

APPENDIX REPORT

Project No.	SHT2205024705EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT22050247007	Model No.	ProFace X(DS)
Start test date	2022-05-18	Finish date	2022-05-18
Temperature	24.3°C	Humidity	38%
Test Engineer	Hailey Chen	Auditor	Xiaodong Zheo

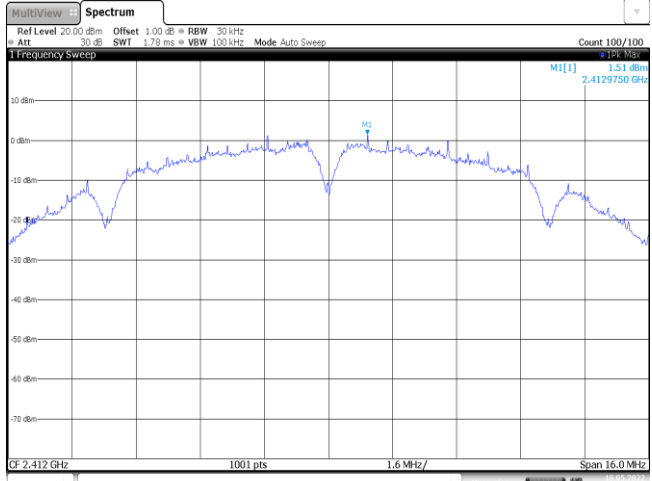
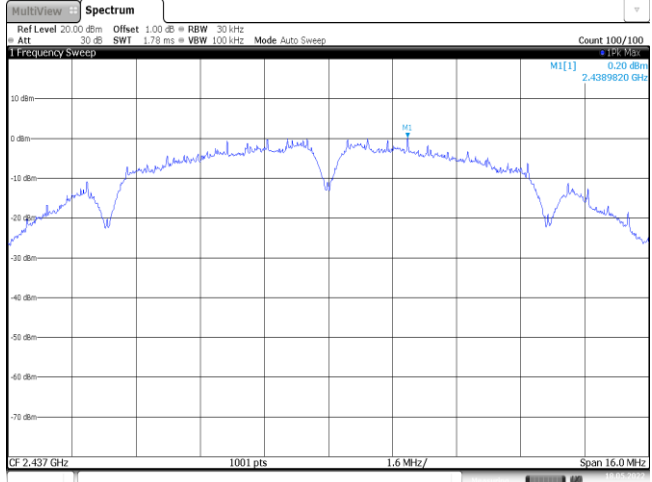
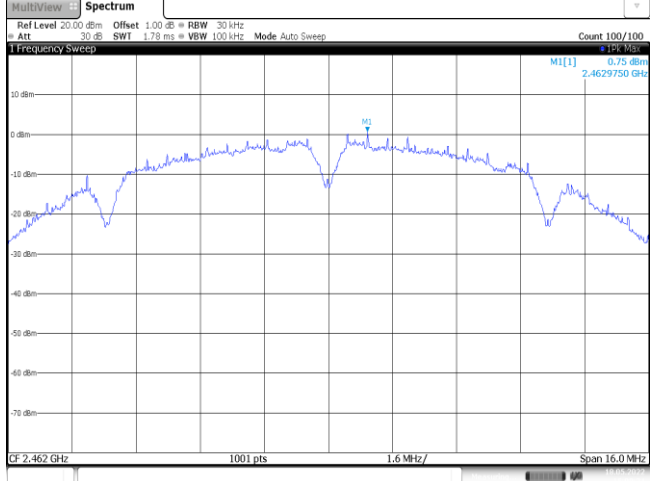
Appendix clause	Test item	Result
A	Conducted Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

Appendix A: Conducted Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	15.34	12.63	≤ 30.00	Pass
	06	15.25	12.58		
	11	14.70	12.05		
802.11g	01	14.88	11.97	≤ 30.00	Pass
	06	15.03	12.17		
	11	14.52	11.53		
802.11n (HT20)	01	15.02	12.13	≤ 30.00	Pass
	06	15.09	12.32		
	11	14.48	11.63		
802.11n(HT40)	03	14.70	11.86	≤ 30.00	Pass
	06	14.71	11.93		
	09	14.46	11.57		

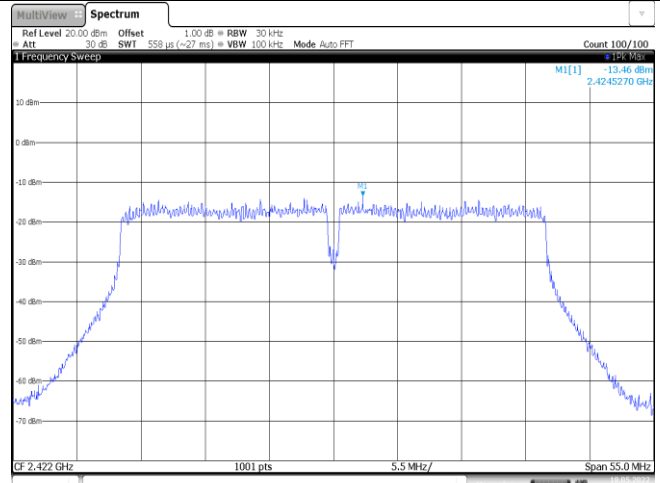
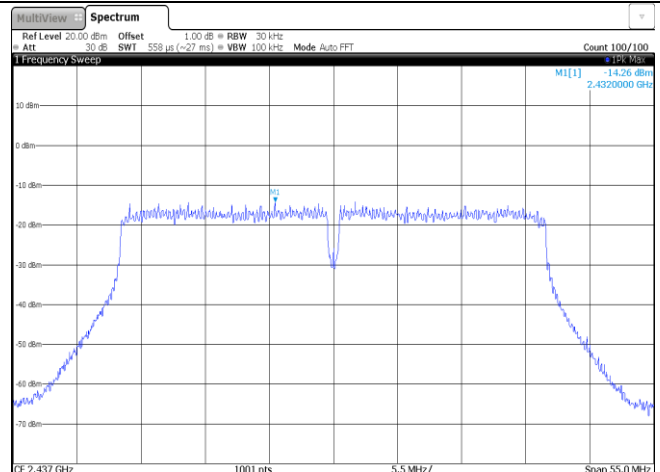
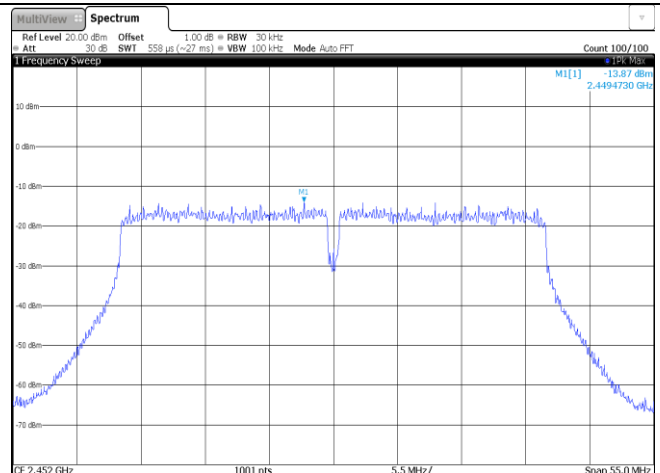
Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	1.51	≤8.00	Pass
	06	0.20		
	11	0.75		
802.11g	01	-10.03	≤8.00	Pass
	06	-9.84		
	11	-11.05		
802.11n(HT20)	01	-9.14	≤8.00	Pass
	06	-9.41		
	11	-9.63		
802.11n(HT40)	03	-13.46	≤8.00	Pass
	06	-14.26		
	09	-13.87		

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] 1.51 dBm 2.4129750 GHz CF 2.412 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 15.MAY.2022 15:03:29</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] 0.20 dBm 2.4389820 GHz CF 2.437 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 15.MAY.2022 15:06:54</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] 0.75 dBm 2.4629750 GHz CF 2.462 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 15.MAY.2022 15:08:24</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] -10.03 dBm 2.4069550 GHz CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 15.MAY.2022 15:13:25 </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] -9.84 dBm 2.4426190 GHz CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 15.MAY.2022 15:17:53 </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] -11.05 dBm 2.4644730 GHz CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 15.MAY.2022 15:22:23 </p>

