

APPENDIX REPORT

Project No.	SHT2210112901EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT22101129001	Model No.	Stark 8
Start test date	2022-11-15	Finish date	2022-11-16
Temperature	25.7°C	Humidity	39%
Test Engineer	Xiaoxiao Li	Auditor	Xiaodong Zhe

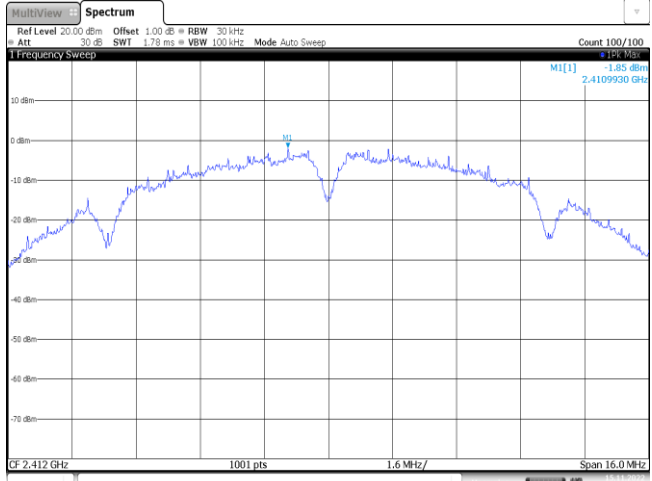
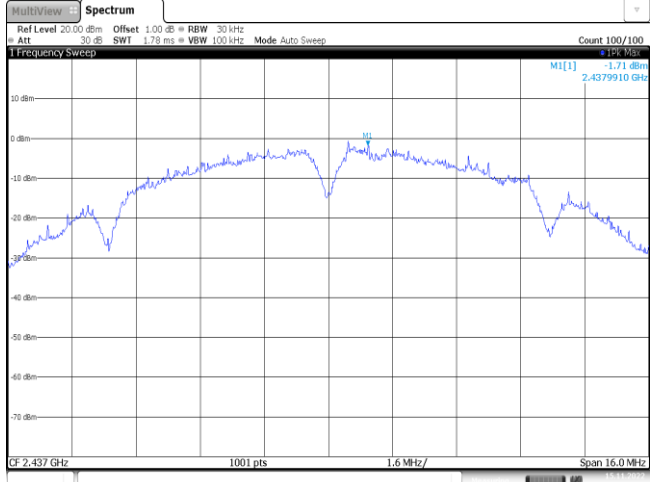
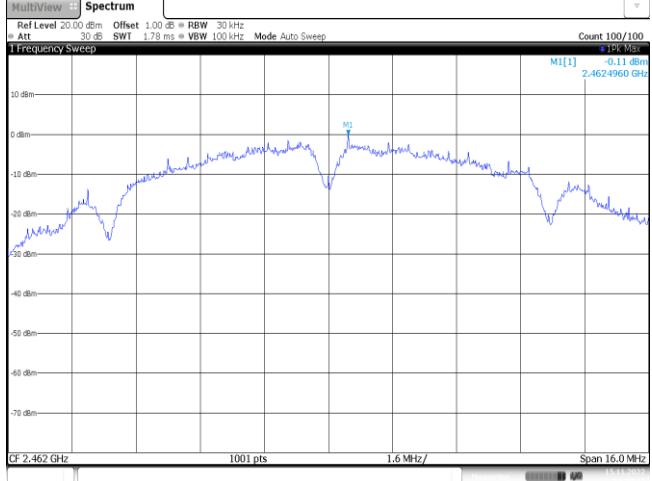
Appendix clause	Test item	Result
A	Conducted Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

Appendix A: Conducted Peak Output Power

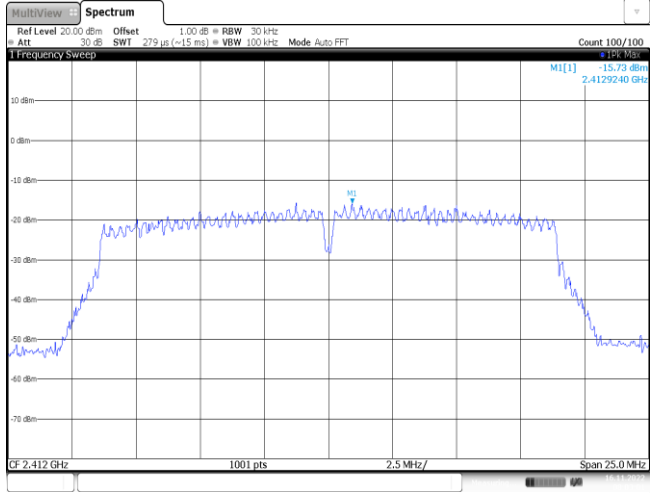
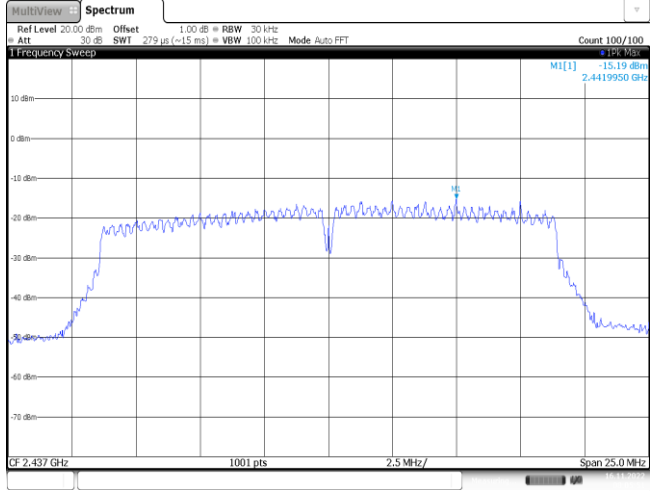
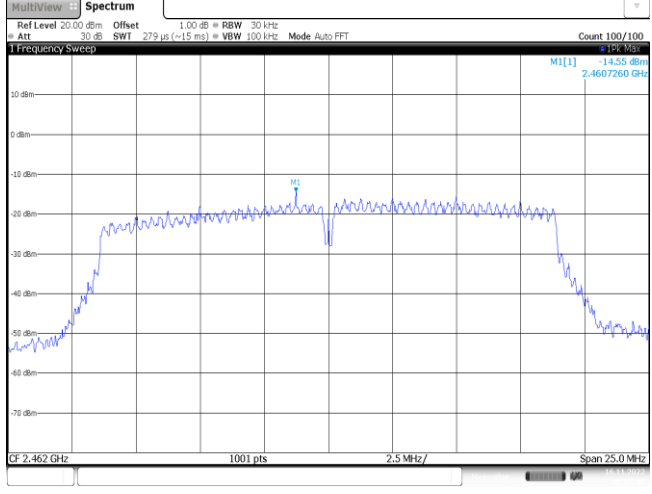
Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	13.03	10.27	≤ 30.00	Pass
	06	13.67	10.96		
	11	12.76	10.31		
802.11g	01	9.55	6.54	≤ 30.00	Pass
	06	10.03	6.71		
	11	9.21	6.18		
802.11n (HT20)	01	8.99	5.92	≤ 30.00	Pass
	06	9.26	6.48		
	11	8.57	5.65		
802.11n(HT40)	03	9.60	6.28	≤ 30.00	Pass
	06	9.57	6.75		
	09	9.13	5.99		

Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	-1.85	≤8.00	Pass
	06	-1.71		
	11	-0.11		
802.11g	01	-14.87	≤8.00	Pass
	06	-14.61		
	11	-15.36		
802.11n(HT20)	01	-15.73	≤8.00	Pass
	06	-15.19		
	11	-14.55		
802.11n(HT40)	03	-17.59	≤8.00	Pass
	06	-17.86		
	09	-17.30		

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] 1.85 dBm 2.4109930 GHz CF 2.412 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 15.NOV.2022 12:25:20</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] -1.71 dBm 2.4379910 GHz CF 2.437 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 15.NOV.2022 12:27:32</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] -0.11 dBm 2.4624960 GHz CF 2.462 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 15.NOV.2022 12:29:21</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] -14.87 dBm 2.414980 GHz CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 15.NOV.2022 13:00:24 </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] -14.61 dBm 2.4394980 GHz CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 15.NOV.2022 13:02:41 </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] -15.36 dBm 2.4626240 GHz CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 15.NOV.2022 13:04:24 </p>

