

APPENDIX REPORT

Project No.	SHT2005099304EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT20050993021	Model No.	TE580PD
Start test date	2020/7/6	Finish date	2020/7/6
Temperature	25°C	Humidity	50%
Test Engineer	Jiongsheng.Feng	Auditor	<i>William.wang</i>

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
E	Band edge and Spurious Emissions (conducted)	PASS

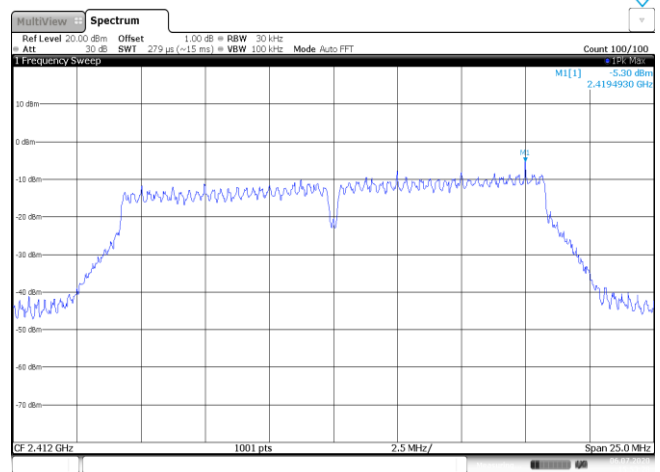
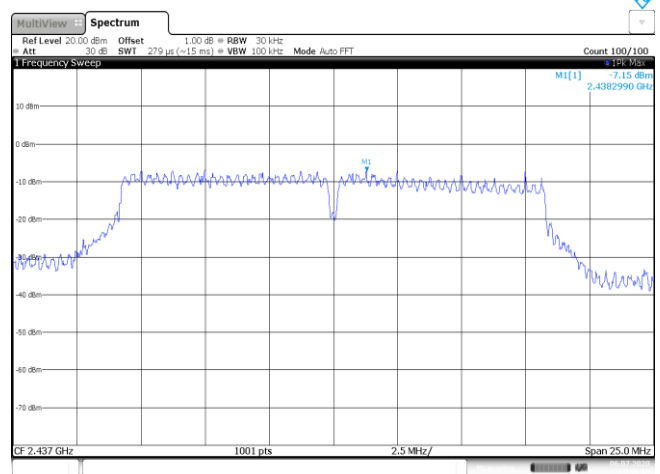
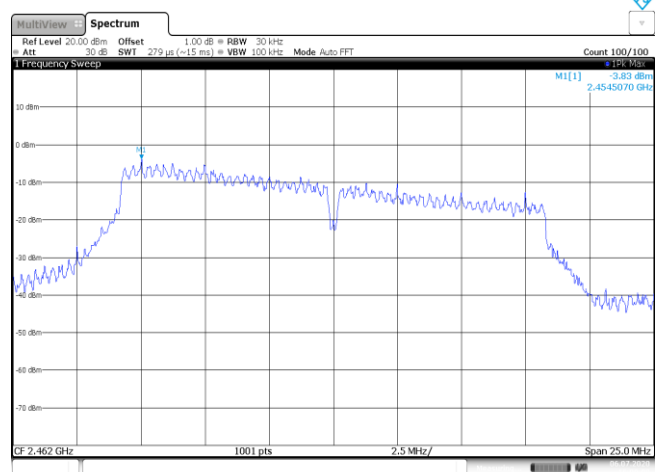
Appendix A: Conducted Peak Output Power

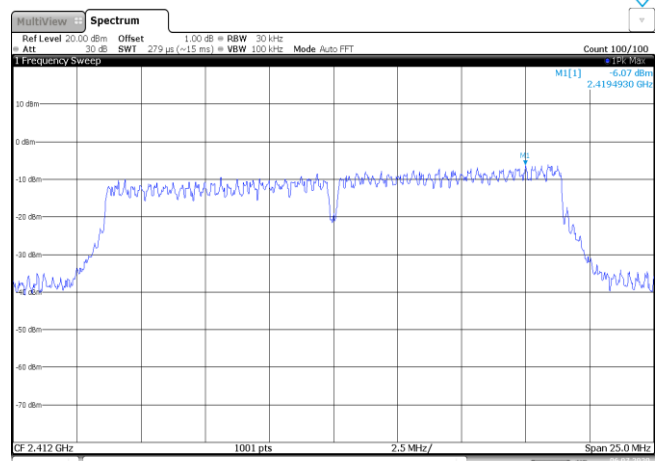
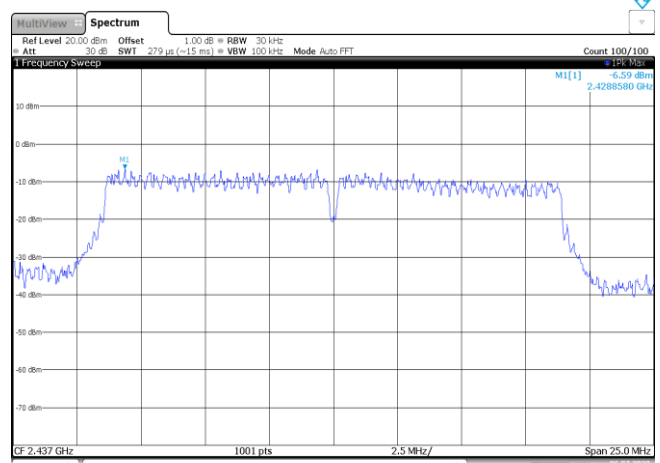
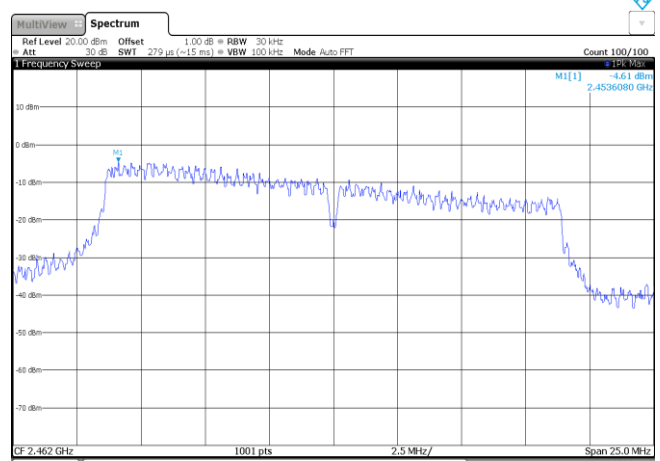
Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	13.94	11.35	≤ 30.00	Pass
	06	15.01	12.63		
	11	14.25	11.84		
802.11g	01	16.23	13.83	≤ 30.00	Pass
	06	18.26	15.89		
	11	16.79	14.56		
802.11n (HT20)	01	18.40	15.93	≤ 30.00	Pass
	06	18.69	16.11		
	11	17.97	15.38		
802.11n(HT40)	03	12.50	10.08	≤ 30.00	Pass
	06	11.75	9.61		
	09	11.67	8.74		

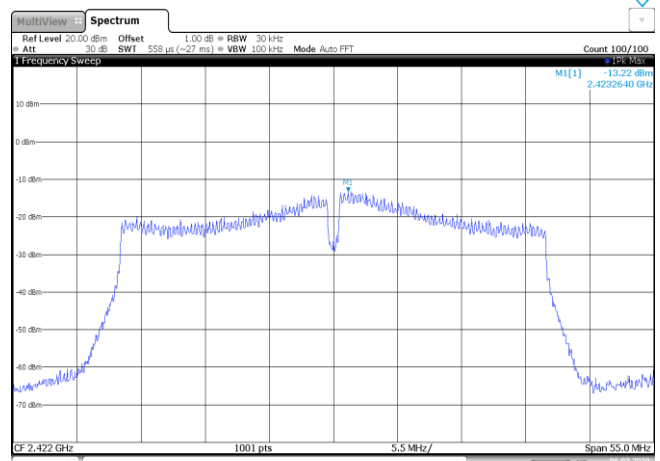
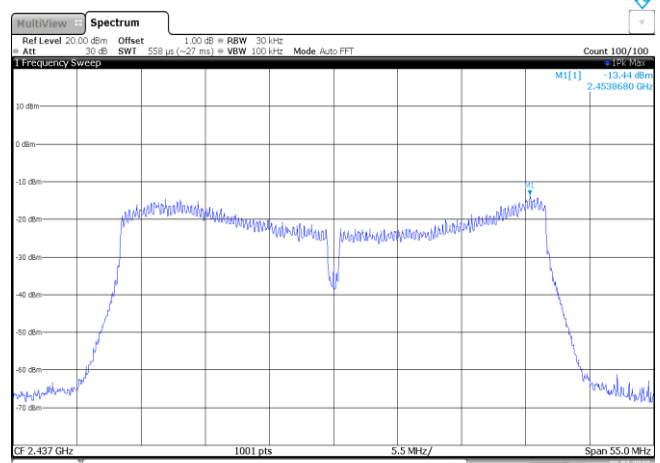
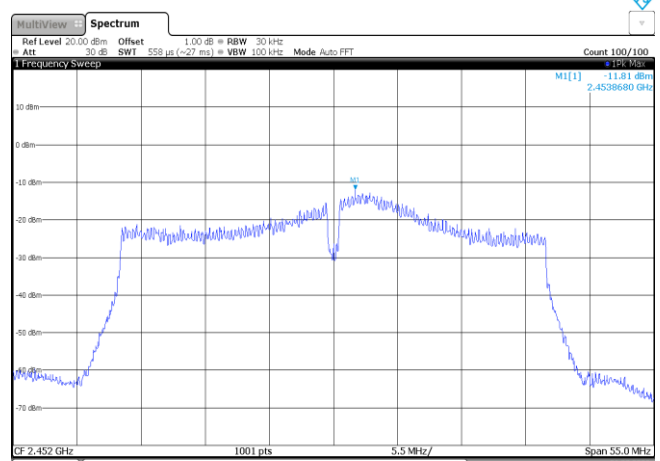
Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	-5.43	≤8.00	Pass
	06	-4.19		
	11	-4.16		
802.11g	01	-5.30	≤8.00	Pass
	06	-7.15		
	11	-3.83		
802.11n(HT20)	01	-6.07	≤8.00	Pass
	06	-6.59		
	11	-4.61		
802.11n(HT40)	03	-13.22	≤8.00	Pass
	06	-13.44		
	09	-11.81		

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 Frequency Swcnp M1[1] -1.10 dBm 2.4128950 GHz CF 2.412 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 6.JUL.2020 15:30:18</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 Frequency Swcnp M1[1] -1.10 dBm 2.4360730 GHz CF 2.437 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 6.JUL.2020 15:34:27</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 Frequency Swcnp M1[1] -1.10 dBm 2.4590750 GHz CF 2.462 GHz 1001 pts 1.6 MHz/ Span 16.0 MHz Date: 6.JUL.2020 15:38:56</p>

Type:	802.11 g
CH01	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 275 μs (~15 ms) VBW 100 kHz Mode Auto FFT Count 100/100 Frequency Swcnp MI[1] 2.4194930 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 6.JUL.2020 15:53:28</p>
CH06	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 275 μs (~15 ms) VBW 100 kHz Mode Auto FFT Count 100/100 Frequency Swcnp MI[1] 2.4382990 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 6.JUL.2020 15:55:48</p>
CH11	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 30 kHz Att 30 dB SWI 275 μs (~15 ms) VBW 100 kHz Mode Auto FFT Count 100/100 Frequency Swcnp MI[1] 2.4545070 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 6.JUL.2020 16:00:08</p>

Type:	802.11n(HT20)
CH01	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB # RBW 30 kHz Att 30 dB SWI 275 μs (-15 ms) # VBW 100 kHz Mode Auto FFT Count 100/100 Frequency Swcnp MI[1] 5.07 dBm 2.4194930 GHz CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 6.JUL.2020 16:02:29</p>
CH06	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB # RBW 30 kHz Att 30 dB SWI 275 μs (-15 ms) # VBW 100 kHz Mode Auto FFT Count 100/100 Frequency Swcnp MI[1] 5.29 dBm 2.4288580 GHz CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 6.JUL.2020 16:06:12</p>
CH11	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB # RBW 30 kHz Att 30 dB SWI 275 μs (-15 ms) # VBW 100 kHz Mode Auto FFT Count 100/100 Frequency Swcnp MI[1] 5.61 dBm 2.4536080 GHz CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 6.JUL.2020 16:08:15</p>

