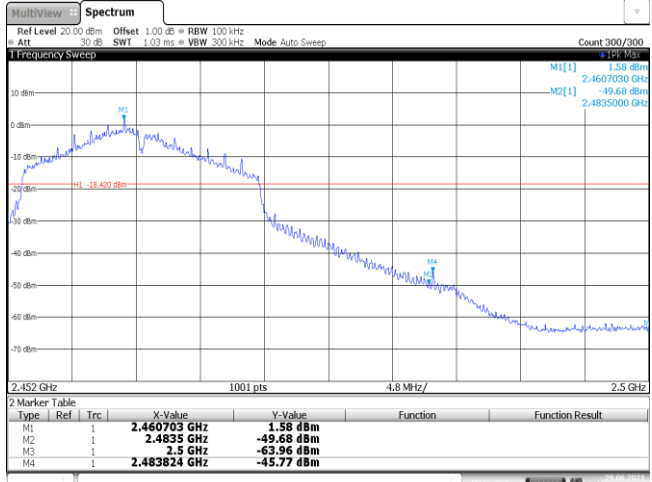


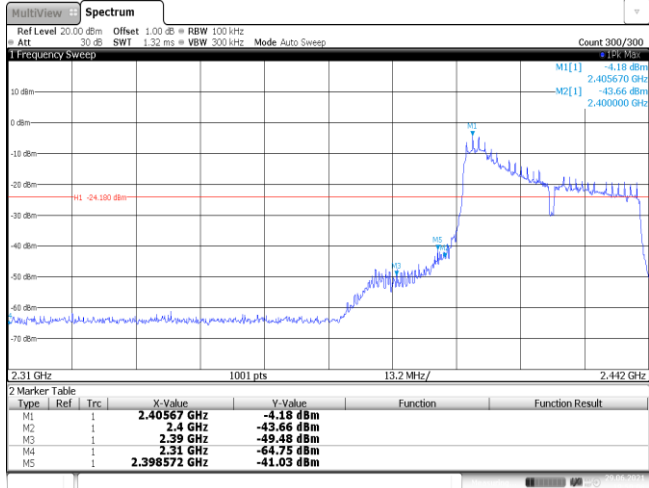
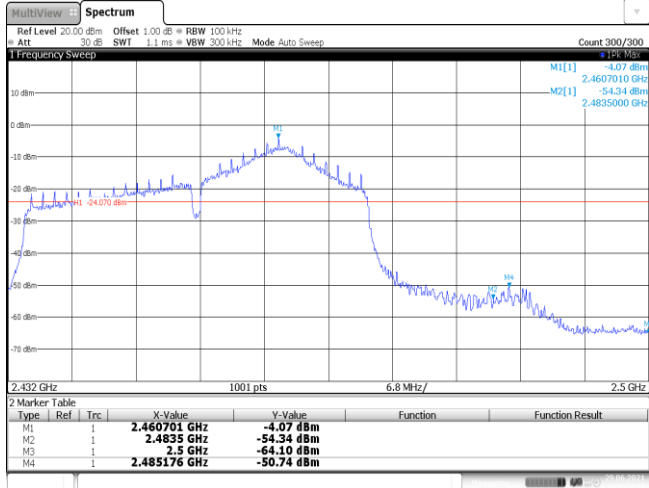


Appendix F: Band edge and Spurious Emissions (conducted)

Test Item:	Bandedge	Type:	802.11 b																																										
CH01	 <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.40897 GHz</td> <td>0.80 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-32.06 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-56.90 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-63.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.398032 GHz</td> <td>-31.08 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 11:36:56</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40897 GHz	0.80 dBm			M2	1		2.4 GHz	-32.06 dBm			M3	1		2.39 GHz	-56.90 dBm			M4	1		2.31 GHz	-63.20 dBm			M5	1		2.398032 GHz	-31.08 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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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>2.459984 GHz</td> <td>5.08 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-51.90 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-63.94 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.488 GHz</td> <td>-51.94 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 11:33:48</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.459984 GHz	5.08 dBm			M2	1		2.4835 GHz	-51.90 dBm			M3	1		2.5 GHz	-63.94 dBm			M4	1		2.488 GHz	-51.94 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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M2	1		2.4835 GHz	-51.90 dBm																																									
M3	1		2.5 GHz	-63.94 dBm																																									
M4	1		2.488 GHz	-51.94 dBm																																									