Type:		802.11n(HT20)
CH01		
CH06		
CH11		

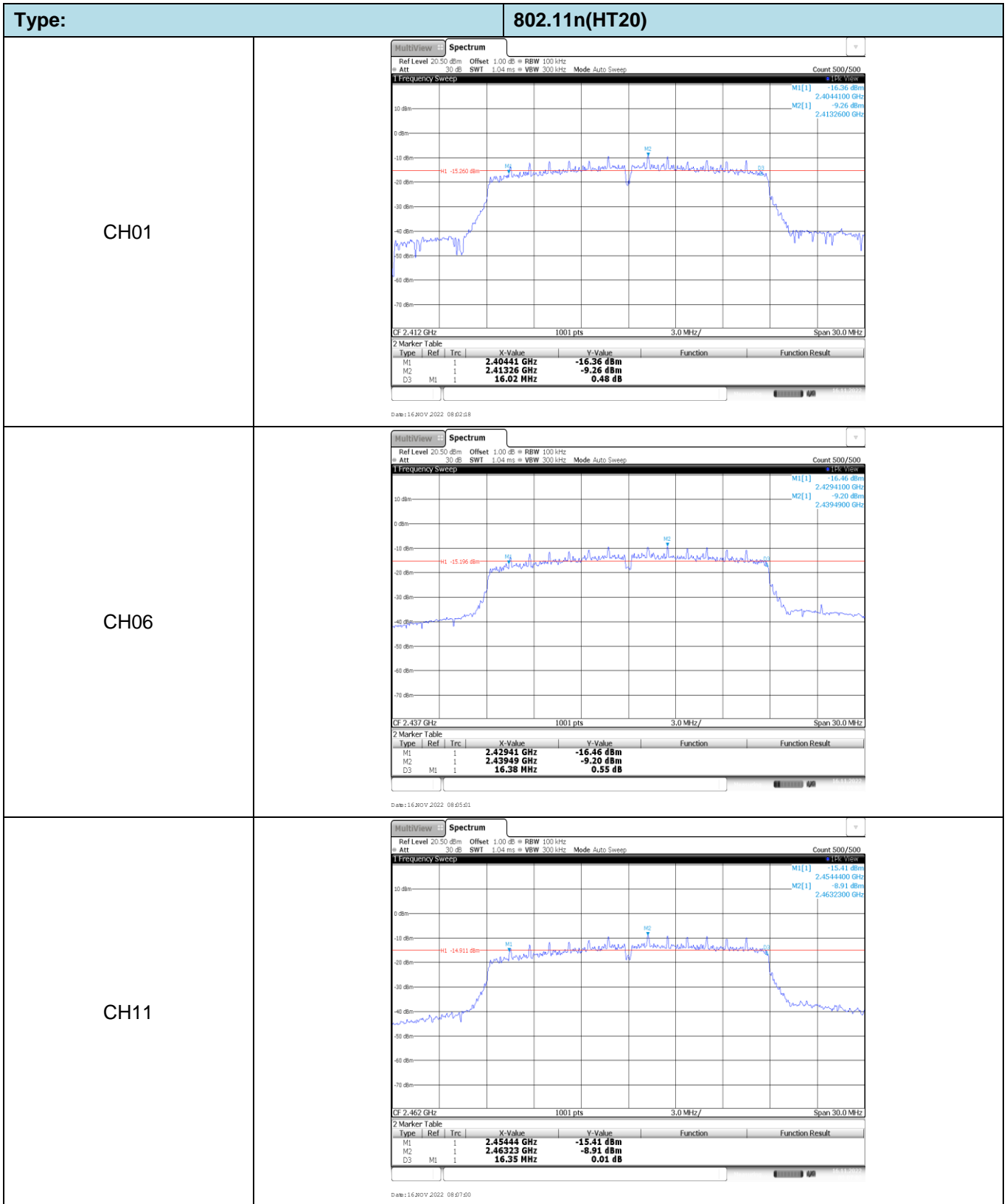
Type:	802.11n(HT40)
CH03	<p> Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 558 us (~27 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] -17.59 dBm 2.4245270 GHz CF 2.422 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 16.NOV.2022 08:42:42 </p>
CH06	<p> Spectrum Ref 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] -17.86 dBm 2.4438680 GHz CF 2.437 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 16.NOV.2022 08:44:51 </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] -17.30 dBm 2.4545270 GHz CF 2.452 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 16.NOV.2022 08:46:17 </p>

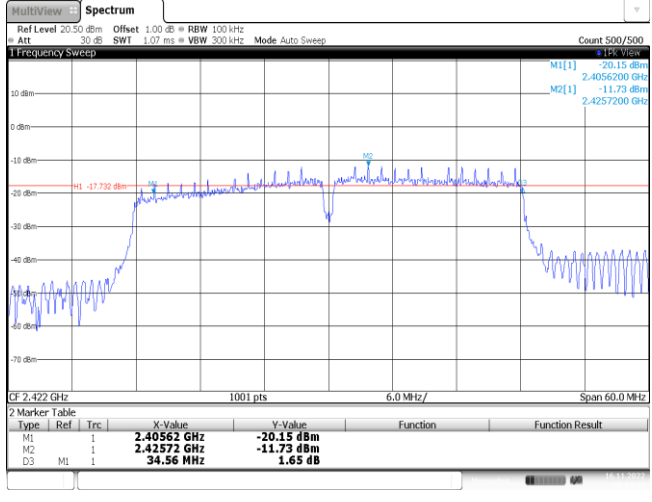
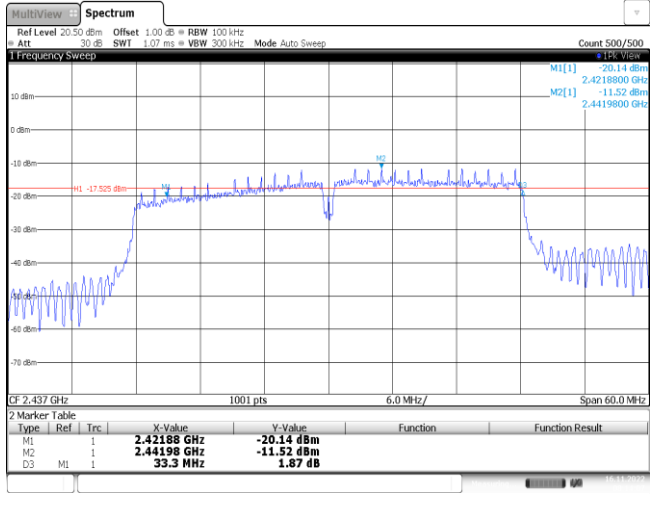
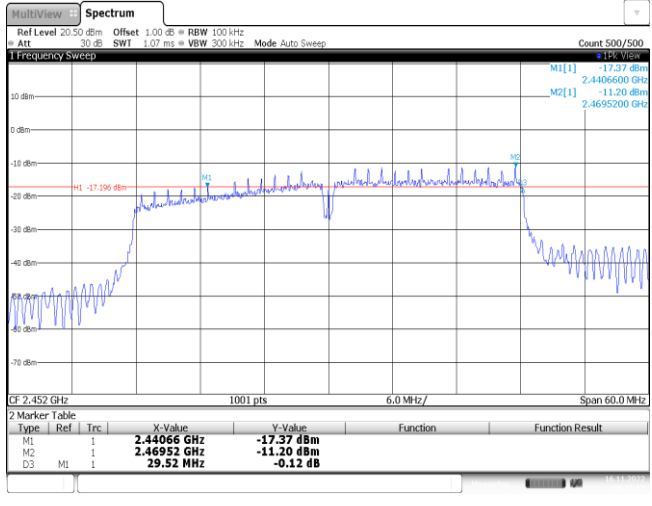
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	7.62	≥0.5	Pass
	06	7.62		
	11	7.62		
802.11g	01	15.51	≥0.5	Pass
	06	15.75		
	11	15.72		
802.11n(HT20)	01	16.02	≥0.5	Pass
	06	16.38		
	11	16.35		
802.11n(HT40)	03	34.56	≥0.5	Pass
	06	33.30		
	09	29.52		

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>2.40843 GHz</td> <td>-4.40 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.41149 GHz</td> <td>1.93 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>7.62 MHz</td> <td>-0.94 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15 NOV 2022 12:24:26</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40843 GHz	-4.40 dBm			M2	1		2.41149 GHz	1.93 dBm			D3	M1	1	7.62 MHz	-0.94 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.40843 GHz	-4.40 dBm																									
M2	1		2.41149 GHz	1.93 dBm																									
D3	M1	1	7.62 MHz	-0.94 dB																									
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Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.43343 GHz	-4.17 dBm																									
M2	1		2.43748 GHz	2.74 dBm																									
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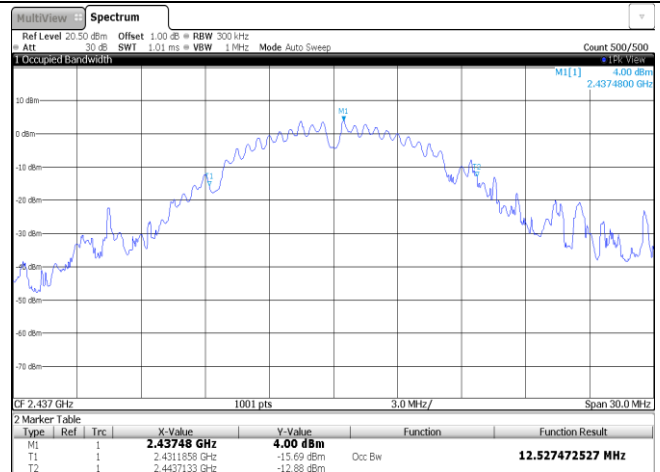
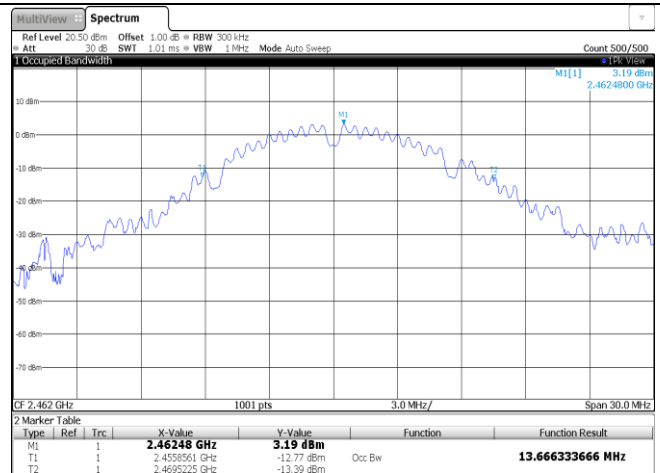
Type:	802.11 g																												
CH01	<p>Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500</p> <p>1 Frequency Sweep</p> <p>20 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>2.412 GHz 1001 pts 3.0 MHz/ Span 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>-15.67 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.41449 GHz</td> <td>-8.91 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.51 MHz</td> <td>-0.06 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15/NOV/2022 13:07:46</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40441 GHz	-15.67 dBm			M2	1		2.41449 GHz	-8.91 dBm			D3	M1	1	15.51 MHz	-0.06 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.40441 GHz	-15.67 dBm																									
M2	1		2.41449 GHz	-8.91 dBm																									
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Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.45444 GHz	-14.44 dBm																									
M2	1		2.46326 GHz	-8.15 dBm																									
D3	M1	1	15.72 MHz	0.13 dB																									

