

APPENDIX REPORT

Project No.	SHT2010025501EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT20100255004	Model No.	U50
Start test date	2020/10/19	Finish date	2020/10/19
Temperature	25°C	Humidity	50%
Test Engineer	Hailey Chen	Auditor	Xiaodong Zhe

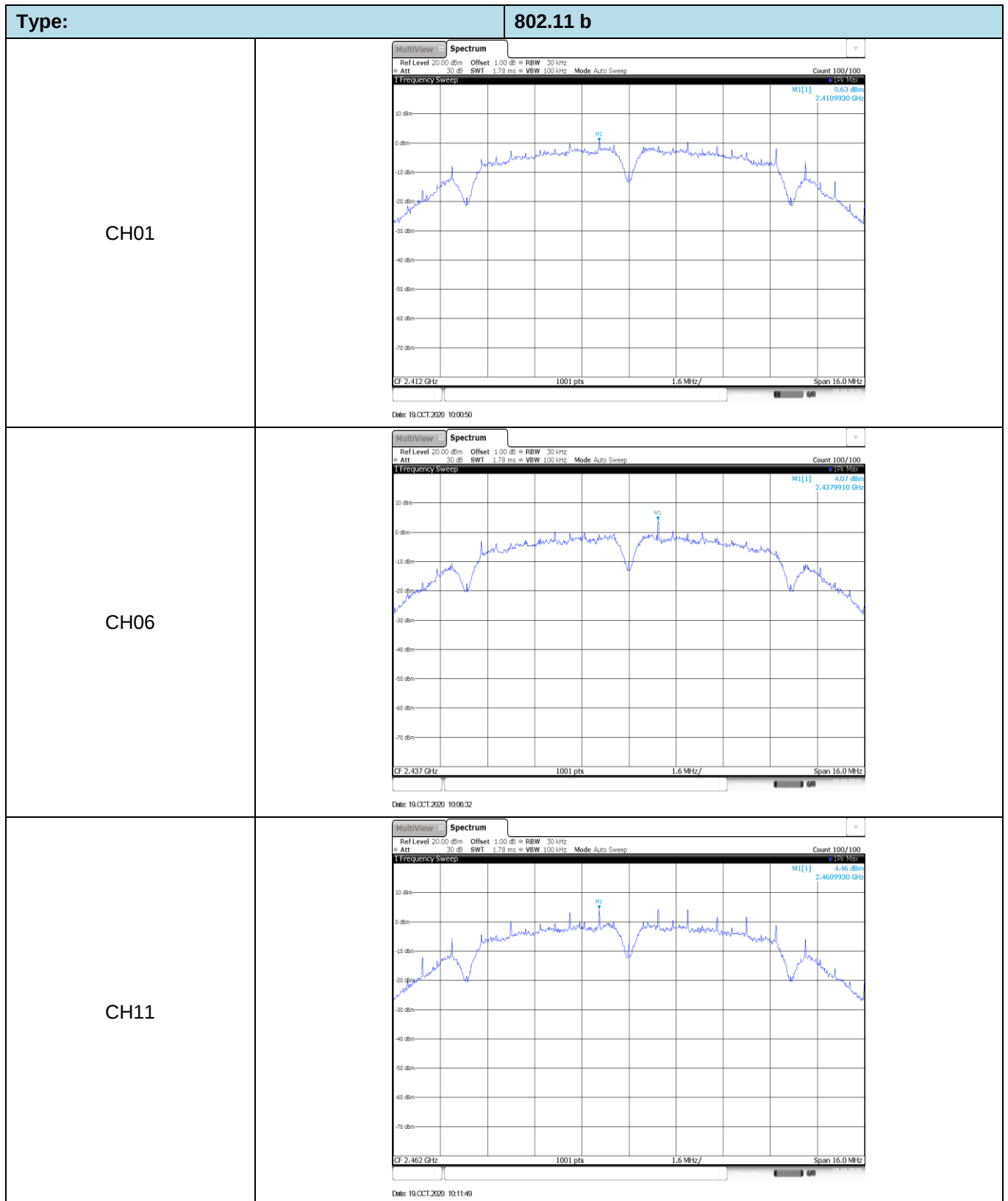
Appendix clause	Test item	Result
A	Conducted Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty Cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

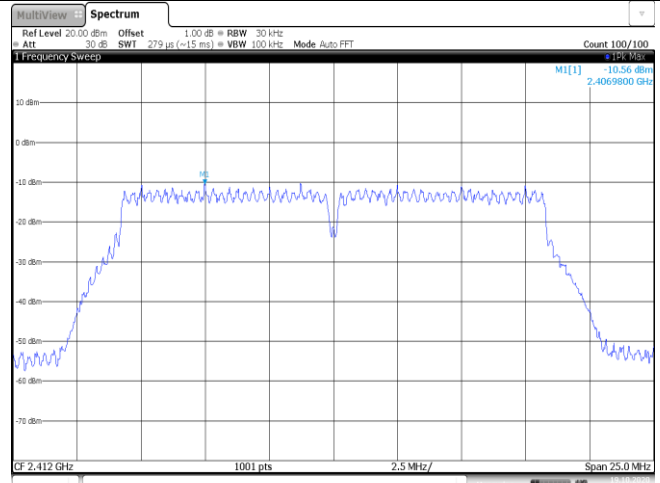
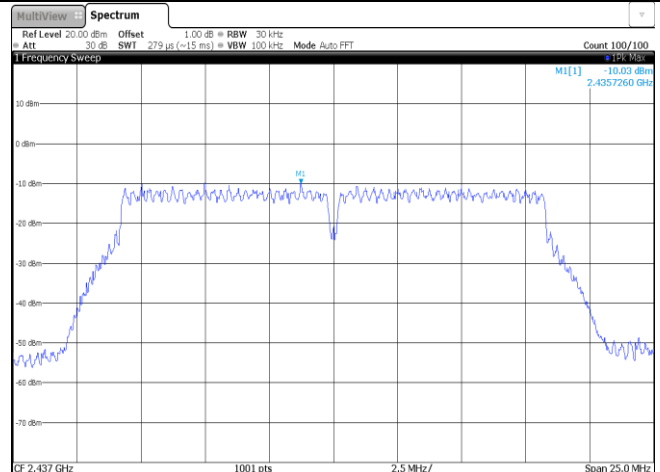
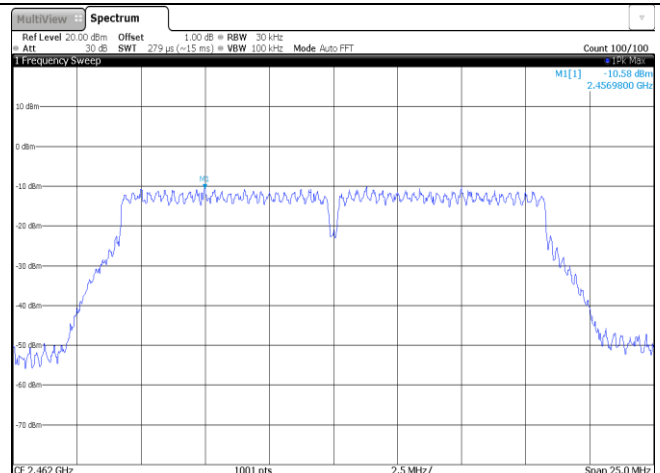
Appendix A: Conducted Peak Output Power

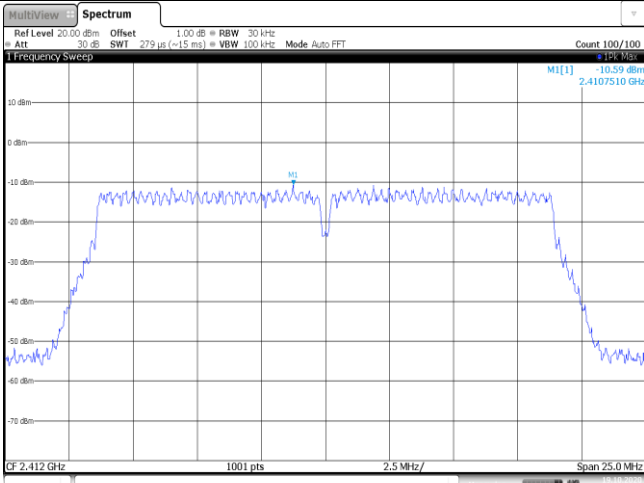
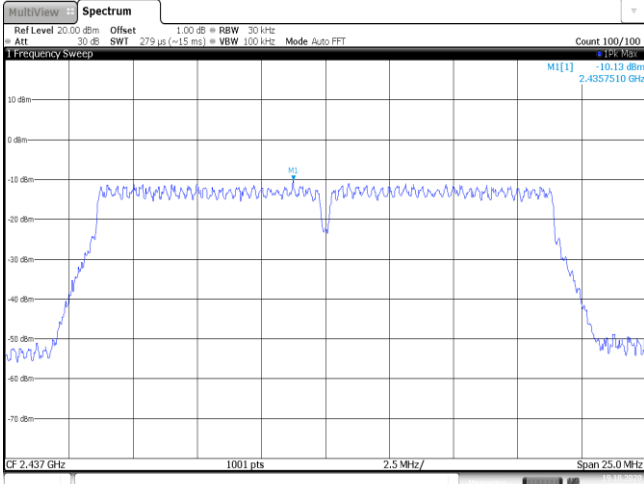
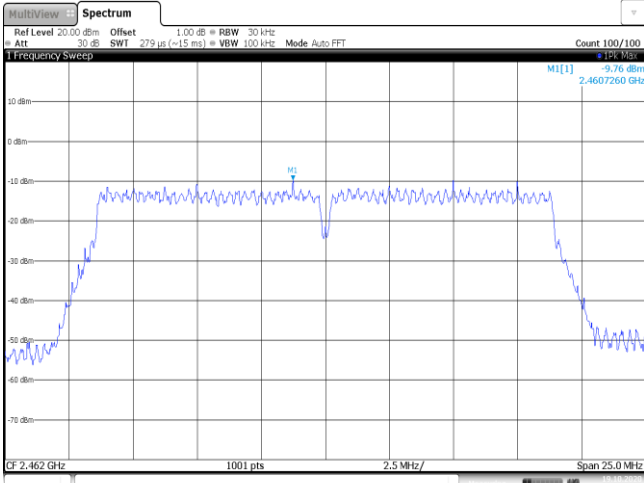
Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
802.11b	01	15.42	12.89	≤ 30.00	Pass
	06	16.12	13.66		
	11	15.79	13.50		
802.11g	01	15.08	12.34	≤ 30.00	Pass
	06	15.53	13.17		
	11	15.29	12.94		
802.11n (HT20)	01	15.10	12.53	≤ 30.00	Pass
	06	15.61	13.09		
	11	15.33	12.84		
802.11n(HT40)	03	15.29	12.77	≤ 30.00	Pass
	06	15.36	13.06		
	09	15.44	12.97		

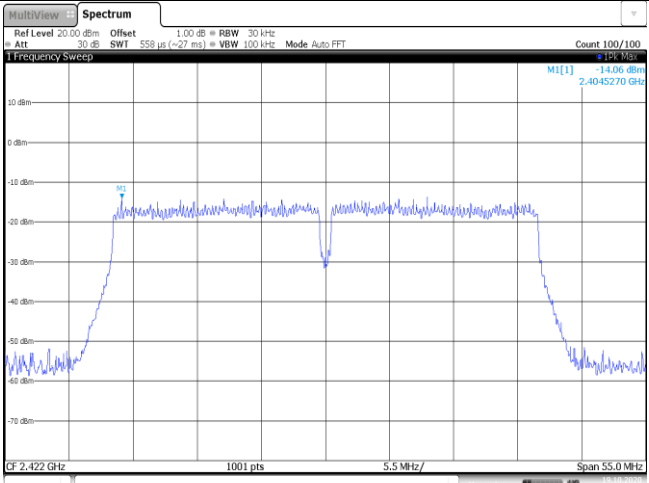
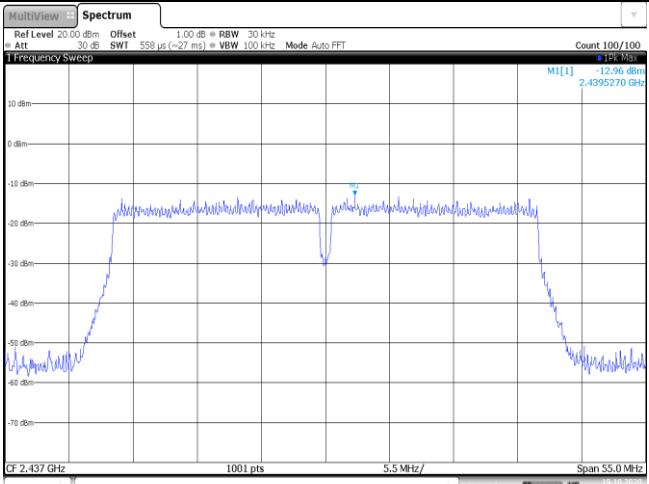
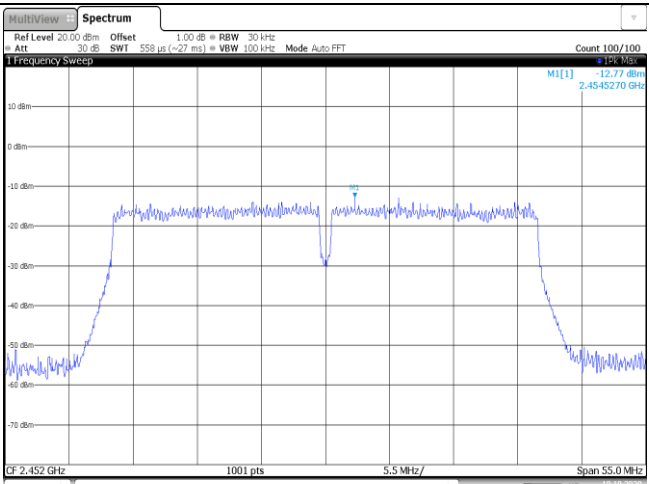
Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
802.11b	01	0.63	≤8.00	Pass
	06	4.07		
	11	4.46		
802.11g	01	-10.56	≤8.00	Pass
	06	-10.03		
	11	-10.58		
802.11n(HT20)	01	-10.59	≤8.00	Pass
	06	-10.13		
	11	-9.76		
802.11n(HT40)	03	-14.06	≤8.00	Pass
	06	-12.96		
	09	-12.77		