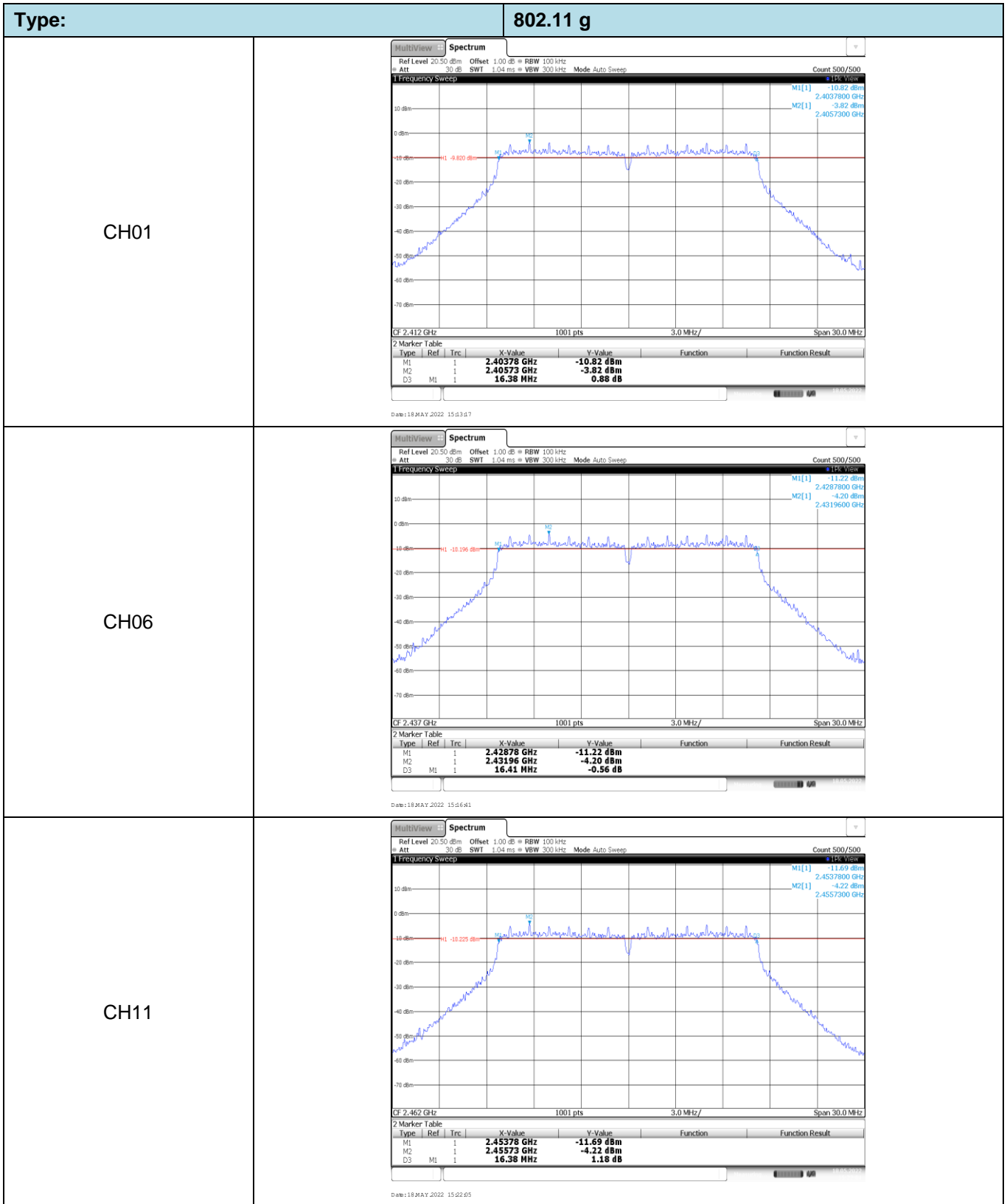
Type:	802.11n(HT20)
CH01	<p>Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 us (-1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -9.14 dBm 2.4057310 GHz</p> <p>1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 15.MAY.2022 15:06:06</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] -9.41 dBm 2.4307310 GHz</p> <p>1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 15.MAY.2022 15:09:24</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] -9.63 dBm 2.4557310 GHz</p> <p>1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz</p> <p>Date: 15.MAY.2022 15:09:56</p>

Type:	802.11n(HT40)
CH03	 <p>MultiView Spectrum 1.00 dB BW 30 kHz Ref Level 20.00 dBm Offset 30 dB SWI 558 us (~27 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] -13.46 dBm 2.4245270 GHz</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>CF 2.422 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz</p> <p>Date: 15.MAY.2022 14:26:07</p>
CH06	 <p>MultiView Spectrum 1.00 dB BW 30 kHz Ref Level 20.00 dBm Offset 30 dB SWI 558 us (~27 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] -14.26 dBm 2.4320000 GHz</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>CF 2.437 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz</p> <p>Date: 15.MAY.2022 14:40:25</p>
CH09	 <p>MultiView Spectrum 1.00 dB BW 30 kHz Ref Level 20.00 dBm Offset 30 dB SWI 558 us (~27 ms) VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Sweep MI[1] -13.87 dBm 2.4494730 GHz</p> <p>10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm</p> <p>CF 2.452 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz</p> <p>Date: 15.MAY.2022 14:22:55</p>

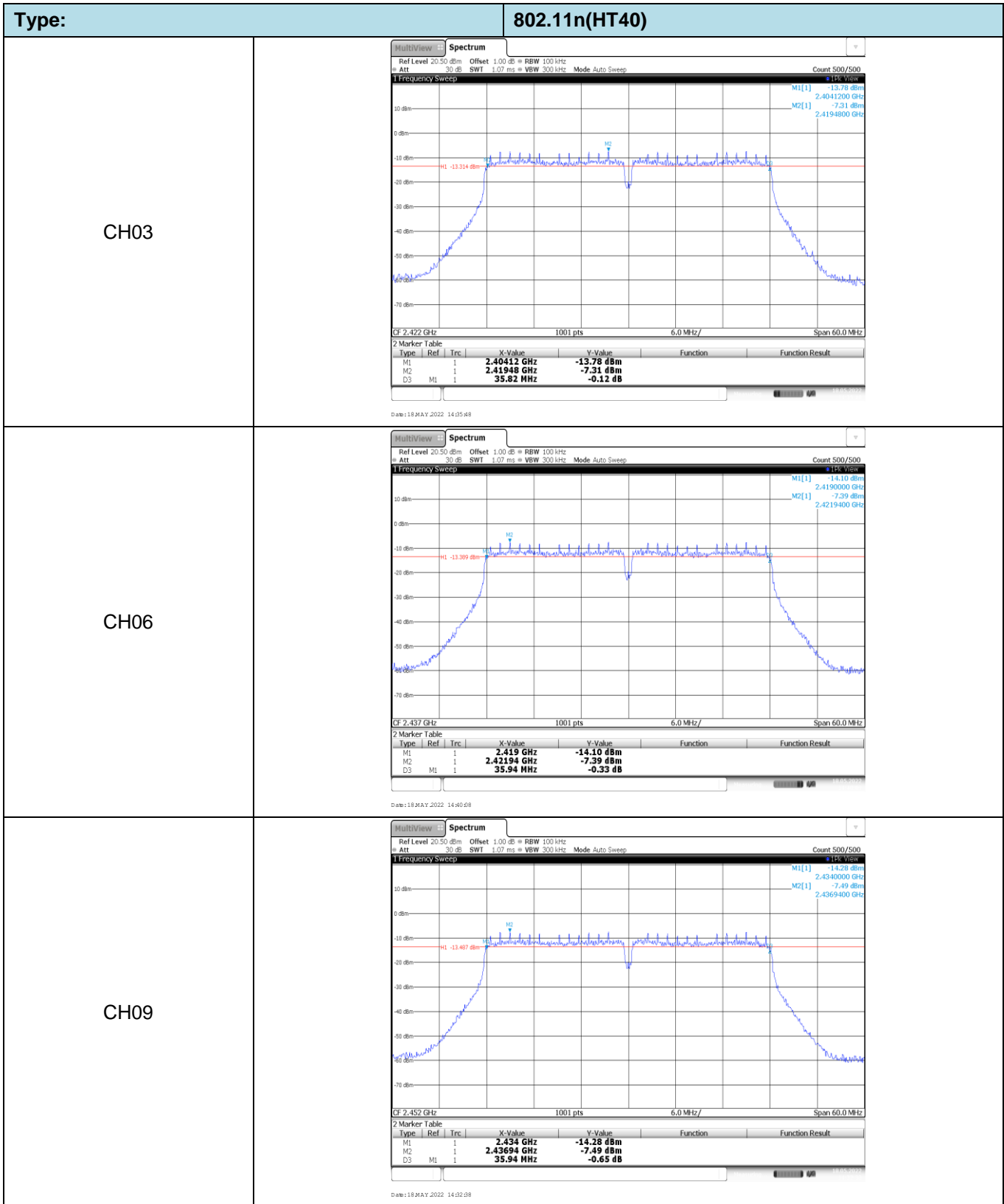
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	8.13	≥0.5	Pass
	06	8.61		
	11	8.61		
802.11g	01	16.38	≥0.5	Pass
	06	16.41		
	11	16.38		
802.11n(HT20)	01	17.34	≥0.5	Pass
	06	16.98		
	11	17.37		
802.11n(HT40)	03	35.82	≥0.5	Pass
	06	35.94		
	09	35.94		

Type:	802.11 b																												
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>2.40792 GHz</td> <td>-2.31 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.41149 GHz</td> <td>4.61 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>8.13 MHz</td> <td>-0.67 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15.MAY.2022 15:03:05</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40792 GHz	-2.31 dBm			M2	1		2.41149 GHz	4.61 dBm			D3	M1	1	8.13 MHz	-0.67 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.40792 GHz	-2.31 dBm																									
M2	1		2.41149 GHz	4.61 dBm																									
D3	M1	1	8.13 MHz	-0.67 dB																									
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CH11	<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>2.45744 GHz</td> <td>-2.54 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.46296 GHz</td> <td>3.49 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>8.61 MHz</td> <td>-2.12 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15.MAY.2022 15:08:13</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.45744 GHz	-2.54 dBm			M2	1		2.46296 GHz	3.49 dBm			D3	M1	1	8.61 MHz	-2.12 dB		
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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>2.40342 GHz</td> <td>-10.30 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4057 GHz</td> <td>-3.76 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.34 MHz</td> <td>0.41 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15.MAY.2022 15:25:44</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40342 GHz	-10.30 dBm			M2	1		2.4057 GHz	-3.76 dBm			D3	M1	1	17.34 MHz	0.41 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.40342 GHz	-10.30 dBm																									
M2	1		2.4057 GHz	-3.76 dBm																									
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M1	1		2.42854 GHz	-10.33 dBm																									
M2	1		2.43073 GHz	-3.78 dBm																									
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Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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M2	1		2.4557 GHz	-4.13 dBm																									
D3	M1	1	17.37 MHz	0.76 dB																									

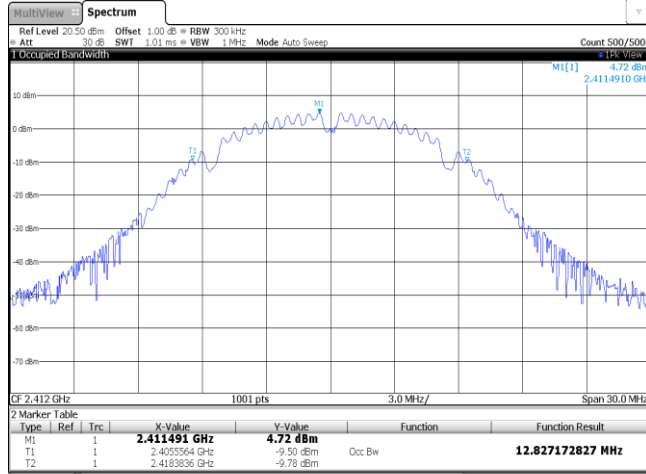


Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	12.83	-	Pass
	06	12.86		
	11	12.83		
802.11g	01	16.87	-	Pass
	06	16.90		
	11	16.87		
802.11n(HT20)	01	17.83	-	Pass
	06	17.83		
	11	17.89		
802.11n(HT40)	03	36.32	-	Pass
	06	36.32		
	09	36.38		