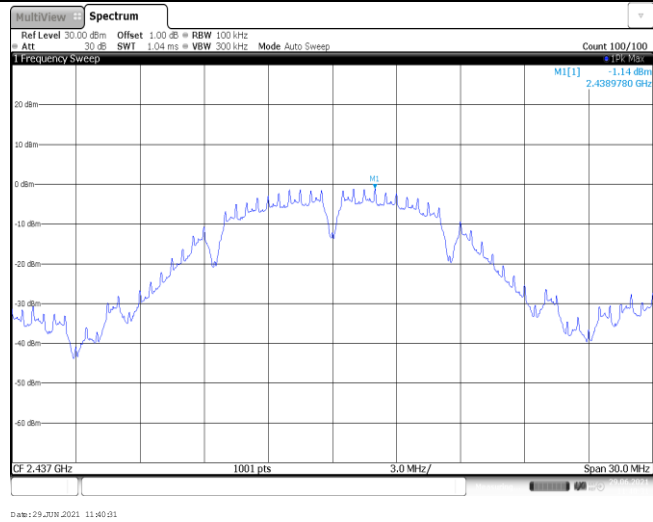
Test Item:	Bandedge	Type:	802.11 g																																										
CH01	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.12 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1 Frequency Sweep</p> <p>2.31 GHz 1001 pts 11.2 MHz/ 2.422 GHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.40695 GHz</td> <td>-3.71 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-39.83 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-56.91 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.57 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399468 GHz</td> <td>-38.29 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 19:10:52</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40695 GHz	-3.71 dBm			M2	1		2.4 GHz	-39.83 dBm			M3	1		2.39 GHz	-56.91 dBm			M4	1		2.31 GHz	-64.57 dBm			M5	1		2.399468 GHz	-38.29 dBm		
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M5	1		2.399468 GHz	-38.29 dBm																																									
CH11	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.03 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1 Frequency Sweep</p> <p>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>2.460751 GHz</td> <td>1.62 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-52.89 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-64.00 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483872 GHz</td> <td>-51.82 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 19:07:25</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.460751 GHz	1.62 dBm			M2	1		2.4835 GHz	-52.89 dBm			M3	1		2.5 GHz	-64.00 dBm			M4	1		2.483872 GHz	-51.82 dBm									
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Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
CH01	 <p>Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.12 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1 Frequency Sweep</p> <p>2.31 GHz 1001 pts 11.2 MHz/ 2.422 GHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.40695 GHz</td> <td>-3.02 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-38.39 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-56.38 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.72 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399936 GHz</td> <td>-39.25 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 29_JUN 2021 19:25:31</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40695 GHz	-3.02 dBm			M2	1		2.4 GHz	-38.39 dBm			M3	1		2.39 GHz	-56.38 dBm			M4	1		2.31 GHz	-64.72 dBm			M5	1		2.399936 GHz	-39.25 dBm		
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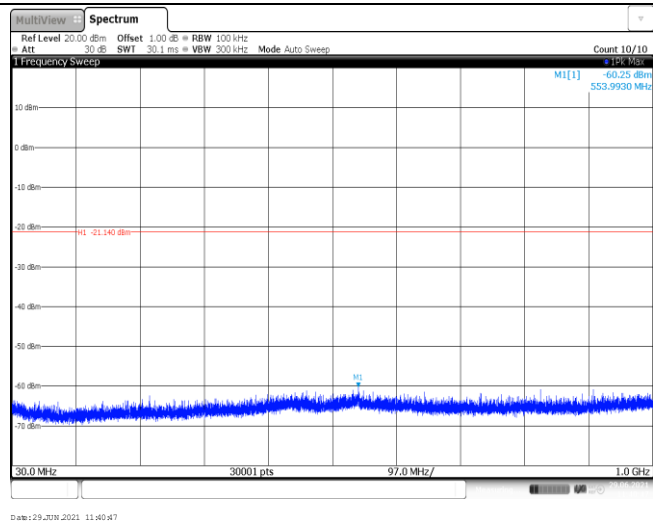
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CH03			
CH09			