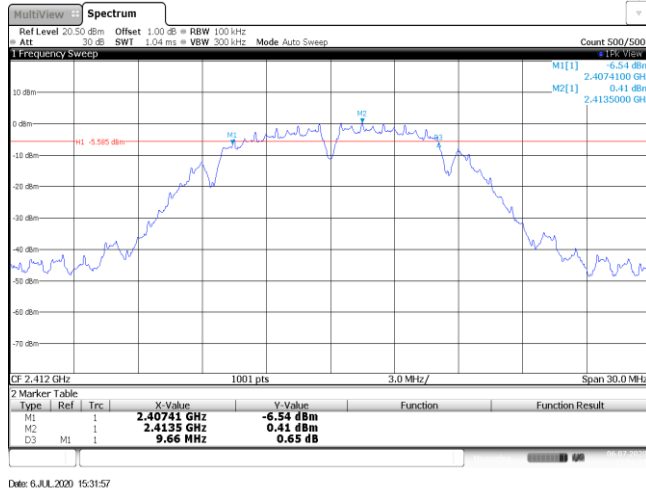
Type:	802.11n(HT40)
CH03	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB # RBW 30 kHz Att 30 dB SWI 558 μs (-27 ms) # VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Swcnp MI[1] -13.22 dBm 2.4232640 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.422 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 6.JUL.2020 16:13:35</p>
CH06	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB # RBW 30 kHz Att 30 dB SWI 558 μs (-27 ms) # VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Swcnp MI[1] -13.41 dBm 2.4386680 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.437 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 6.JUL.2020 16:17:02</p>
CH09	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB # RBW 30 kHz Att 30 dB SWI 558 μs (-27 ms) # VBW 100 kHz Mode Auto FFT Count 100/100 1 Frequency Swcnp MI[1] -11.81 dBm 2.4538680 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.452 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 6.JUL.2020 16:20:04</p>

Appendix C: 6dB bandwidth

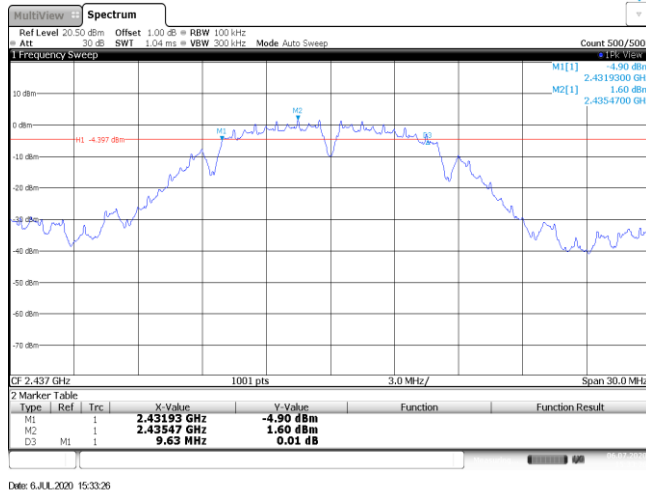
Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	9.66	≥0.5	Pass
	06	9.63		
	11	8.73		
802.11g	01	15.72	≥0.5	Pass
	06	15.81		
	11	7.02		
802.11n(HT20)	01	17.76	≥0.5	Pass
	06	17.79		
	11	10.05		
802.11n(HT40)	03	13.32	≥0.5	Pass
	06	36.30		
	09	10.86		

Type: **802.11 b**

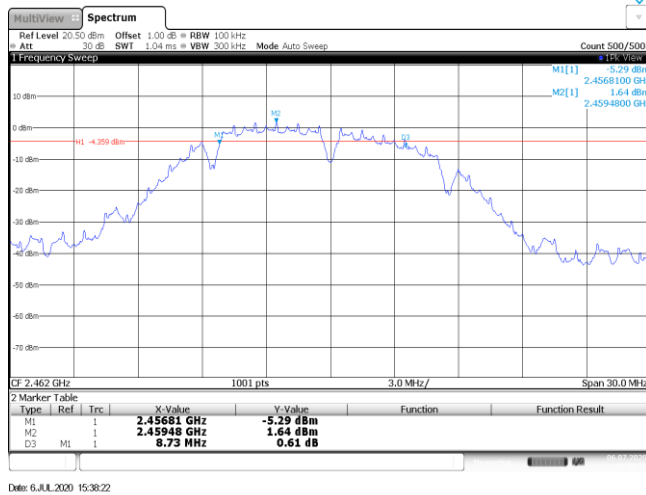
CH01



CH06

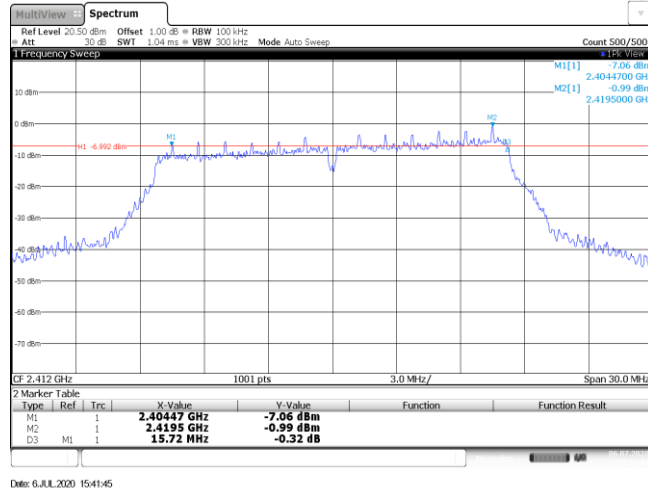


CH11

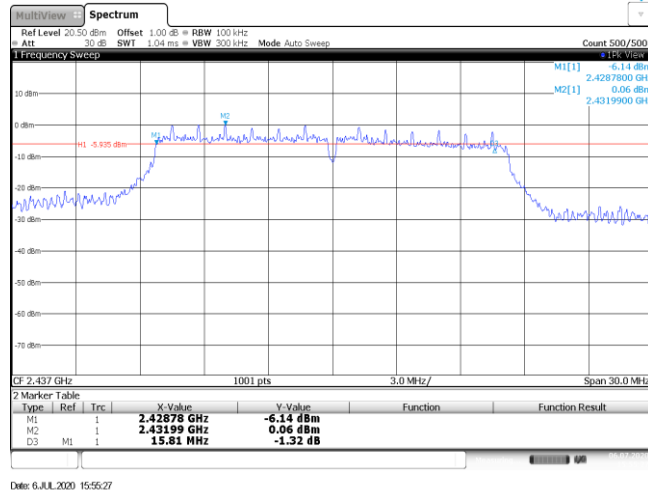


Type: **802.11 g**

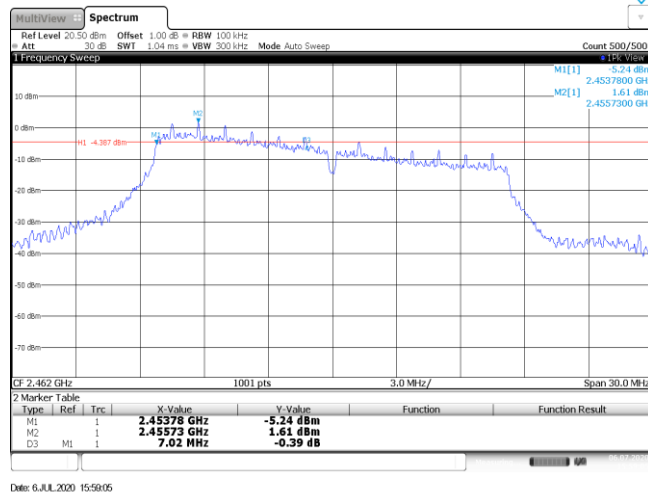
CH01

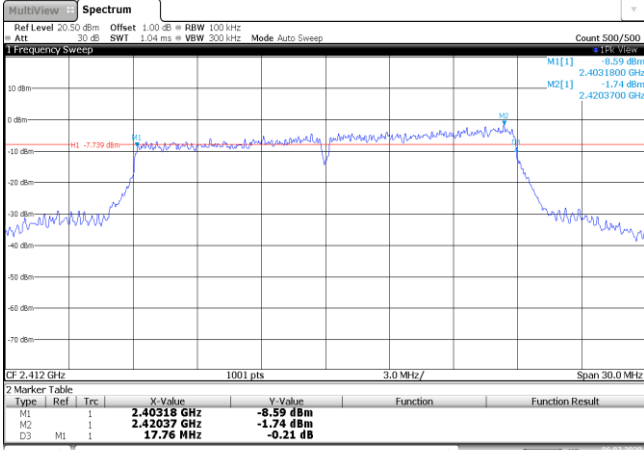
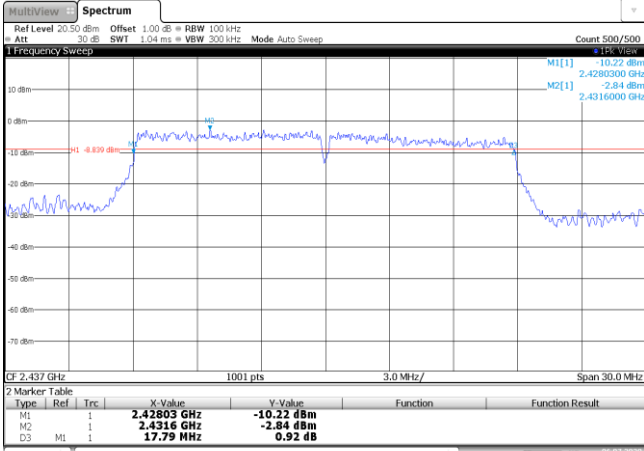
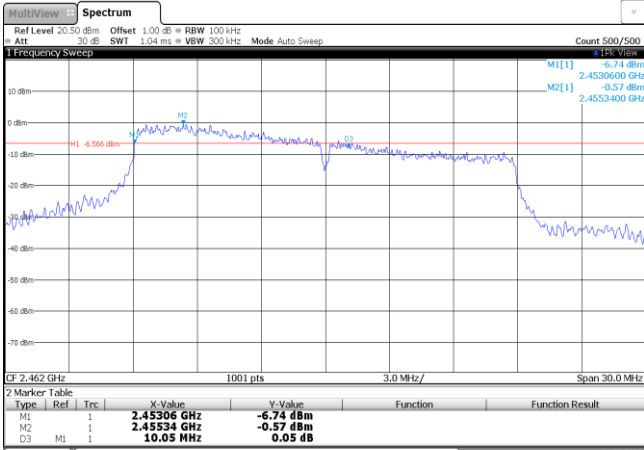


CH06



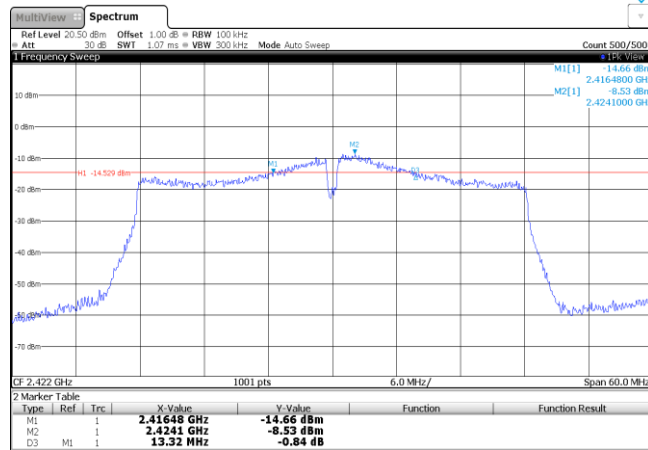
CH11



Type:	802.11n(HT20)																												
CH01	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz Count 500/500 Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep</p> <p>1 Frequency Sweep M1[1] -8.59 dBm 2.4031800 GHz M2[1] 1.74 dBm 2.4203700 GHz</p> <p>H1 -7.739 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>1</td> <td></td> <td>2.40318 GHz</td> <td>-8.59 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.42037 GHz</td> <td>-1.74 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.76 MHz</td> <td>-0.21 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 16:02:07</p>	Type	Ref	Trc	X Value	Y Value	Function	Function Result	M1	1		2.40318 GHz	-8.59 dBm			M2	1		2.42037 GHz	-1.74 dBm			D3	M1	1	17.76 MHz	-0.21 dB		
Type	Ref	Trc	X Value	Y Value	Function	Function Result																							
M1	1		2.40318 GHz	-8.59 dBm																									
M2	1		2.42037 GHz	-1.74 dBm																									
D3	M1	1	17.76 MHz	-0.21 dB																									
CH06	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz Count 500/500 Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep</p> <p>1 Frequency Sweep M1[1] -10.22 dBm 2.4280300 GHz M2[1] -2.84 dBm 2.4316000 GHz</p> <p>H1 -8.839 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>1</td> <td></td> <td>2.42803 GHz</td> <td>-10.22 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4316 GHz</td> <td>-2.84 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>17.79 MHz</td> <td>0.92 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 16:04:47</p>	Type	Ref	Trc	X Value	Y Value	Function	Function Result	M1	1		2.42803 GHz	-10.22 dBm			M2	1		2.4316 GHz	-2.84 dBm			D3	M1	1	17.79 MHz	0.92 dB		
Type	Ref	Trc	X Value	Y Value	Function	Function Result																							
M1	1		2.42803 GHz	-10.22 dBm																									
M2	1		2.4316 GHz	-2.84 dBm																									
D3	M1	1	17.79 MHz	0.92 dB																									
CH11	 <p>Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz Count 500/500 Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep</p> <p>1 Frequency Sweep M1[1] -6.74 dBm 2.4530600 GHz M2[1] -0.57 dBm 2.4553400 GHz</p> <p>H1 -4.566 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>1</td> <td></td> <td>2.45306 GHz</td> <td>-6.74 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.45534 GHz</td> <td>-0.57 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>10.05 MHz</td> <td>0.05 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 16:07:53</p>	Type	Ref	Trc	X Value	Y Value	Function	Function Result	M1	1		2.45306 GHz	-6.74 dBm			M2	1		2.45534 GHz	-0.57 dBm			D3	M1	1	10.05 MHz	0.05 dB		
Type	Ref	Trc	X Value	Y Value	Function	Function Result																							
M1	1		2.45306 GHz	-6.74 dBm																									
M2	1		2.45534 GHz	-0.57 dBm																									
D3	M1	1	10.05 MHz	0.05 dB																									