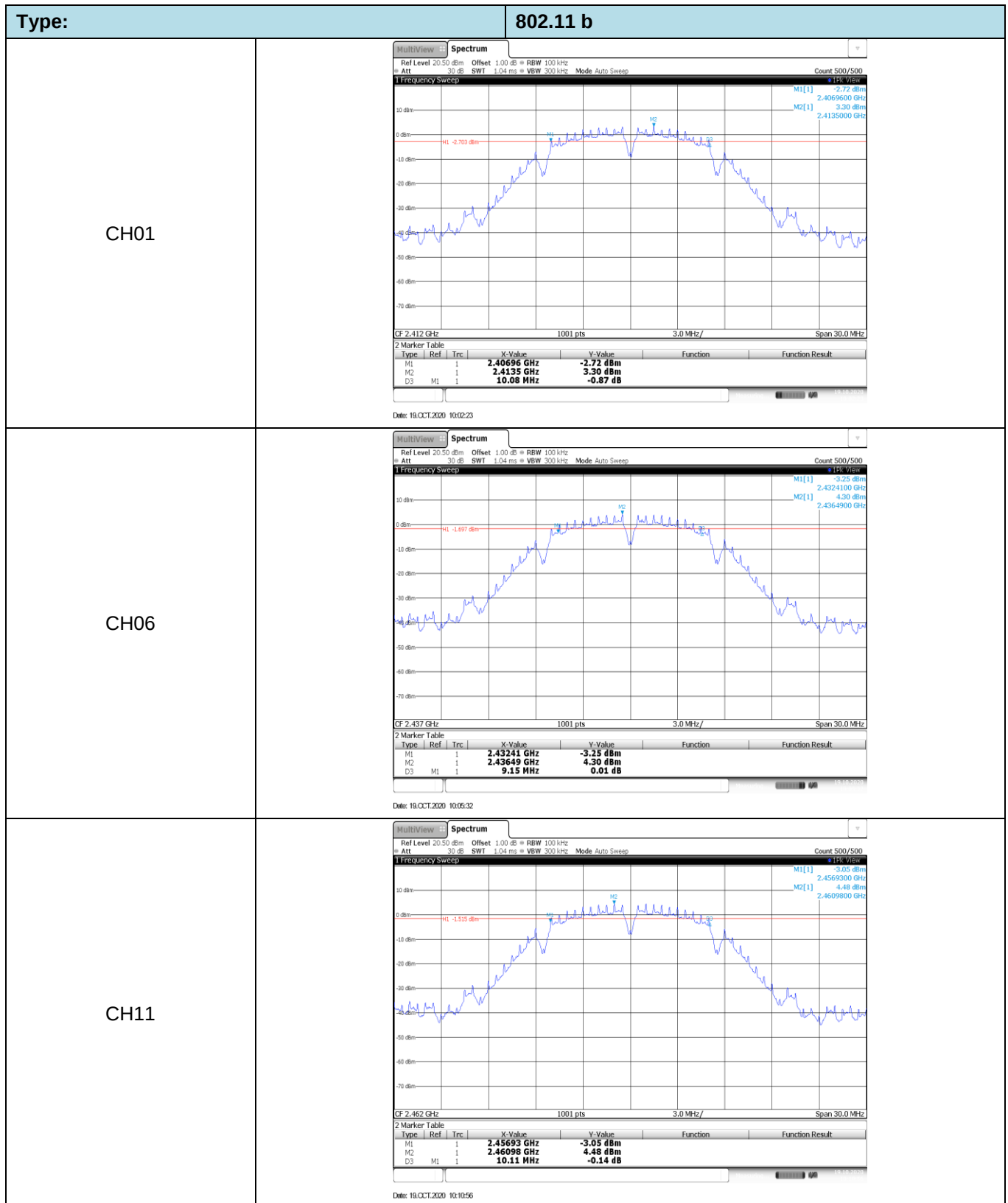
Type:	802.11 g
CH01	 1 Frequency Sweep Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 μs (~1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 M1[1] -10.56 dBm 2.4069800 GHz CF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 19.OCT.2000 10:18:49
CH06	 1 Frequency Sweep Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 μs (~1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 M1[1] -10.03 dBm 2.4357260 GHz CF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 19.OCT.2000 10:22:57
CH11	 1 Frequency Sweep Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 μs (~1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 M1[1] -10.58 dBm 2.4569800 GHz CF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 19.OCT.2000 10:26:47

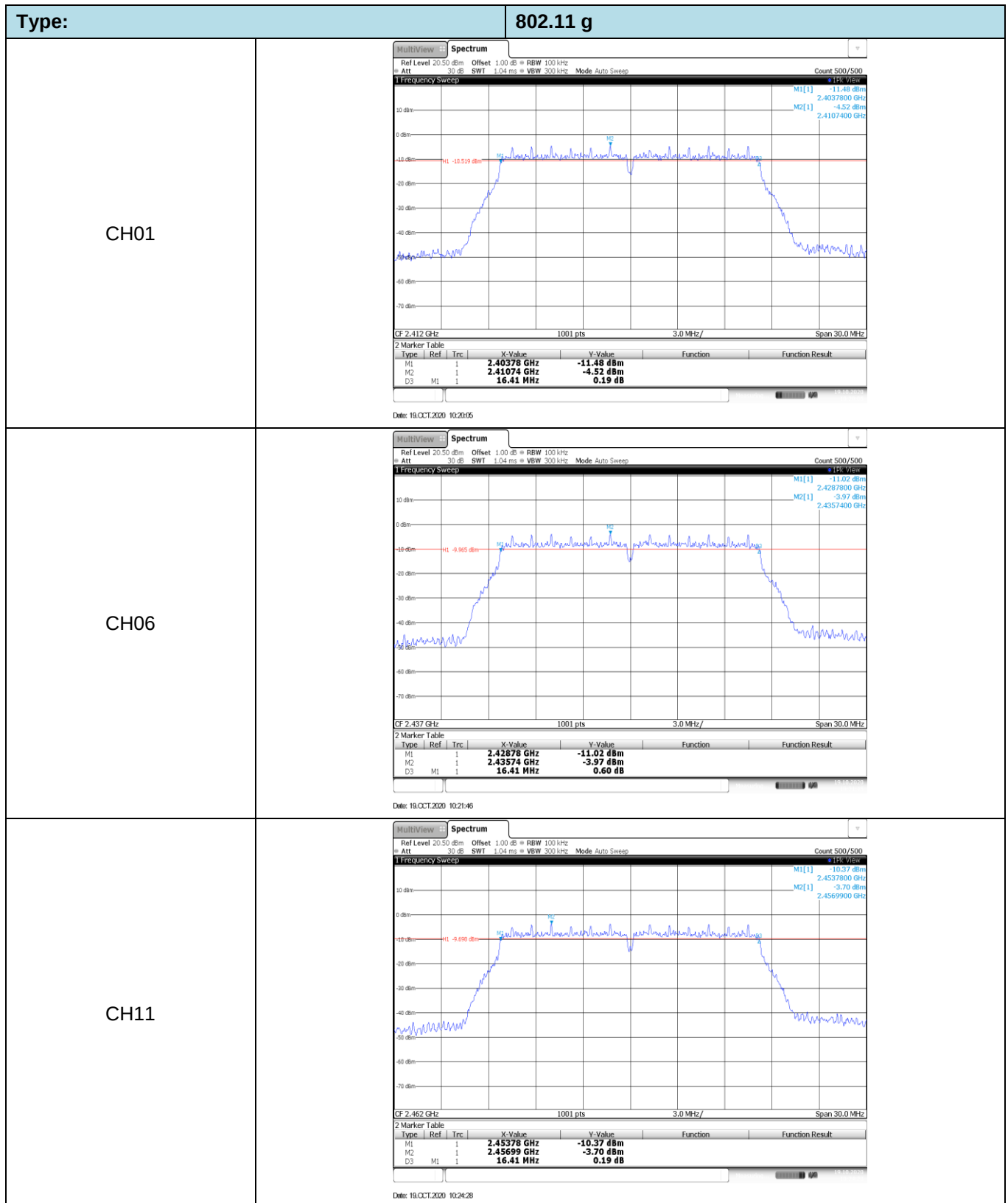
Type:	802.11n(HT20)
CH01	 Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 μs (~1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -10.59 dBm 2.4107510 GHz Date: 19.OCT.2009 10:31:39
CH06	 Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 μs (~1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -10.13 dBm 2.4357510 GHz Date: 19.OCT.2009 10:35:22
CH11	 Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 279 μs (~1.5 ms) VBW 100 kHz Mode Auto FFT Count 100/100 MI[1] -9.76 dBm 2.4607260 GHz Date: 19.OCT.2009 10:38:56

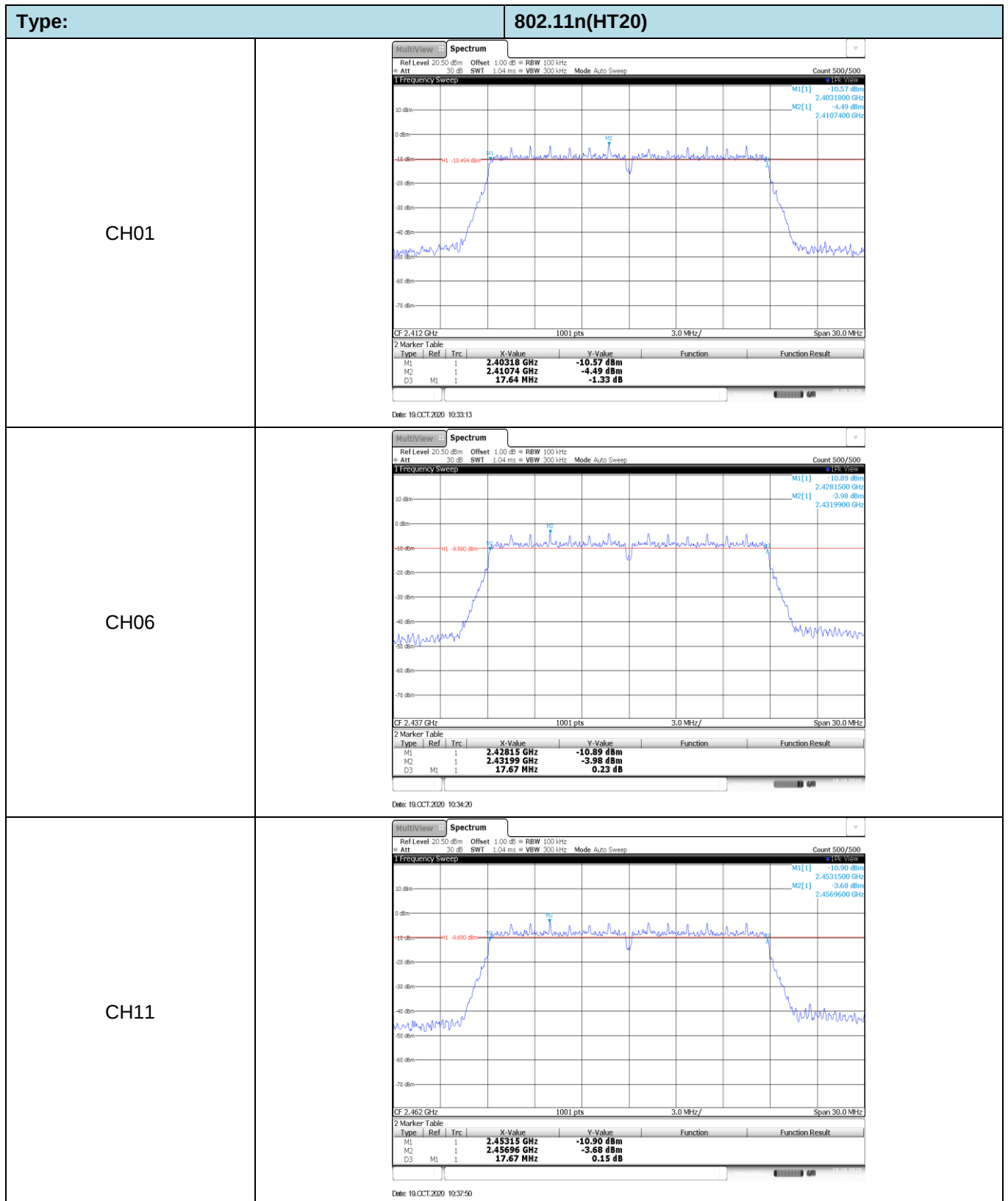
Type: 802.11n(HT40)	
CH03	 1 Frequency Sweep Ref Level 20.00 dBm Offset 1.00 dB BW 30 kHz Att 30 dB SWI 558 us (~27 ms) VBW 100 kHz Mode Auto FFT Count 100/100 M1[1] -14.06 dBm 2.4045270 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 2.422 GHz 1001 pts 5.5 MHz/ Span 55.0 MHz Date: 19.OCT.2009 10:42:21
CH06	 1 Frequency Sweep 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 M1[1] -12.96 dBm 2.4395270 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: 19.OCT.2009 10:46:53
CH09	 1 Frequency Sweep 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 M1[1] -12.77 dBm 2.4545270 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: 19.OCT.2009 10:50:45