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

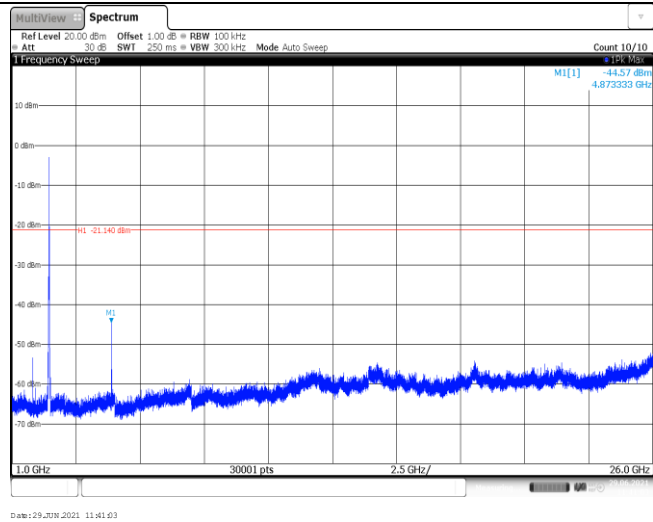
CH06
Reference level



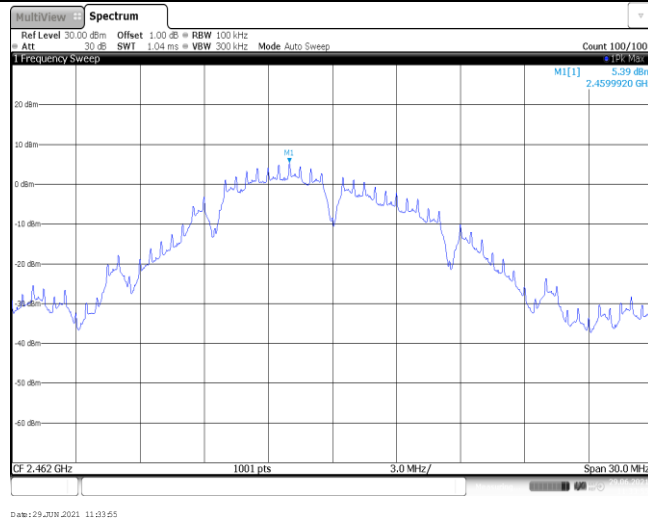
CH06
30MHz~1000MHz



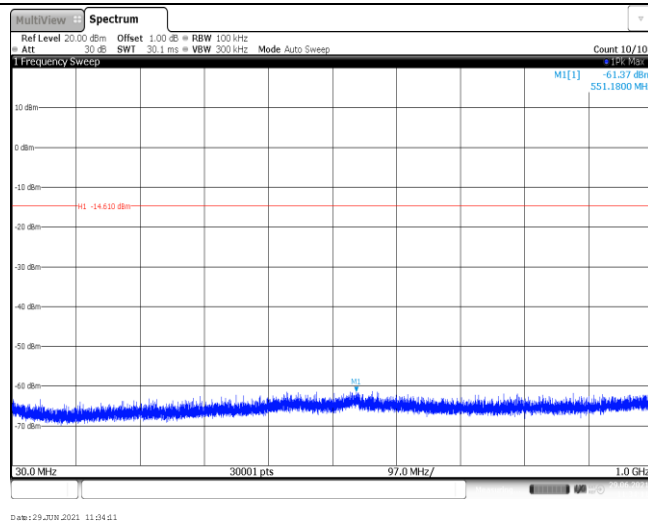
CH06
1GHz~26GHz



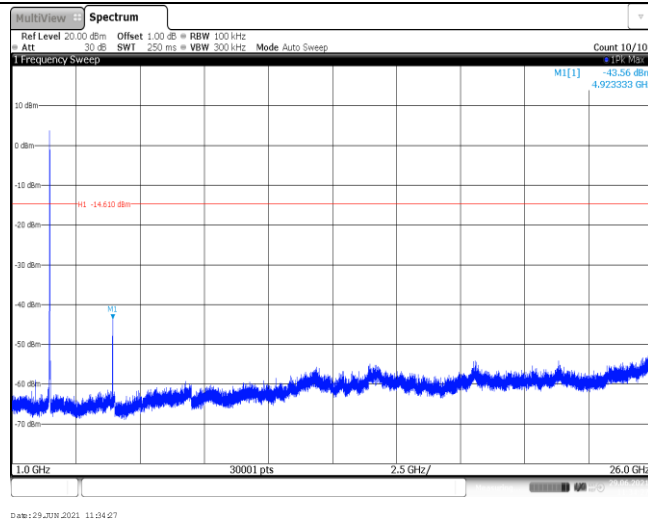
CH11
Reference level

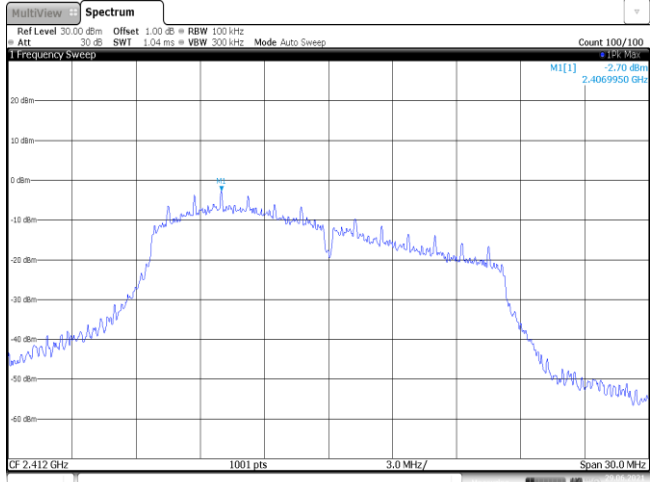
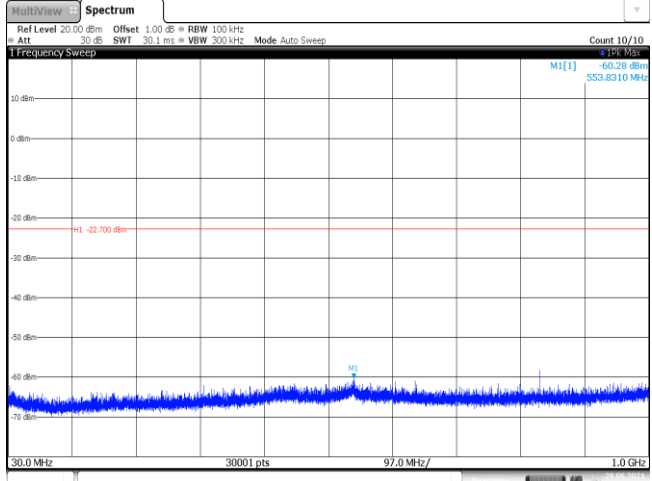
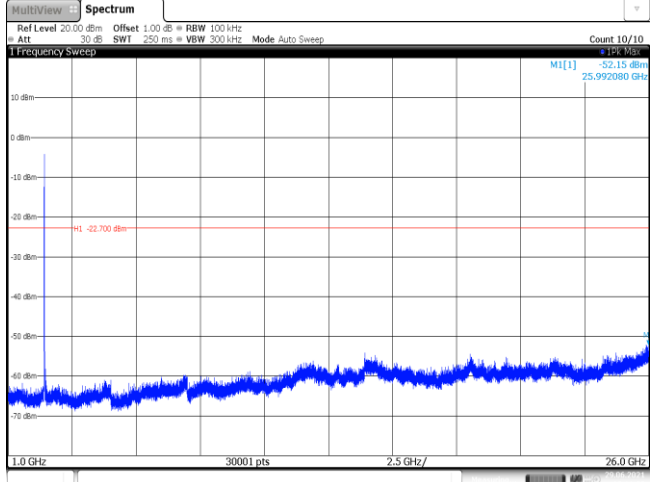