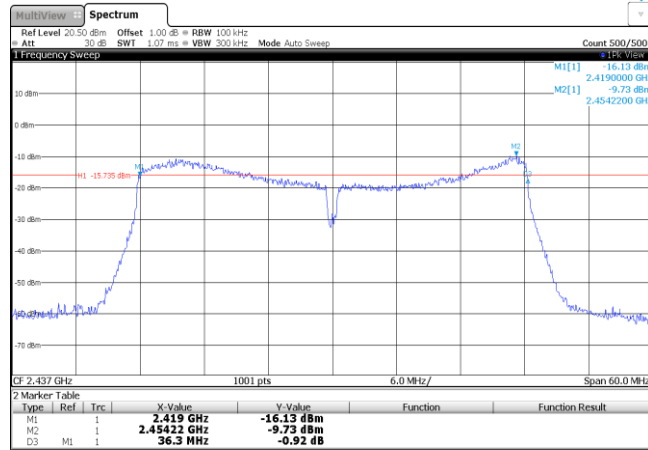
Type: 802.11n(HT40)

CH03



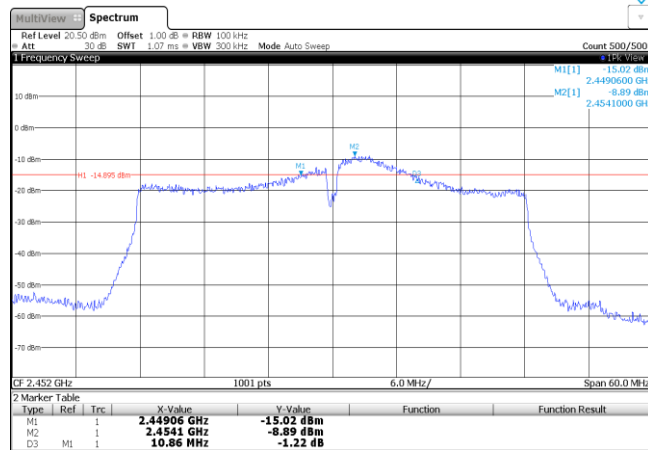
Date: 6.JUL.2020 16:12:47

CH06



Date: 6.JUL.2020 16:16:41

CH09



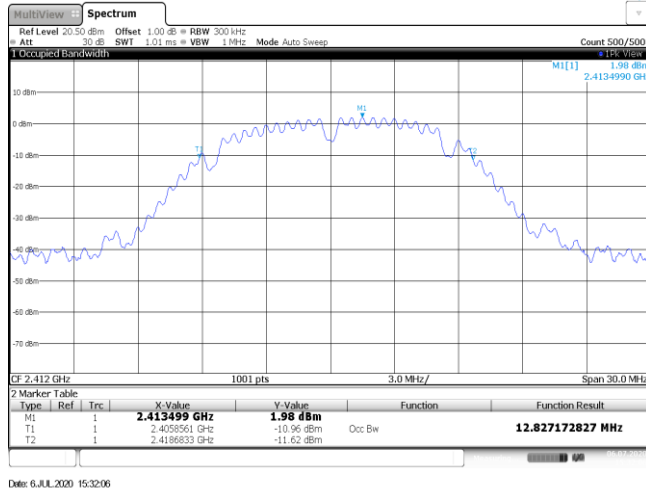
Date: 6.JUL.2020 16:18:44

Appendix D: 99% Occupied Bandwidth

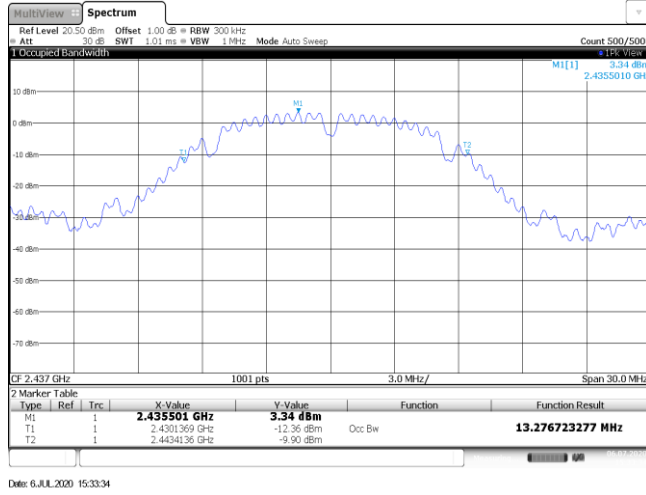
Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	12.83	-	Pass
	06	13.28		
	11	13.40		
802.11g	01	17.29	-	Pass
	06	18.04		
	11	17.02		
802.11n(HT20)	01	18.01	-	Pass
	06	18.13		
	11	17.86		
802.11n(HT40)	03	35.66	-	Pass
	06	36.68		
	09	35.54		

Type: **802.11 b**

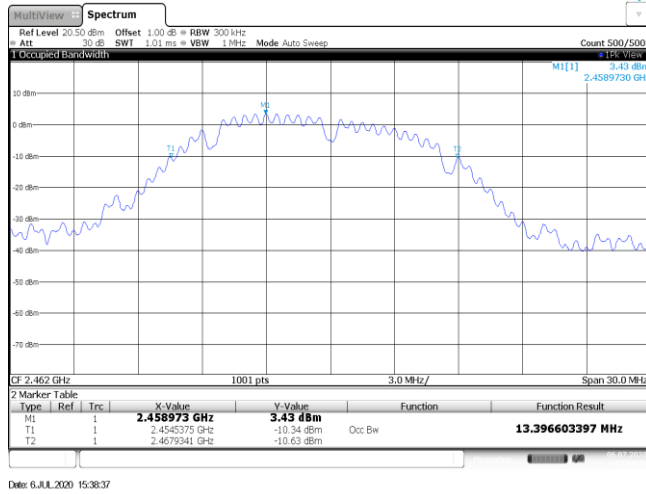
CH01

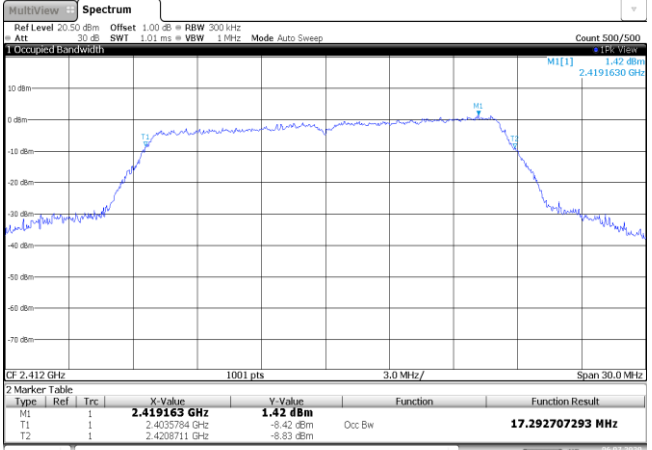
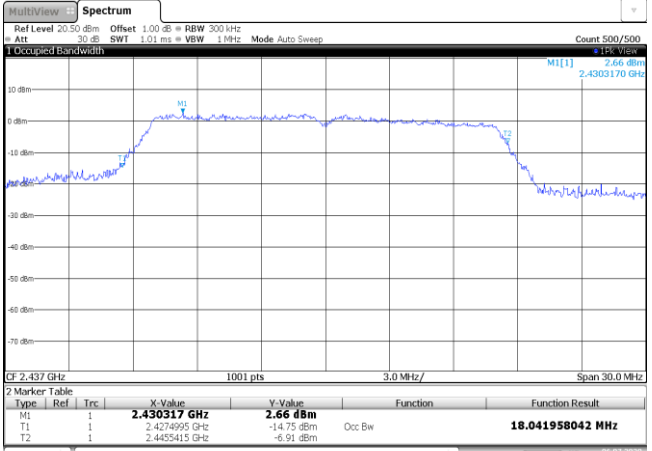
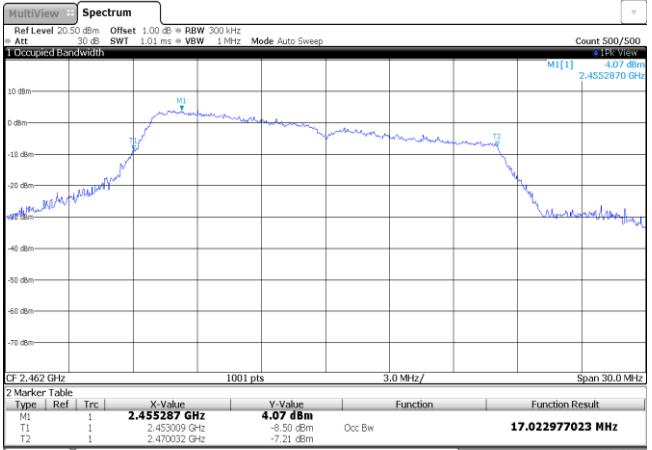


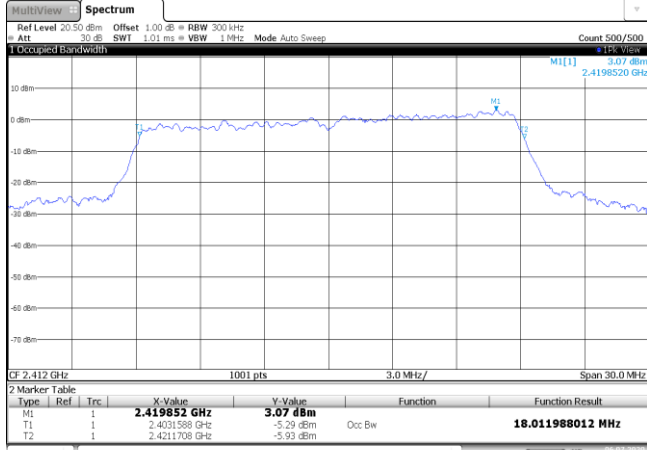


CH06



CH11

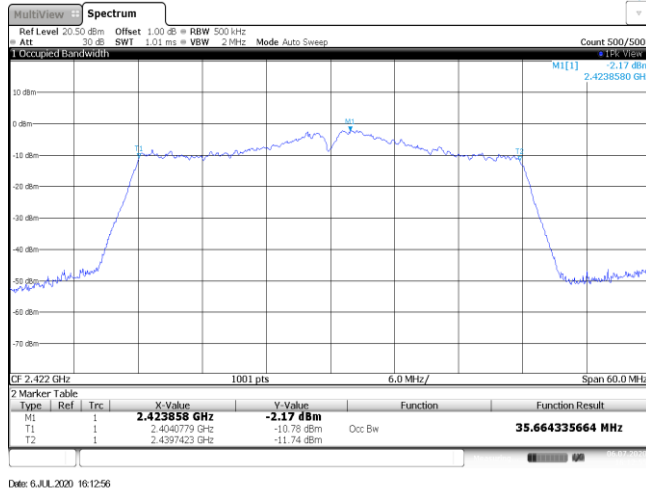


Type:	802.11 g																												
CH01	 <p>1 Occupied Bandwidth</p> <p>Count 500/500</p> <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz</p> <p>Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep</p> <p>CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <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>2.419163 GHz</td> <td>1.42 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4035784 GHz</td> <td>-8.42 dBm</td> <td>Occ Bw</td> <td>17.292707293 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4208711 GHz</td> <td>-8.83 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 15:41:53</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.419163 GHz	1.42 dBm			T1	1		2.4035784 GHz	-8.42 dBm	Occ Bw	17.292707293 MHz	T2	1		2.4208711 GHz	-8.83 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.419163 GHz	1.42 dBm																									
T1	1		2.4035784 GHz	-8.42 dBm	Occ Bw	17.292707293 MHz																							
T2	1		2.4208711 GHz	-8.83 dBm																									
CH06	 <p>1 Occupied Bandwidth</p> <p>Count 500/500</p> <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz</p> <p>Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep</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>2.430317 GHz</td> <td>2.66 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4274995 GHz</td> <td>-14.75 dBm</td> <td>Occ Bw</td> <td>18.041958042 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4455415 GHz</td> <td>-6.91 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 15:55:05</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.430317 GHz	2.66 dBm			T1	1		2.4274995 GHz	-14.75 dBm	Occ Bw	18.041958042 MHz	T2	1		2.4455415 GHz	-6.91 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.430317 GHz	2.66 dBm																									
T1	1		2.4274995 GHz	-14.75 dBm	Occ Bw	18.041958042 MHz																							
T2	1		2.4455415 GHz	-6.91 dBm																									
CH11	 <p>1 Occupied Bandwidth</p> <p>Count 500/500</p> <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz</p> <p>Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep</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>2.455287 GHz</td> <td>4.07 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.453009 GHz</td> <td>-8.50 dBm</td> <td>Occ Bw</td> <td>17.022977023 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.470032 GHz</td> <td>-7.21 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 15:59:14</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.455287 GHz	4.07 dBm			T1	1		2.453009 GHz	-8.50 dBm	Occ Bw	17.022977023 MHz	T2	1		2.470032 GHz	-7.21 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		2.455287 GHz	4.07 dBm																									
T1	1		2.453009 GHz	-8.50 dBm	Occ Bw	17.022977023 MHz																							
T2	1		2.470032 GHz	-7.21 dBm																									