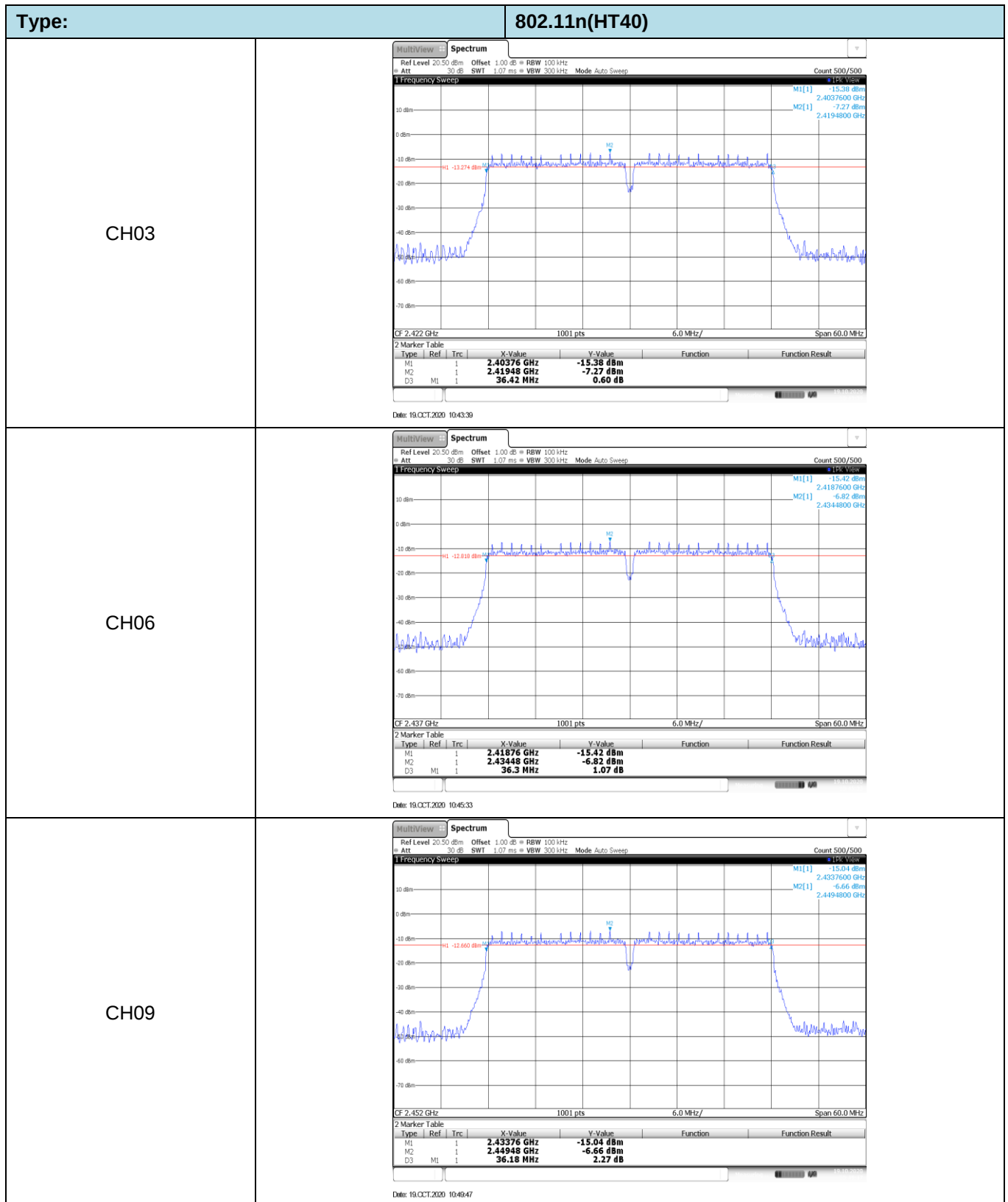
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	01	10.08	≥0.5	Pass
	06	9.15		
	11	10.11		
802.11g	01	16.41	≥0.5	Pass
	06	16.41		
	11	16.41		
802.11n(HT20)	01	17.64	≥0.5	Pass
	06	17.67		
	11	17.67		
802.11n(HT40)	03	36.42	≥0.5	Pass
	06	36.30		
	09	36.18		



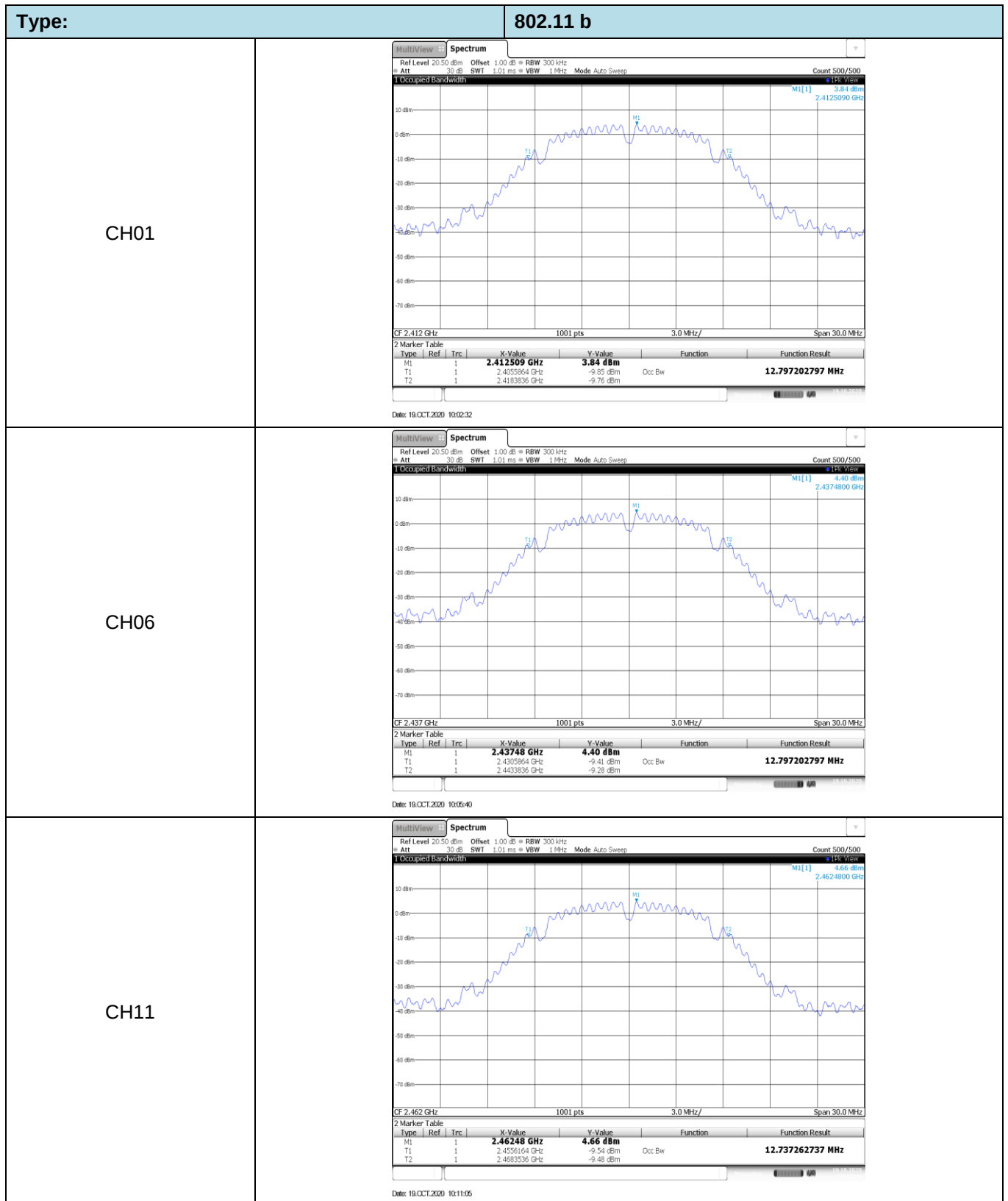


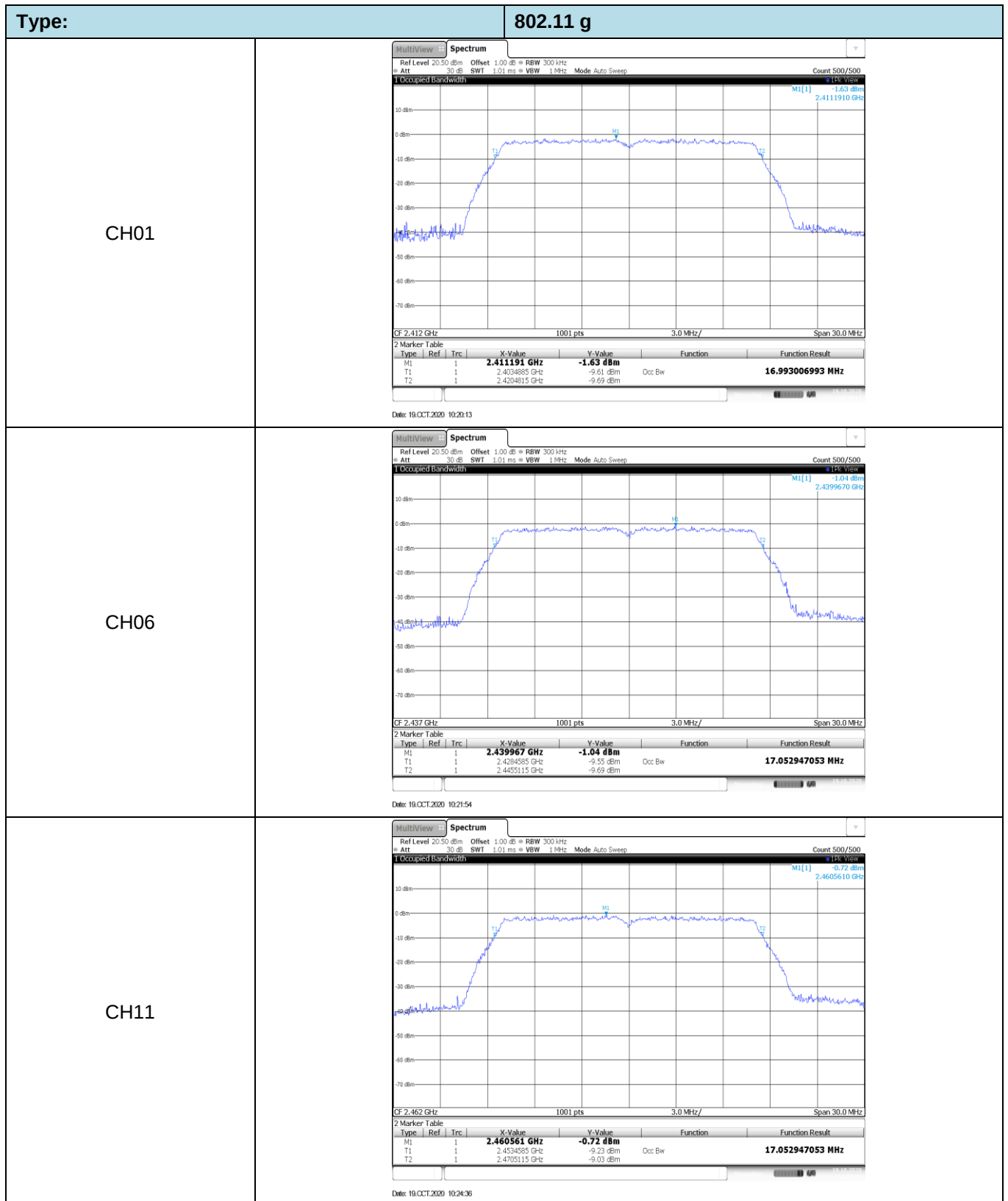


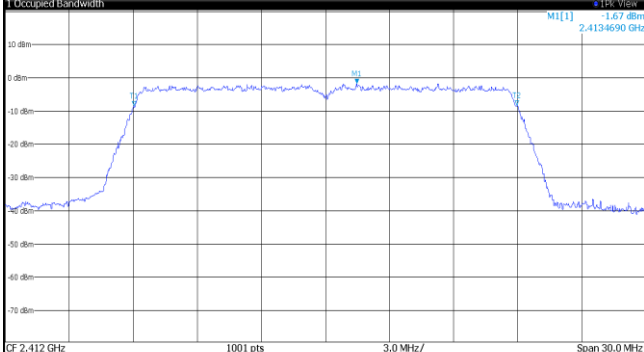
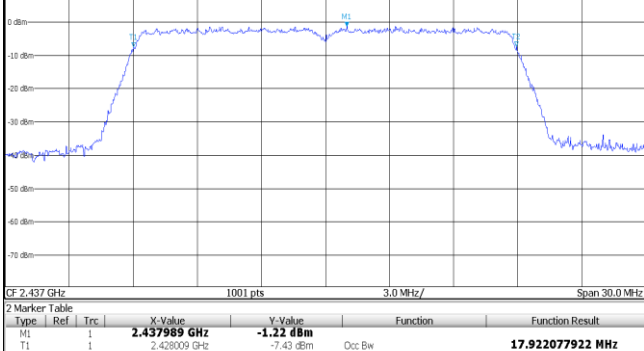
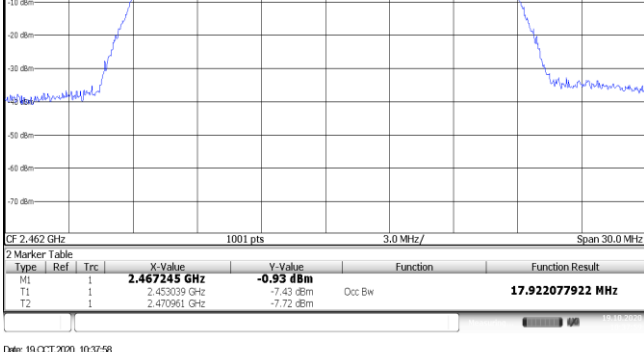