CH11
30MHz~1000MHz

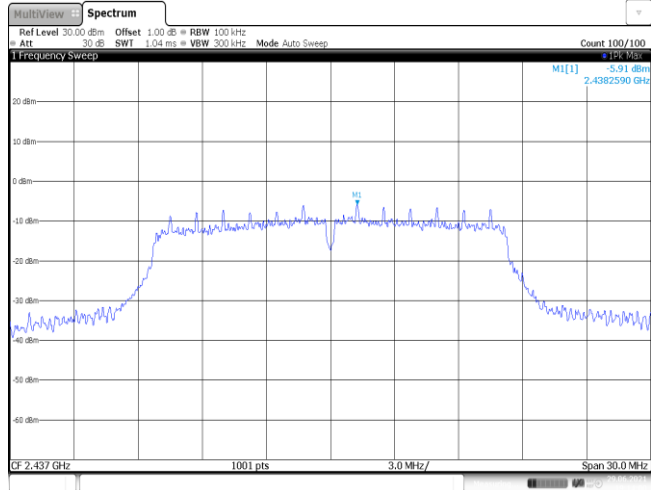


CH11
1GHz~26GHz



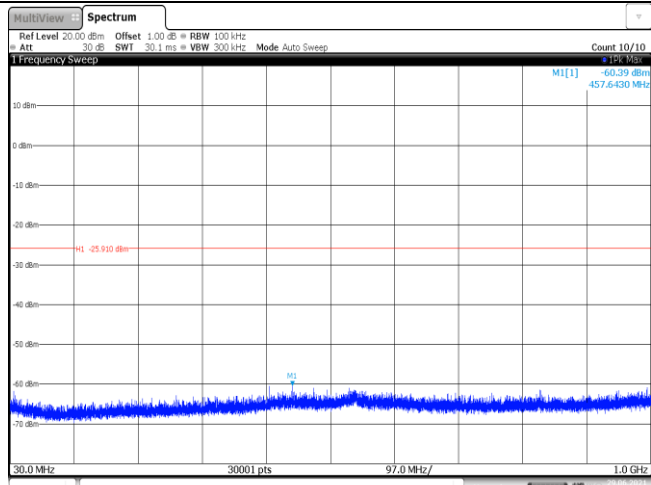
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<p>CH01 1GHz~26GHz</p>			

CH06
Reference level



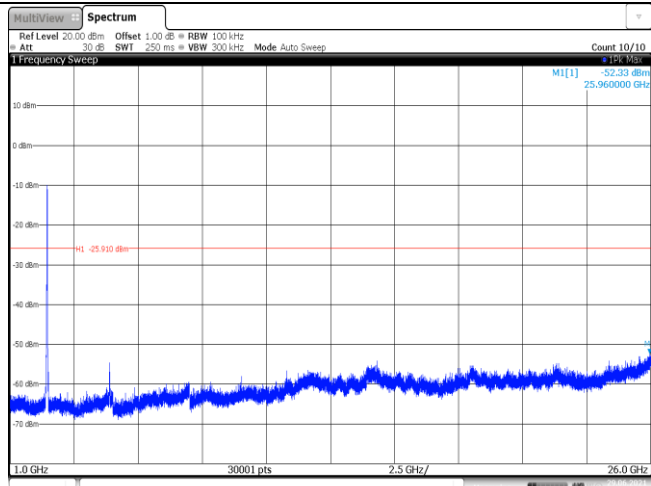
Date: 29_JUN 2021 19:13:59

CH06
30MHz~1000MHz



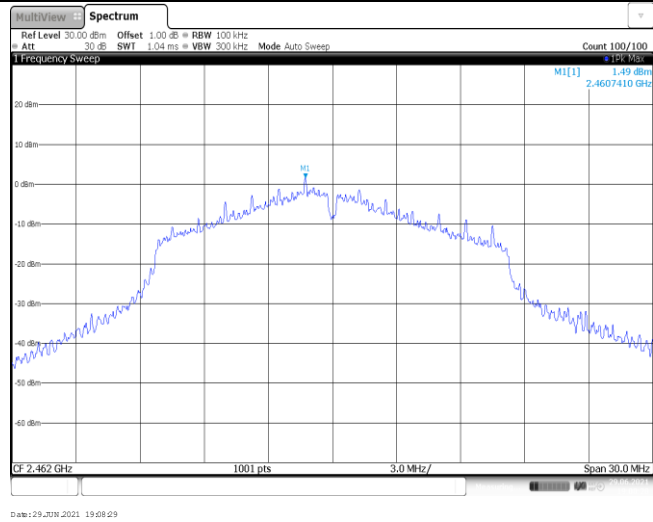
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CH06
1GHz~26GHz