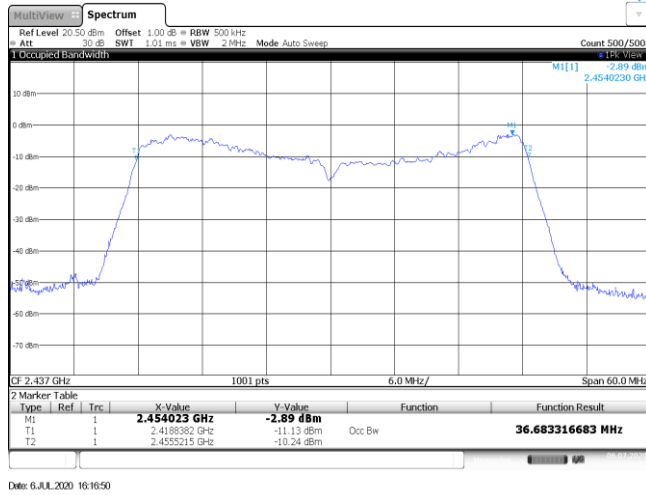
Type:	802.11n(HT20)																												
CH01	 <p>MultiView Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep</p> <p>Count 500/500</p> <p>1 Occupied Bandwidth</p> <p>M1(1) 3.07 dBm 2.4198520 GHz</p> <p>CF 2.412 GHz 1001 pts 3.0 MHz/ 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>2.419852 GHz</td> <td>3.07 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4031588 GHz</td> <td>-5.29 dBm</td> <td>Occ Bw</td> <td>18.011988012 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4211708 GHz</td> <td>-5.93 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 16:02:16</p>	Type	Ref	Trc	X Value	Y Value	Function	Function Result	M1	1		2.419852 GHz	3.07 dBm			T1	1		2.4031588 GHz	-5.29 dBm	Occ Bw	18.011988012 MHz	T2	1		2.4211708 GHz	-5.93 dBm		
Type	Ref	Trc	X Value	Y Value	Function	Function Result																							
M1	1		2.419852 GHz	3.07 dBm																									
T1	1		2.4031588 GHz	-5.29 dBm	Occ Bw	18.011988012 MHz																							
T2	1		2.4211708 GHz	-5.93 dBm																									
CH06	 <p>MultiView Spectrum</p> <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</p> <p>Count 500/500</p> <p>1 Occupied Bandwidth</p> <p>M1(1) 2.29 dBm 2.4361910 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>2.436191 GHz</td> <td>2.29 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4277992 GHz</td> <td>-6.91 dBm</td> <td>Occ Bw</td> <td>18.131868132 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4459311 GHz</td> <td>-6.72 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 16:04:55</p>	Type	Ref	Trc	X Value	Y Value	Function	Function Result	M1	1		2.436191 GHz	2.29 dBm			T1	1		2.4277992 GHz	-6.91 dBm	Occ Bw	18.131868132 MHz	T2	1		2.4459311 GHz	-6.72 dBm		
Type	Ref	Trc	X Value	Y Value	Function	Function Result																							
M1	1		2.436191 GHz	2.29 dBm																									
T1	1		2.4277992 GHz	-6.91 dBm	Occ Bw	18.131868132 MHz																							
T2	1		2.4459311 GHz	-6.72 dBm																									
CH11	 <p>MultiView Spectrum</p> <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</p> <p>Count 500/500</p> <p>1 Occupied Bandwidth</p> <p>M1(1) 4.70 dBm 2.4541180 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>2.454118 GHz</td> <td>4.70 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.4527393 GHz</td> <td>-6.58 dBm</td> <td>Occ Bw</td> <td>17.862137862 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.4706014 GHz</td> <td>-6.12 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 16:08:02</p>	Type	Ref	Trc	X Value	Y Value	Function	Function Result	M1	1		2.454118 GHz	4.70 dBm			T1	1		2.4527393 GHz	-6.58 dBm	Occ Bw	17.862137862 MHz	T2	1		2.4706014 GHz	-6.12 dBm		
Type	Ref	Trc	X Value	Y Value	Function	Function Result																							
M1	1		2.454118 GHz	4.70 dBm																									
T1	1		2.4527393 GHz	-6.58 dBm	Occ Bw	17.862137862 MHz																							
T2	1		2.4706014 GHz	-6.12 dBm																									