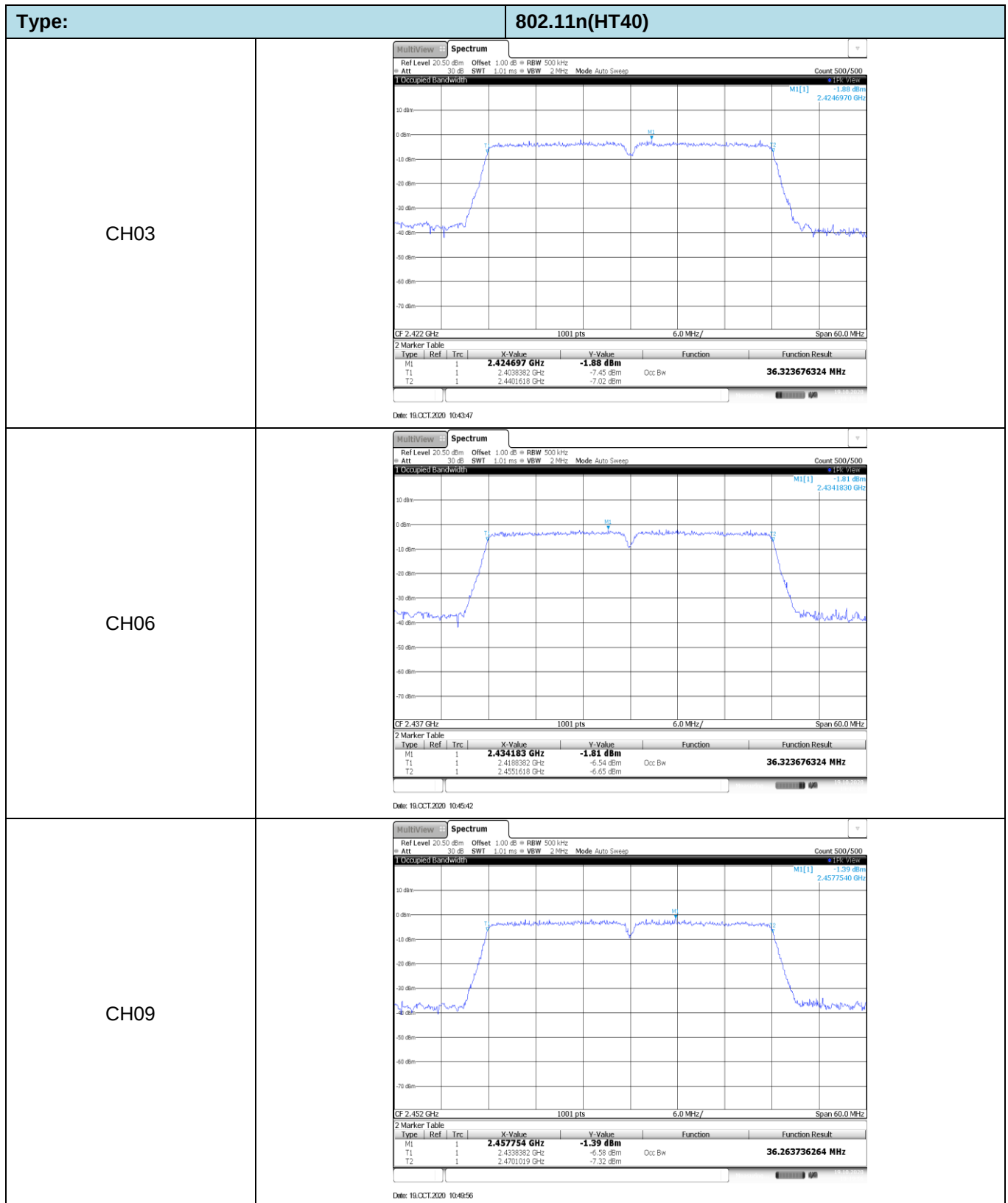
Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	12.80	-	Pass
	06	12.80		
	11	12.74		
802.11g	01	16.99	-	Pass
	06	17.05		
	11	17.05		
802.11n(HT20)	01	17.92	-	Pass
	06	17.92		
	11	17.92		
802.11n(HT40)	03	36.32	-	Pass
	06	36.32		
	09	36.26		





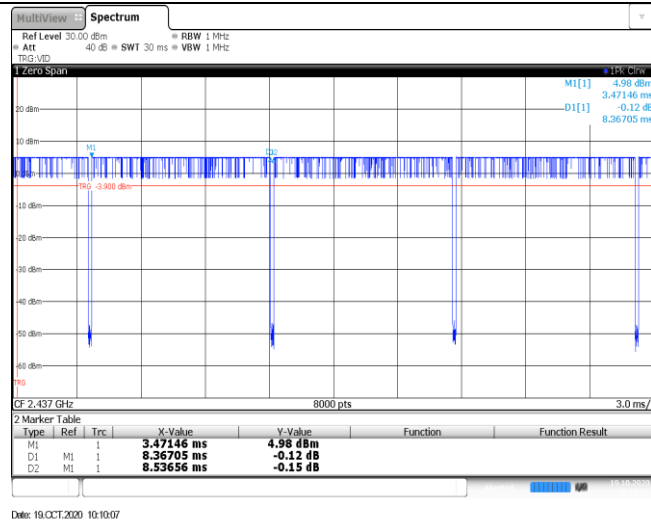
Type:		802.11n(HT20)																												
CH01	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Occupied Bandwidth MI[1] -1.67 dBm 2.413469 GHz  CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz 2 Marker Table <table><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><tr><td>M1</td><td>1</td><td></td><td>2.413469 GHz</td><td>-1.67 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>2.403039 GHz</td><td>-8.43 dBm</td><td>Occ Bw</td><td>17.922077922 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>2.420961 GHz</td><td>-8.09 dBm</td><td></td><td></td></tr></table> Date: 19.OCT.2020 10:33:22		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.413469 GHz	-1.67 dBm			T1	1		2.403039 GHz	-8.43 dBm	Occ Bw	17.922077922 MHz	T2	1		2.420961 GHz	-8.09 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		2.413469 GHz	-1.67 dBm																										
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T2	1		2.420961 GHz	-8.09 dBm																										
CH06	MultiView Spectrum 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 1 Occupied Bandwidth MI[1] -1.22 dBm 2.437989 GHz  CF 2.437 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz 2 Marker Table <table><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><tr><td>M1</td><td>1</td><td></td><td>2.437989 GHz</td><td>-1.22 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>2.428009 GHz</td><td>-7.43 dBm</td><td>Occ Bw</td><td>17.922077922 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>2.449911 GHz</td><td>-7.26 dBm</td><td></td><td></td></tr></table> Date: 19.OCT.2020 10:34:28		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.437989 GHz	-1.22 dBm			T1	1		2.428009 GHz	-7.43 dBm	Occ Bw	17.922077922 MHz	T2	1		2.449911 GHz	-7.26 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		2.437989 GHz	-1.22 dBm																										
T1	1		2.428009 GHz	-7.43 dBm	Occ Bw	17.922077922 MHz																								
T2	1		2.449911 GHz	-7.26 dBm																										
CH11	MultiView Spectrum 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 1 Occupied Bandwidth MI[1] -0.93 dBm 2.467245 GHz  CF 2.462 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz 2 Marker Table <table><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><tr><td>M1</td><td>1</td><td></td><td>2.467245 GHz</td><td>-0.93 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>2.453039 GHz</td><td>-7.43 dBm</td><td>Occ Bw</td><td>17.922077922 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>2.470961 GHz</td><td>-7.72 dBm</td><td></td><td></td></tr></table> Date: 19.OCT.2020 10:37:58		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.467245 GHz	-0.93 dBm			T1	1		2.453039 GHz	-7.43 dBm	Occ Bw	17.922077922 MHz	T2	1		2.470961 GHz	-7.72 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		2.467245 GHz	-0.93 dBm																										
T1	1		2.453039 GHz	-7.43 dBm	Occ Bw	17.922077922 MHz																								
T2	1		2.470961 GHz	-7.72 dBm																										



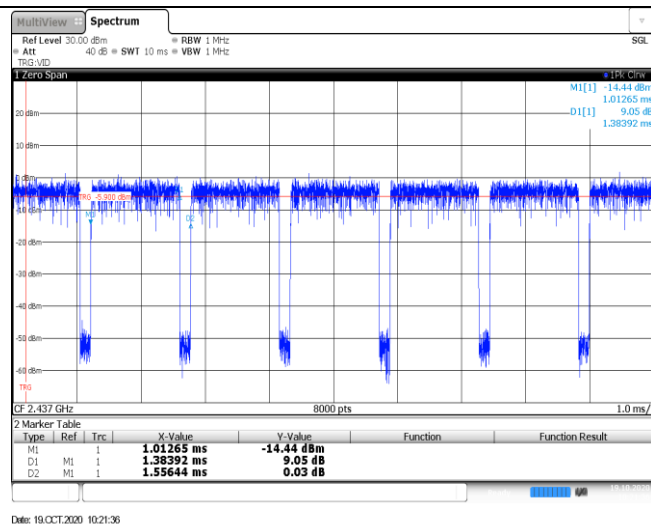
Appendix E: Duty Cycle

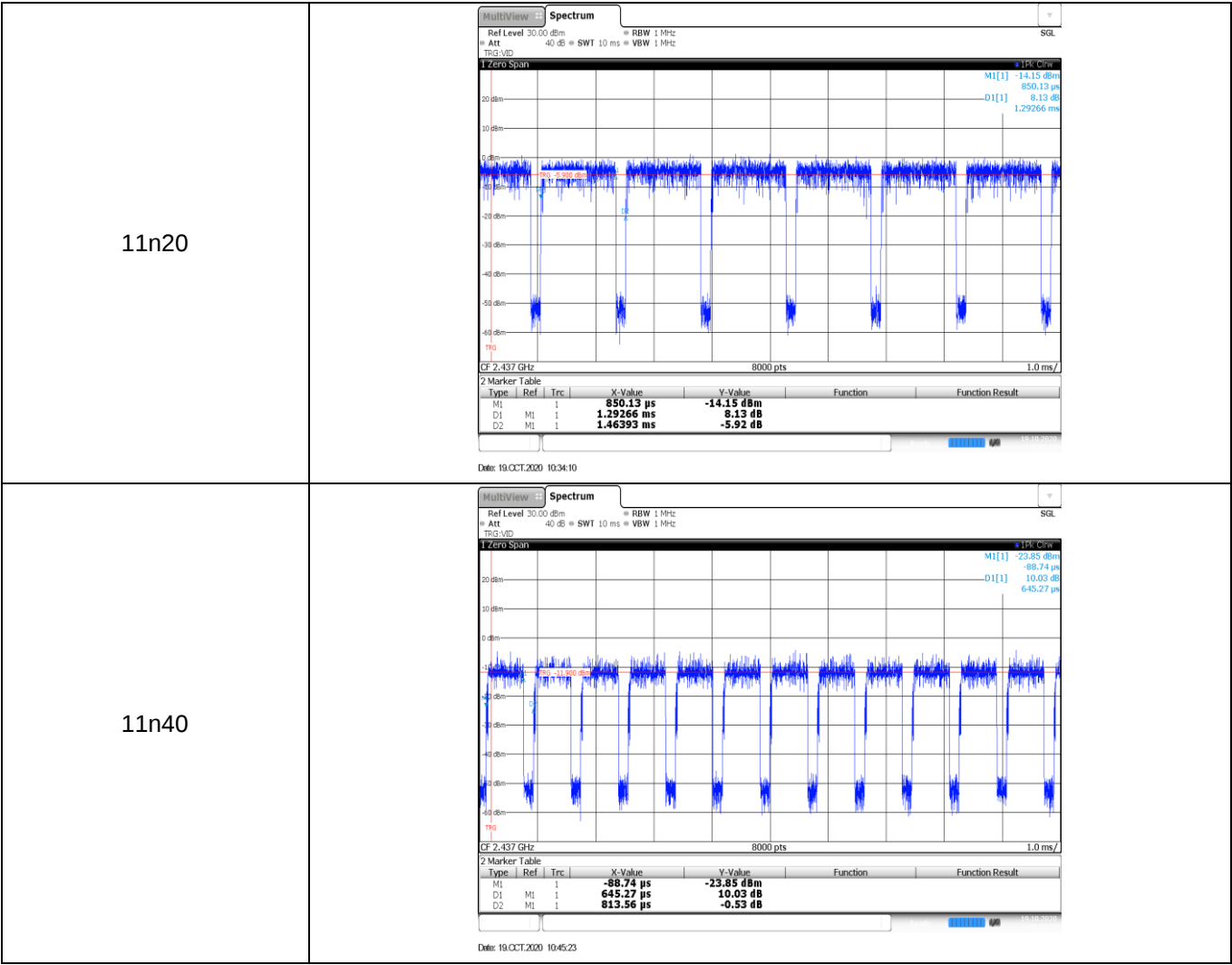
Modulation Type	Test Frequency (MHz)	T _{on time} for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on time} (kHz)
11b	2437	8.37	8.54	98.0%	0.1
11g	2437	1.38	1.56	88.5%	0.7
11n20	2437	1.29	1.46	88.4%	0.8
11n40	2437	0.65	0.81	80.2%	1.5