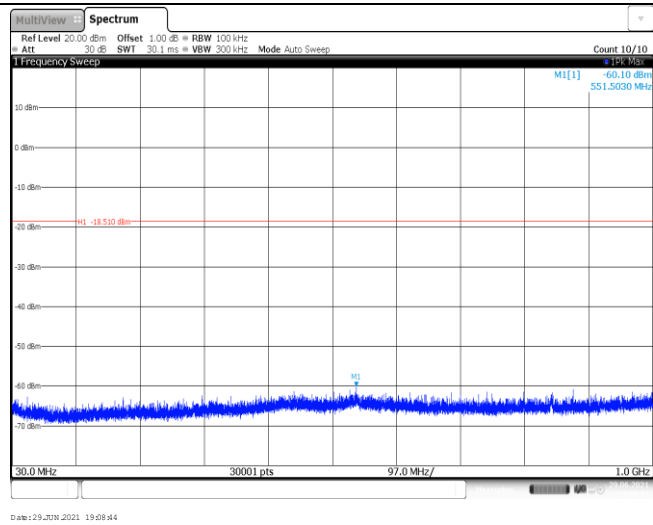


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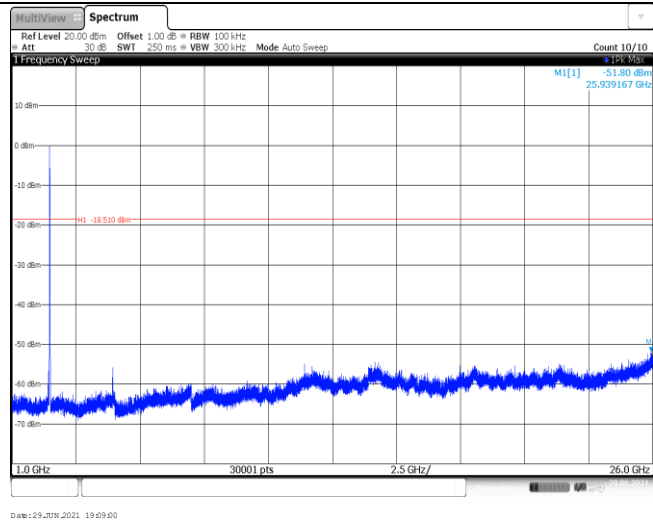
CH11
Reference level

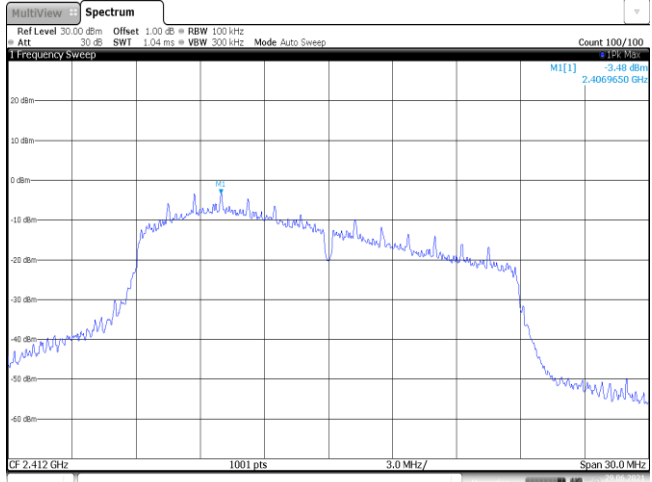
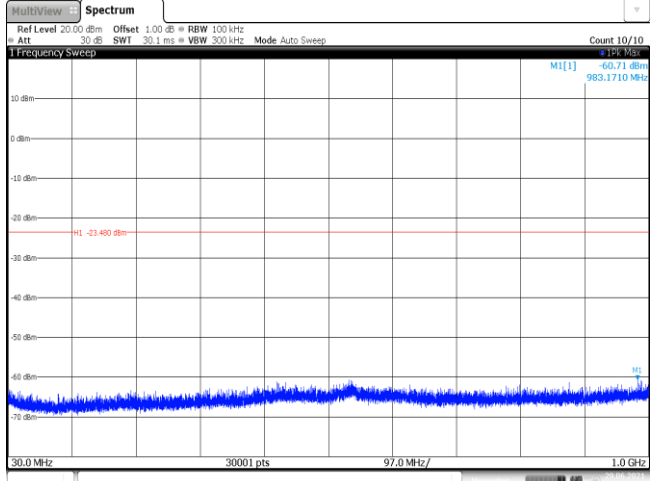
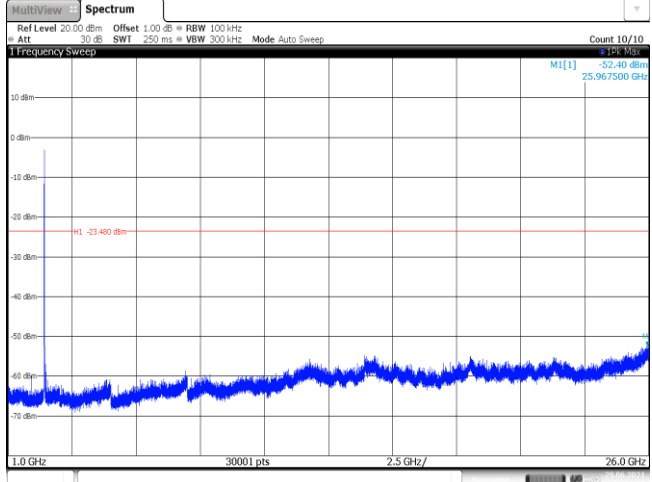