Type: **802.11n(HT40)**

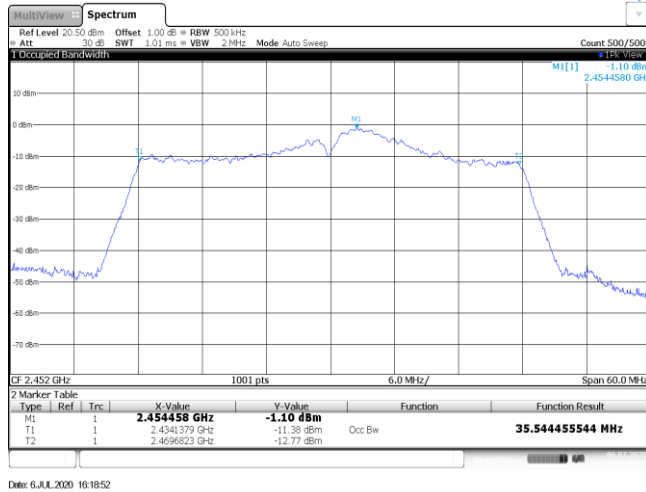
CH03



CH06

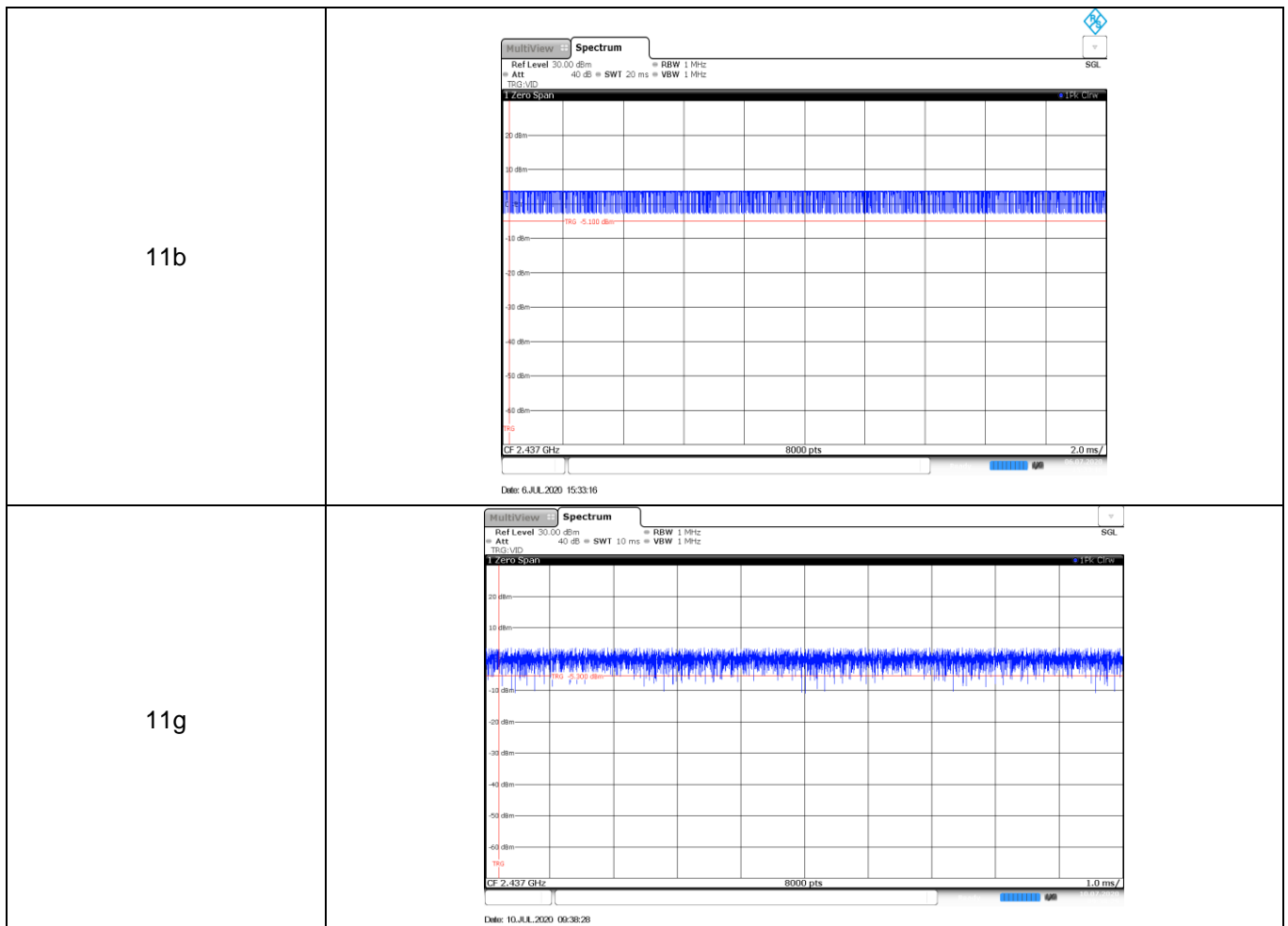


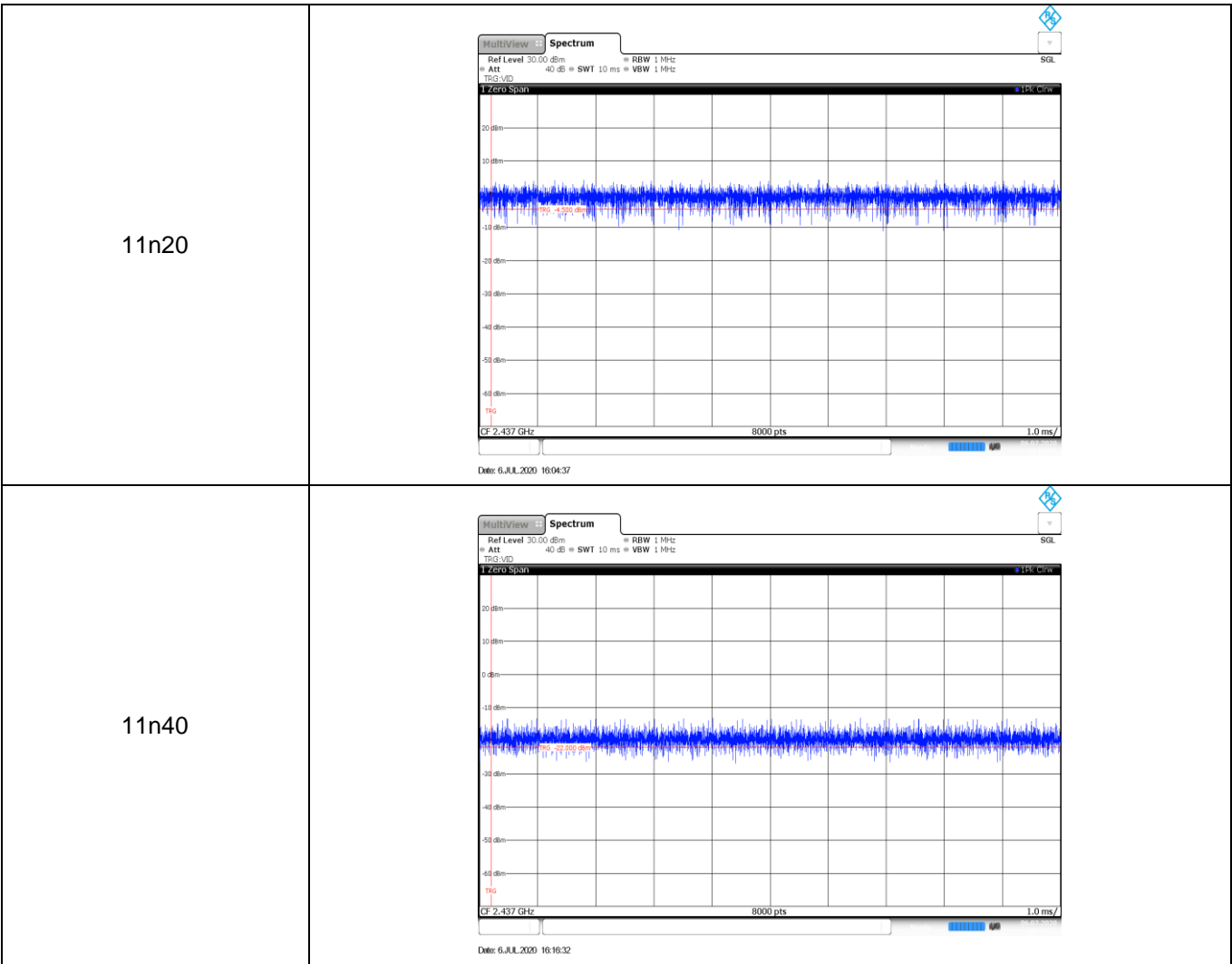
CH09



Appendix E: Duty Cycle

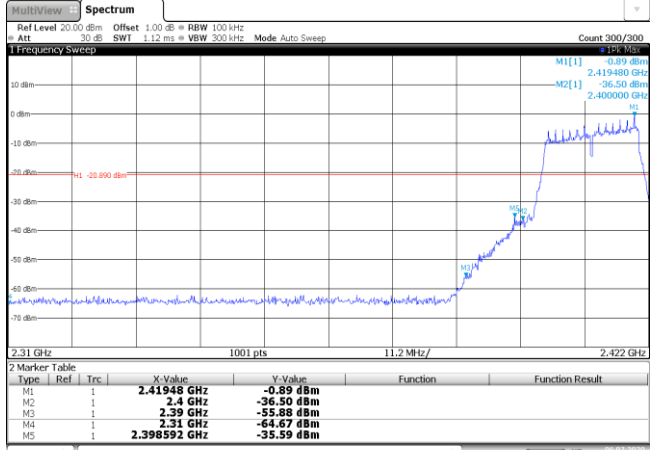
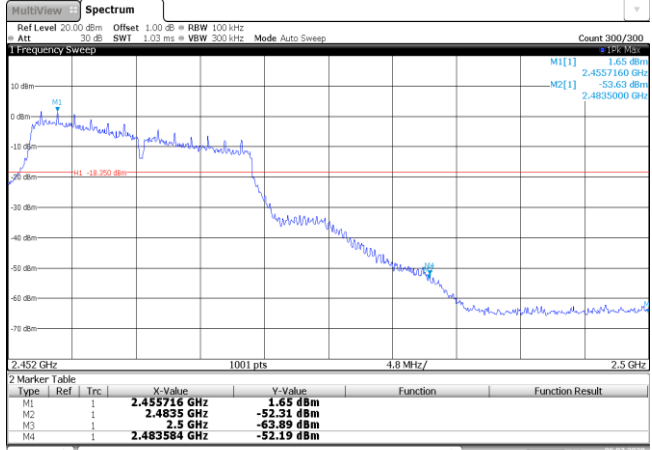
Modulation Type	Test Frequency (MHz)	T _{on time} for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on time} (kHz)
11b	2437	1.00	1.00	100.0%	1.0
11g	2437	1.00	1.00	100.0%	1.0
11n20	2437	1.00	1.00	100.0%	1.0
11n40	2437	1.00	1.00	100.0%	1.0

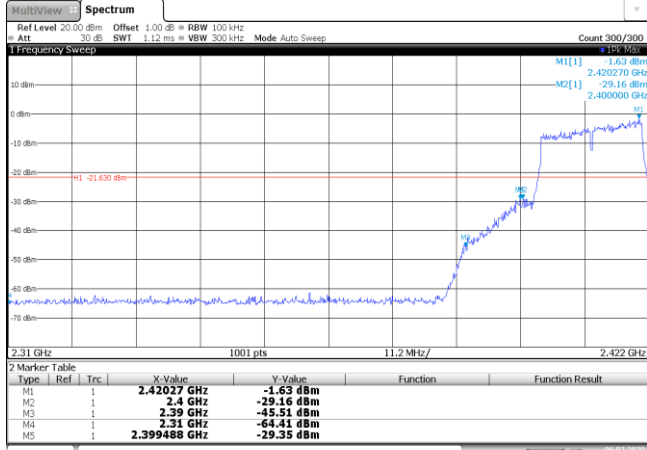
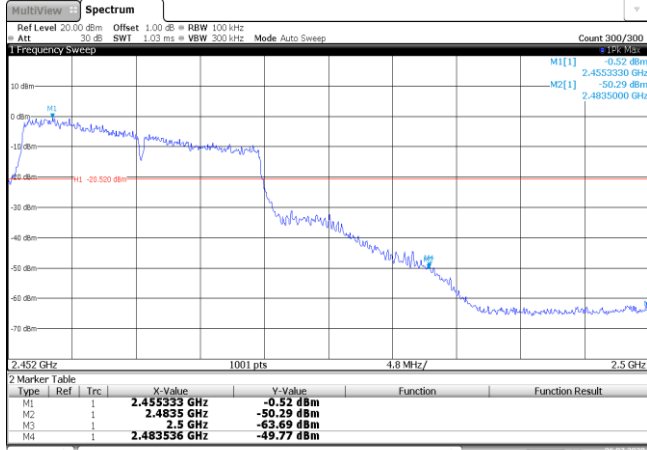




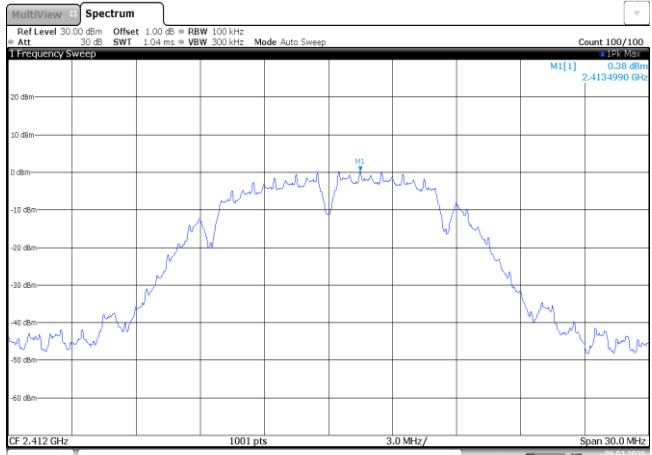
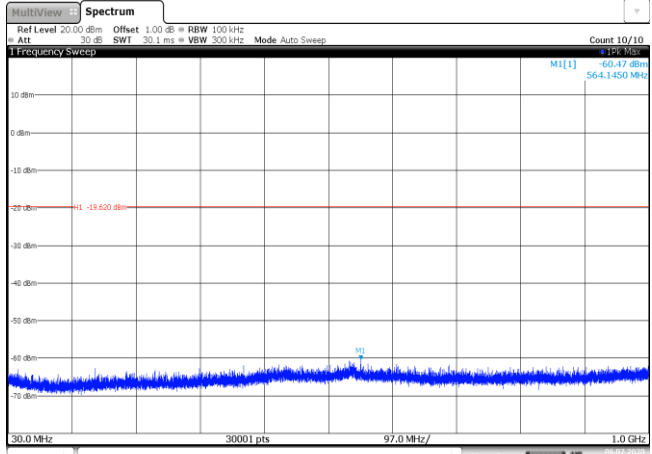
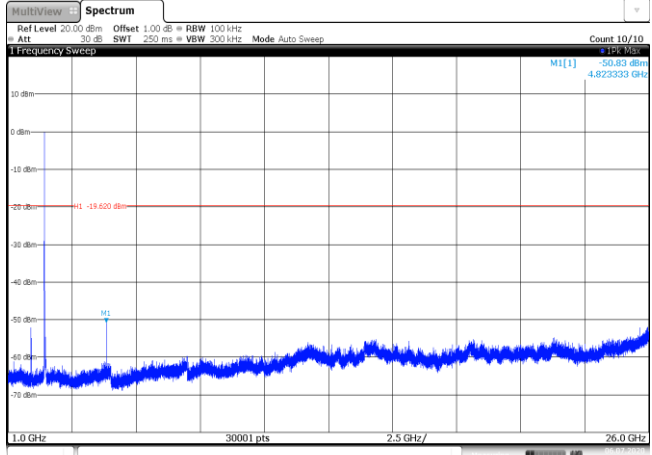
Appendix F: Band edge and Spurious Emissions (conducted)

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>2.41344 GHz</td> <td>1.04 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-43.89 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-51.15 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.33 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399488 GHz</td> <td>-38.64 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 10.JUL.2020 09:40:47</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41344 GHz	1.04 dBm			M2	1		2.4 GHz	-43.89 dBm			M3	1		2.39 GHz	-51.15 dBm			M4	1		2.31 GHz	-64.33 dBm			M5	1		2.399488 GHz	-38.64 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41344 GHz	1.04 dBm																																									
M2	1		2.4 GHz	-43.89 dBm																																									
M3	1		2.39 GHz	-51.15 dBm																																									
M4	1		2.31 GHz	-64.33 dBm																																									
M5	1		2.399488 GHz	-38.64 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>2.459457 GHz</td> <td>1.55 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-60.59 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-63.79 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.484016 GHz</td> <td>-57.96 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 15:30:06</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.459457 GHz	1.55 dBm			M2	1		2.4835 GHz	-60.59 dBm			M3	1		2.5 GHz	-63.79 dBm			M4	1		2.484016 GHz	-57.96 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.459457 GHz	1.55 dBm																																									
M2	1		2.4835 GHz	-60.59 dBm																																									
M3	1		2.5 GHz	-63.79 dBm																																									
M4	1		2.484016 GHz	-57.96 dBm																																									

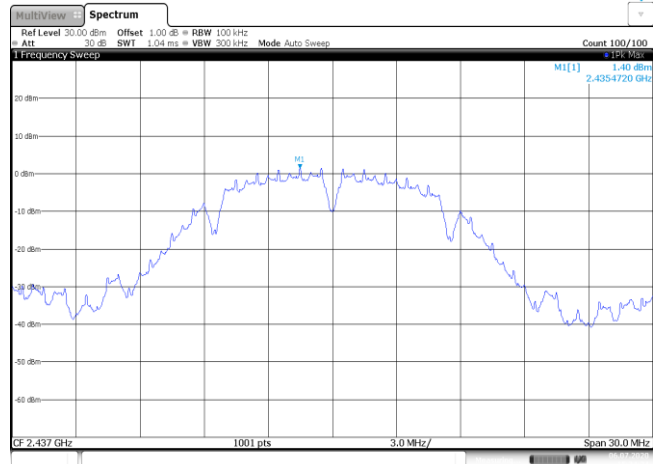
Test Item:	Bandedge	Type:	802.11 g																																										
CH01	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWI 1.12 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1 Frequency Sweep 2.31 GHz 1001 pts 11.2 MHz/ 2.422 GHz</p> <table border="1"> <thead> <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>2.41948 GHz</td> <td>-0.89 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-36.50 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-55.88 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.67 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.398592 GHz</td> <td>-35.59 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 15:53:38</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41948 GHz	-0.89 dBm			M2	1		2.4 GHz	-36.50 dBm			M3	1		2.39 GHz	-55.88 dBm			M4	1		2.31 GHz	-64.67 dBm			M5	1		2.398592 GHz	-35.59 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41948 GHz	-0.89 dBm																																									
M2	1		2.4 GHz	-36.50 dBm																																									
M3	1		2.39 GHz	-55.88 dBm																																									
M4	1		2.31 GHz	-64.67 dBm																																									
M5	1		2.398592 GHz	-35.59 dBm																																									
CH11	 <p>MultiView 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 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>2.455716 GHz</td> <td>1.65 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-52.31 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-63.89 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483584 GHz</td> <td>-52.19 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 16:00:18</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.455716 GHz	1.65 dBm			M2	1		2.4835 GHz	-52.31 dBm			M3	1		2.5 GHz	-63.89 dBm			M4	1		2.483584 GHz	-52.19 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.455716 GHz	1.65 dBm																																									
M2	1		2.4835 GHz	-52.31 dBm																																									
M3	1		2.5 GHz	-63.89 dBm																																									
M4	1		2.483584 GHz	-52.19 dBm																																									

Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
CH01	 <p>MultiView 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 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>2.42027 GHz</td> <td>-1.63 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-29.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-45.51 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.41 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.399488 GHz</td> <td>-29.35 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 16:02:30</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.42027 GHz	-1.63 dBm			M2	1		2.4 GHz	-29.16 dBm			M3	1		2.39 GHz	-45.51 dBm			M4	1		2.31 GHz	-64.41 dBm			M5	1		2.399488 GHz	-29.35 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.42027 GHz	-1.63 dBm																																									
M2	1		2.4 GHz	-29.16 dBm																																									
M3	1		2.39 GHz	-45.51 dBm																																									
M4	1		2.31 GHz	-64.41 dBm																																									
M5	1		2.399488 GHz	-29.35 dBm																																									
CH11	 <p>MultiView 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 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>2.455333 GHz</td> <td>-5.22 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4833 GHz</td> <td>-50.29 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-63.69 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483536 GHz</td> <td>-49.77 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 16:08:25</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.455333 GHz	-5.22 dBm			M2	1		2.4833 GHz	-50.29 dBm			M3	1		2.5 GHz	-63.69 dBm			M4	1		2.483536 GHz	-49.77 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.455333 GHz	-5.22 dBm																																									
M2	1		2.4833 GHz	-50.29 dBm																																									
M3	1		2.5 GHz	-63.69 dBm																																									
M4	1		2.483536 GHz	-49.77 dBm																																									

Test Item:	Bandedge	Type:	802.11 n(HT40)																																										
CH03	<p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.42413 GHz</td> <td>-9.42 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4 GHz</td> <td>-54.97 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.39 GHz</td> <td>-60.98 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.31 GHz</td> <td>-64.37 dBm</td> <td></td> <td></td> </tr> <tr> <td>M5</td> <td>1</td> <td></td> <td>2.398176 GHz</td> <td>-54.97 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 6.JUL.2020 16:13:46</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.42413 GHz	-9.42 dBm			M2	1		2.4 GHz	-54.97 dBm			M3	1		2.39 GHz	-60.98 dBm			M4	1		2.31 GHz	-64.37 dBm			M5	1		2.398176 GHz	-54.97 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.42413 GHz	-9.42 dBm																																									
M2	1		2.4 GHz	-54.97 dBm																																									
M3	1		2.39 GHz	-60.98 dBm																																									
M4	1		2.31 GHz	-64.37 dBm																																									
M5	1		2.398176 GHz	-54.97 dBm																																									
CH09	<p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.455471 GHz</td> <td>-1.08 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>2.4835 GHz</td> <td>-42.23 dBm</td> <td></td> <td></td> </tr> <tr> <td>M3</td> <td>1</td> <td></td> <td>2.5 GHz</td> <td>-64.91 dBm</td> <td></td> <td></td> </tr> <tr> <td>M4</td> <td>1</td> <td></td> <td>2.483544 GHz</td> <td>-42.23 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 10.JUL.2020 09:30:46</p>			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.455471 GHz	-1.08 dBm			M2	1		2.4835 GHz	-42.23 dBm			M3	1		2.5 GHz	-64.91 dBm			M4	1		2.483544 GHz	-42.23 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.455471 GHz	-1.08 dBm																																									
M2	1		2.4835 GHz	-42.23 dBm																																									
M3	1		2.5 GHz	-64.91 dBm																																									
M4	1		2.483544 GHz	-42.23 dBm																																									

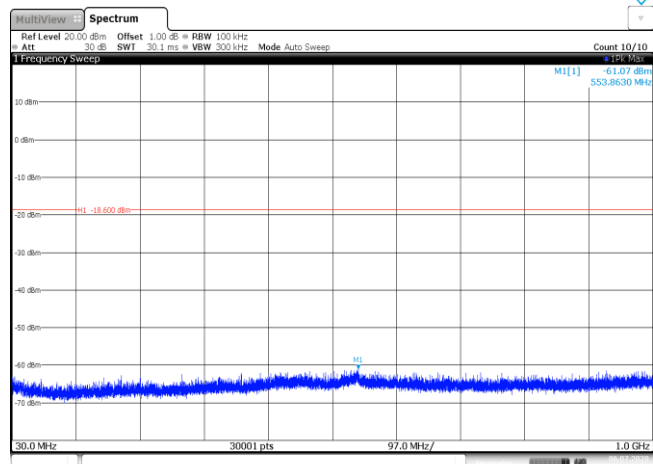
Test Item:	SE	Type:	802.11b
<p>CH01 Reference level</p>		 <p>CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <p>Date: 6.JUL.2020 15:30:34</p>	
<p>CH01 30MHz~1000MHz</p>		 <p>30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz</p> <p>Date: 6.JUL.2020 15:30:50</p>	
<p>CH01 1GHz~26GHz</p>		 <p>1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz</p> <p>Date: 6.JUL.2020 15:31:07</p>	

CH06
Reference level



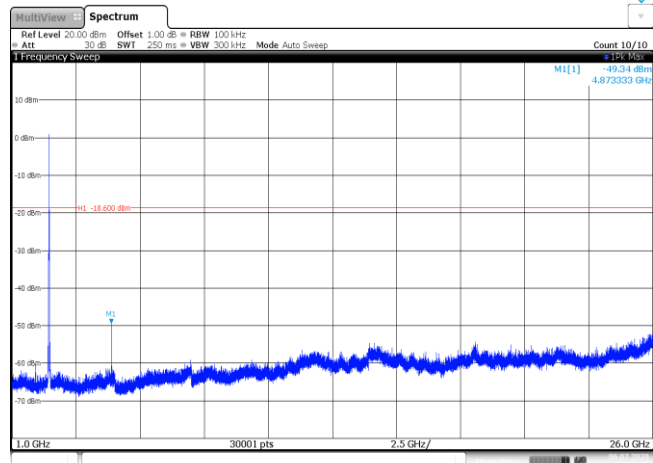
Date: 6.JUL.2020 15:34:34

CH06
30MHz~1000MHz



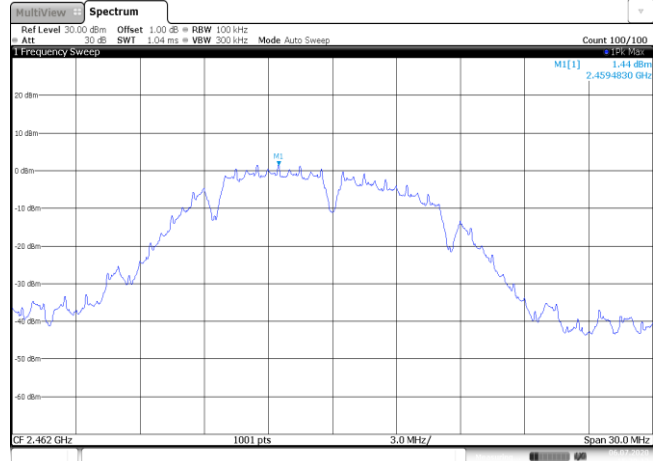
Date: 6.JUL.2020 15:34:50

CH06
1GHz~26GHz

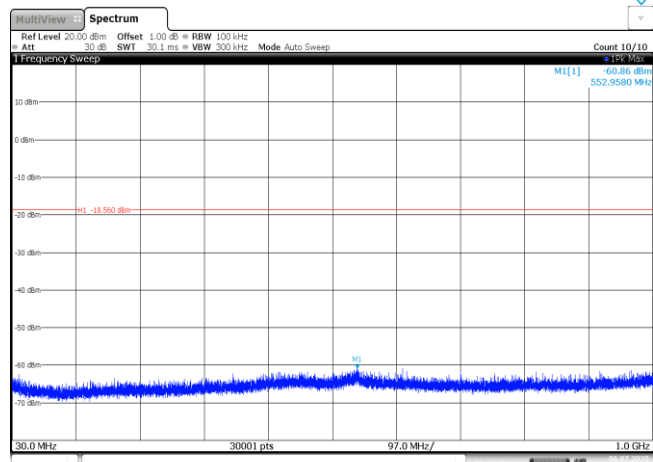


Date: 6.JUL.2020 15:35:06

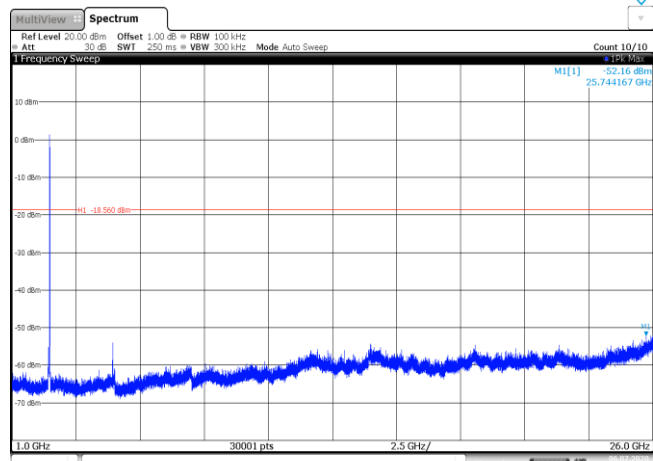
CH11
Reference level

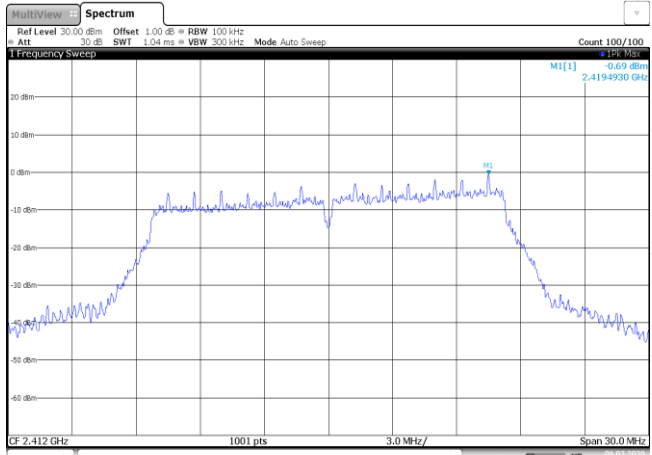
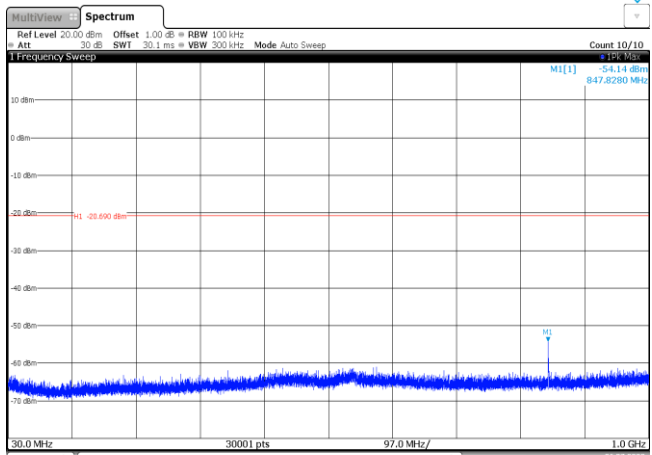
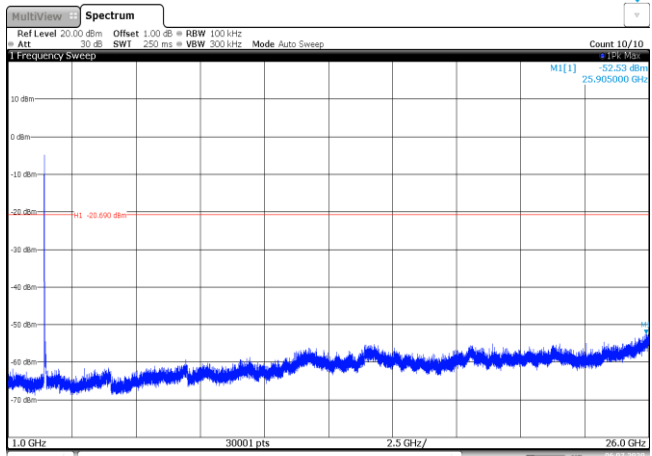


