

APPENDIX REPORT

Project No.	SHT2208193404EW	Radio Specification	WIFI 2.4G
Test sample No.	YPHT22081934002	Model No.	NeoPix 320
Start test date	2022-08-26	Finish date	2022-08-31
Temperature	25.1℃	Humidity	38%
Test Engineer	Xiaoxiao Li	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(coducted)	PASS

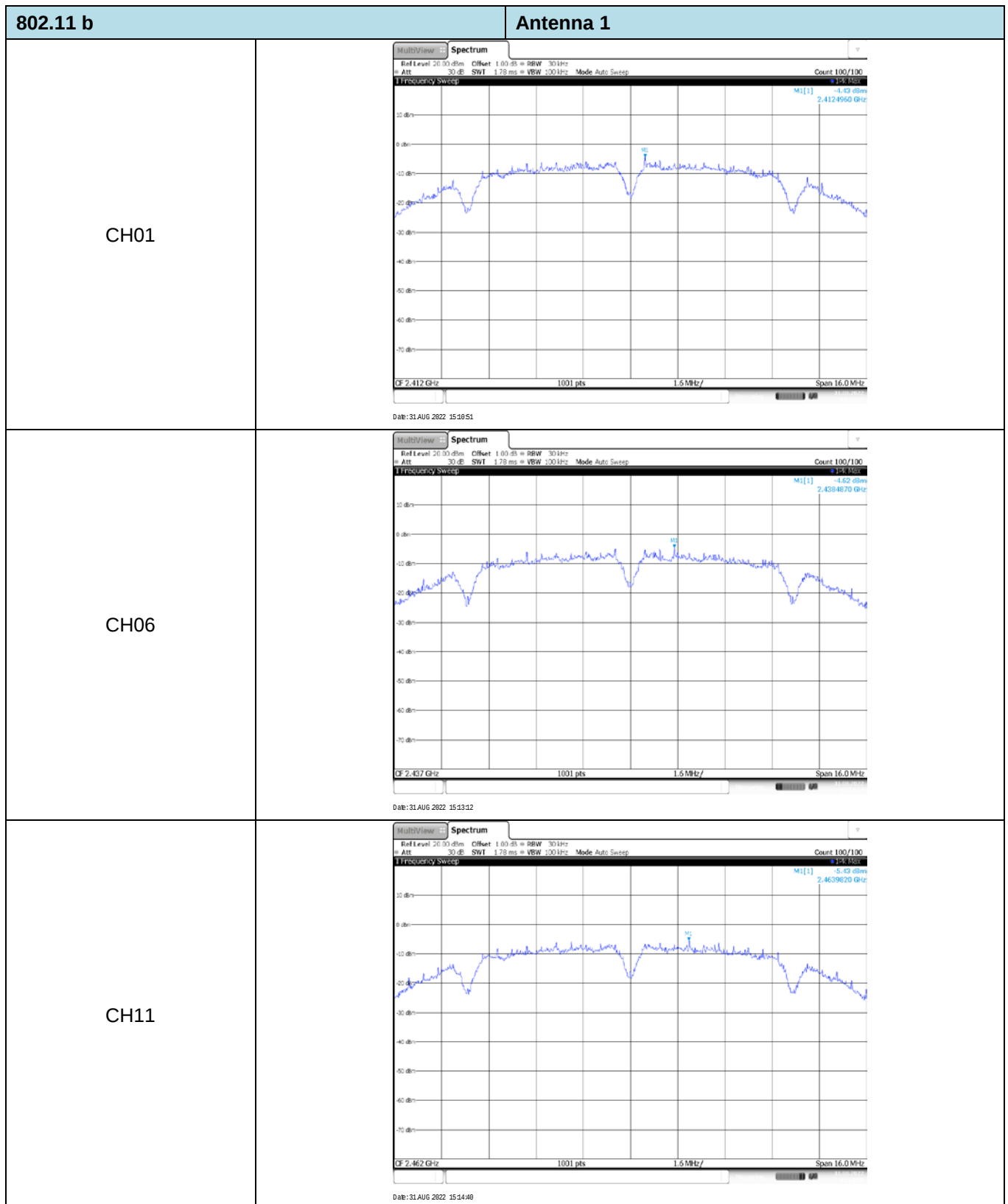
Appendix A: Conducted Peak Output Power

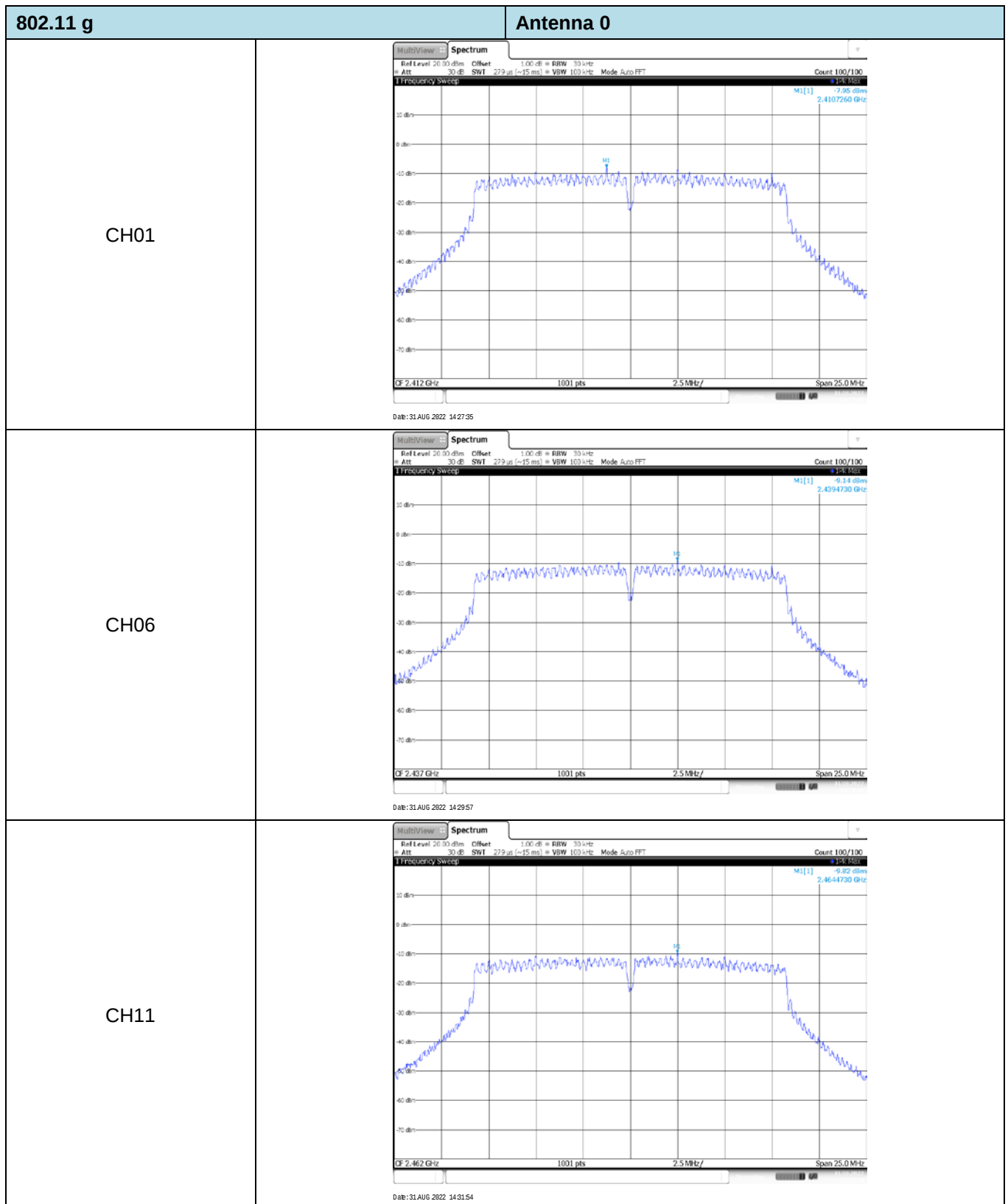
Type	Channel	Peak Output power (dBm)			Average Output power (dBm)			Limit (dBm)	Result
		Antenna 0	Antenna 1	Total	Antenna 0	Antenna 1	Total		
802.11b	01	15.25	10.94	-	12.83	8.45	-	≤30.00	Pass
	06	14.59	10.74	-	12.17	8.21	-		
	11	15.03	10.26	-	12.54	8.16	-		
802.11g	01	16.03	13.00	-	13.10	9.94	-	≤30.00	Pass
	06	15.37	12.57	-	12.45	9.45	-		
	11	15.11	12.15	-	12.23	9.36	-		
802.11n (HT20)	01	13.89	11.32	15.80	10.92	9.56	13.30	≤30.00	Pass
	06	13.80	10.99	15.63	10.71	8.16	12.63		
	11	13.49	10.69	15.33	10.55	7.68	12.36		
802.11n (HT40)	03	13.94	11.05	15.73	10.42	7.92	12.36	≤30.00	Pass
	06	13.49	10.74	15.33	10.35	7.61	12.20		
	09	13.34	10.50	15.13	10.31	7.35	12.09		