CH11
30MHz~1000MHz

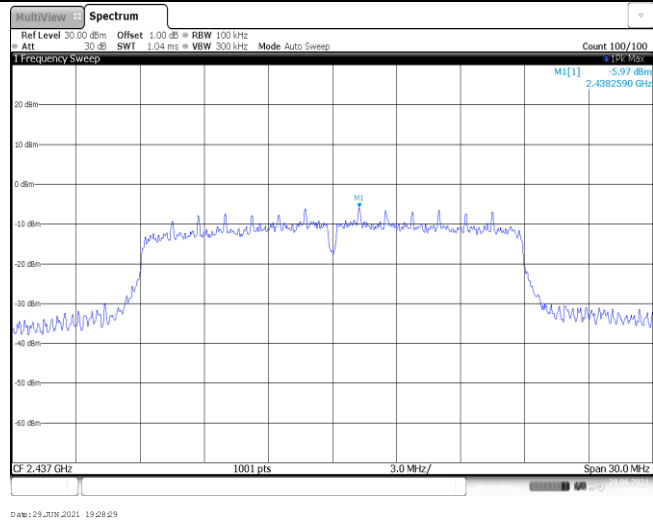


CH11
1GHz~26GHz

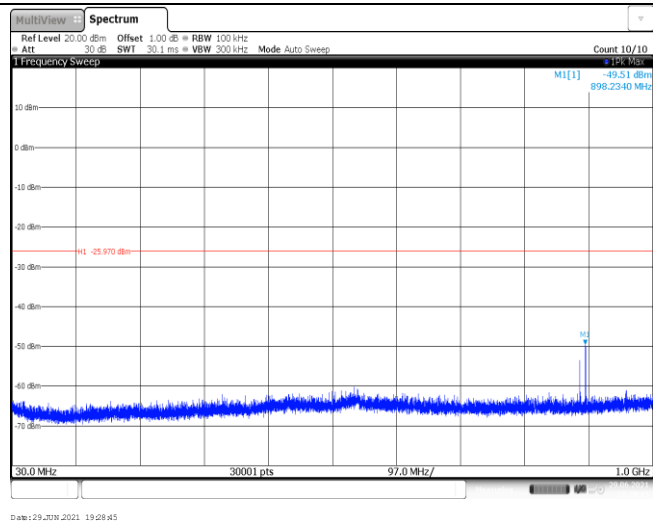


Test Item:	SE	Type:	802.11n(HT20)
<p>CH01 Reference level</p>			
<p>CH01 30MHz~1000MHz</p>			
<p>CH01 1GHz~26GHz</p>			