CH11
30MHz~1000MHz

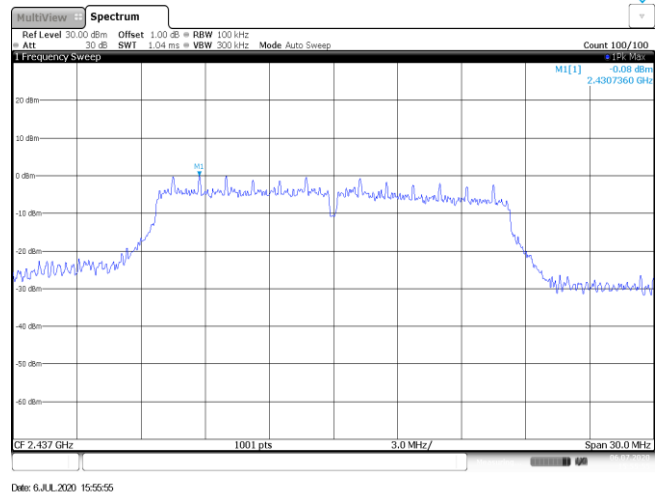


CH11
1GHz~26GHz

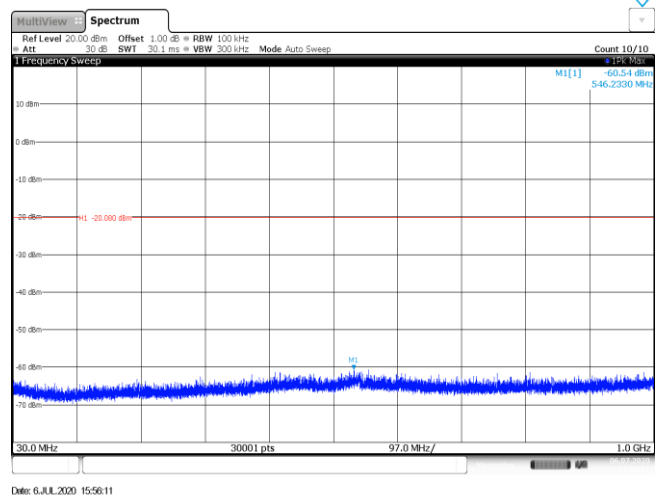


Test Item:	SE	Type:	802.11g
<p>CH01 Reference level</p>			 <p>Date: 6.JUL.2020 15:53:45</p>
<p>CH01 30MHz~1000MHz</p>			 <p>Date: 6.JUL.2020 15:54:01</p>
<p>CH01 1GHz~26GHz</p>			 <p>Date: 6.JUL.2020 15:54:17</p>

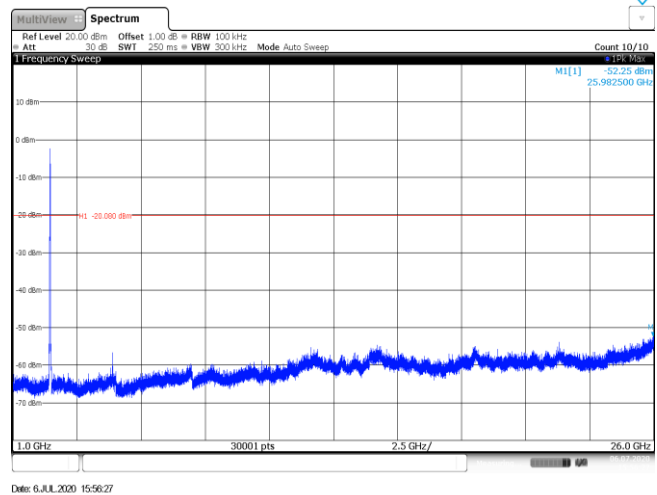
CH06
Reference level



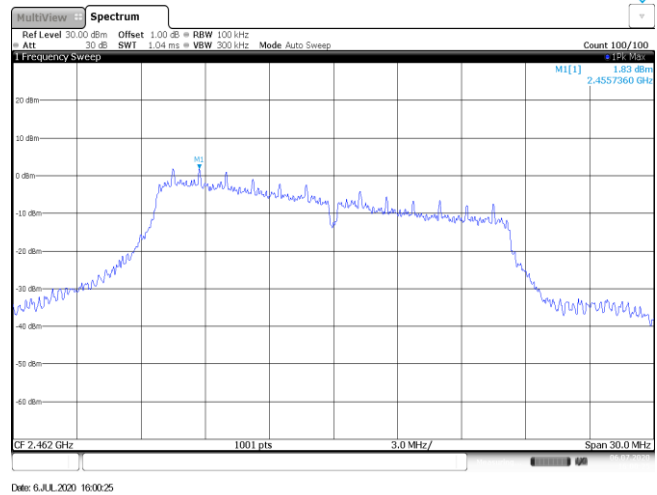
CH06
30MHz~1000MHz



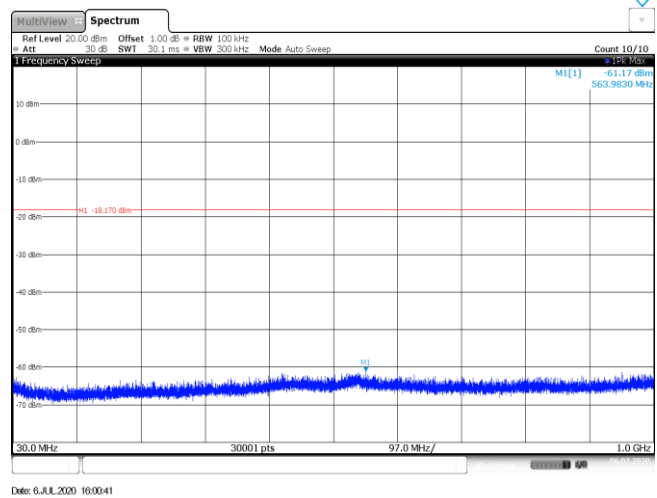
CH06
1GHz~26GHz



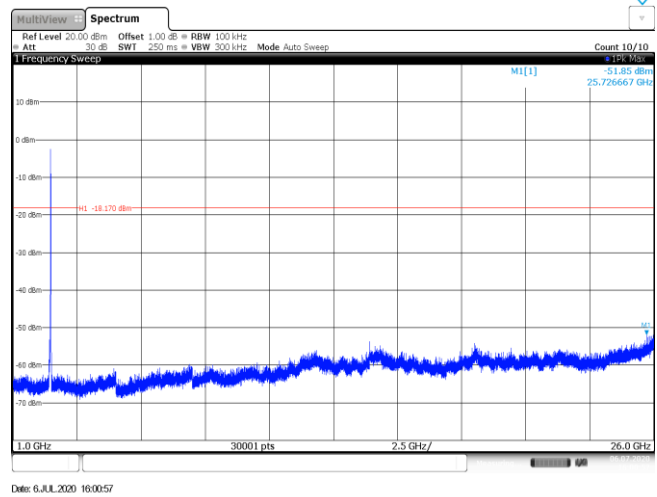
CH11
Reference level

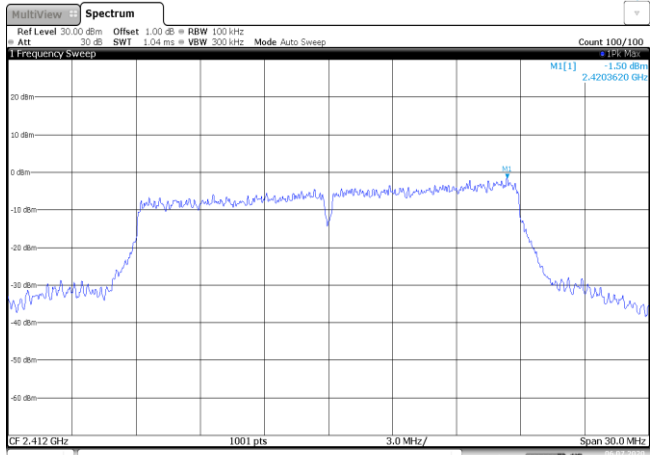
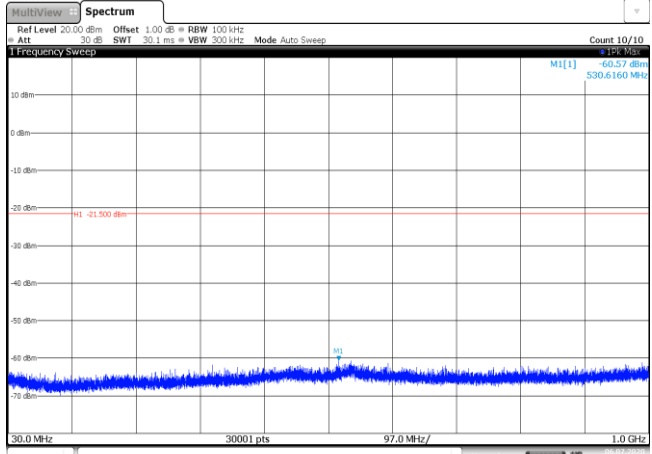
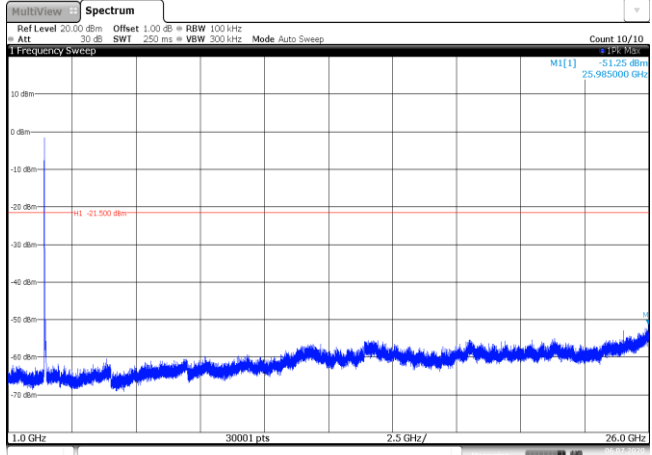


CH11
30MHz~1000MHz

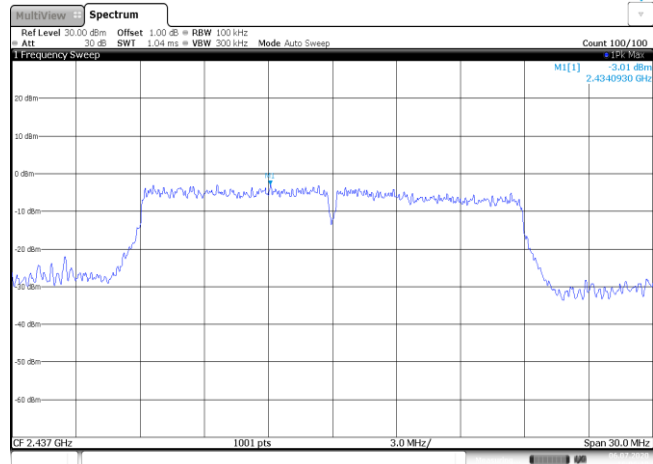


CH11
1GHz~26GHz

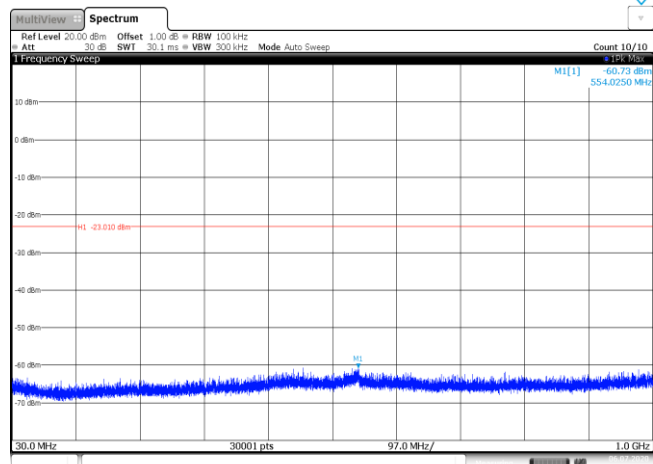


Test Item:	SE	Type:	802.11n(HT20)
<p>CH01 Reference level</p>			
<p>CH01 30MHz~1000MHz</p>			
<p>CH01 1GHz~26GHz</p>			