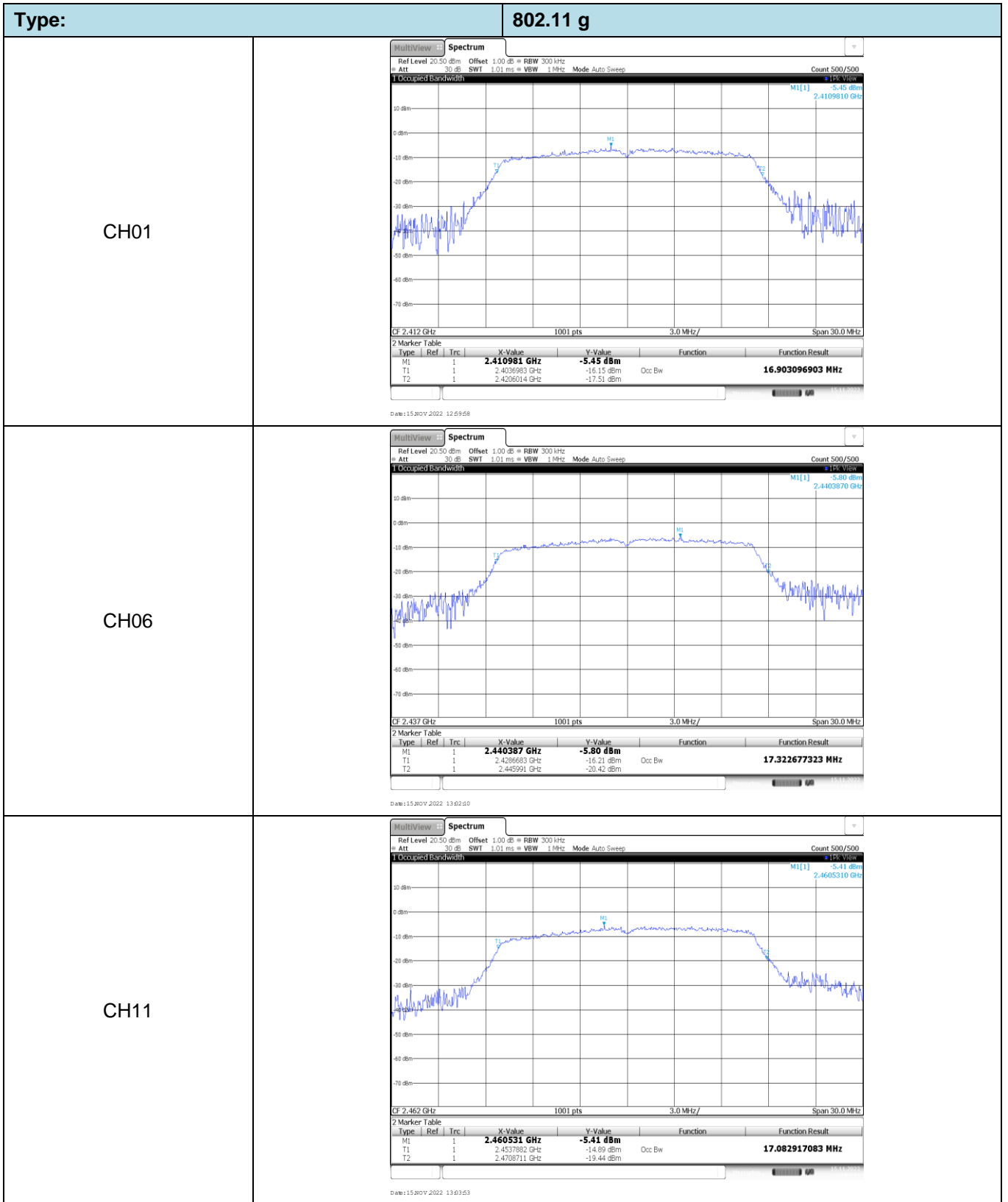


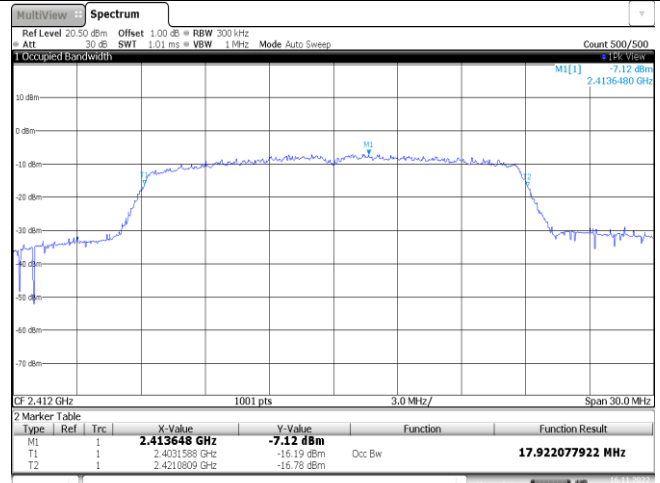
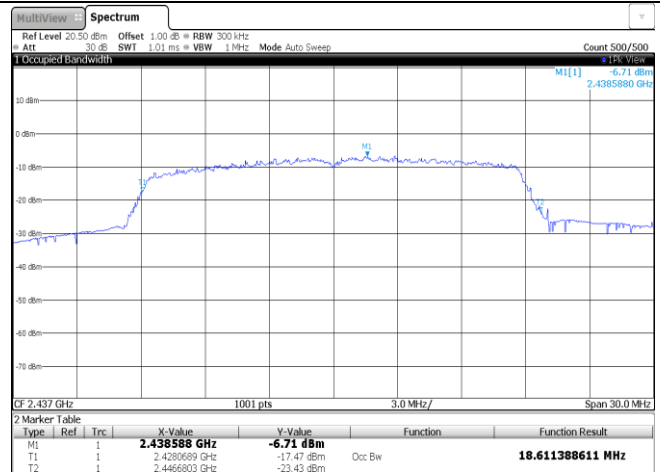
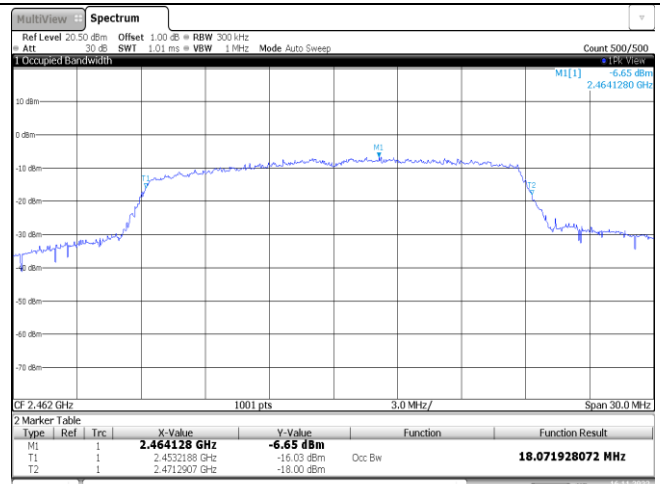
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CH03	 <p>Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.40562 GHz</td> <td>-20.15 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.42572 GHz</td> <td>-11.73 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>34.56 MHz</td> <td>1.65 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 16/NOV/2022 08:42:22</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40562 GHz	-20.15 dBm			M2	1		2.42572 GHz	-11.73 dBm			D3	M1	1	34.56 MHz	1.65 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.44066 GHz	-17.37 dBm																									
M2	1		2.46952 GHz	-11.20 dBm																									
D3	M1	1	29.52 MHz	-0.12 dB																									

Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	12.41	-	Pass
	06	12.53		
	11	13.67		
802.11g	01	16.90	-	Pass
	06	17.32		
	11	17.08		
802.11n(HT20)	01	17.92	-	Pass
	06	18.61		
	11	18.07		
802.11n(HT40)	03	36.62	-	Pass
	06	37.52		
	09	37.16		

Type:	802.11 b																												
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 MI[1] 2.85 dBm 2.4115200 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>2.41152 GHz</td> <td>2.85 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.406006 GHz</td> <td>-11.33 dBm</td> <td>Occ Bw</td> <td>12.407592408 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4184136 GHz</td> <td>-11.51 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15.Nov. 2022 12:24:35</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41152 GHz	2.85 dBm			T1	1		2.406006 GHz	-11.33 dBm	Occ Bw	12.407592408 MHz	T2	1		2.4184136 GHz	-11.51 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.41152 GHz	2.85 dBm																									
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T2	1		2.4184136 GHz	-11.51 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 MI[1] 4.00 dBm 2.4374800 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>2.43748 GHz</td> <td>4.00 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4311858 GHz</td> <td>-15.69 dBm</td> <td>Occ Bw</td> <td>12.527472527 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4437133 GHz</td> <td>-12.88 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15.Nov. 2022 12:27:53</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.43748 GHz	4.00 dBm			T1	1		2.4311858 GHz	-15.69 dBm	Occ Bw	12.527472527 MHz	T2	1		2.4437133 GHz	-12.88 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.43748 GHz	4.00 dBm																									
T1	1		2.4311858 GHz	-15.69 dBm	Occ Bw	12.527472527 MHz																							
T2	1		2.4437133 GHz	-12.88 dBm																									
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 MI[1] 3.19 dBm 2.4624800 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>2.46248 GHz</td> <td>3.19 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4558561 GHz</td> <td>-12.77 dBm</td> <td>Occ Bw</td> <td>13.666333666 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4692225 GHz</td> <td>-13.39 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15.Nov. 2022 12:28:49</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.46248 GHz	3.19 dBm			T1	1		2.4558561 GHz	-12.77 dBm	Occ Bw	13.666333666 MHz	T2	1		2.4692225 GHz	-13.39 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.46248 GHz	3.19 dBm																									
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T2	1		2.4692225 GHz	-13.39 dBm																									