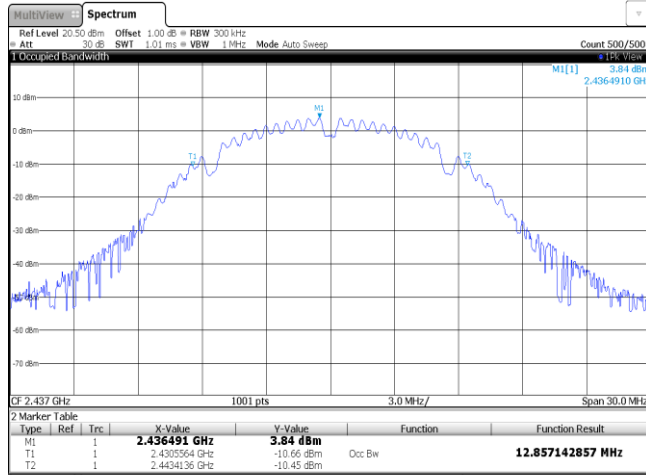
Type: **802.11 b**

CH01



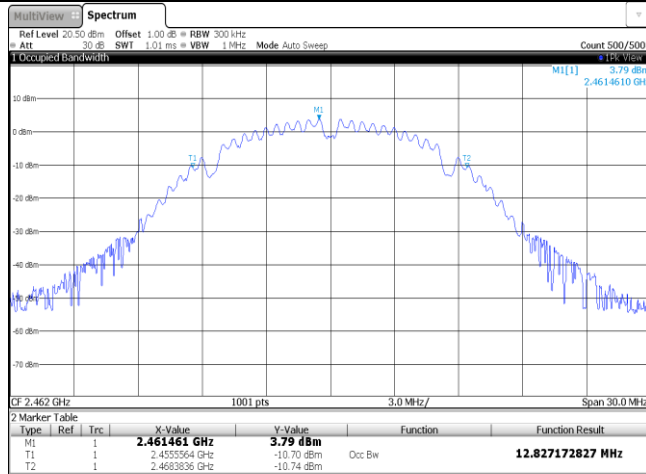
Date: 15.MAY.2022 15:03:55

CH06

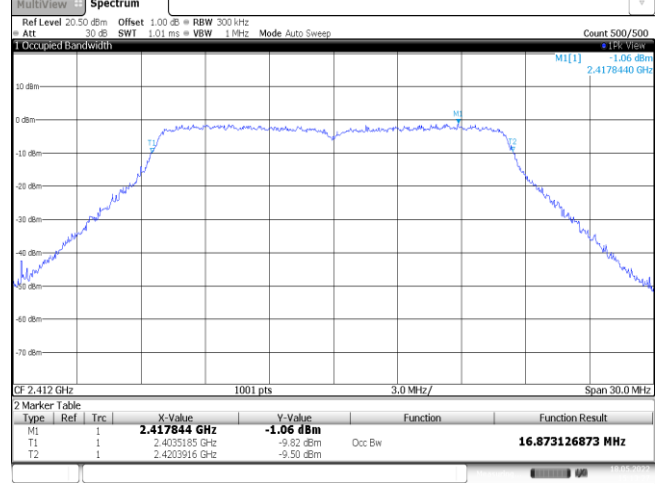
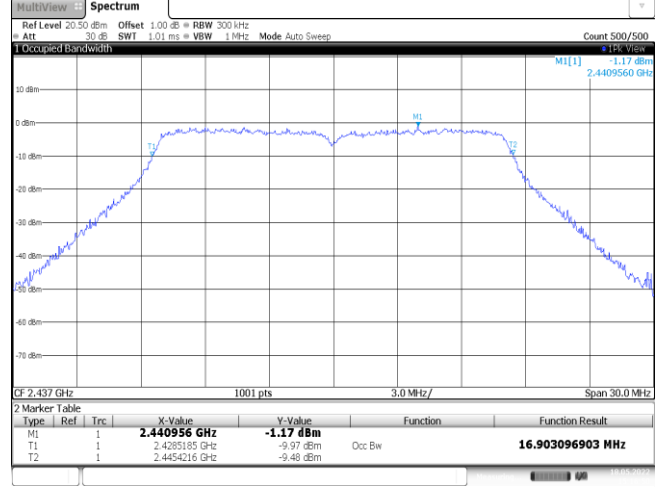
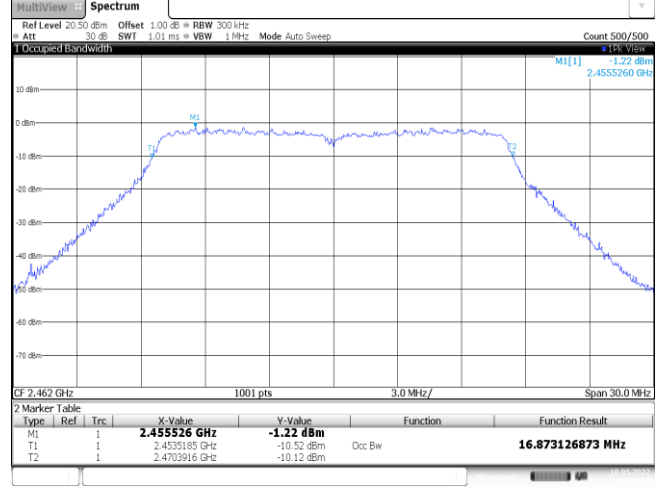