11b



11g





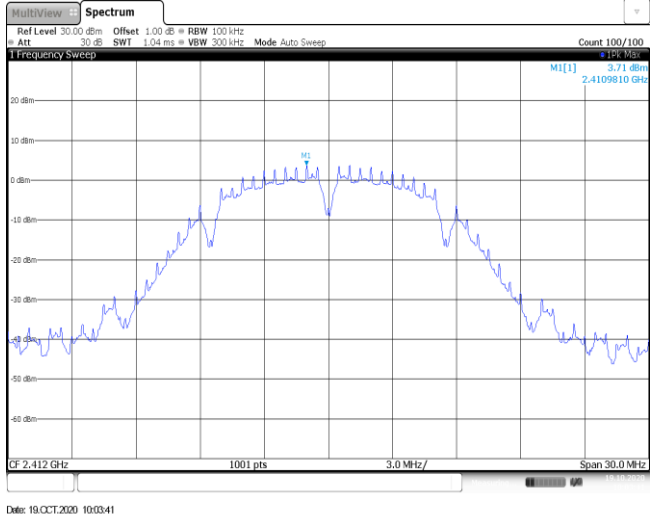
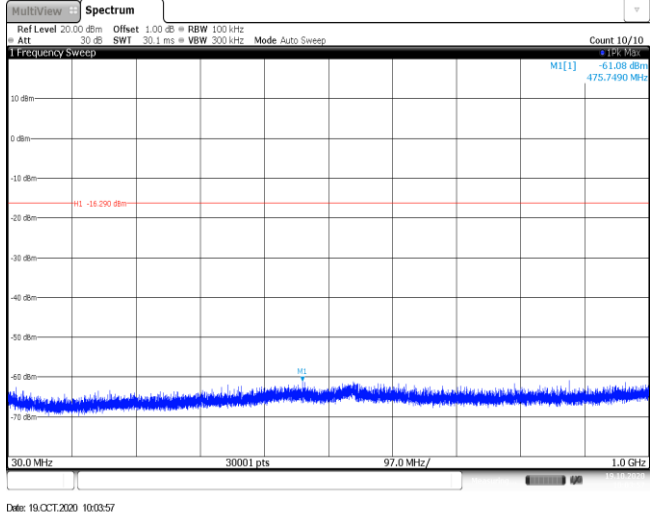
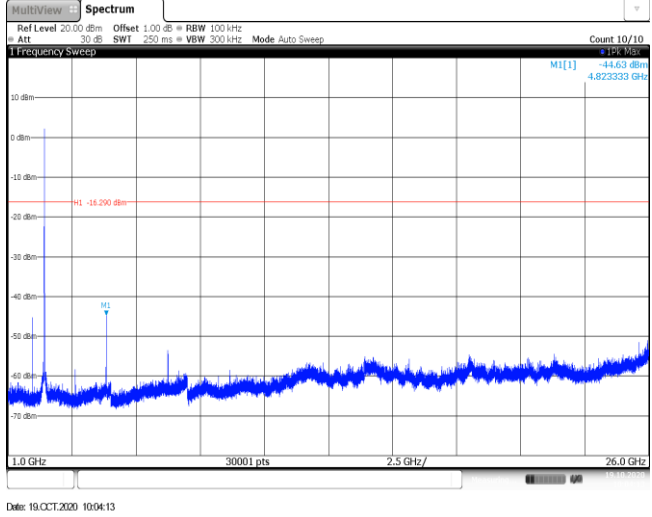
Appendix F: Band edge and Spurious Emissions (conducted)

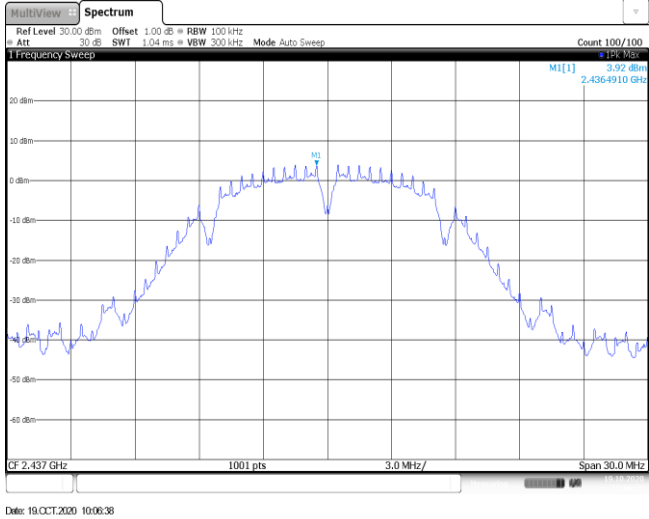
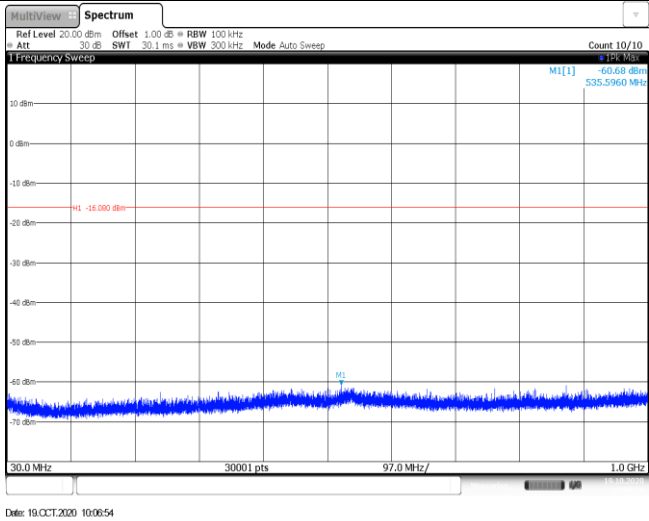
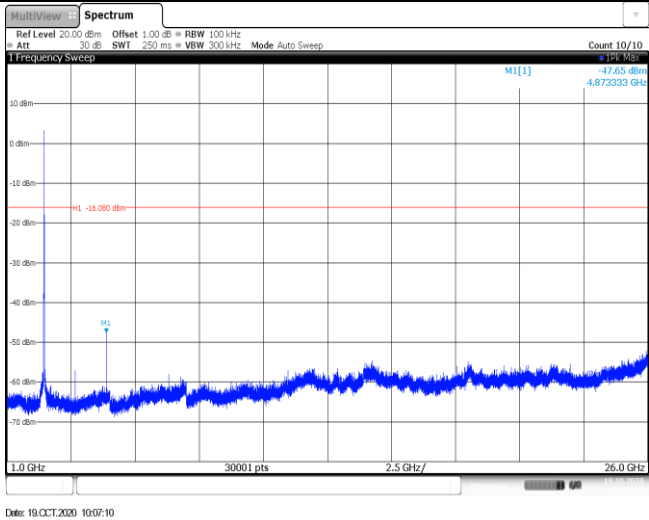
Test Item:	Bandedge	Type:	802.11 b																																										
CH01	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 1.12 ms VBW 300 kHz Mode Auto Sweep Count 200/300 115 MHz Frequency Sweep M1[1] 3.44 dBm M2[1] 2.412430 GHz M2[1] -40.84 dBm M2[1] 2.400000 GHz -18.500 dBm 1001 pts 11.2 MHz/ 2.422 GHz <table><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><tr><td>M1</td><td>1</td><td></td><td>2.41243 GHz</td><td>3.44 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-40.84 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-60.10 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-59.21 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.398928 GHz</td><td>-37.66 dBm</td><td></td><td></td></tr></table> Date: 19.OCT.2020 10:01:00			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41243 GHz	3.44 dBm			M2	1		2.4 GHz	-40.84 dBm			M3	1		2.39 GHz	-60.10 dBm			M4	1		2.31 GHz	-59.21 dBm			M5	1		2.398928 GHz	-37.66 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41243 GHz	3.44 dBm																																									
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CH11	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWT 1.03 ms VBW 300 kHz Mode Auto Sweep Count 300/300 115 MHz Frequency Sweep M1[1] 4.53 dBm M2[1] 2.4609910 GHz M2[1] -56.00 dBm M2[1] 2.4835000 GHz -15.470 dBm 1001 pts 4.8 MHz/ 2.5 GHz <table><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><tr><td>M1</td><td>1</td><td></td><td>2.460991 GHz</td><td>4.53 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-56.00 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-58.27 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.486992 GHz</td><td>-53.60 dBm</td><td></td><td></td></tr></table> Date: 19.OCT.2020 10:11:59			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.460991 GHz	4.53 dBm			M2	1		2.4835 GHz	-56.00 dBm			M3	1		2.5 GHz	-58.27 dBm			M4	1		2.486992 GHz	-53.60 dBm									
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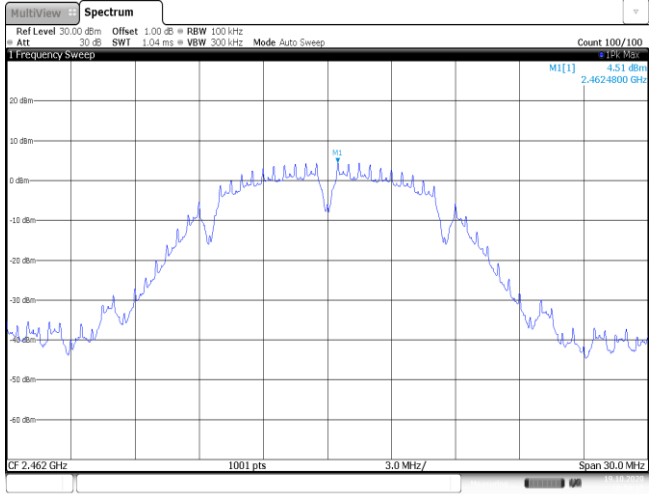
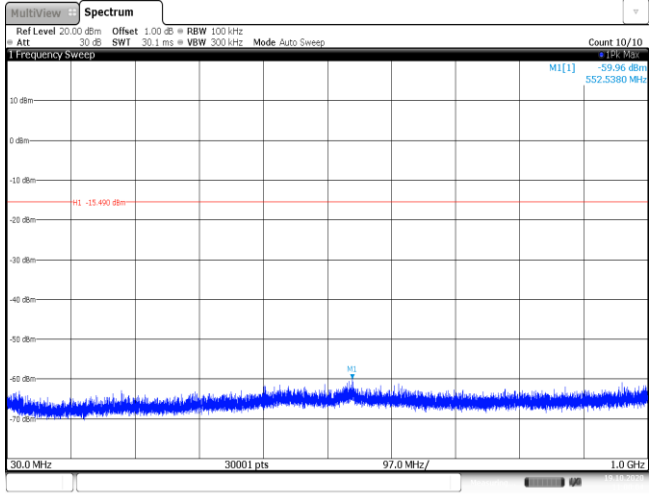
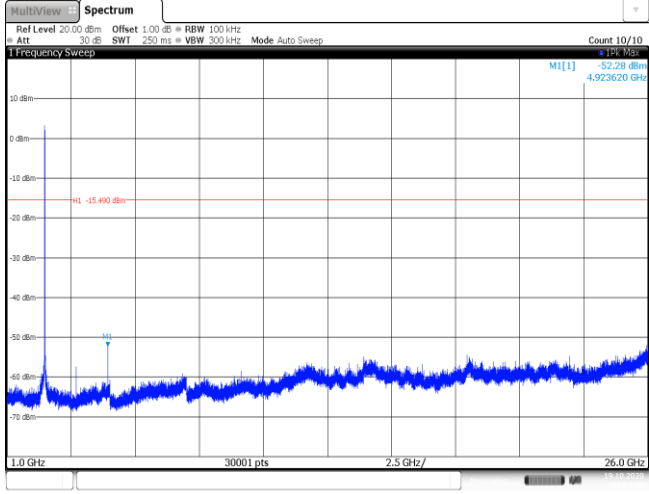
Test Item:	Bandedge	Type:	802.11 g																																										
CH01	MultiViewSpectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.12 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M2 M3 M4 -24.860 dBm -4.60 dBm -45.30 dBm -50.000 GHz 2.31 GHz 1001 pts 11.2 MHz/ 2.422 GHz 2 Marker Table <table><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><tr><td>M1</td><td>1</td><td></td><td>2.40695 GHz</td><td>-4.60 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-45.30 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-50.38 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-61.31 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.33197 GHz</td><td>-53.04 dBm</td><td></td><td></td></tr></table> Date: 19.OCT.2020 11:36:57			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40695 GHz	-4.60 dBm			M2	1		2.4 GHz	-45.30 dBm			M3	1		2.39 GHz	-50.38 dBm			M4	1		2.31 GHz	-61.31 dBm			M5	1		2.33197 GHz	-53.04 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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M2	1		2.4 GHz	-45.30 dBm																																									
M3	1		2.39 GHz	-50.38 dBm																																									
M4	1		2.31 GHz	-61.31 dBm																																									
M5	1		2.33197 GHz	-53.04 dBm																																									
CH11	MultiViewSpectrum 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 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M2 -23.950 dBm -3.95 dBm 2.466985 GHz 2.4669850 GHz 2.452 GHz 1001 pts 4.8 MHz/ 2.5 GHz 2 Marker Table <table><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><tr><td>M1</td><td>1</td><td></td><td>2.466985 GHz</td><td>-3.95 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-49.21 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-58.84 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.48416 GHz</td><td>-45.59 dBm</td><td></td><td></td></tr></table> Date: 19.OCT.2020 10:26:57			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.466985 GHz	-3.95 dBm			M2	1		2.4835 GHz	-49.21 dBm			M3	1		2.5 GHz	-58.84 dBm			M4	1		2.48416 GHz	-45.59 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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M2	1		2.4835 GHz	-49.21 dBm																																									
M3	1		2.5 GHz	-58.84 dBm																																									
M4	1		2.48416 GHz	-45.59 dBm																																									