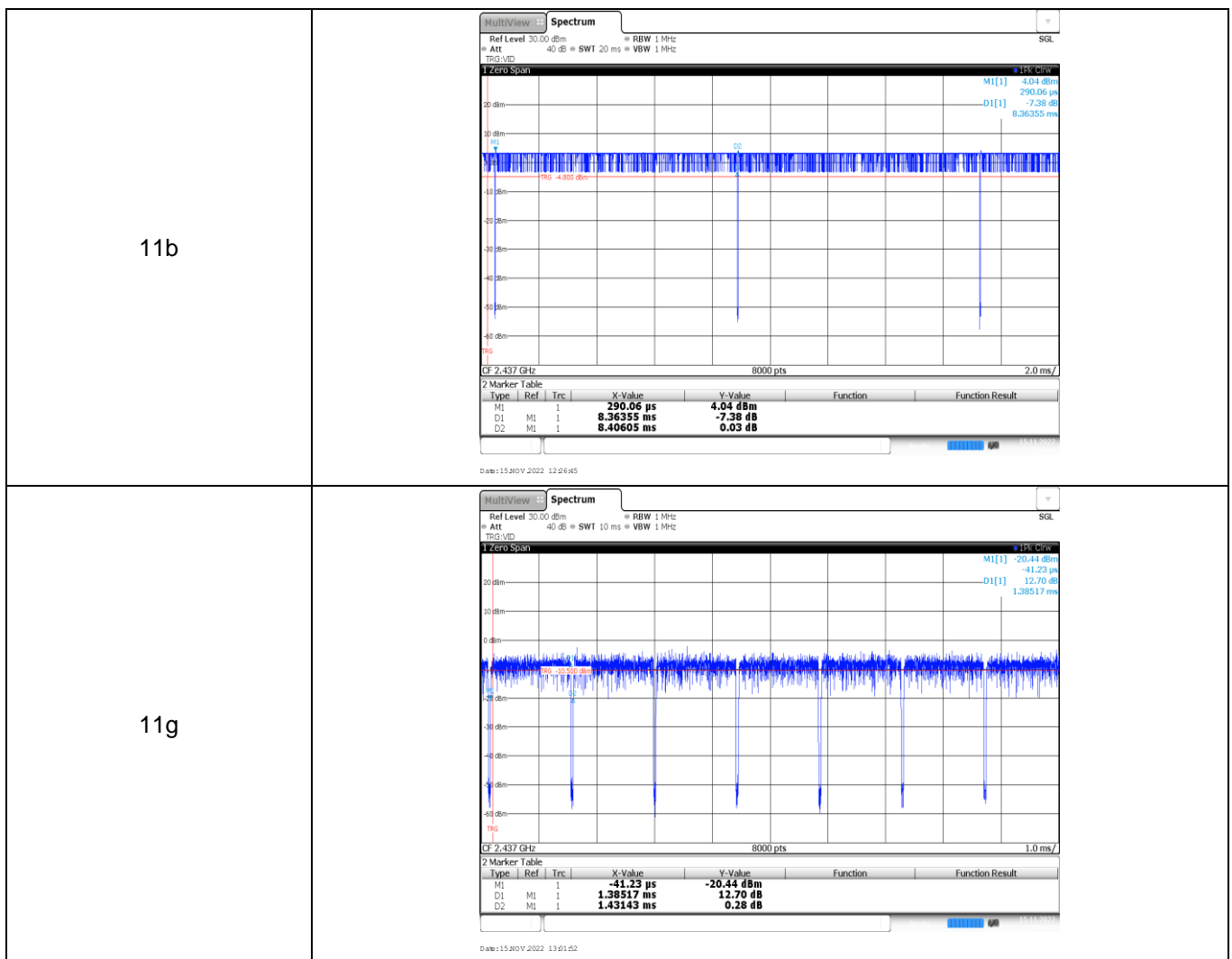


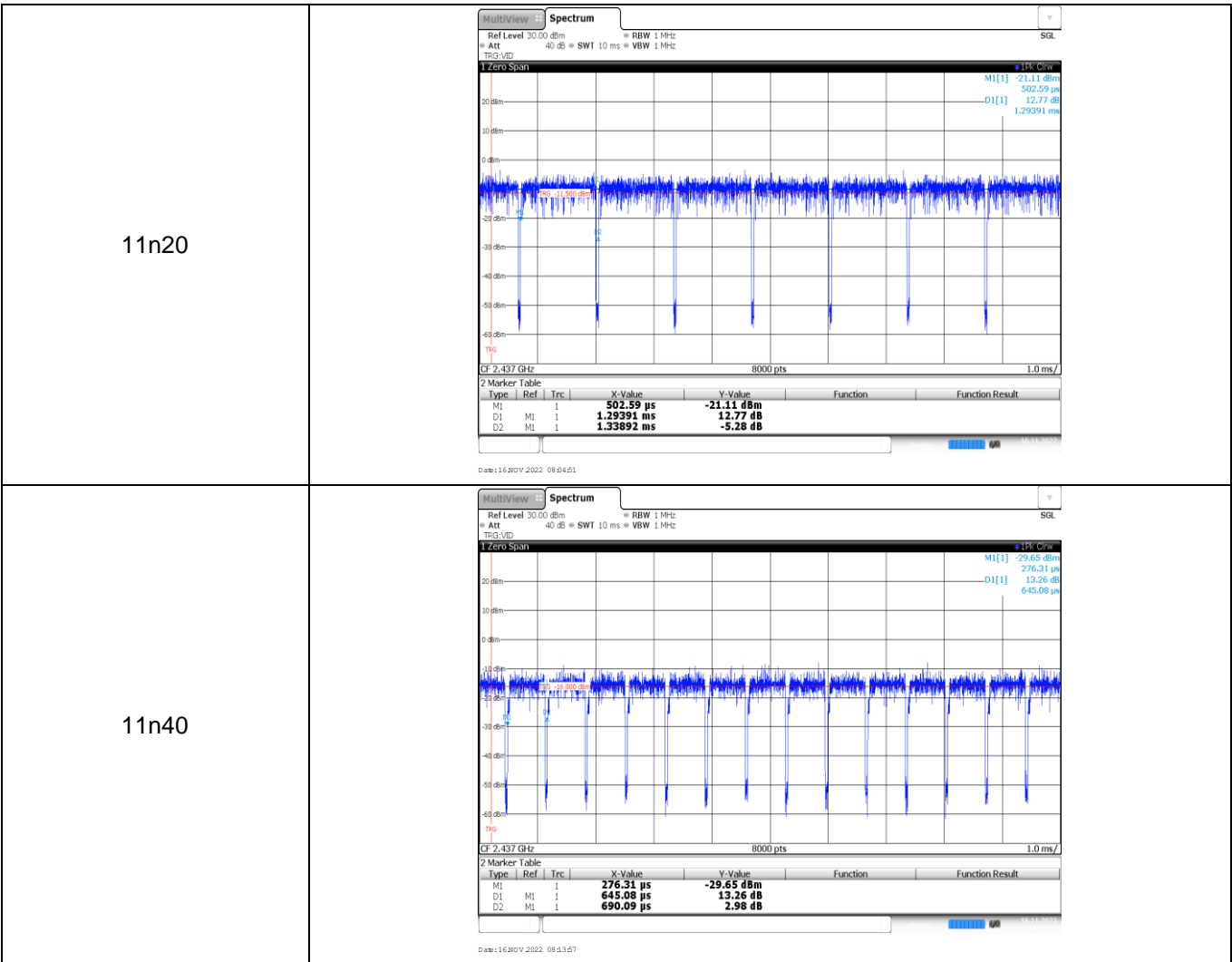
Type:	802.11n(HT20)																												
CH01	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>Occupied Bandwidth</p> <p>M1(1) 7.12 dBm 2.4136480 GHz</p> <p>CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <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>2.413648 GHz</td> <td>-7.12 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4031588 GHz</td> <td>-16.19 dBm</td> <td>Occ Bw</td> <td>17.922077922 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4210809 GHz</td> <td>-16.78 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 16 NOV 2022 08:02:26</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.413648 GHz	-7.12 dBm			T1	1		2.4031588 GHz	-16.19 dBm	Occ Bw	17.922077922 MHz	T2	1		2.4210809 GHz	-16.78 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.413648 GHz	-7.12 dBm																									
T1	1		2.4031588 GHz	-16.19 dBm	Occ Bw	17.922077922 MHz																							
T2	1		2.4210809 GHz	-16.78 dBm																									
CH06	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>Occupied Bandwidth</p> <p>M1(1) 6.71 dBm 2.4385880 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>2.438588 GHz</td> <td>-6.71 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4280689 GHz</td> <td>-17.47 dBm</td> <td>Occ Bw</td> <td>18.611388611 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4466803 GHz</td> <td>-23.45 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 16 NOV 2022 08:05:09</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.438588 GHz	-6.71 dBm			T1	1		2.4280689 GHz	-17.47 dBm	Occ Bw	18.611388611 MHz	T2	1		2.4466803 GHz	-23.45 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.438588 GHz	-6.71 dBm																									
T1	1		2.4280689 GHz	-17.47 dBm	Occ Bw	18.611388611 MHz																							
T2	1		2.4466803 GHz	-23.45 dBm																									
CH11	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>Occupied Bandwidth</p> <p>M1(1) 6.65 dBm 2.4641280 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>2.464128 GHz</td> <td>-6.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4532188 GHz</td> <td>-16.03 dBm</td> <td>Occ Bw</td> <td>18.071928072 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4712907 GHz</td> <td>-18.00 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 16 NOV 2022 08:07:08</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.464128 GHz	-6.65 dBm			T1	1		2.4532188 GHz	-16.03 dBm	Occ Bw	18.071928072 MHz	T2	1		2.4712907 GHz	-18.00 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.464128 GHz	-6.65 dBm																									
T1	1		2.4532188 GHz	-16.03 dBm	Occ Bw	18.071928072 MHz																							
T2	1		2.4712907 GHz	-18.00 dBm																									