Date: 15.MAY.2022 15:06:26

CH11



Date: 15.MAY.2022 15:09:24

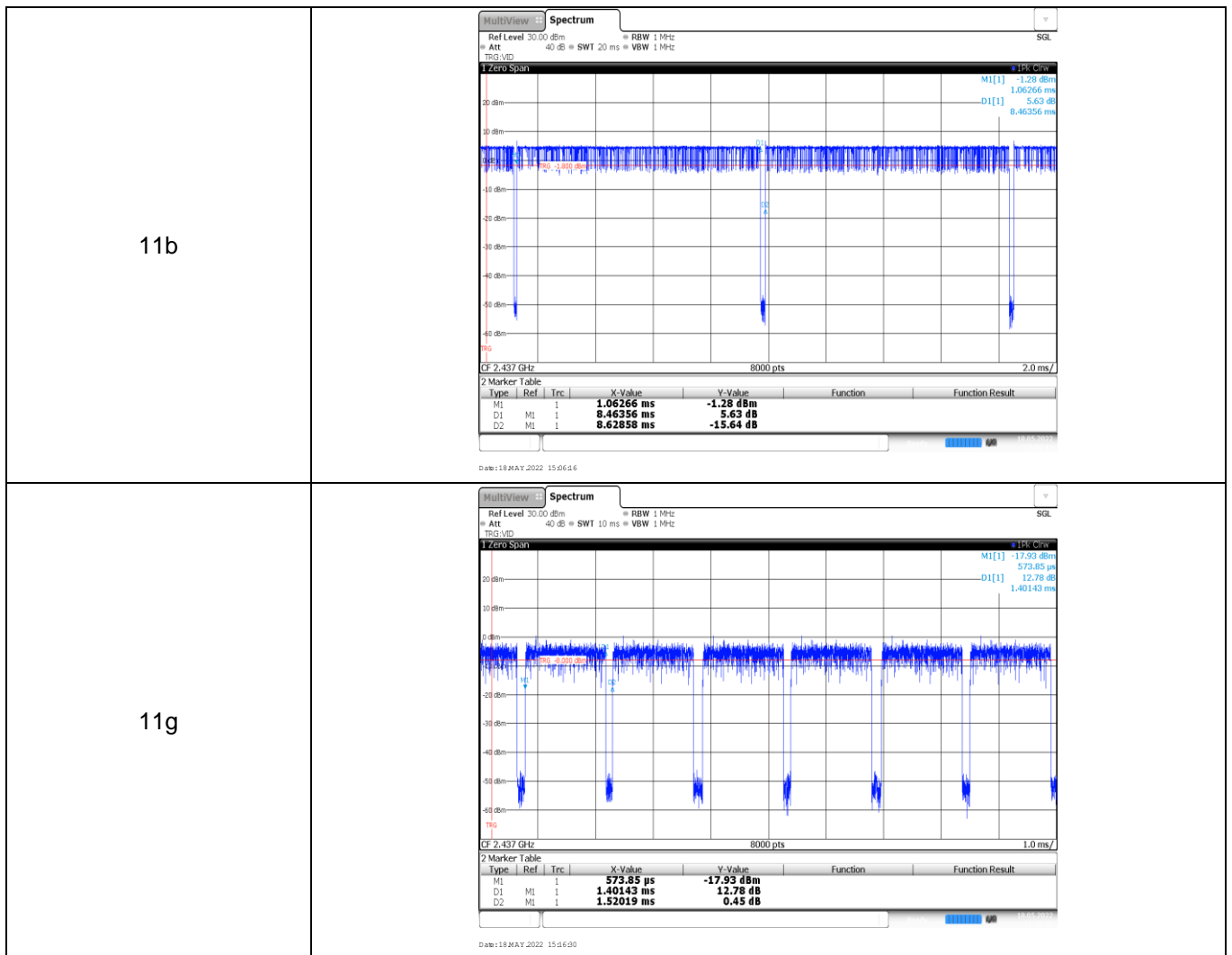
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Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.440956 GHz	-1.17 dBm																									
T1	1		2.4285185 GHz	-9.97 dBm	Occ Bw	16.903096903 MHz																							
T2	1		2.4454216 GHz	-9.48 dBm																									
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>2.455226 GHz</td> <td>-1.22 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4535185 GHz</td> <td>-10.52 dBm</td> <td>Occ Bw</td> <td>16.873126873 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4703916 GHz</td> <td>-10.12 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15.MAY.2022 15:22:16</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.455226 GHz	-1.22 dBm			T1	1		2.4535185 GHz	-10.52 dBm	Occ Bw	16.873126873 MHz	T2	1		2.4703916 GHz	-10.12 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.455226 GHz	-1.22 dBm																									
T1	1		2.4535185 GHz	-10.52 dBm	Occ Bw	16.873126873 MHz																							
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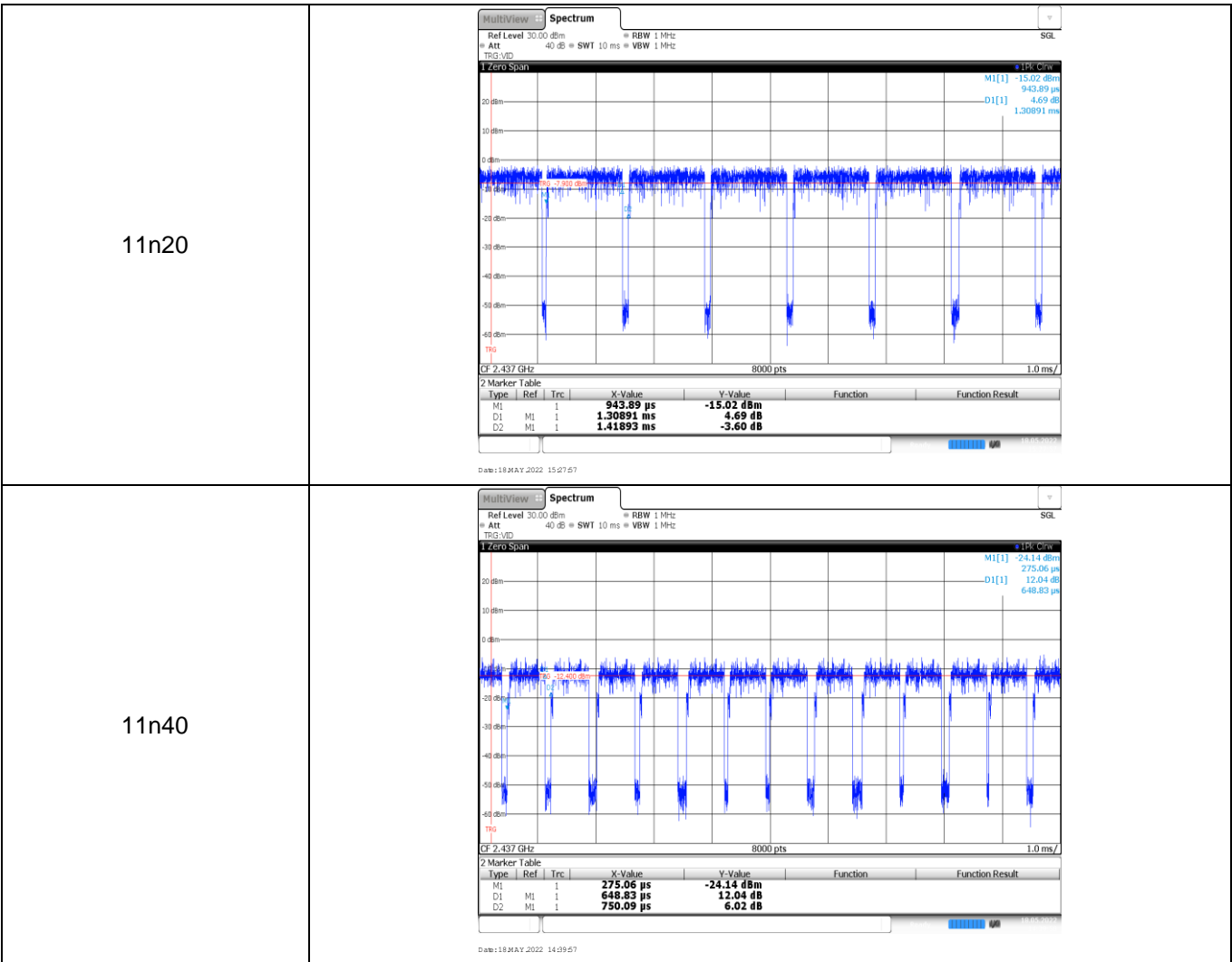
Type:	802.11n(HT20)																												
CH01	<p>Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500</p> <p>1 Occupied Bandwidth M1(1) 1.13 dBm 2.4185030 GHz</p> <p>GF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <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>2.418503 GHz</td> <td>-1.13 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4030689 GHz</td> <td>-8.65 dBm</td> <td>Occ Bw</td> <td>17.832167832 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4209011 GHz</td> <td>-9.86 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15.MAY.2022 15:25:53</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.418503 GHz	-1.13 dBm			T1	1		2.4030689 GHz	-8.65 dBm	Occ Bw	17.832167832 MHz	T2	1		2.4209011 GHz	-9.86 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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CH06	<p>Spectrum</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) 1.46 dBm 2.4309460 GHz</p> <p>GF 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>2.430946 GHz</td> <td>-1.46 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4280689 GHz</td> <td>-9.71 dBm</td> <td>Occ Bw</td> <td>17.832167832 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4459011 GHz</td> <td>-8.68 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15.MAY.2022 15:28:17</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.430946 GHz	-1.46 dBm			T1	1		2.4280689 GHz	-9.71 dBm	Occ Bw	17.832167832 MHz	T2	1		2.4459011 GHz	-8.68 dBm		
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CH11	<p>Spectrum</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) 1.27 dBm 2.4560060 GHz</p> <p>GF 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>2.456006 GHz</td> <td>-1.27 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.453039 GHz</td> <td>-9.80 dBm</td> <td>Occ Bw</td> <td>17.892107892 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4709311 GHz</td> <td>-9.64 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15.MAY.2022 15:29:51</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.456006 GHz	-1.27 dBm			T1	1		2.453039 GHz	-9.80 dBm	Occ Bw	17.892107892 MHz	T2	1		2.4709311 GHz	-9.64 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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Type:	802.11n(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>2.410971 GHz</td> <td>-2.38 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4037782 GHz</td> <td>-8.47 dBm</td> <td>Occ Bw</td> <td>36.323676324 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4401019 GHz</td> <td>-7.78 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15.MAY.2022 14:05:56</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.410971 GHz	-2.38 dBm			T1	1		2.4037782 GHz	-8.47 dBm	Occ Bw	36.323676324 MHz	T2	1		2.4401019 GHz	-7.78 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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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>2.424053 GHz</td> <td>-2.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4187782 GHz</td> <td>-7.58 dBm</td> <td>Occ Bw</td> <td>36.323676324 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4551019 GHz</td> <td>-8.29 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15.MAY.2022 14:40:18</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.424053 GHz	-2.65 dBm			T1	1		2.4187782 GHz	-7.58 dBm	Occ Bw	36.323676324 MHz	T2	1		2.4551019 GHz	-8.29 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
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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>2.457035 GHz</td> <td>-2.99 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4377782 GHz</td> <td>-8.98 dBm</td> <td>Occ Bw</td> <td>36.383616384 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4701618 GHz</td> <td>-8.68 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 15.MAY.2022 14:02:47</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.457035 GHz	-2.99 dBm			T1	1		2.4377782 GHz	-8.98 dBm	Occ Bw	36.383616384 MHz	T2	1		2.4701618 GHz	-8.68 dBm		
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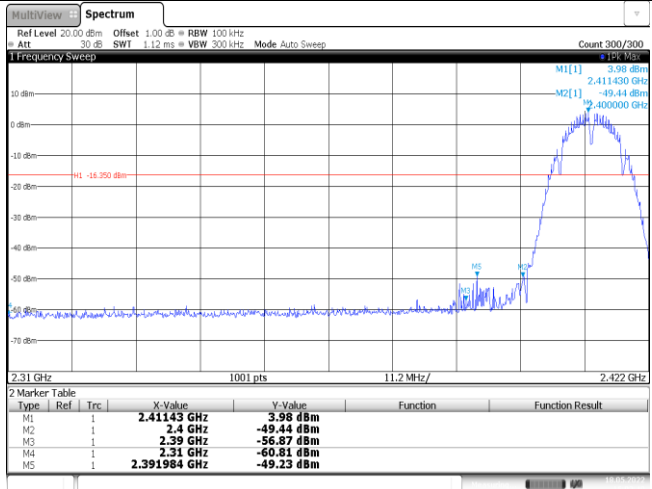
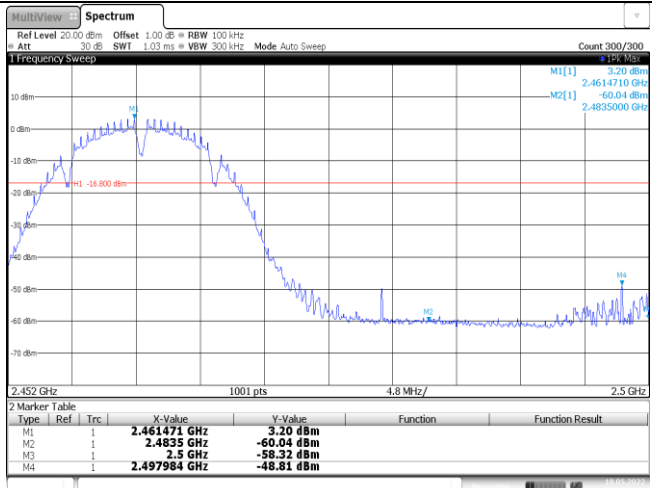
Appendix E: Duty Cycle

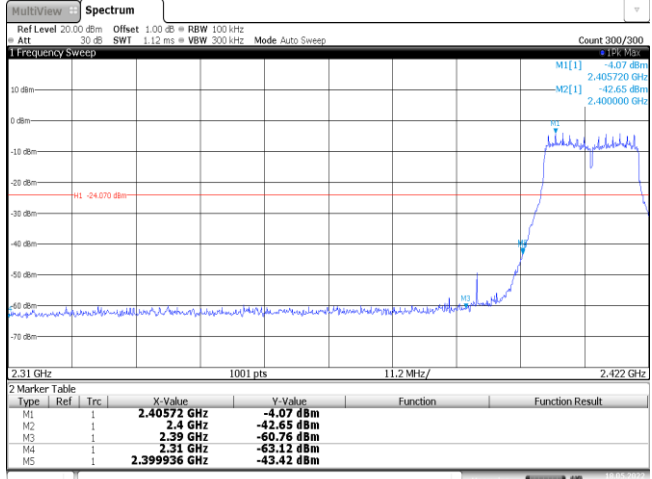
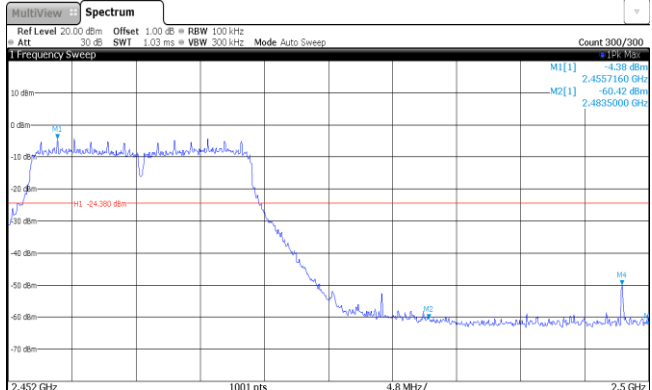
Modulation Type	Test Frequency (MHz)	T _{on time} for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on time} (kHz)
11b	2437	8.46	8.63	98.0%	0.1
11g	2437	1.40	1.52	92.1%	0.7
11n20	2437	1.31	1.42	92.3%	0.8
11n40	2437	0.65	0.75	86.7%	1.5