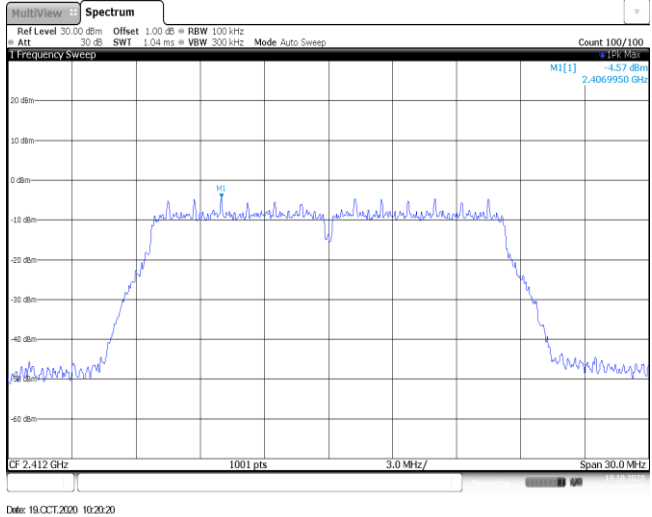
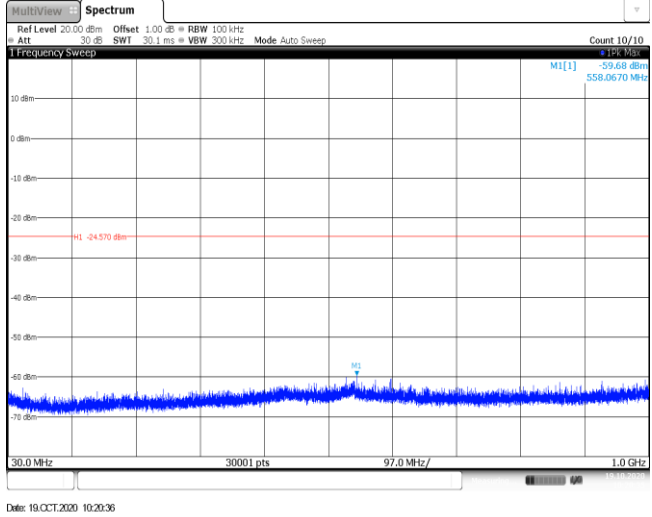
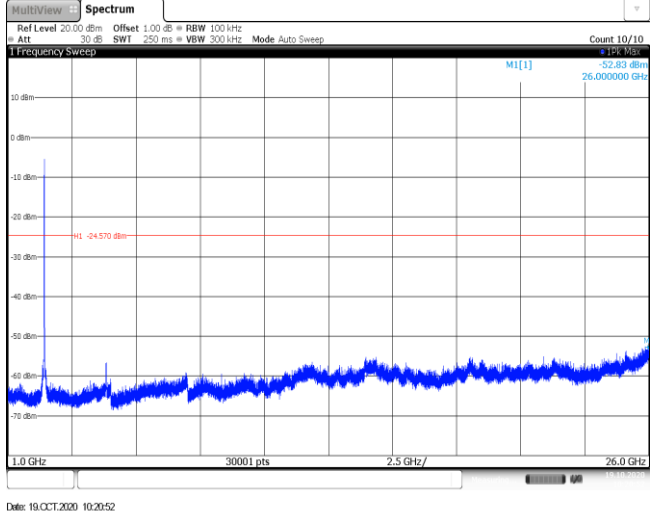
Test Item:	Bandedge	Type:	802.11 n(HT20)																																										
CH01	MultiViewSpectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.12 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm 2.31 GHz 1001 pts 11.2 MHz/ 2.422 GHz M1[1] 2.406950 GHz -4.45 dBm M2[1] 2.400000 GHz -43.50 dBm M3 2.39 GHz -51.13 dBm M4 2.31 GHz -60.25 dBm M5 2.33197 GHz -51.58 dBm 2 Marker Table <table><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><tr><td>M1</td><td>1</td><td></td><td>2.40695 GHz</td><td>-4.45 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-43.50 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-51.13 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-60.25 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.33197 GHz</td><td>-51.58 dBm</td><td></td><td></td></tr></table> Date: 19.OCT.2020 11:39:10			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40695 GHz	-4.45 dBm			M2	1		2.4 GHz	-43.50 dBm			M3	1		2.39 GHz	-51.13 dBm			M4	1		2.31 GHz	-60.25 dBm			M5	1		2.33197 GHz	-51.58 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.40695 GHz	-4.45 dBm																																									
M2	1		2.4 GHz	-43.50 dBm																																									
M3	1		2.39 GHz	-51.13 dBm																																									
M4	1		2.31 GHz	-60.25 dBm																																									
M5	1		2.33197 GHz	-51.58 dBm																																									
CH11	MultiViewSpectrum 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 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm 2.452 GHz 1001 pts 4.8 MHz/ 2.5 GHz M1[1] 2.467030 GHz -4.42 dBm M2[1] 2.467030 GHz -48.59 dBm M3 2.5 GHz -57.40 dBm M4 2.484208 GHz -47.91 dBm 2 Marker Table <table><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><tr><td>M1</td><td>1</td><td></td><td>2.46703 GHz</td><td>-4.42 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-48.59 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-57.40 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.484208 GHz</td><td>-47.91 dBm</td><td></td><td></td></tr></table> Date: 19.OCT.2020 10:30:06			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.46703 GHz	-4.42 dBm			M2	1		2.4835 GHz	-48.59 dBm			M3	1		2.5 GHz	-57.40 dBm			M4	1		2.484208 GHz	-47.91 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.46703 GHz	-4.42 dBm																																									
M2	1		2.4835 GHz	-48.59 dBm																																									
M3	1		2.5 GHz	-57.40 dBm																																									
M4	1		2.484208 GHz	-47.91 dBm																																									

Appendix report page: 23 of 35

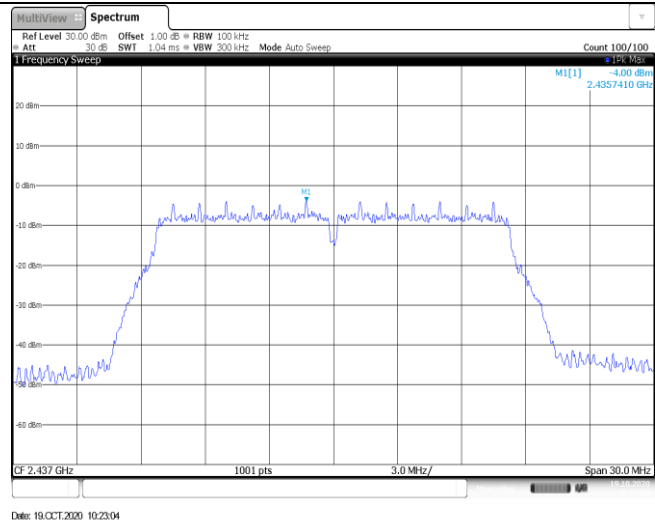
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CH01 30MHz~1000MHz			
CH01 1GHz~26GHz			

CH06 Reference level	
CH06 30MHz~1000MHz	
CH06 1GHz~26GHz	

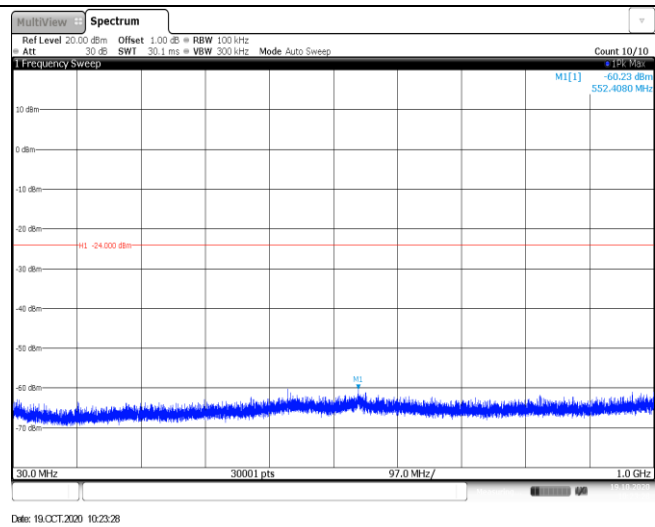
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CH11 1GHz~26GHz	 Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SWF 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -52.28 dBm 4.923620 GHz H1 -15.400 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 19.OCT.2020 11:04:20

Test Item:	SE	Type:	802.11g
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CH01 1GHz~26GHz			