Type:	802.11n(HT40)																												
CH03	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB BW 500 kHz Att 30 dB SWI 1.01 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth M1[1] 6.87 dBm 2.4285330 GHz</p> <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.428533 GHz</td> <td>-6.87 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4041978 GHz</td> <td>-14.95 dBm</td> <td>Occ Bw</td> <td>36.623376623 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4498212 GHz</td> <td>-18.11 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 16 NOV 2022 08:42:30</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.428533 GHz	-6.87 dBm			T1	1		2.4041978 GHz	-14.95 dBm	Occ Bw	36.623376623 MHz	T2	1		2.4498212 GHz	-18.11 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.428533 GHz	-6.87 dBm																									
T1	1		2.4041978 GHz	-14.95 dBm	Occ Bw	36.623376623 MHz																							
T2	1		2.4498212 GHz	-18.11 dBm																									
CH06	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB BW 500 kHz Att 30 dB SWI 1.01 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth M1[1] 5.81 dBm 2.4427540 GHz</p> <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.442754 GHz</td> <td>-5.81 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4192577 GHz</td> <td>-15.67 dBm</td> <td>Occ Bw</td> <td>37.522477522 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4567802 GHz</td> <td>-24.68 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 16 NOV 2022 08:44:55</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.442754 GHz	-5.81 dBm			T1	1		2.4192577 GHz	-15.67 dBm	Occ Bw	37.522477522 MHz	T2	1		2.4567802 GHz	-24.68 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.442754 GHz	-5.81 dBm																									
T1	1		2.4192577 GHz	-15.67 dBm	Occ Bw	37.522477522 MHz																							
T2	1		2.4567802 GHz	-24.68 dBm																									
CH09	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB BW 500 kHz Att 30 dB SWI 1.01 ms VBW 2 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth M1[1] 6.22 dBm 2.4618900 GHz</p> <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.46189 GHz</td> <td>-6.22 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4344376 GHz</td> <td>-16.12 dBm</td> <td>Occ Bw</td> <td>37.162837163 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4716004 GHz</td> <td>-23.68 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 16 NOV 2022 08:46:05</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.46189 GHz	-6.22 dBm			T1	1		2.4344376 GHz	-16.12 dBm	Occ Bw	37.162837163 MHz	T2	1		2.4716004 GHz	-23.68 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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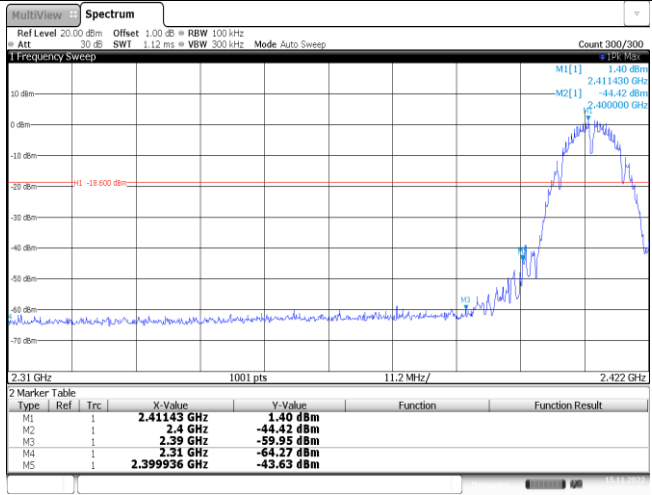
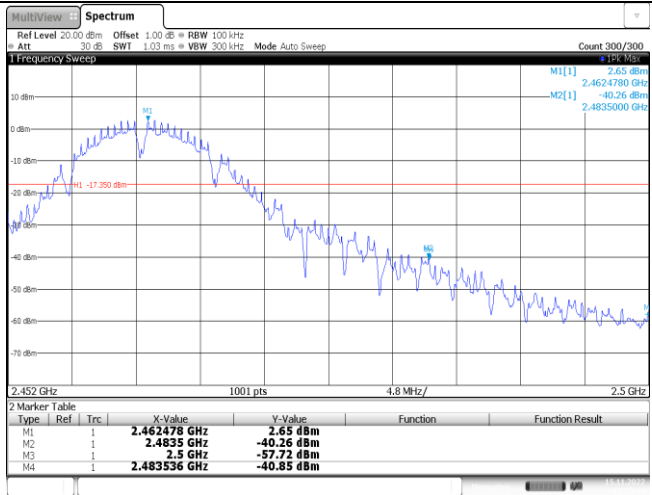
Appendix E: Duty Cycle

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	8.41	99.4%	0.1
11g	2437	1.39	1.43	97.2%	0.7
11n20	2437	1.29	1.34	96.3%	0.8
11n40	2437	0.65	0.69	94.2%	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>2.41143 GHz</td> <td>1.40 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-44.42 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-59.95 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>2.399936 GHz</td> <td>-43.63 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15 NOV 2022 12:25:01</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41143 GHz	1.40 dBm			M2	1		2.4 GHz	-44.42 dBm			M3	1		2.39 GHz	-59.95 dBm			M4	1		2.31 GHz	-64.27 dBm			M5	1		2.399936 GHz	-43.63 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>2.462478 GHz</td> <td>2.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-40.26 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-57.72 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483536 GHz</td> <td>-40.85 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15 NOV 2022 12:29:41</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.462478 GHz	2.65 dBm			M2	1		2.4835 GHz	-40.26 dBm			M3	1		2.5 GHz	-57.72 dBm			M4	1		2.483536 GHz	-40.85 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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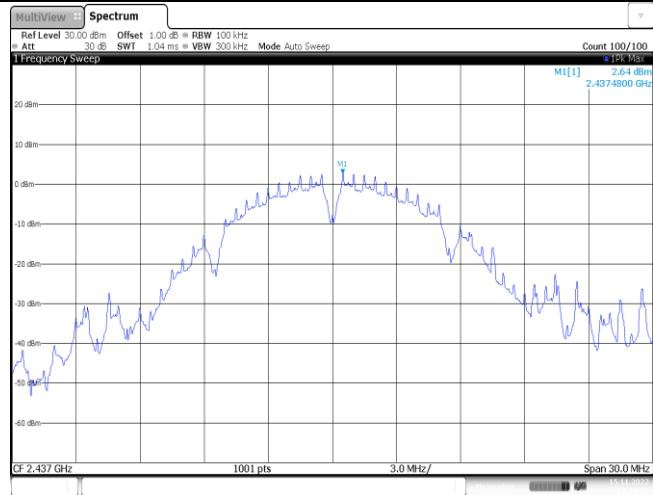
Test Item:	Bandedge	Type:	802.11 g																																										
CH01	<p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.12 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1 Frequency Sweep 2.31 GHz 1001 pts 11.2 MHz/ 2.422 GHz</p> <table border="1"> <thead> <tr> <th>Type</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>2.41064 GHz</td> <td>-9.40 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-43.52 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-55.07 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-65.41 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.396576 GHz</td> <td>-42.15 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15/NOV/2022 13:00:44</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41064 GHz	-9.40 dBm			M2	1		2.4 GHz	-43.52 dBm			M3	1		2.39 GHz	-55.07 dBm			M4	1		2.31 GHz	-65.41 dBm			M5	1		2.396576 GHz	-42.15 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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M4	1		2.31 GHz	-65.41 dBm																																									
M5	1		2.396576 GHz	-42.15 dBm																																									
CH11	<p>Spectrum 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 1 Frequency Sweep 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>2.464492 GHz</td> <td>-8.18 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-46.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-60.88 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483556 GHz</td> <td>-45.75 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15/NOV/2022 13:04:24</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.464492 GHz	-8.18 dBm			M2	1		2.4835 GHz	-46.20 dBm			M3	1		2.5 GHz	-60.88 dBm			M4	1		2.483556 GHz	-45.75 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.464492 GHz	-8.18 dBm																																									
M2	1		2.4835 GHz	-46.20 dBm																																									
M3	1		2.5 GHz	-60.88 dBm																																									
M4	1		2.483556 GHz	-45.75 dBm																																									

Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
CH01	<p>Spectrum 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 M1[1] 9.41 dBm 2.413220 GHz M2[1] -42.98 dBm 2.400000 GHz</p> <p>2.31 GHz 1001 pts 11.2 MHz/ 2.422 GHz</p> <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.41322 GHz</td> <td>-9.41 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-42.98 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-50.94 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-63.35 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399824 GHz</td> <td>-42.59 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 16/10/2022 08:03:12</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41322 GHz	-9.41 dBm			M2	1		2.4 GHz	-42.98 dBm			M3	1		2.39 GHz	-50.94 dBm			M4	1		2.31 GHz	-63.35 dBm			M5	1		2.399824 GHz	-42.59 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41322 GHz	-9.41 dBm																																									
M2	1		2.4 GHz	-42.98 dBm																																									
M3	1		2.39 GHz	-50.94 dBm																																									
M4	1		2.31 GHz	-63.35 dBm																																									
M5	1		2.399824 GHz	-42.59 dBm																																									
CH11	<p>Spectrum 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 M1[1] 8.89 dBm 2.4644920 GHz M2[1] -47.55 dBm 2.4835000 GHz</p> <p>2.452 GHz 1001 pts 4.8 MHz/ 2.5 GHz</p> <p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.464492 GHz</td> <td>-8.89 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-47.55 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-61.98 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483536 GHz</td> <td>-47.68 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 16/10/2022 08:07:55</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.464492 GHz	-8.89 dBm			M2	1		2.4835 GHz	-47.55 dBm			M3	1		2.5 GHz	-61.98 dBm			M4	1		2.483536 GHz	-47.68 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.464492 GHz	-8.89 dBm																																									
M2	1		2.4835 GHz	-47.55 dBm																																									
M3	1		2.5 GHz	-61.98 dBm																																									
M4	1		2.483536 GHz	-47.68 dBm																																									

Test Item:	Bandedge	Type:	802.11 n(HT40)																																										
CH03			<p>Count 300/300</p> <p>M1[1] -11.65 dBm 2.425710 GHz</p> <p>M2[1] -47.98 dBm 2.400000 GHz</p> <p>2.31 GHz 1001 pts 13.2 MHz/ 2.442 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>2.42571 GHz</td> <td>-11.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-47.98 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-49.81 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.3991 GHz</td> <td>-44.99 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 16 NOV 2022 08:42:52</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.42571 GHz	-11.65 dBm			M2	1		2.4 GHz	-47.98 dBm			M3	1		2.39 GHz	-49.81 dBm			M4	1		2.31 GHz	-64.65 dBm			M5	1		2.3991 GHz	-44.99 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.42571 GHz	-11.65 dBm																																									
M2	1		2.4 GHz	-47.98 dBm																																									
M3	1		2.39 GHz	-49.81 dBm																																									
M4	1		2.31 GHz	-64.65 dBm																																									
M5	1		2.3991 GHz	-44.99 dBm																																									
CH09			<p>Count 300/300</p> <p>M1[1] -11.17 dBm 2.4645050 GHz</p> <p>M2[1] -43.55 dBm 2.4835000 GHz</p> <p>2.432 GHz 1001 pts 6.8 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>2.464505 GHz</td> <td>-11.17 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-43.55 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-52.23 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.484564 GHz</td> <td>-37.79 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 16 NOV 2022 08:46:27</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.464505 GHz	-11.17 dBm			M2	1		2.4835 GHz	-43.55 dBm			M3	1		2.5 GHz	-52.23 dBm			M4	1		2.484564 GHz	-37.79 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.464505 GHz	-11.17 dBm																																									
M2	1		2.4835 GHz	-43.55 dBm																																									
M3	1		2.5 GHz	-52.23 dBm																																									
M4	1		2.484564 GHz	-37.79 dBm																																									

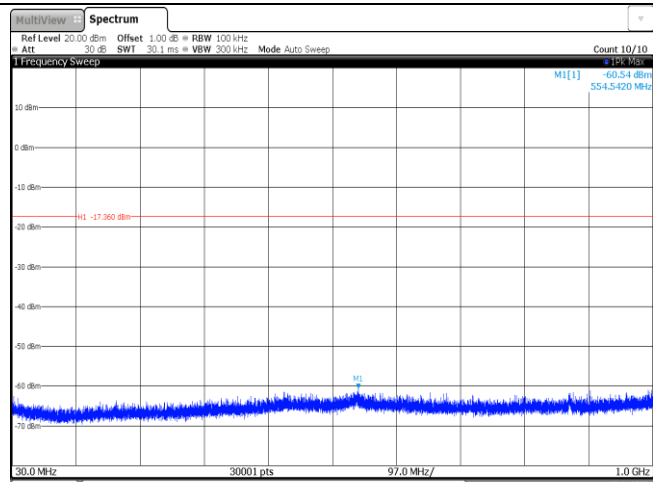
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<p>CH01 1GHz~26GHz</p>			

CH06
Reference level



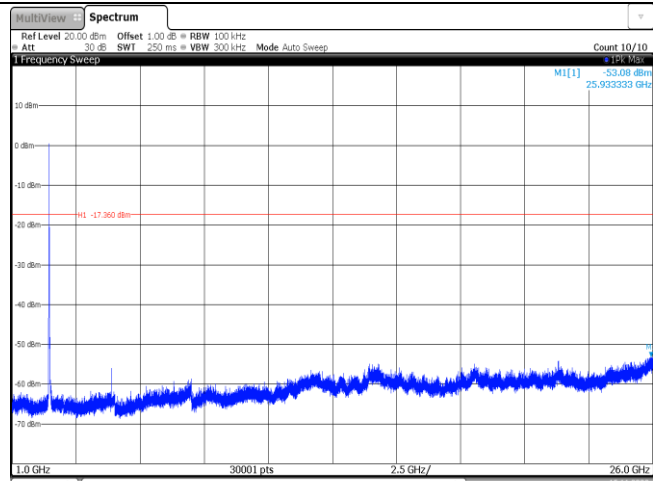
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CH06
30MHz~1000MHz



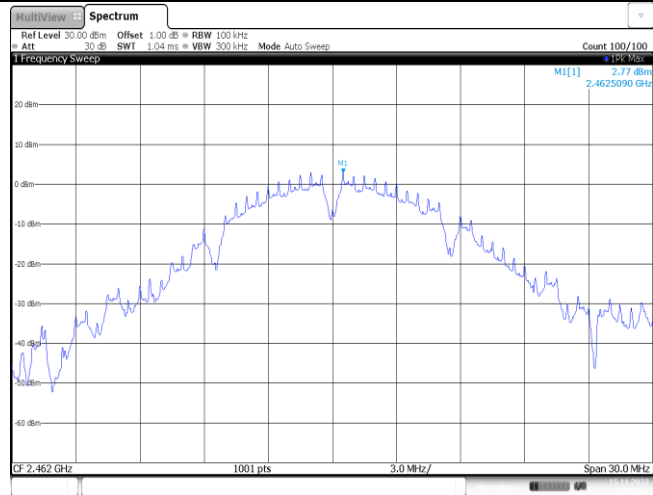
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CH06
1GHz~26GHz

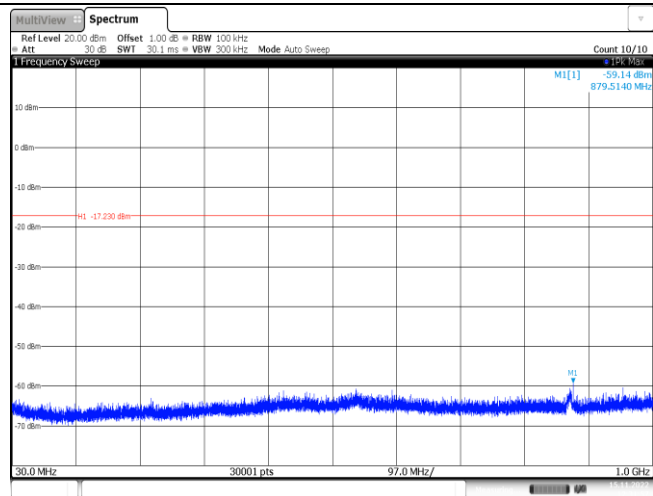


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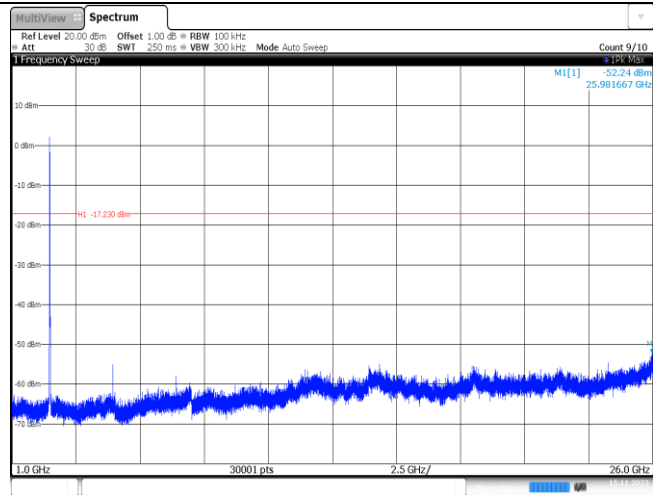
CH11
Reference level