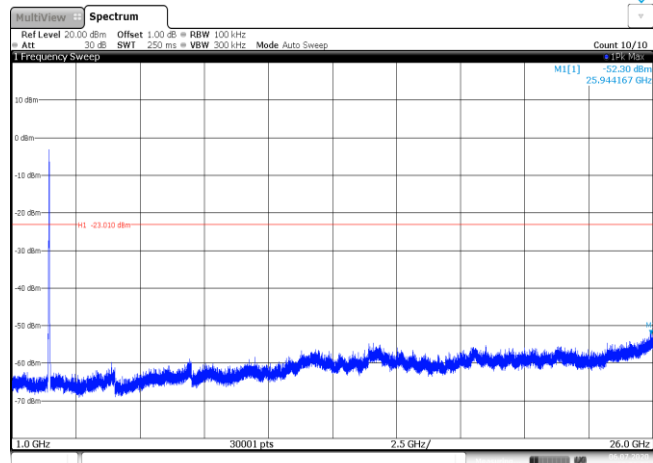
CH06
Reference level



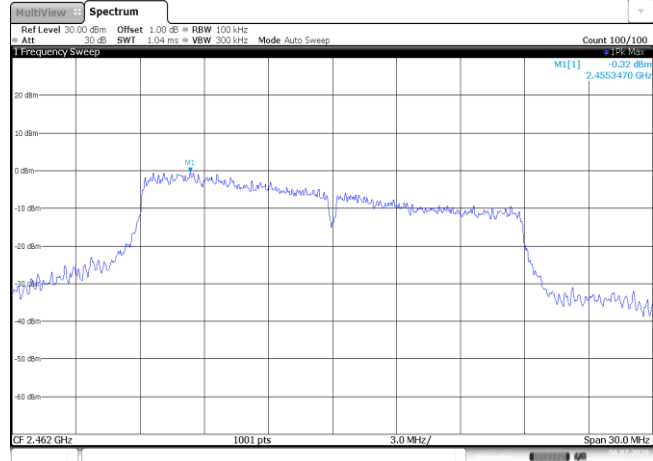
CH06
30MHz~1000MHz



CH06
1GHz~26GHz

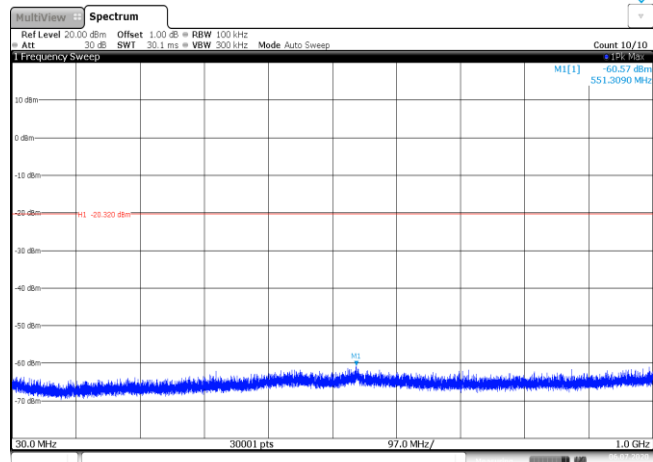


CH11
Reference level



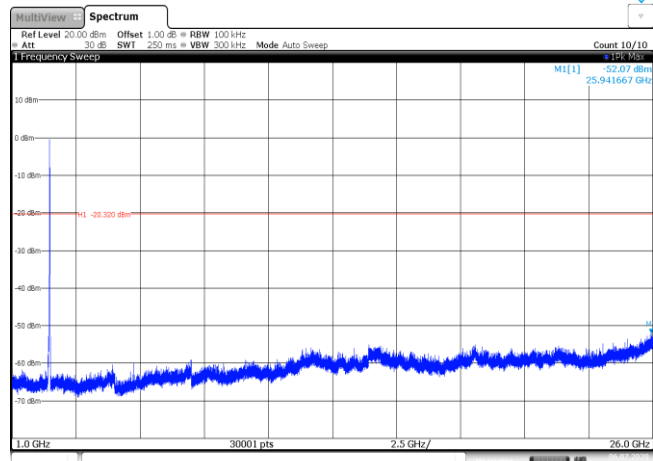
Date: 6.JUL.2020 16:08:32

CH11
30MHz~1000MHz

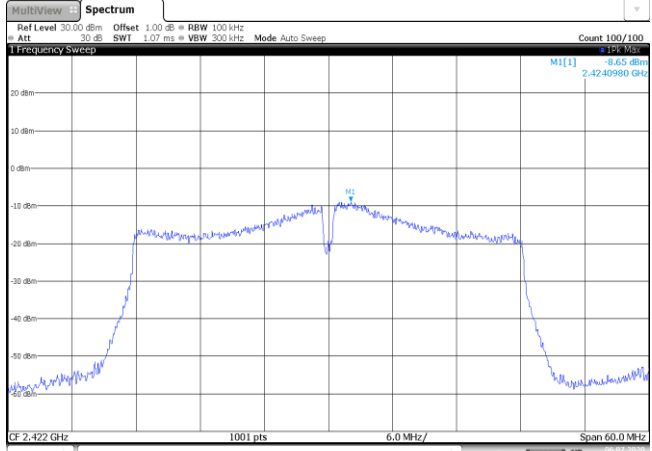
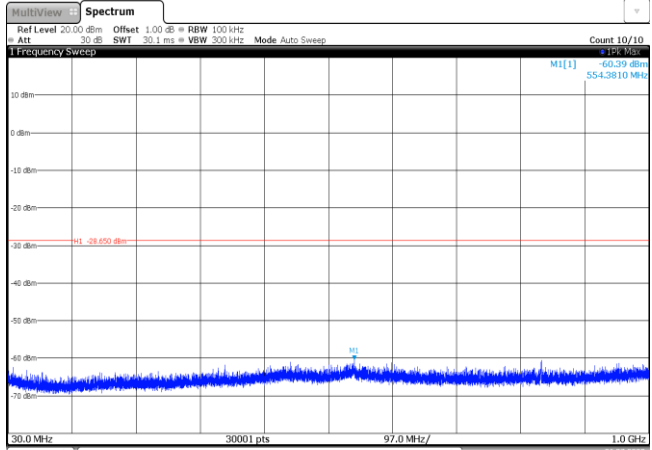
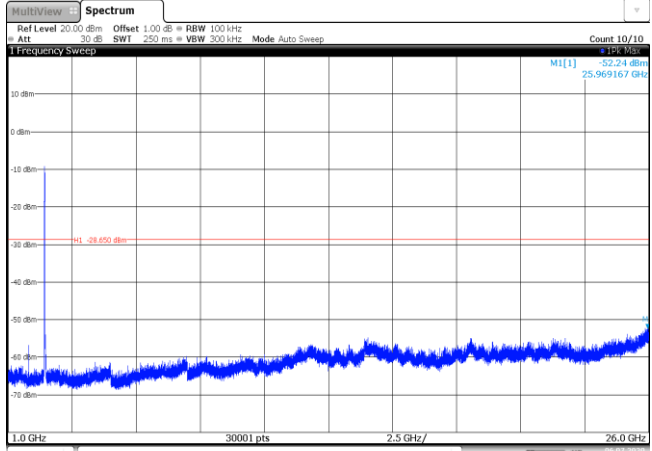


Date: 6.JUL.2020 16:08:48

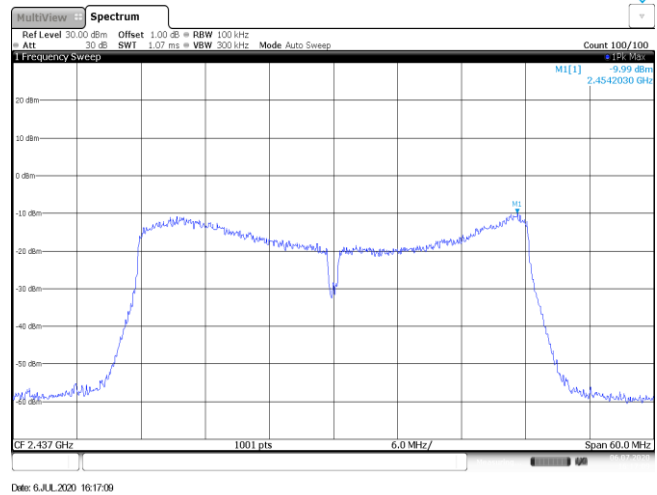
CH11
1GHz~26GHz



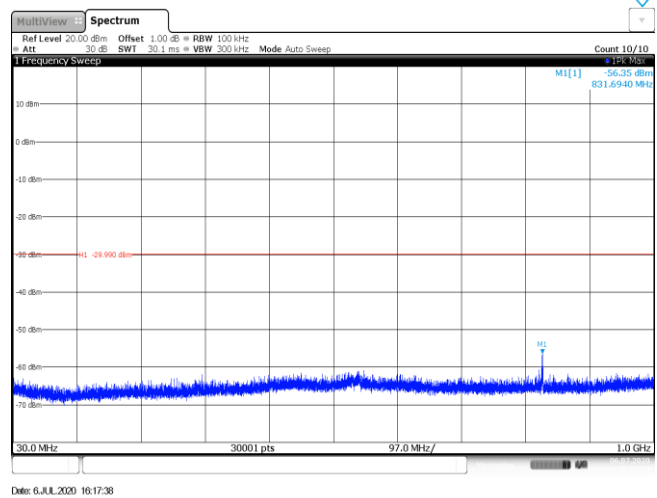
Date: 6.JUL.2020 16:08:04

Test Item:	SE	Type:	802.11n(HT40)
<p>CH03 Reference level</p>			 <p>MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.07 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] -24.63 dBm 2.424980 GHz CF 2.422 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 6.JUL.2020 16:13:52</p>
<p>CH03 30MHz~1000MHz</p>			 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -65.29 dBm 554.3810 MHz M1 -29.650 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 6.JUL.2020 16:14:09</p>
<p>CH03 1GHz~26GHz</p>			 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -52.24 dBm 25.969167 GHz M1 -29.650 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 6.JUL.2020 16:14:25</p>

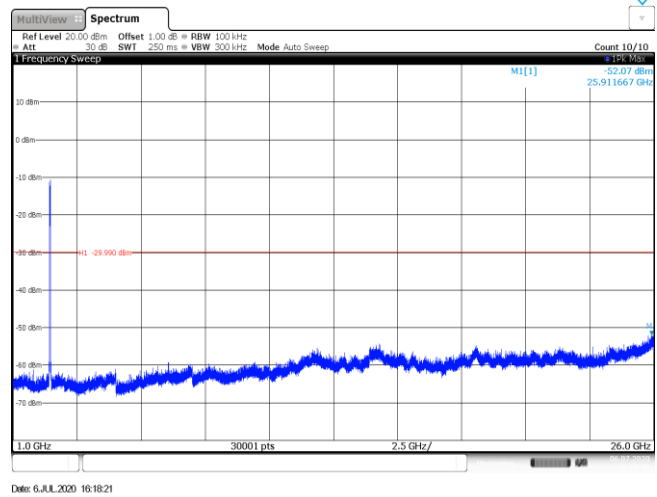
CH06
Reference level



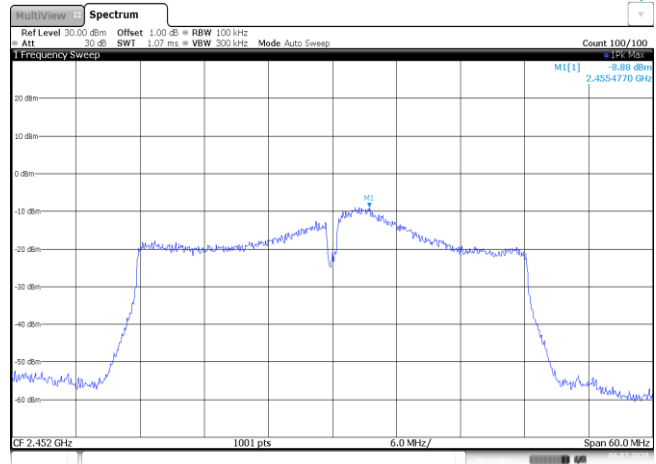
CH06
30MHz~1000MHz



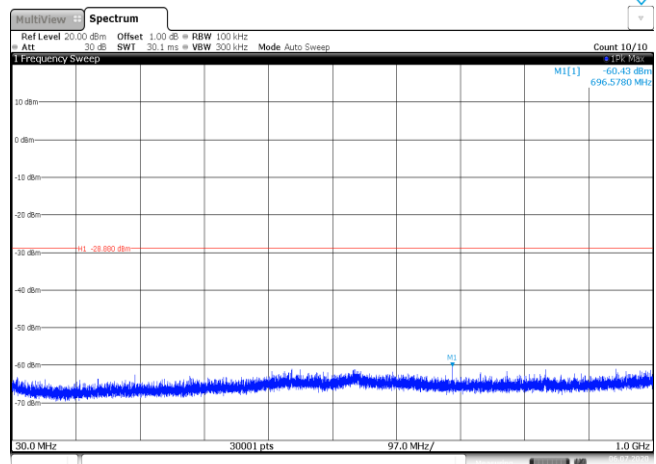
CH06
1GHz~26GHz



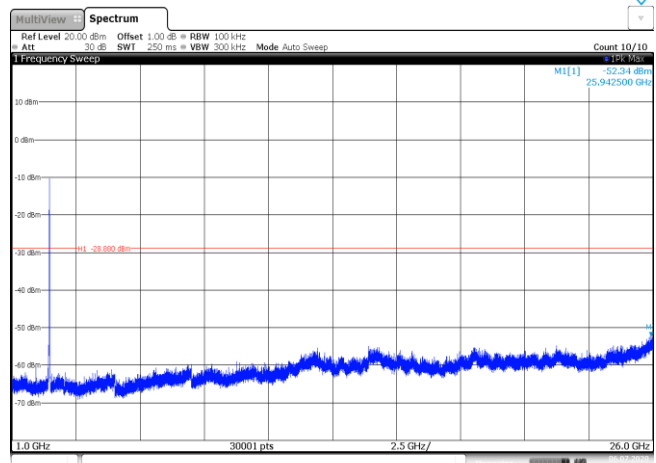
CH09
Reference level



CH09
30MHz~1000MHz



CH09
1GHz~26GHz



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