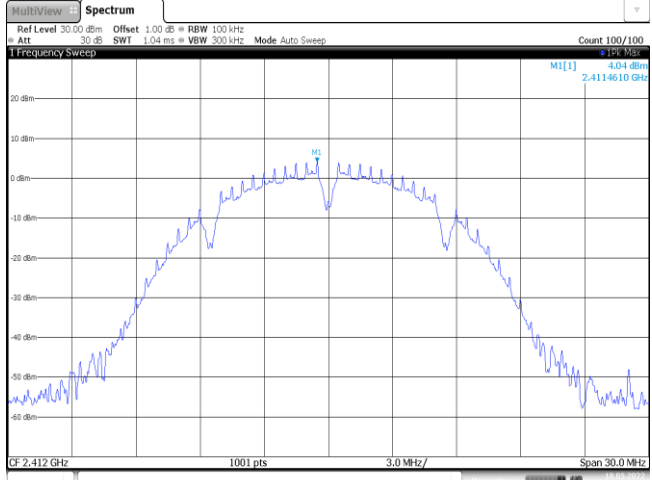
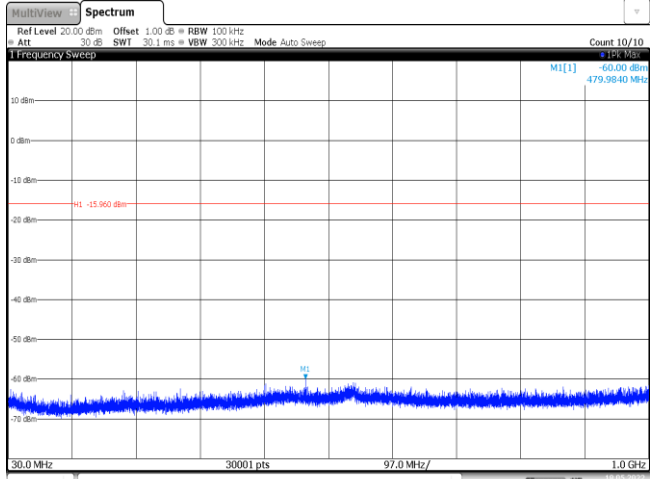
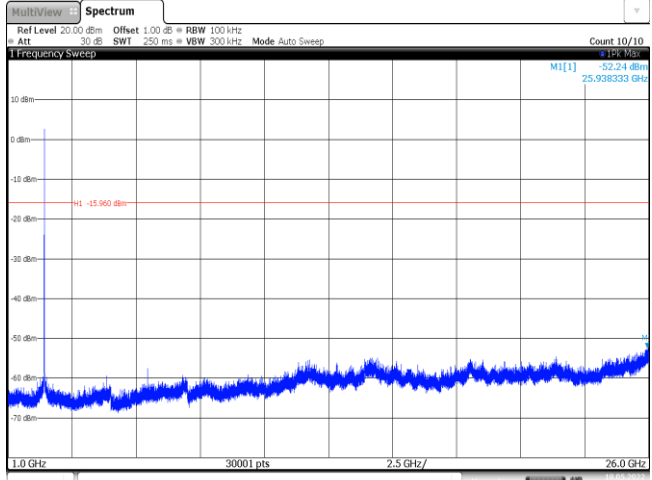
Appendix F: Band edge and Spurious Emissions (conducted)

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>3.98 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-49.44 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-56.87 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-60.81 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.391984 GHz</td> <td>-49.23 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18 MAY 2022 15:03:40</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41143 GHz	3.98 dBm			M2	1		2.4 GHz	-49.44 dBm			M3	1		2.39 GHz	-56.87 dBm			M4	1		2.31 GHz	-60.81 dBm			M5	1		2.391984 GHz	-49.23 dBm		
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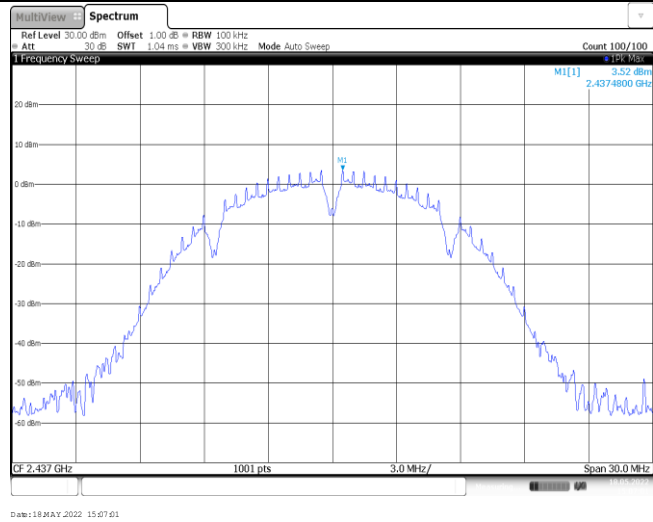
Test Item:	Bandedge	Type:	802.11 g																																										
CH01	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.12 ms VBW 300 kHz Mode Auto Sweep Count 300/300</p> <p>1 Frequency Sweep</p> <p>2.31 GHz 1001 pts 11.2 MHz/ 2.422 GHz</p> <table border="1"> <thead> <tr> <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>2.40572 GHz</td> <td>-4.07 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-42.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-60.76 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-63.12 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399936 GHz</td> <td>-43.42 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18.MAY.2022 15:13:48</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40572 GHz	-4.07 dBm			M2	1		2.4 GHz	-42.65 dBm			M3	1		2.39 GHz	-60.76 dBm			M4	1		2.31 GHz	-63.12 dBm			M5	1		2.399936 GHz	-43.42 dBm		
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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>2.455716 GHz</td> <td>-4.38 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-60.42 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-61.70 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.497984 GHz</td> <td>-49.96 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18.MAY.2022 15:22:24</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.455716 GHz	-4.38 dBm			M2	1		2.4835 GHz	-60.42 dBm			M3	1		2.5 GHz	-61.70 dBm			M4	1		2.497984 GHz	-49.96 dBm									
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Test Item:	Bandedge	Type:	802.11 n(HT20)
CH01			
CH11			

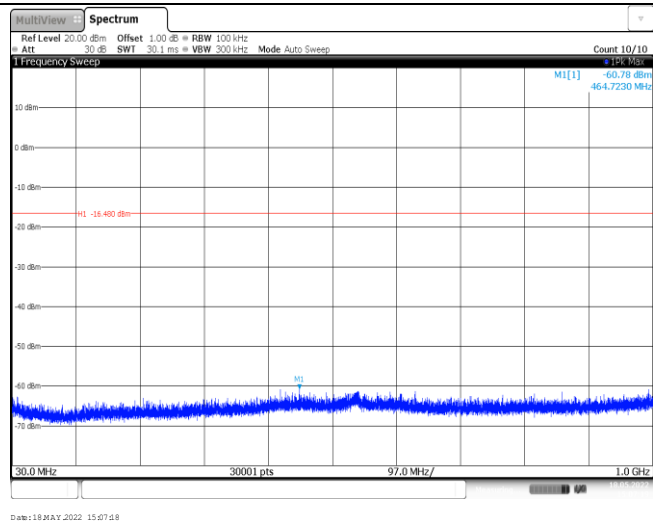
Test Item:	Bandedge	Type:	802.11 n(HT40)																																										
CH03	<p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.40699 GHz</td> <td>-7.37 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-44.17 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-59.05 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-62.12 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399892 GHz</td> <td>-44.53 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18.MAY.2022 14:26:09</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40699 GHz	-7.37 dBm			M2	1		2.4 GHz	-44.17 dBm			M3	1		2.39 GHz	-59.05 dBm			M4	1		2.31 GHz	-62.12 dBm			M5	1		2.399892 GHz	-44.53 dBm		
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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>2.436993 GHz</td> <td>-7.42 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-58.81 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-61.70 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.484496 GHz</td> <td>-56.84 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 18.MAY.2022 14:03:06</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.436993 GHz	-7.42 dBm			M2	1		2.4835 GHz	-58.81 dBm			M3	1		2.5 GHz	-61.70 dBm			M4	1		2.484496 GHz	-56.84 dBm									
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Test Item:	SE	Type:	802.11b
<p>CH01 Reference level</p>			
<p>CH01 30MHz~1000MHz</p>			
<p>CH01 1GHz~26GHz</p>			