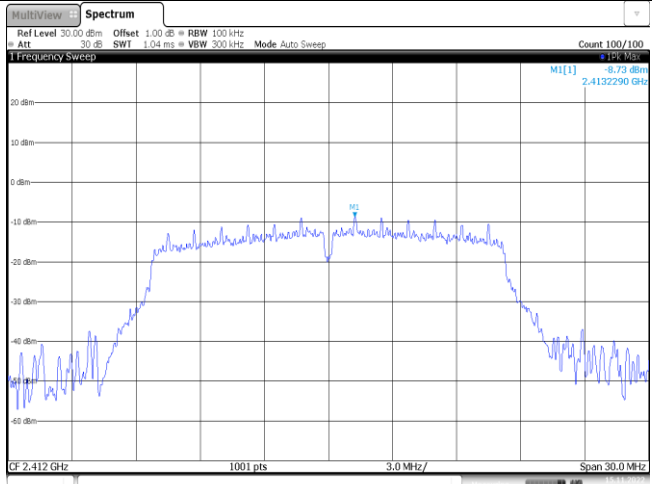
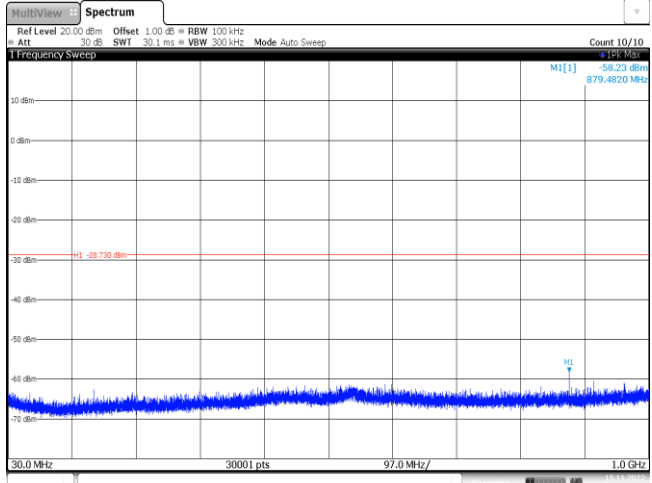
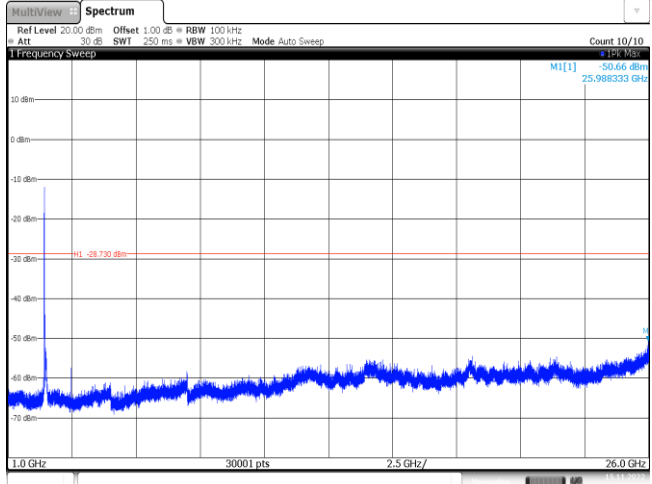


CH11
30MHz~1000MHz

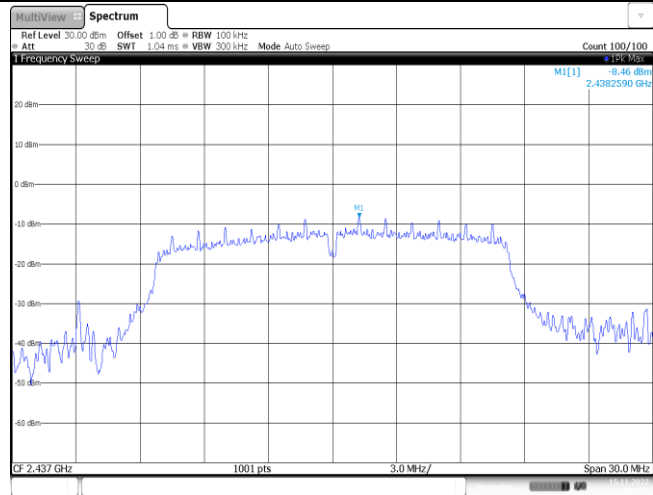


CH11
1GHz~26GHz



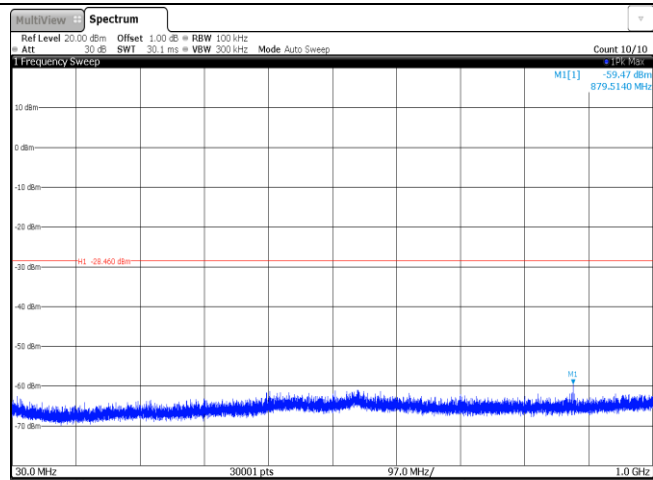
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<p>CH01 1GHz~26GHz</p>			

CH06
Reference level



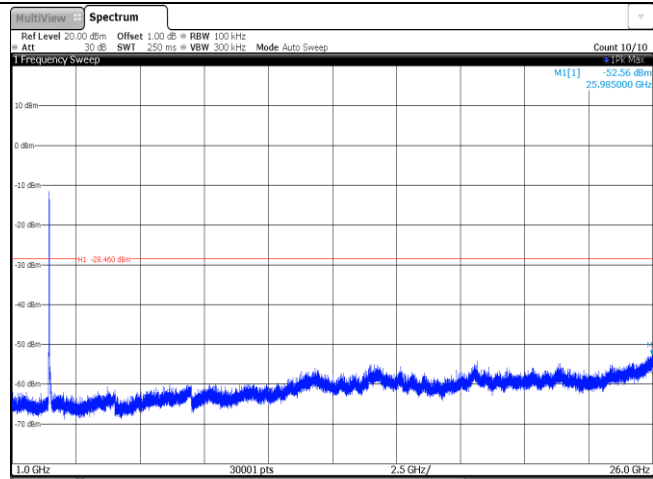
Date: 15 NOV 2022 13:02:47

CH06
30MHz~1000MHz



Date: 15 NOV 2022 13:03:04

CH06
1GHz~26GHz

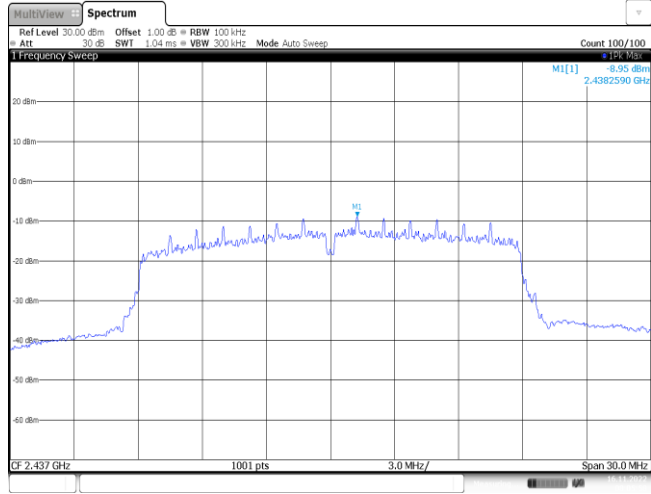


Date: 15 NOV 2022 13:03:20

<p>CH11 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] -8.24 dBm 2.464880 GHz CF 2.462 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 15 NOV 2022 13:04:40</p>
<p>CH11 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] -60.59 dBm 532.7830 MHz MI -28.240 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 15 NOV 2022 13:04:56</p>
<p>CH11 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] -52.68 dBm 26.000000 GHz MI -28.240 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 15 NOV 2022 13:05:13</p>

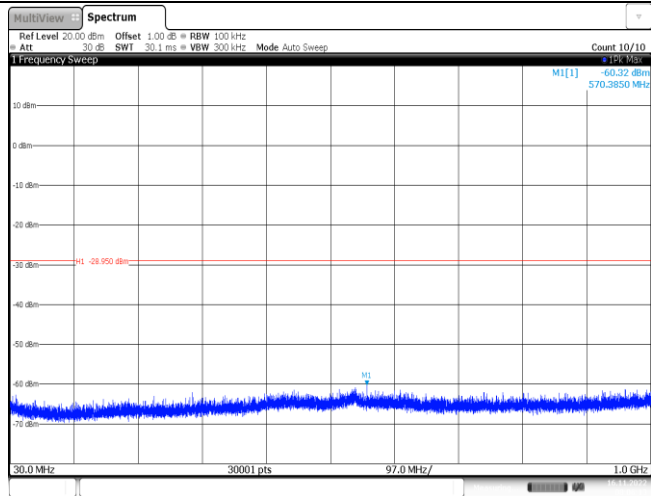
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<p>CH01 30MHz~1000MHz</p>			
<p>CH01 1GHz~26GHz</p>			

CH06
Reference level



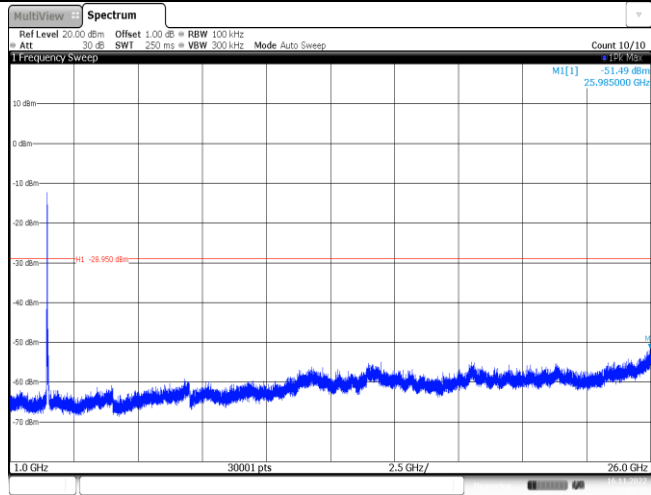
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CH06
30MHz~1000MHz