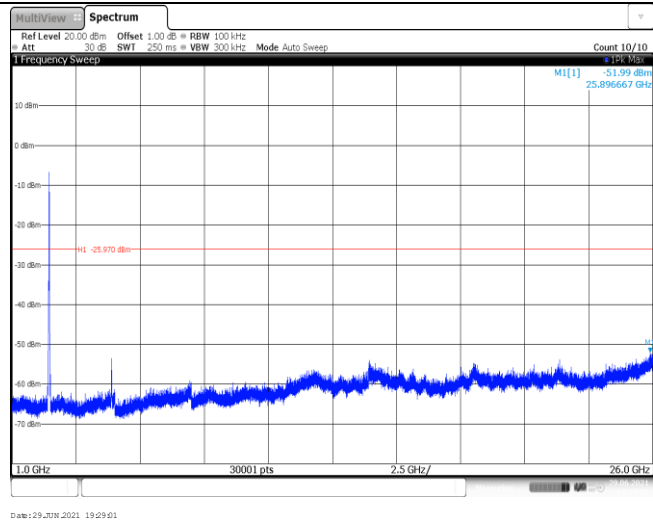
CH06
Reference level



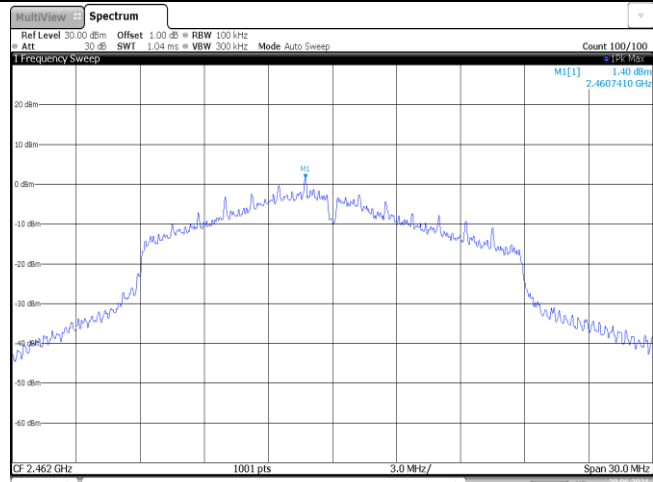
CH06
30MHz~1000MHz



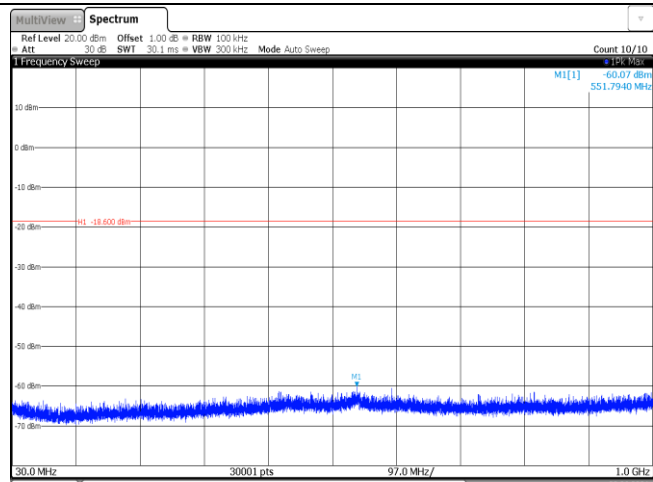
CH06
1GHz~26GHz



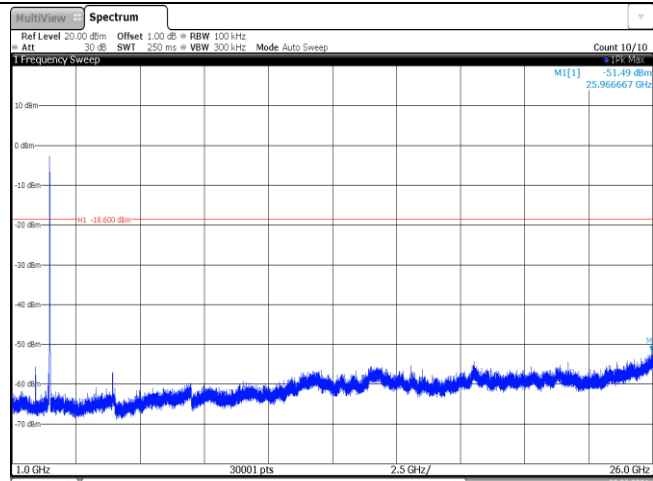
CH11
Reference level



CH11
30MHz~1000MHz

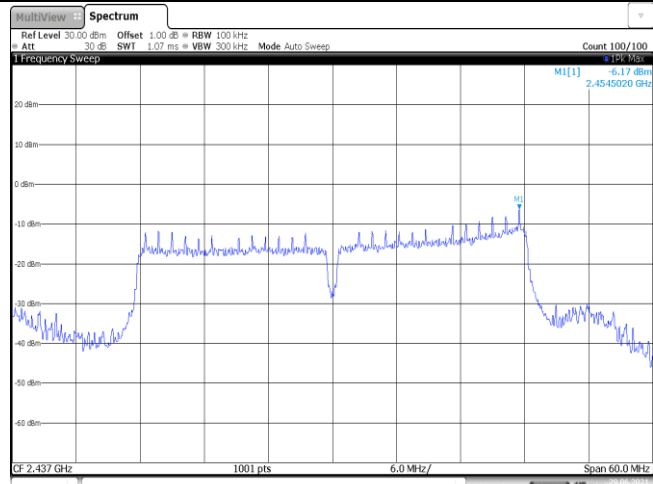


CH11
1GHz~26GHz

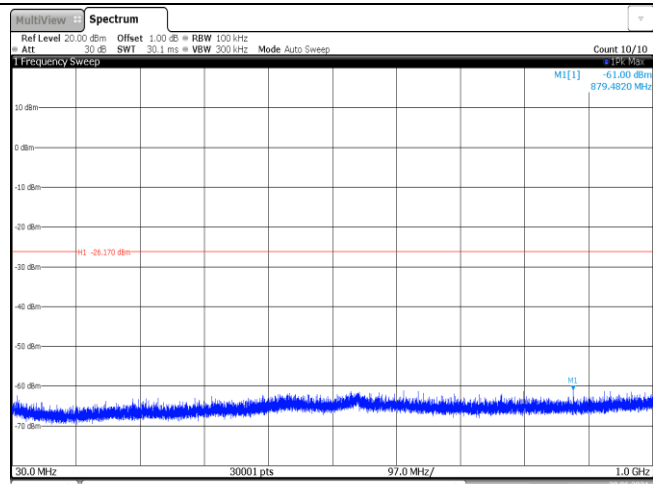


Test Item:	SE	Type:	802.11n(HT40)
<p>CH03 Reference level</p>			
<p>CH03 30MHz~1000MHz</p>			
<p>CH03 1GHz~26GHz</p>			