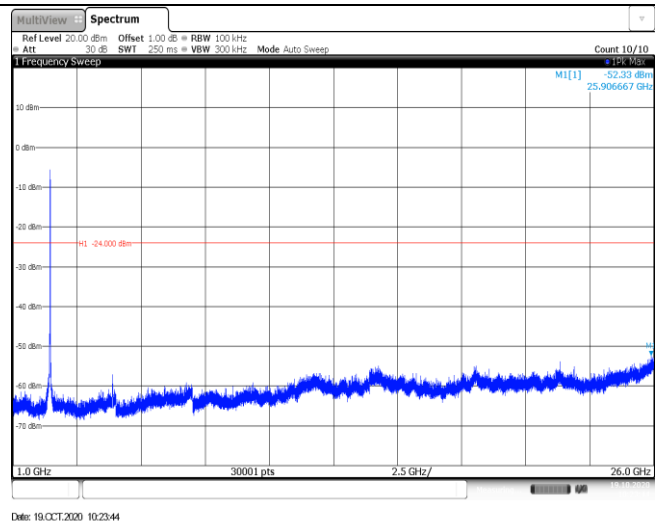
CH06
Reference level

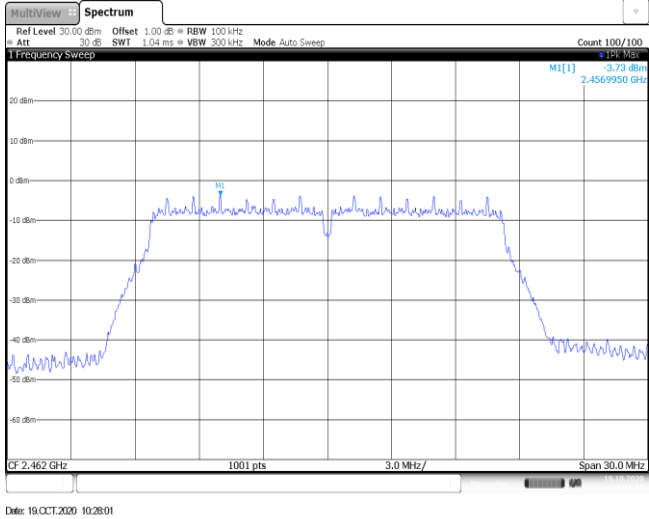
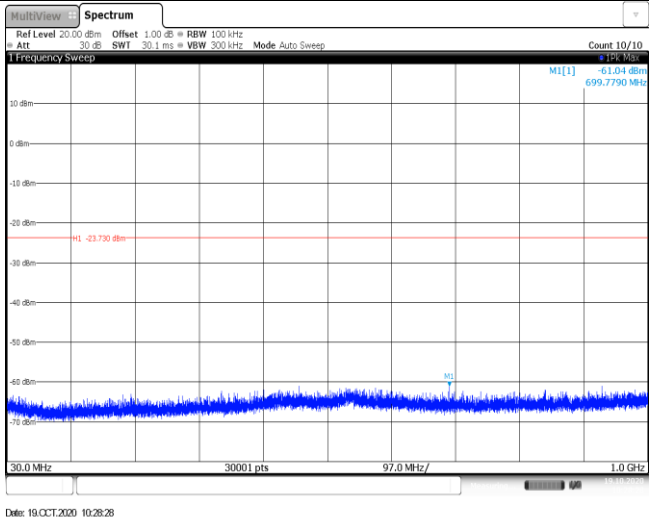
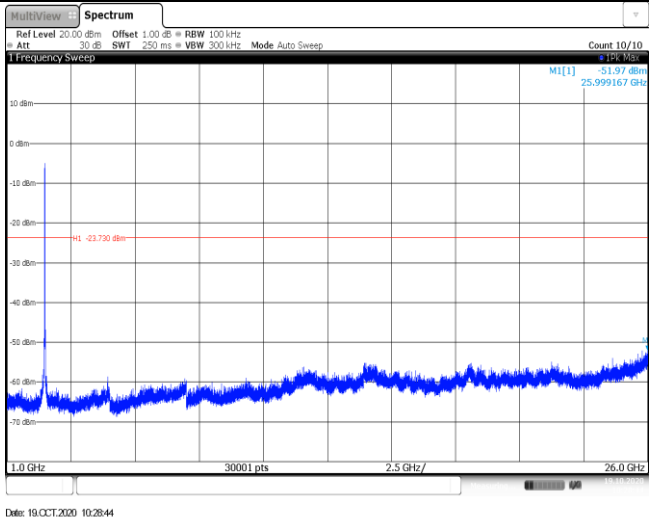


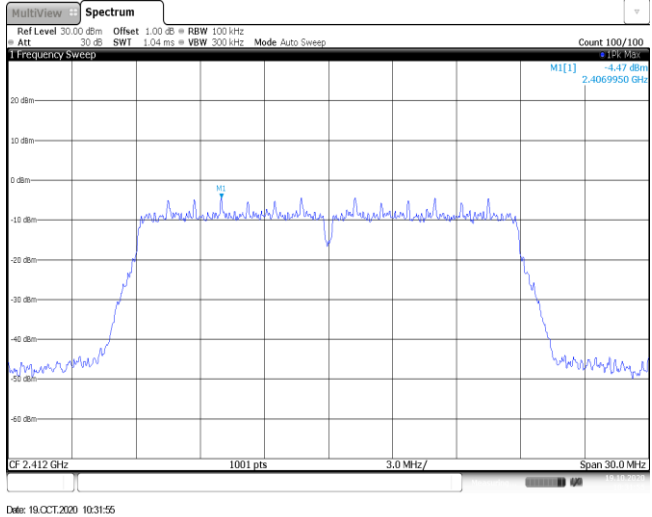
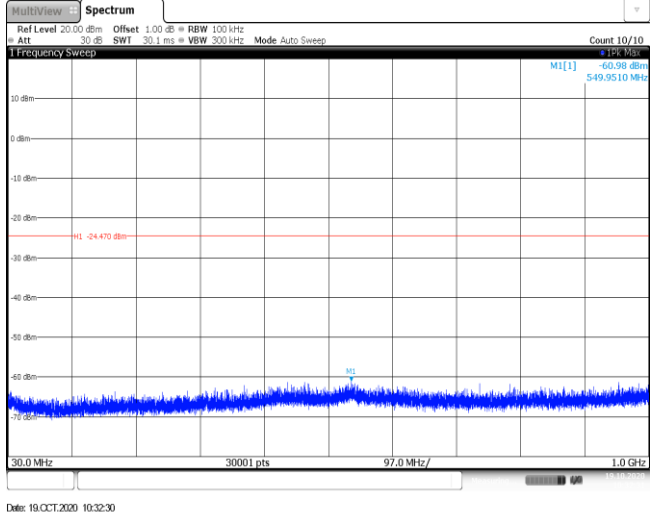
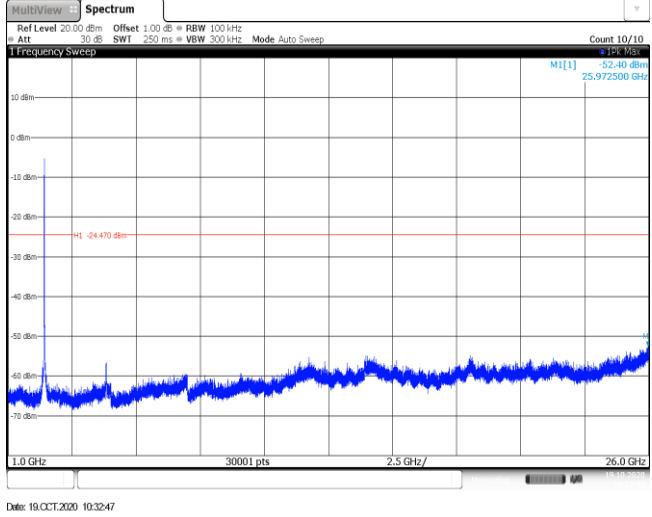
CH06
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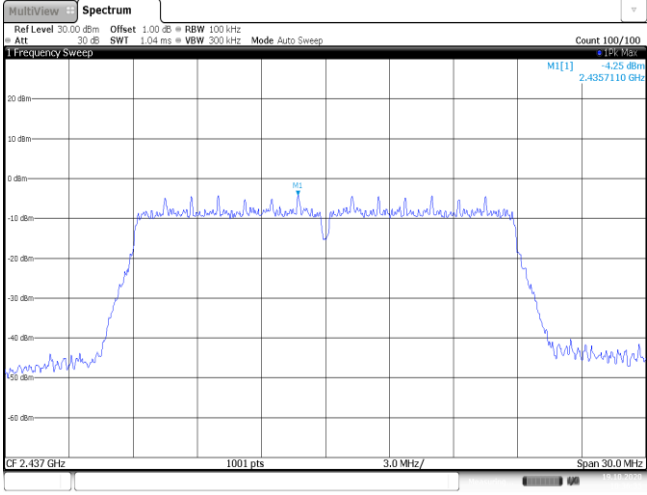
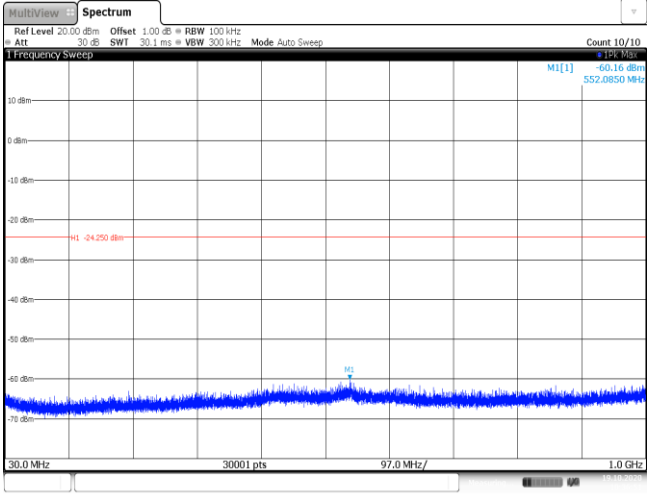
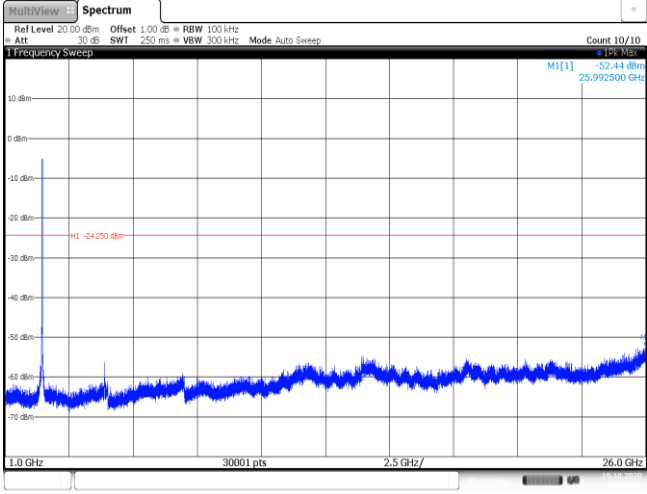


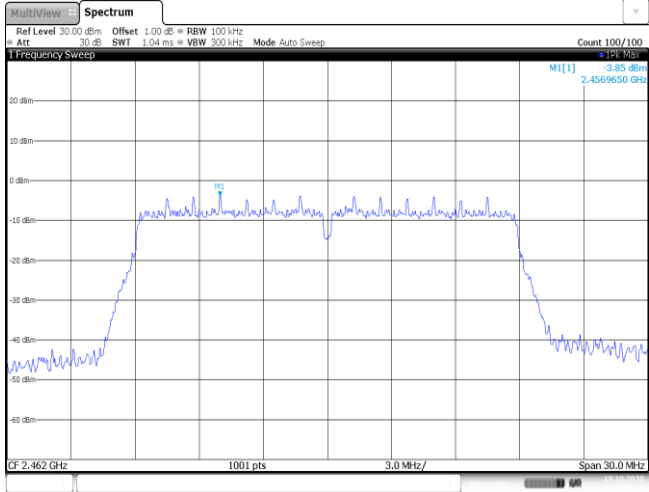
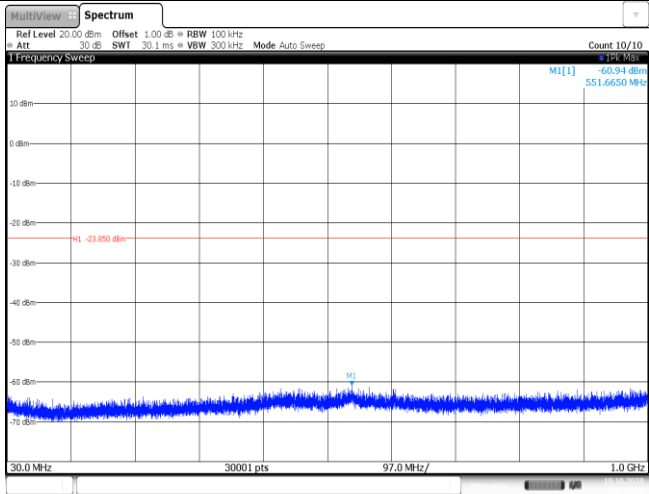
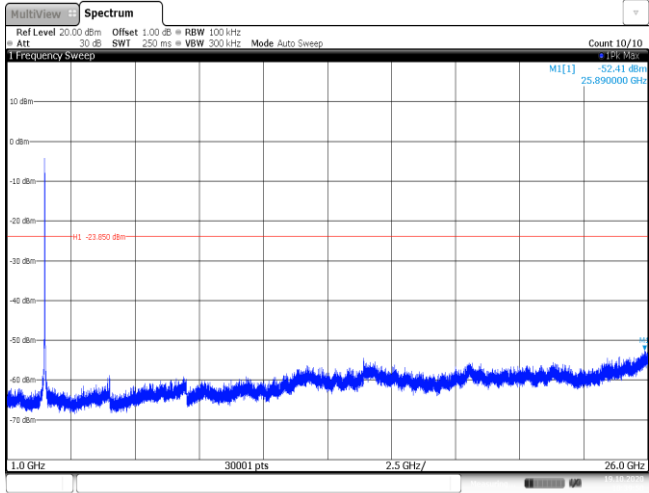
CH06
1GHz~26GHz