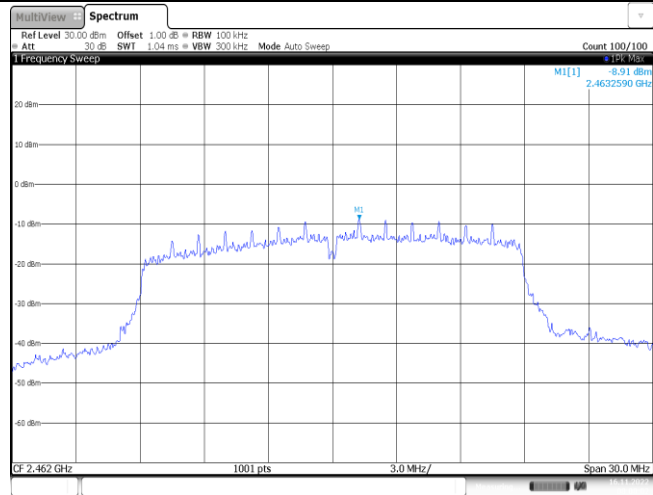
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CH06
1GHz~26GHz



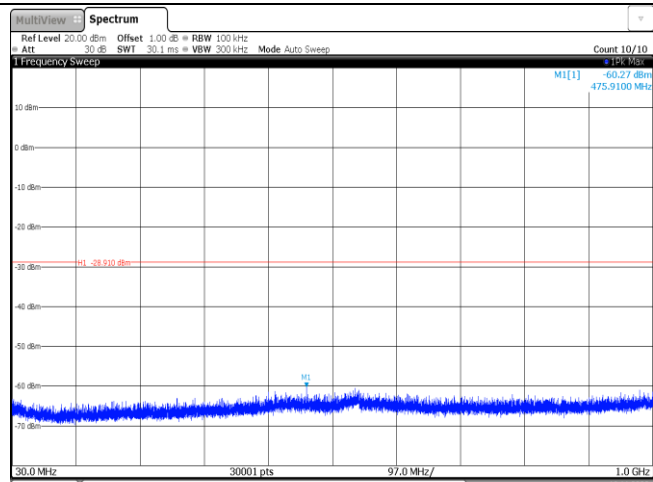
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CH11
Reference level



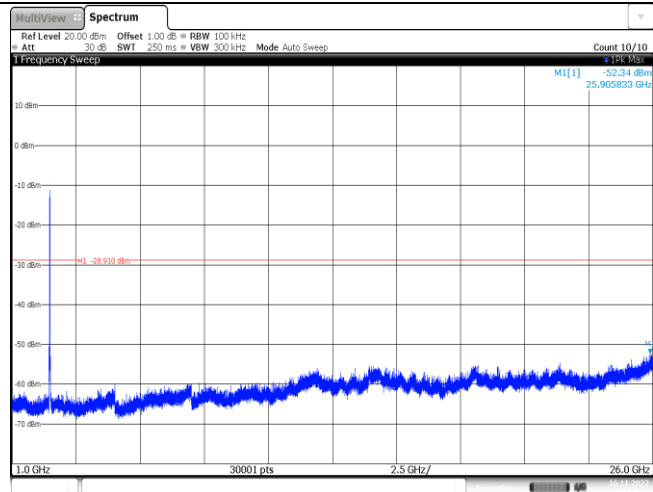
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CH11
30MHz~1000MHz



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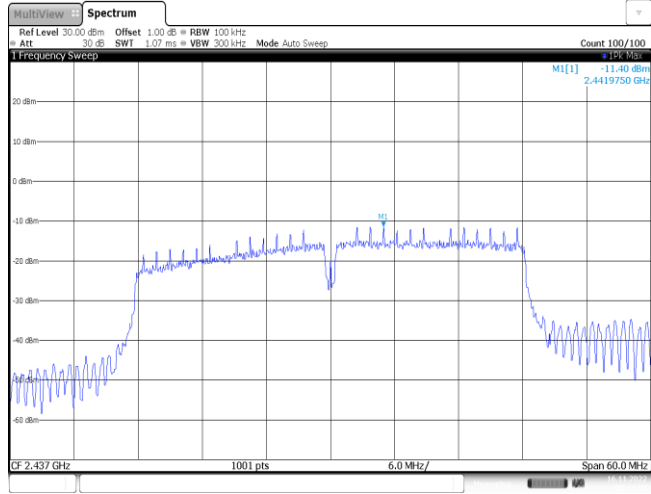
CH11
1GHz~26GHz



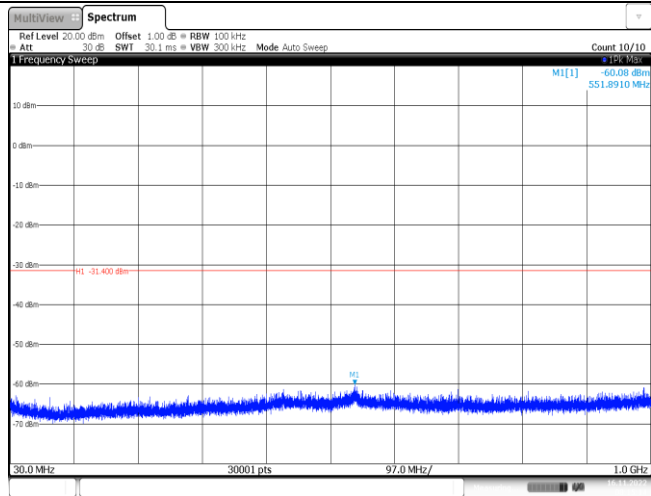
Date:16/NOV/2022 08:08:24

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

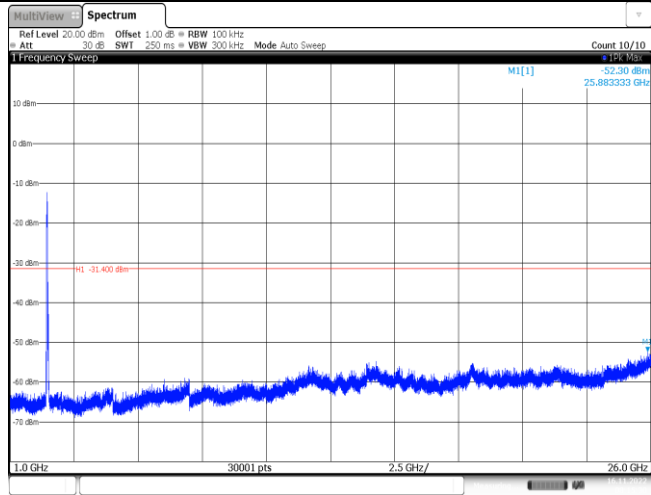
CH06
Reference level



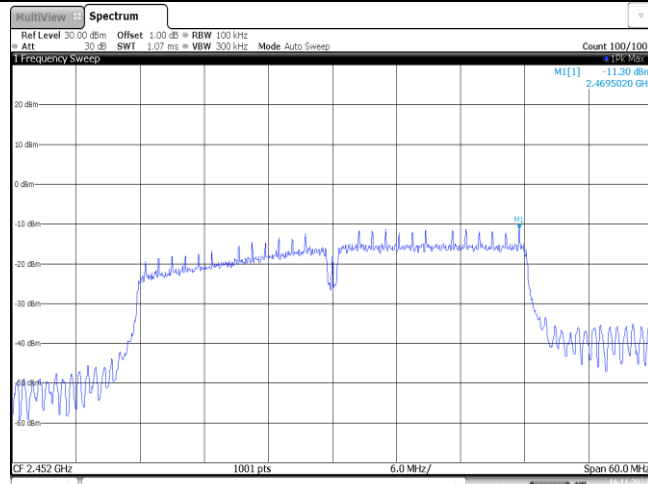
CH06
30MHz~1000MHz



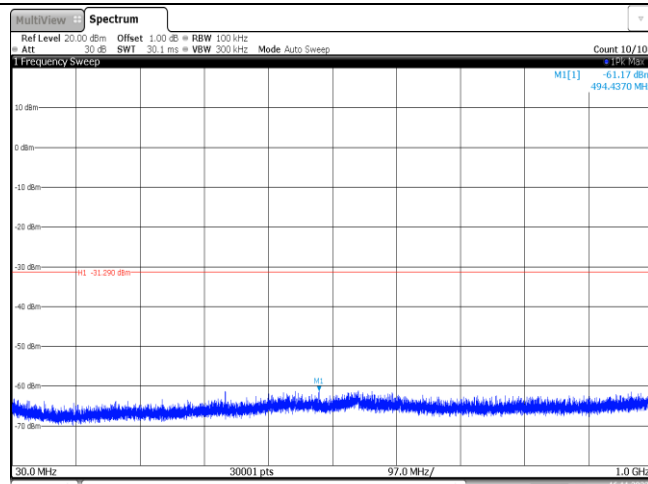
CH06
1GHz~26GHz



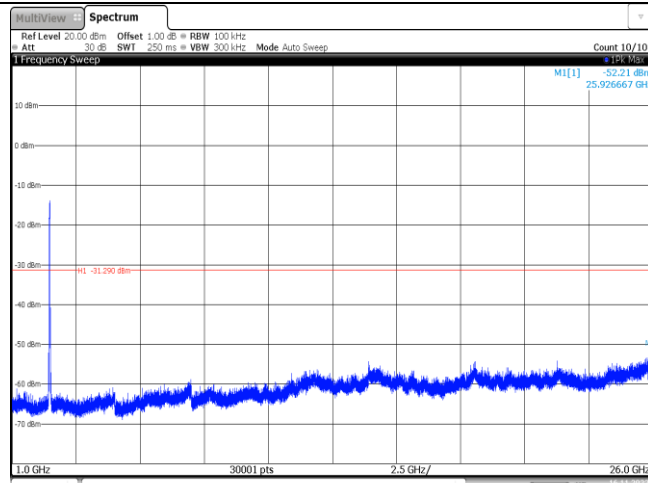
CH09
Reference level



CH09
30MHz~1000MHz



CH09
1GHz~26GHz



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