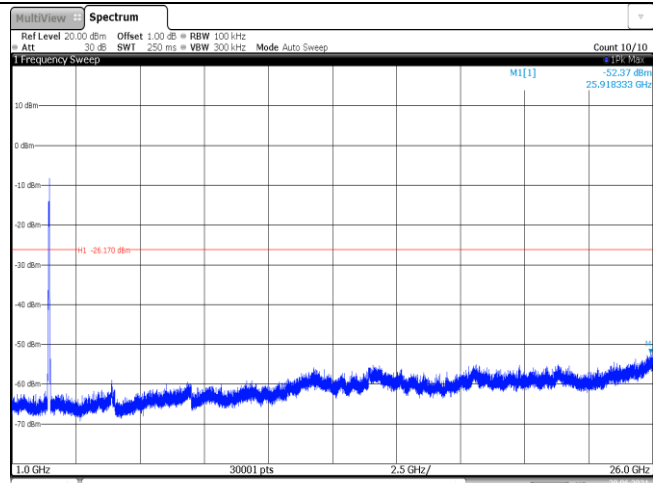
CH06
Reference level



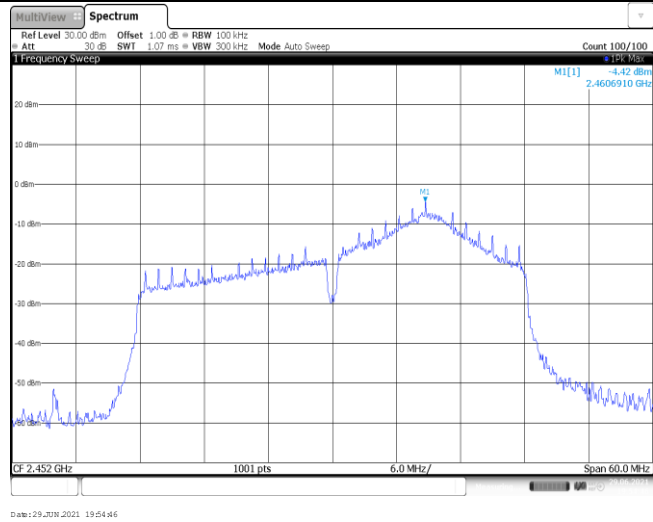
CH06
30MHz~1000MHz



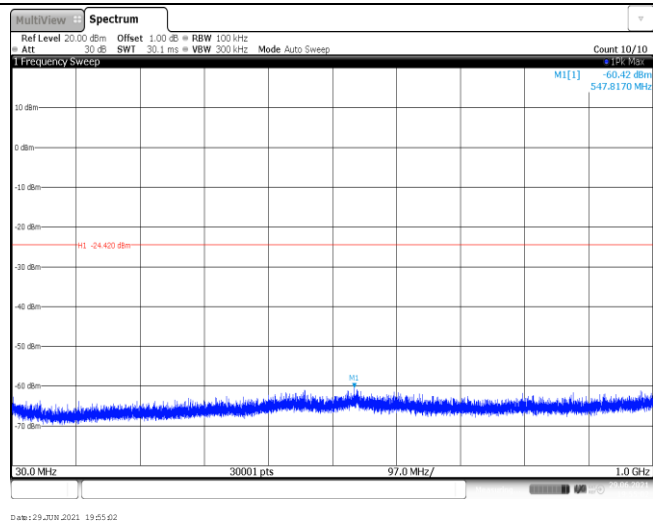
CH06
1GHz~26GHz



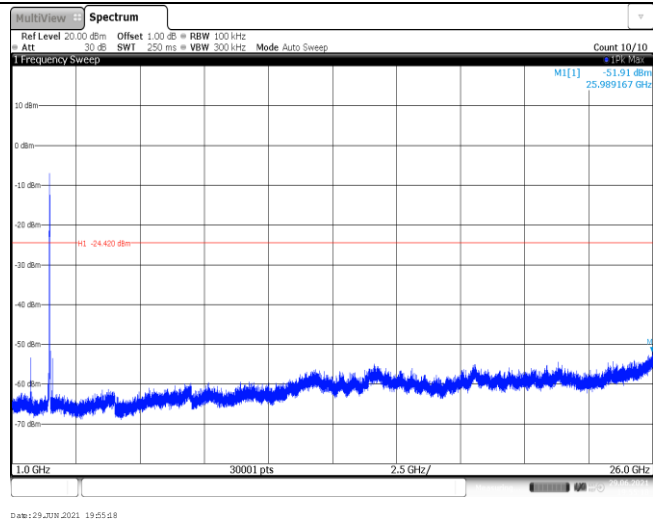
CH09
Reference level



CH09
30MHz~1000MHz



CH09
1GHz~26GHz



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