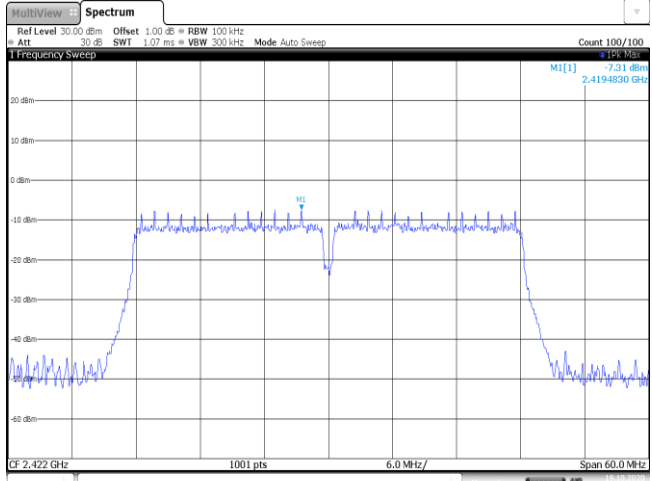
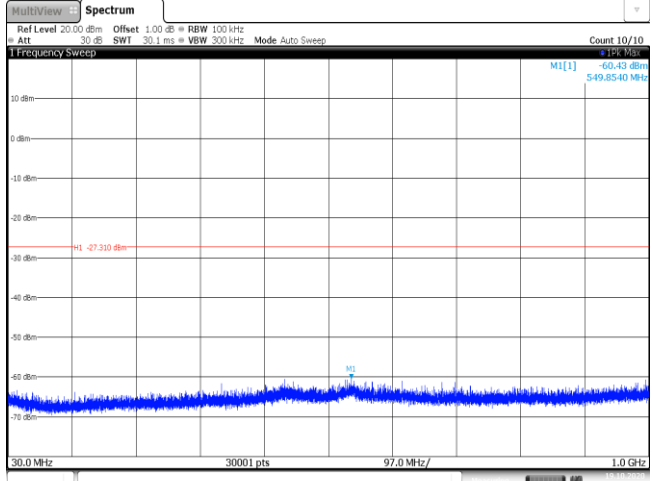
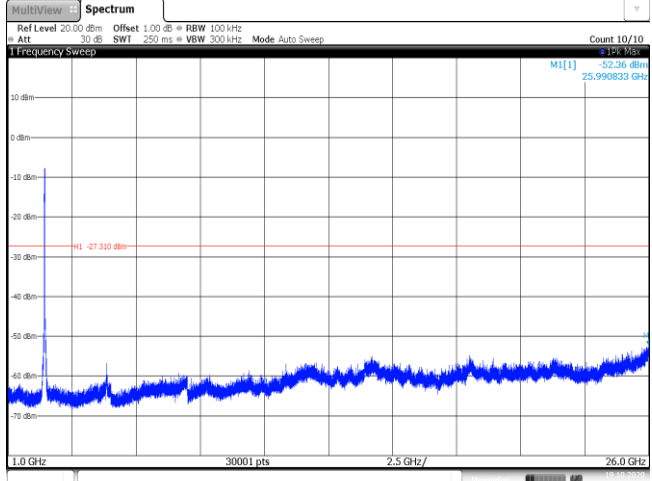


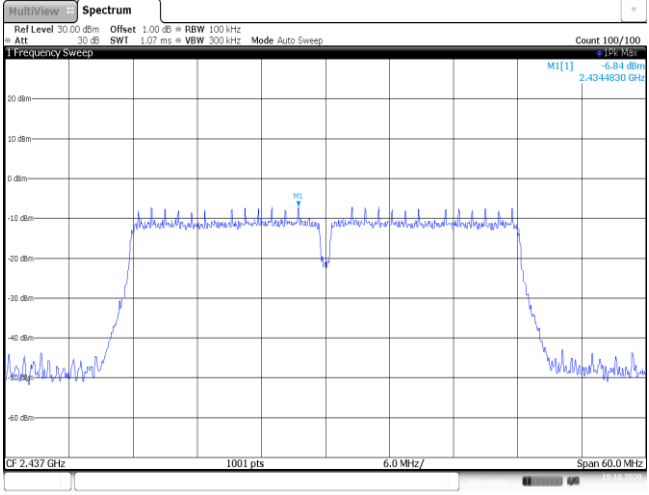
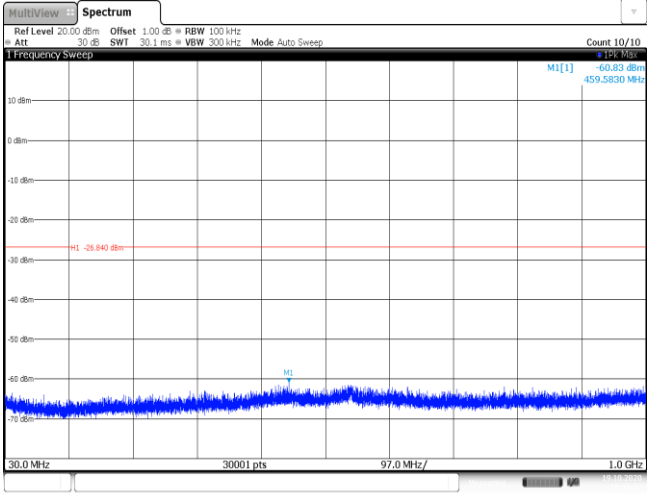
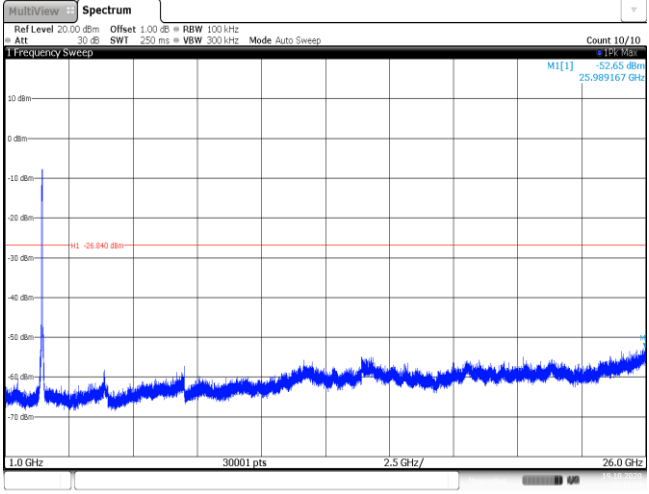
CH11 Reference level	
CH11 30MHz~1000MHz	
CH11 1GHz~26GHz	

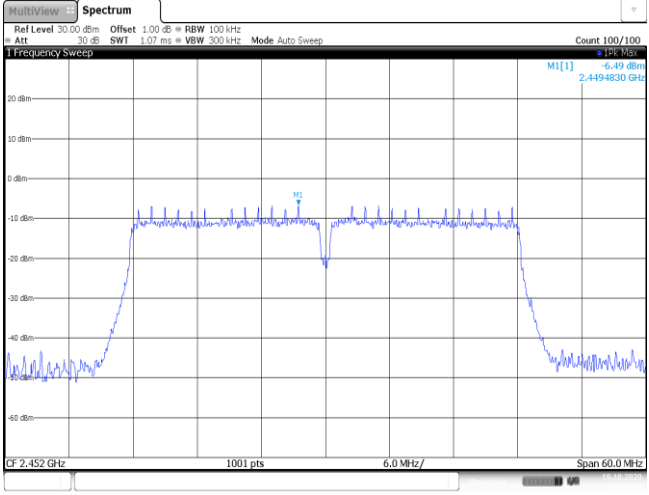
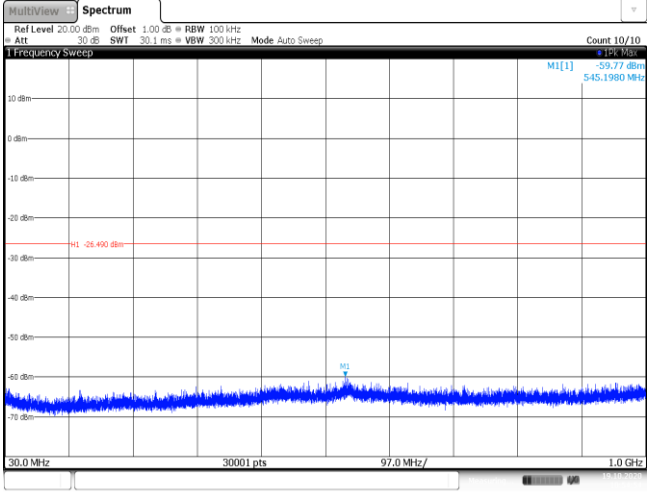
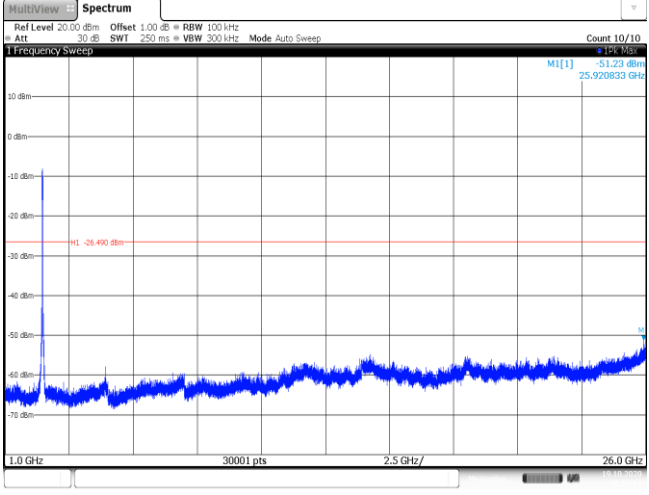
Test Item:	SE	Type:	802.11n(HT20)
CH01 Reference level			
CH01 30MHz~1000MHz			
CH01 1GHz~26GHz			

CH06 Reference level	 The spectrum plot shows a signal centered at 2.437 GHz. The y-axis represents power in dBm, ranging from -60 to 20. The x-axis represents frequency in MHz, with a span of 30.0 MHz. The signal is a narrowband peak with a bandwidth of 1001 pts and a resolution of 3.0 MHz. The date is 19.OCT.2020 10:36:35.
CH06 30MHz~1000MHz	 The spectrum plot shows a wideband signal from 30.0 MHz to 1.0 GHz. The y-axis represents power in dBm, ranging from -70 to 10. The x-axis represents frequency in MHz, with a span of 97.0 MHz. The signal is a wideband noise floor with a bandwidth of 30001 pts and a resolution of 30.0 MHz. The date is 19.OCT.2020 10:36:51.
CH06 1GHz~26GHz	 The spectrum plot shows a wideband signal from 1.0 GHz to 26.0 GHz. The y-axis represents power in dBm, ranging from -70 to 10. The x-axis represents frequency in GHz, with a span of 2.5 GHz. The signal is a wideband noise floor with a bandwidth of 30001 pts and a resolution of 2.5 GHz. The date is 19.OCT.2020 10:37:07.

CH11 Reference level	 The spectrum plot shows a signal centered at 2.462 GHz with a span of 30.0 MHz. The y-axis represents power in dBm, ranging from -60 to 20. The signal is a broad peak with a maximum level of approximately -10 dBm. The plot includes a grid and various measurement parameters at the top.
CH11 30MHz~1000MHz	 The spectrum plot shows a signal centered at 551.6650 MHz with a span of 30.0 MHz. The y-axis represents power in dBm, ranging from -70 to 10. The signal is a broad peak with a maximum level of approximately -60.94 dBm. The plot includes a grid and various measurement parameters at the top.
CH11 1GHz~26GHz	 The spectrum plot shows a signal centered at 25.890000 GHz with a span of 26.0 GHz. The y-axis represents power in dBm, ranging from -70 to 10. The signal is a broad peak with a maximum level of approximately -52.41 dBm. The plot includes a grid and various measurement parameters at the top.

Test Item:	SE	Type:	802.11n(HT40)
CH03 Reference level		 Count 100/100 M1[1] 2.4194830 GHz -7.31 dBm Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 1.07 ms VBW 300 kHz Mode Auto Sweep 2.422 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 19.OCT.2020 10:42:37	
CH03 30MHz~1000MHz		 Count 10/10 M1[1] 549.8540 MHz -60.43 dBm 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 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 19.OCT.2020 10:42:54	
CH03 1GHz~26GHz		 Count 10/10 M1[1] 25.990633 GHz -52.36 dBm Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWI 250 ms VBW 300 kHz Mode Auto Sweep 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 19.OCT.2020 10:43:10	

CH06 Reference level	 The spectrum plot shows a signal centered at 2.437 GHz with a span of 60.0 MHz. The y-axis represents power in dBm, ranging from -60 to -10. The signal is a square wave with a peak level of approximately -10 dBm and a minimum level of approximately -40 dBm. The plot includes a frequency sweep and a count of 100/100.
CH06 30MHz~1000MHz	 The spectrum plot shows a signal centered at 30.0 MHz with a span of 97.0 MHz. The y-axis represents power in dBm, ranging from -70 to -10. The signal is a square wave with a peak level of approximately -10 dBm and a minimum level of approximately -40 dBm. The plot includes a frequency sweep and a count of 10/10.
CH06 1GHz~26GHz	 The spectrum plot shows a signal centered at 1.0 GHz with a span of 26.0 GHz. The y-axis represents power in dBm, ranging from -70 to -10. The signal is a square wave with a peak level of approximately -10 dBm and a minimum level of approximately -40 dBm. The plot includes a frequency sweep and a count of 10/10.

CH09 Reference level	 Ref Level 30.00 dBm Offset 1.00 dB RBW 100 kHz Att 30.0 dB SWF 1.07 ms VBW 300 kHz Mode Auto Sweep Count 100/100 M1[1] -6.49 dBm 2.4494830 GHz CF 2.452 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 19.OCT.2020 10:54:37
CH09 30MHz~1000MHz	 Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30.0 dB SWF 30.1 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -59.77 dBm 545.1980 MHz 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 19.OCT.2020 10:54:55
CH09 1GHz~26GHz	 Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz Att 30.0 dB SWF 250 ms VBW 300 kHz Mode Auto Sweep Count 10/10 M1[1] -51.23 dBm 25.920833 GHz 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 19.OCT.2020 10:55:11

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