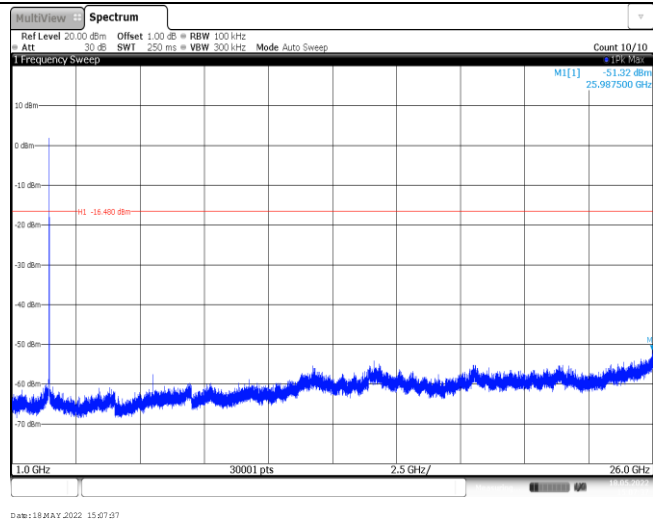
CH06
Reference level



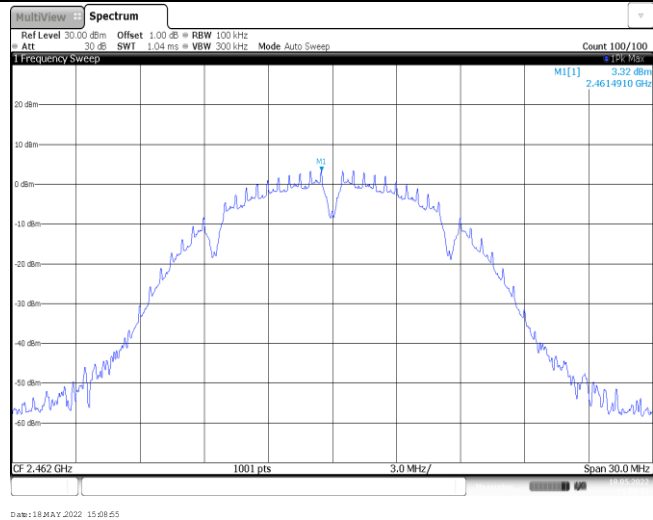
CH06
30MHz~1000MHz



CH06
1GHz~26GHz

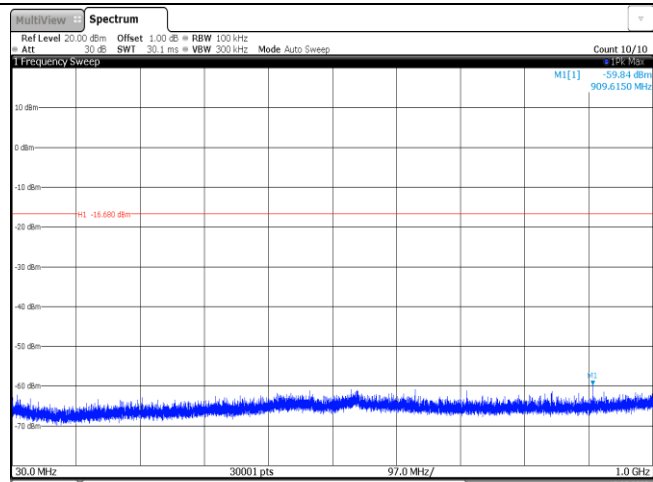


CH11
Reference level



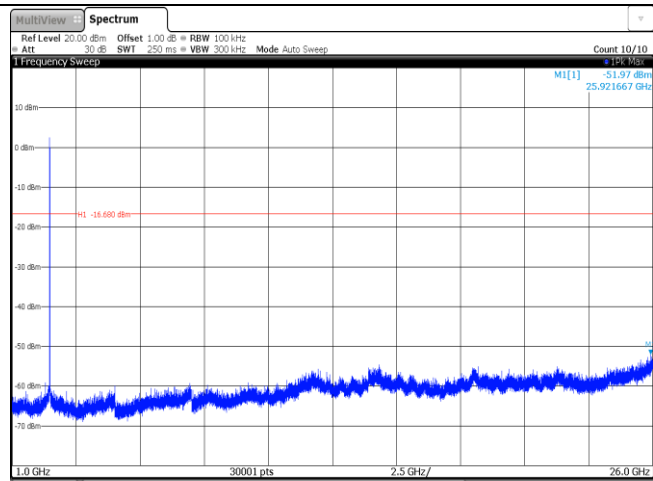
Date: 18 MAY 2022 15:08:55

CH11
30MHz~1000MHz

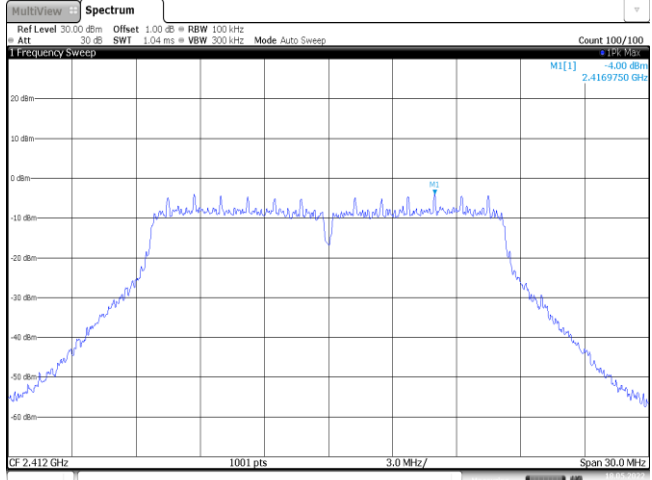
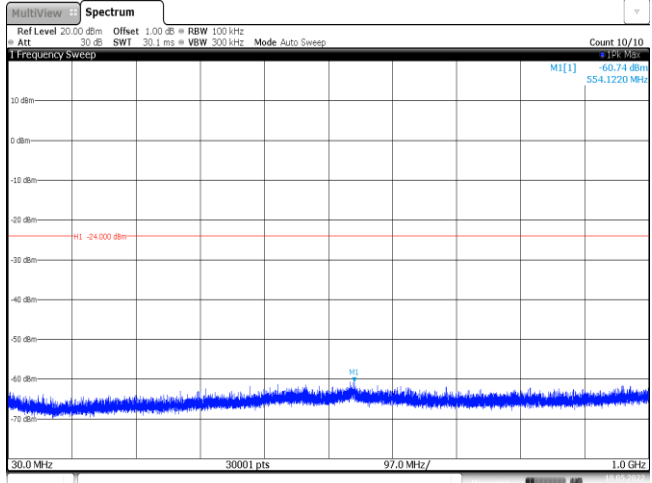
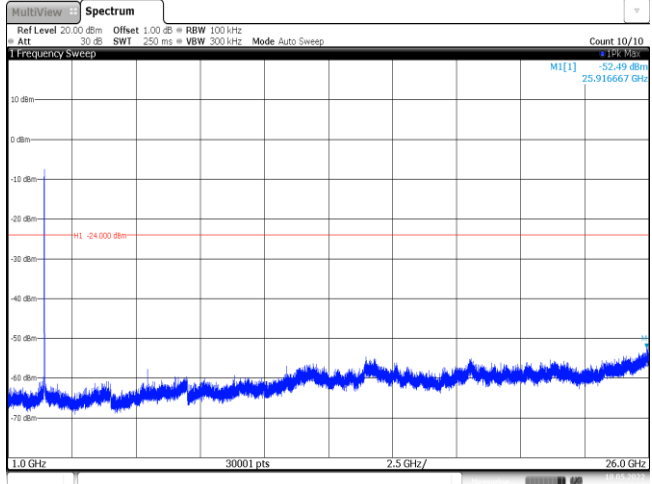


Date: 18 MAY 2022 15:09:13

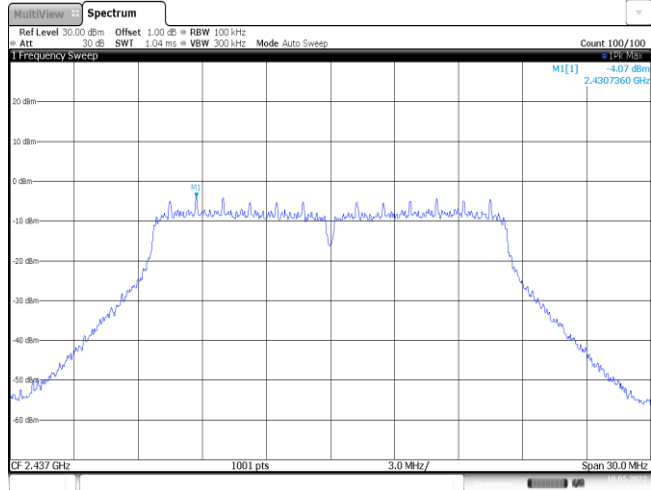
CH11
1GHz~26GHz



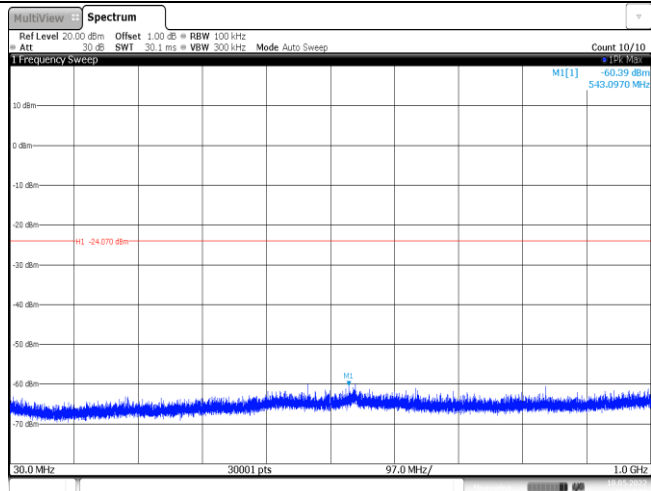
Date: 18 MAY 2022 15:09:20

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

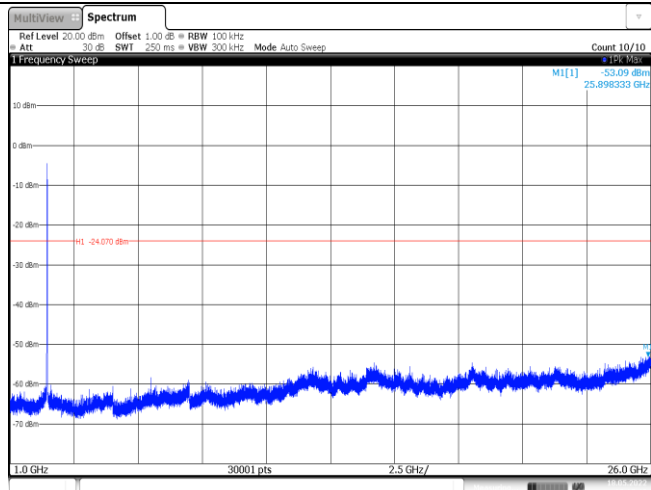
CH06
Reference level



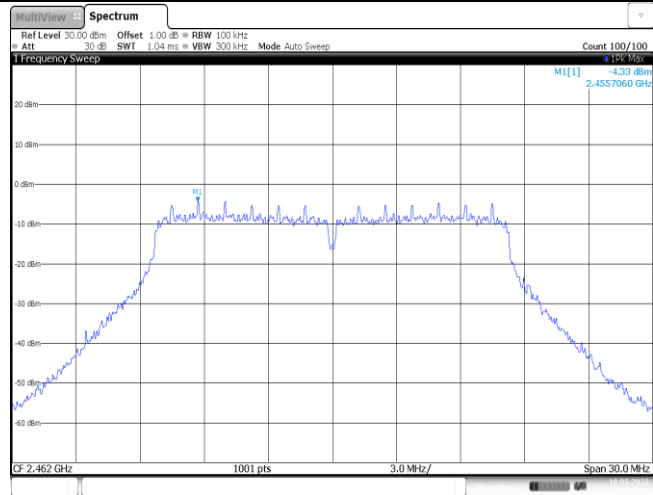
CH06
30MHz~1000MHz



CH06
1GHz~26GHz

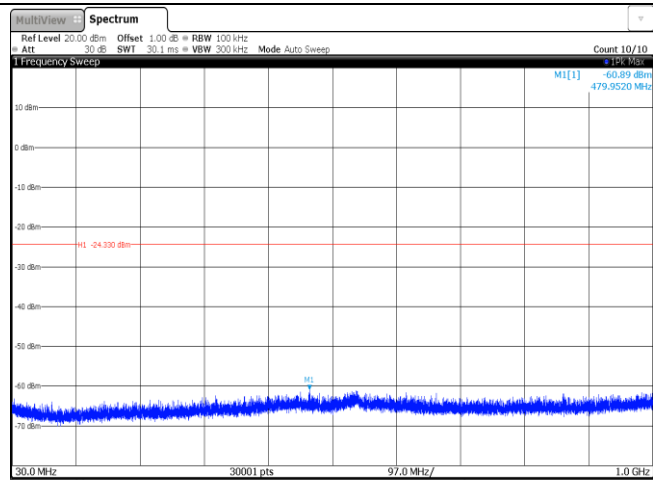


CH11
Reference level



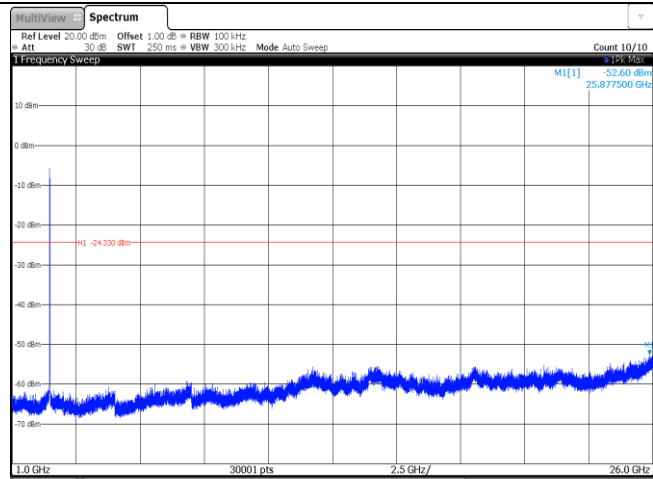
Date: 18 MAY 2022 15:22:43

CH11
30MHz~1000MHz

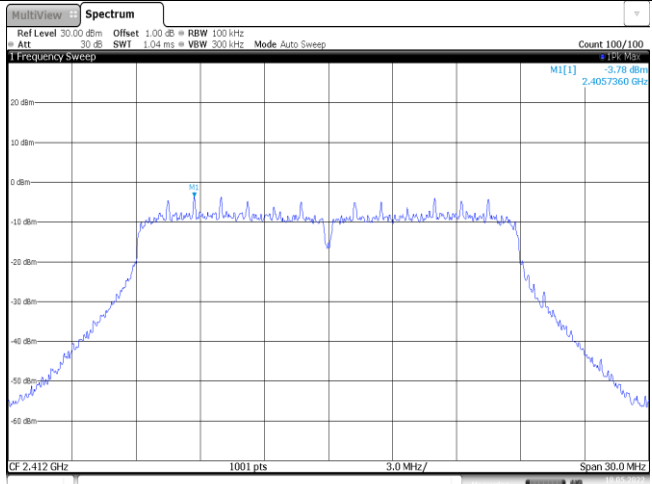
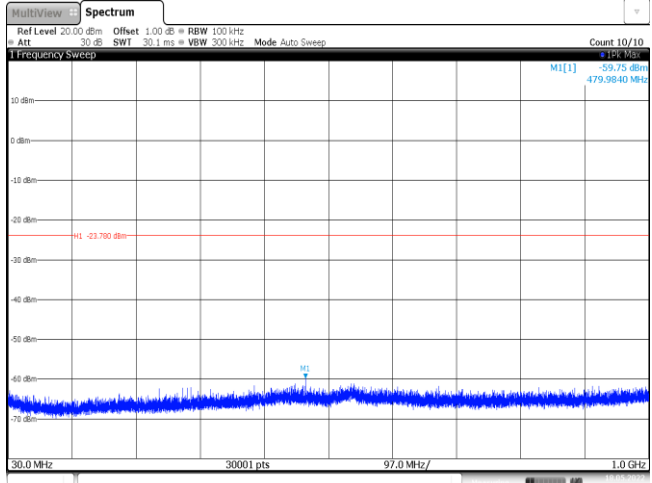
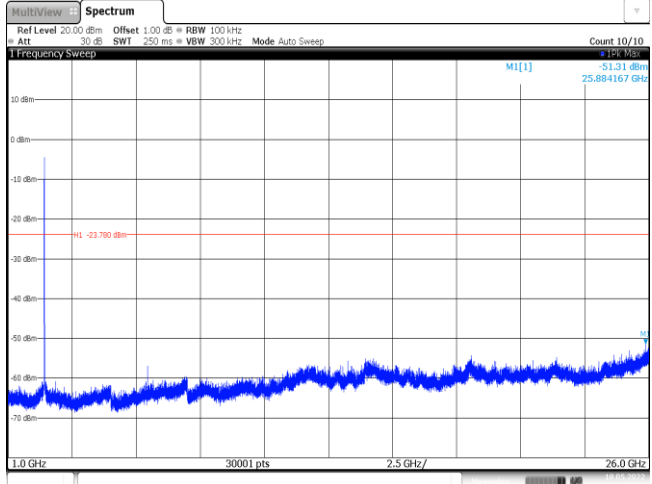


Date: 18 MAY 2022 15:23:40

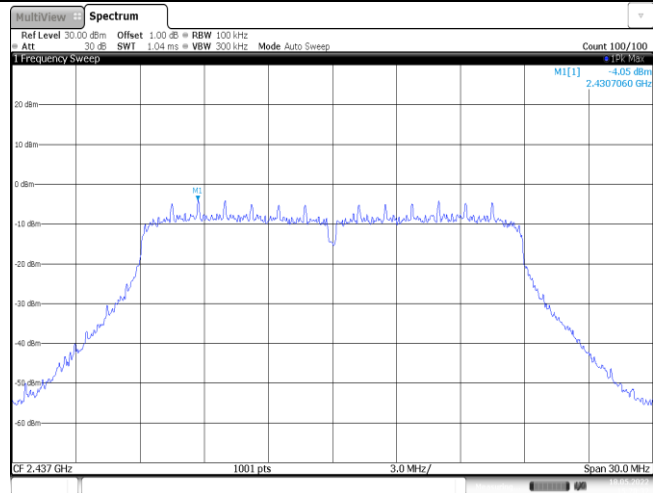
CH11
1GHz~26GHz



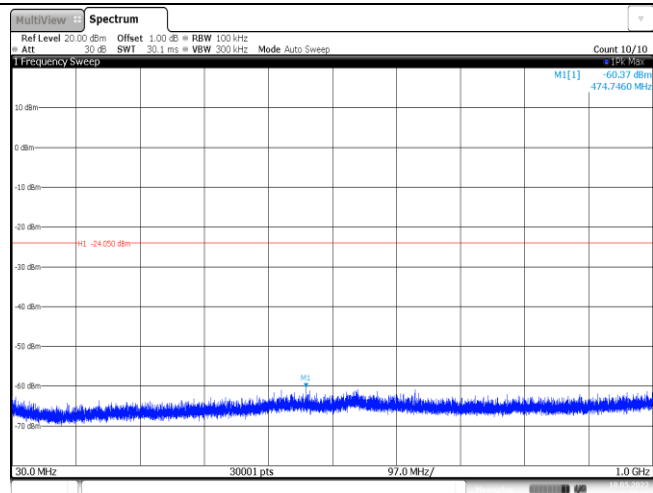
Date: 18 MAY 2022 15:23:19

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

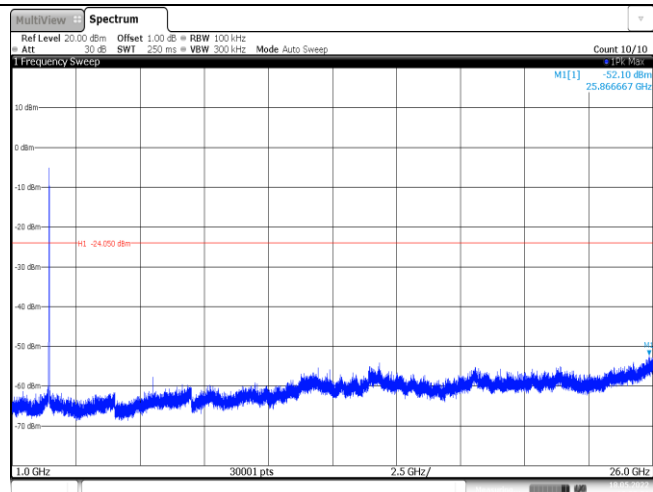
CH06
Reference level



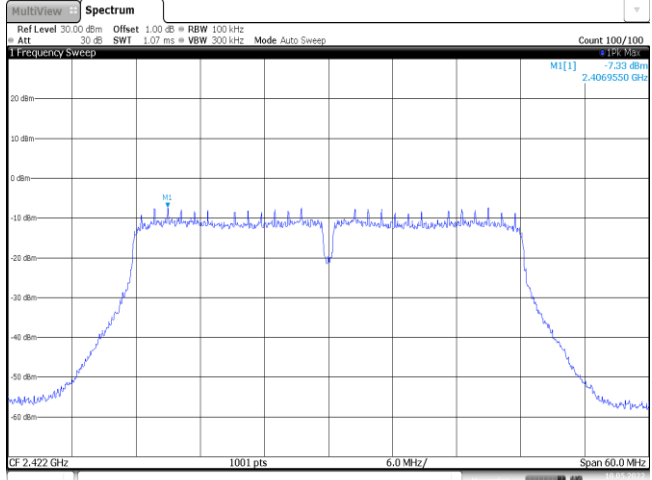
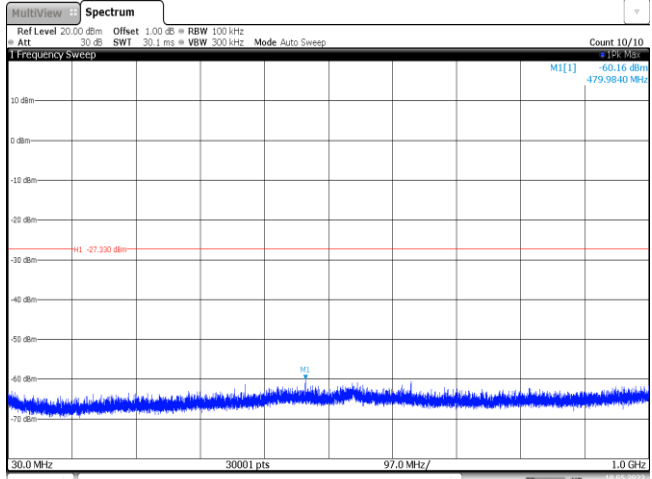
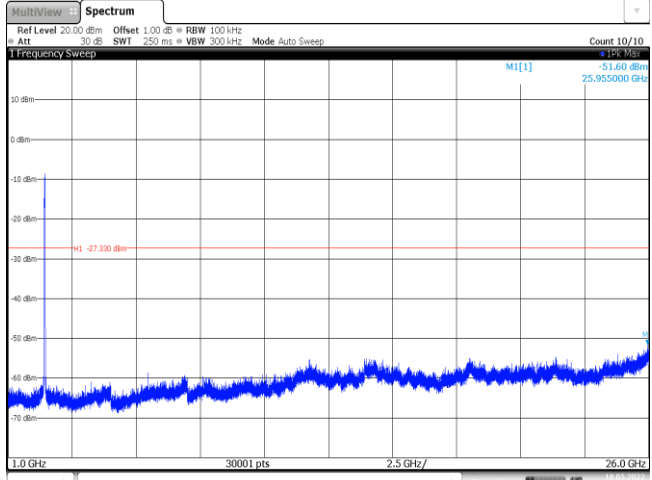
CH06
30MHz~1000MHz



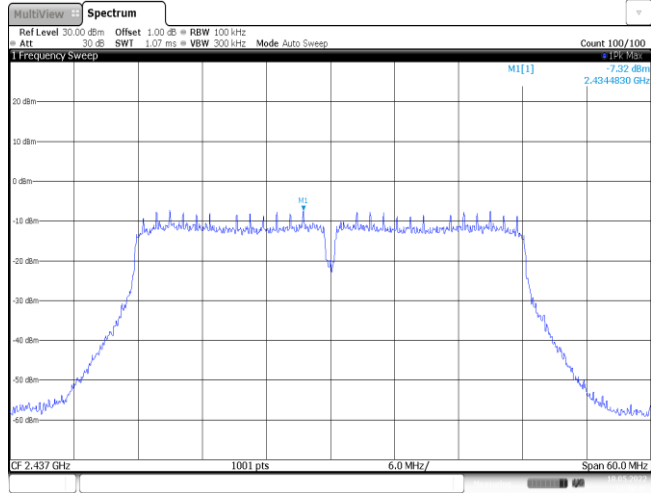
CH06
1GHz~26GHz



<p>CH11 Reference level</p>	<p>Date: 18 MAY 2022 15:00:18</p>
<p>CH11 30MHz~1000MHz</p>	<p>Date: 18 MAY 2022 15:00:25</p>
<p>CH11 1GHz~26GHz</p>	<p>Date: 18 MAY 2022 15:00:53</p>

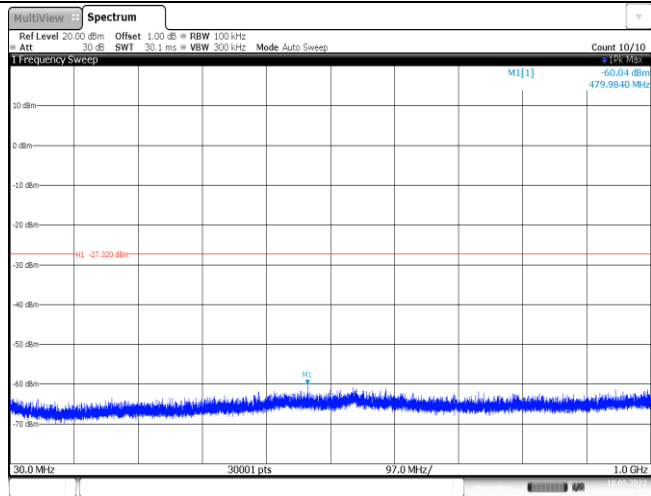
Test Item:	SE	Type:	802.11n(HT40)
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<p>CH03 30MHz~1000MHz</p>			
<p>CH03 1GHz~26GHz</p>			

CH06
Reference level



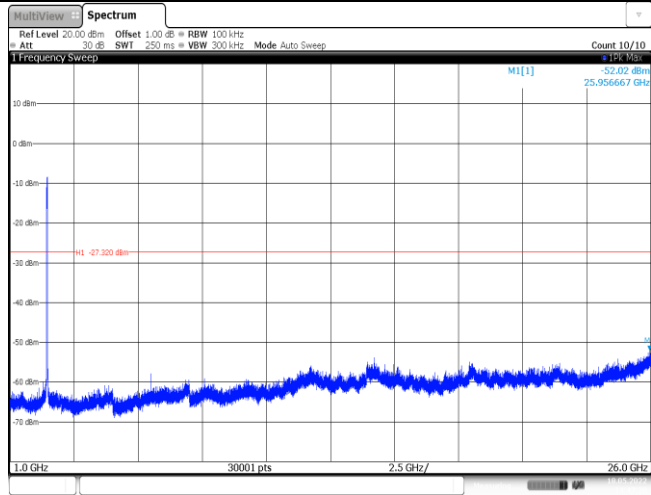
Date: 18 MAY 2022 14:46:46

CH06
30MHz~1000MHz



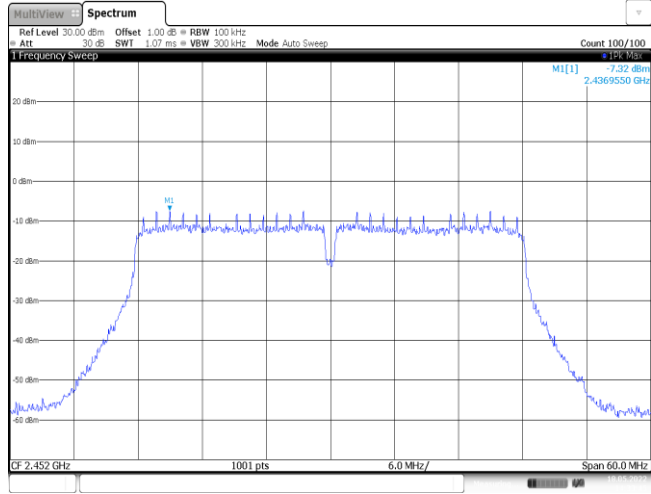
Date: 18 MAY 2022 14:47:43

CH06
1GHz~26GHz



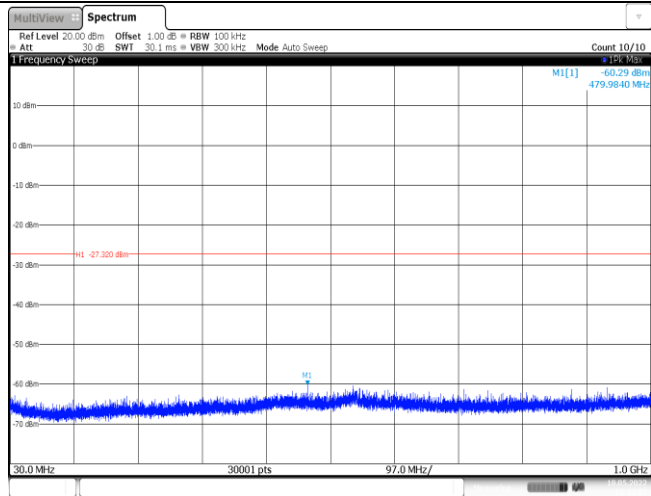
Date: 18 MAY 2022 14:47:20

CH09
Reference level



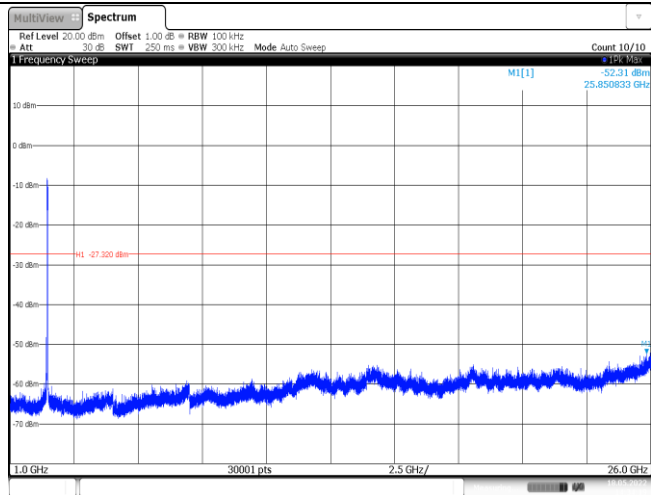
Date:18 MAY 2022 14:03:45

CH09
30MHz~1000MHz



Date:18 MAY 2022 14:04:01

CH09
1GHz~26GHz



Date:18 MAY 2022 14:04:19

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