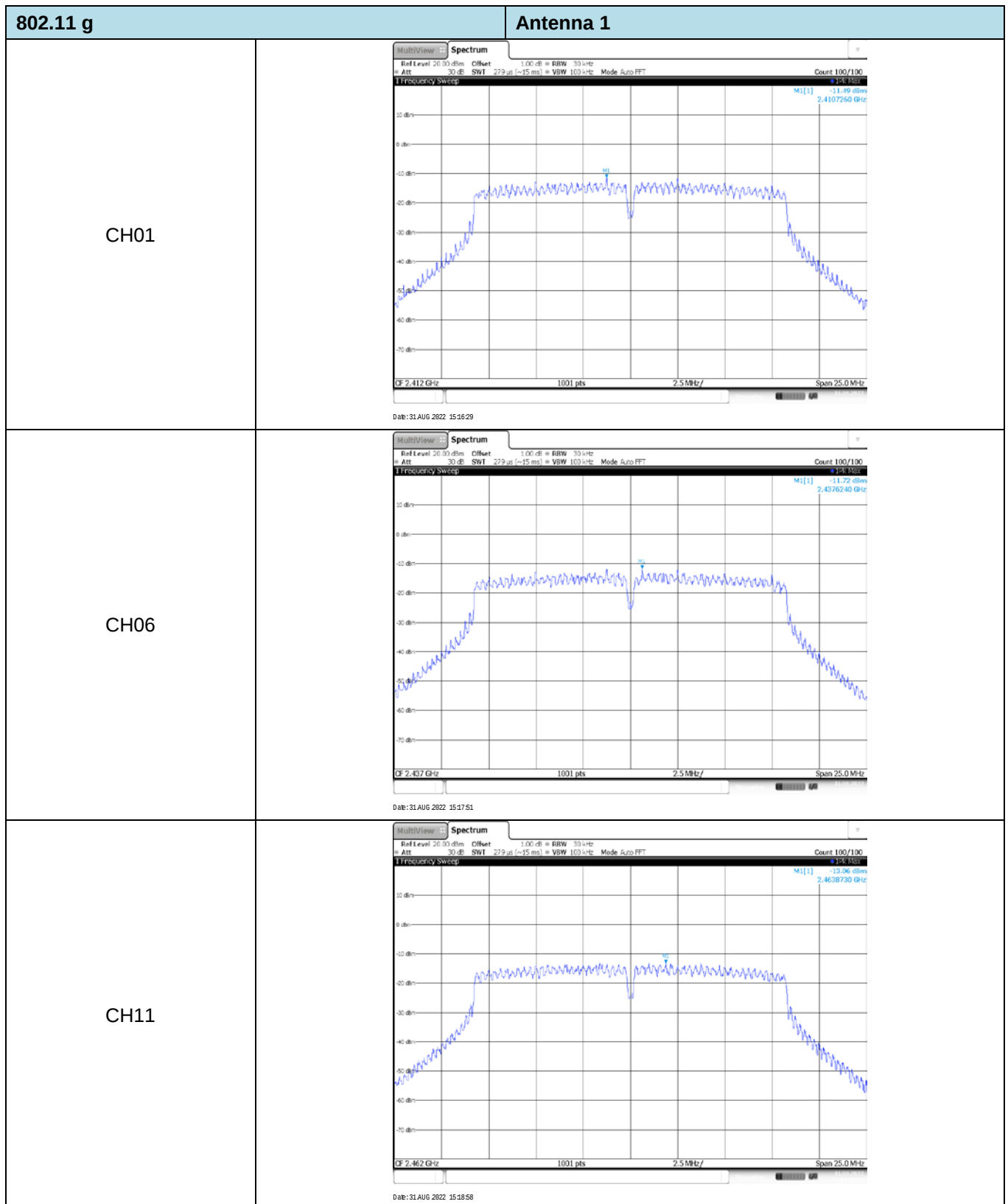
Appendix B: Power Spectral Density

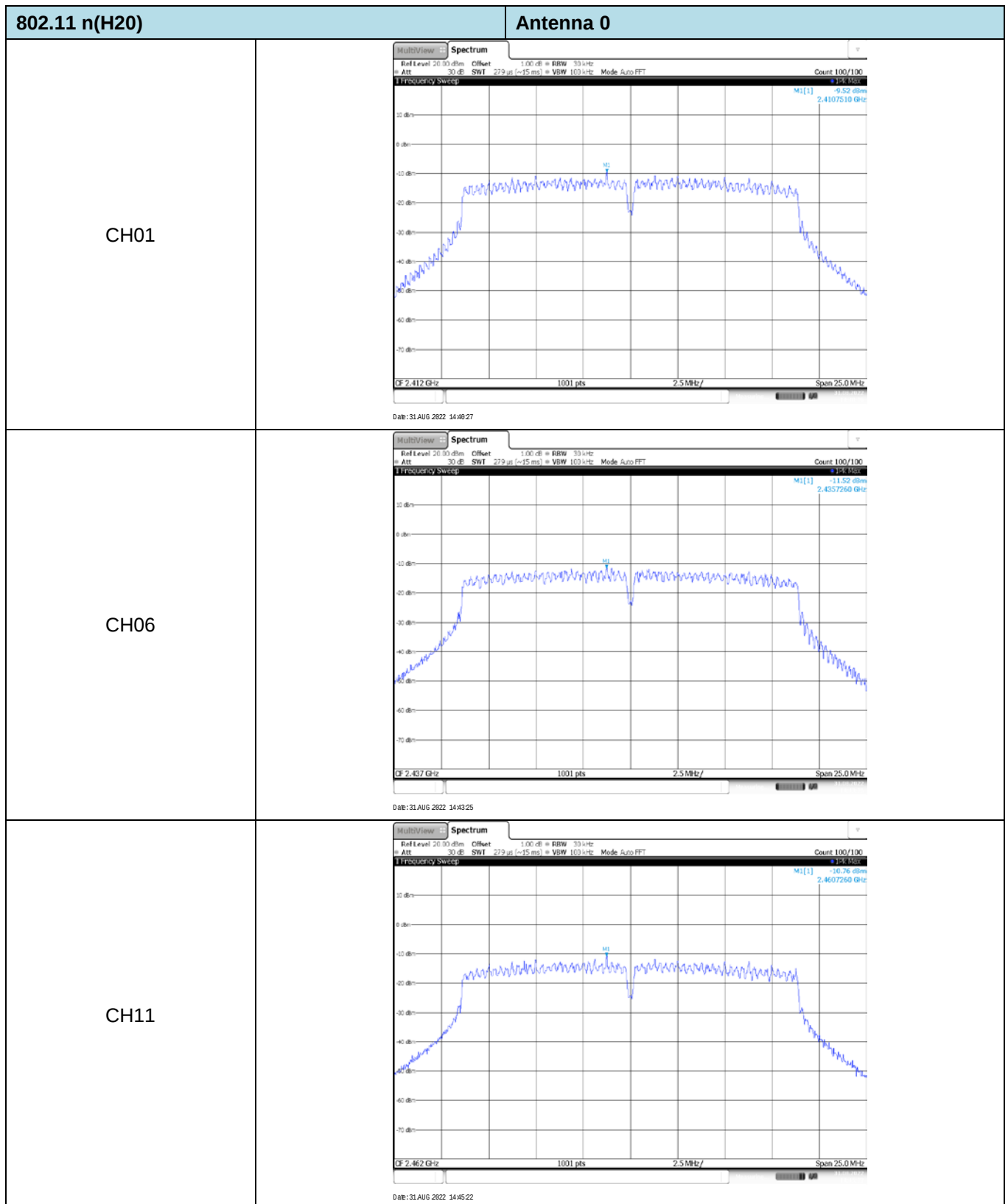
Type	Channel	Power Spectral Density (dBm/30KHz)		Total Power Spectral Density (dBm/30KHz)	Limit (dBm/3KHz)	Result
		Antenna 0	Antenna 1			
802.11b	01	1.36	-4.43	-	≤7.99	Pass
	06	-0.45	-4.62	-		
	11	-1.69	-5.43	-		
802.11g	01	-7.95	-11.49	-	≤7.99	Pass
	06	-9.14	-11.72	-		
	11	-9.82	-13.06	-		
802.11n(HT20)	01	-9.52	-12.83	-7.86	≤7.99	Pass
	06	-11.52	-13.69	-9.46		
	11	-10.76	-13.26	-8.82		
802.11n(HT40)	03	-13.66	-17.13	-12.05	≤7.99	Pass
	06	-14.13	-17.37	-12.44		
	09	-15.00	-16.91	-12.84		

802.11 b		Antenna 0
CH01	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 30 kHz Att 30 dB SWI 1.28 ms = VBW 100 kHz Mode Auto Sweep 1 Frequency Sweep Count 100/100 MU[1] 1.36 dBm 2.4139820 GHz CF 2.412 GHz 1001 pts 1.5 MHz/ Span 16.0 MHz Date: 31 AUG 2022 13:55:12	
CH06	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 30 kHz Att 30 dB SWI 1.28 ms = VBW 100 kHz Mode Auto Sweep 1 Frequency Sweep Count 100/100 MU[1] -6.45 dBm 2.4359930 GHz CF 2.437 GHz 1001 pts 1.5 MHz/ Span 16.0 MHz Date: 31 AUG 2022 14:21:05	
CH11	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 30 kHz Att 30 dB SWI 1.28 ms = VBW 100 kHz Mode Auto Sweep 1 Frequency Sweep Count 100/100 MU[1] -1.69 dBm 2.4594910 GHz CF 2.462 GHz 1001 pts 1.5 MHz/ Span 16.0 MHz Date: 31 AUG 2022 14:23:33	

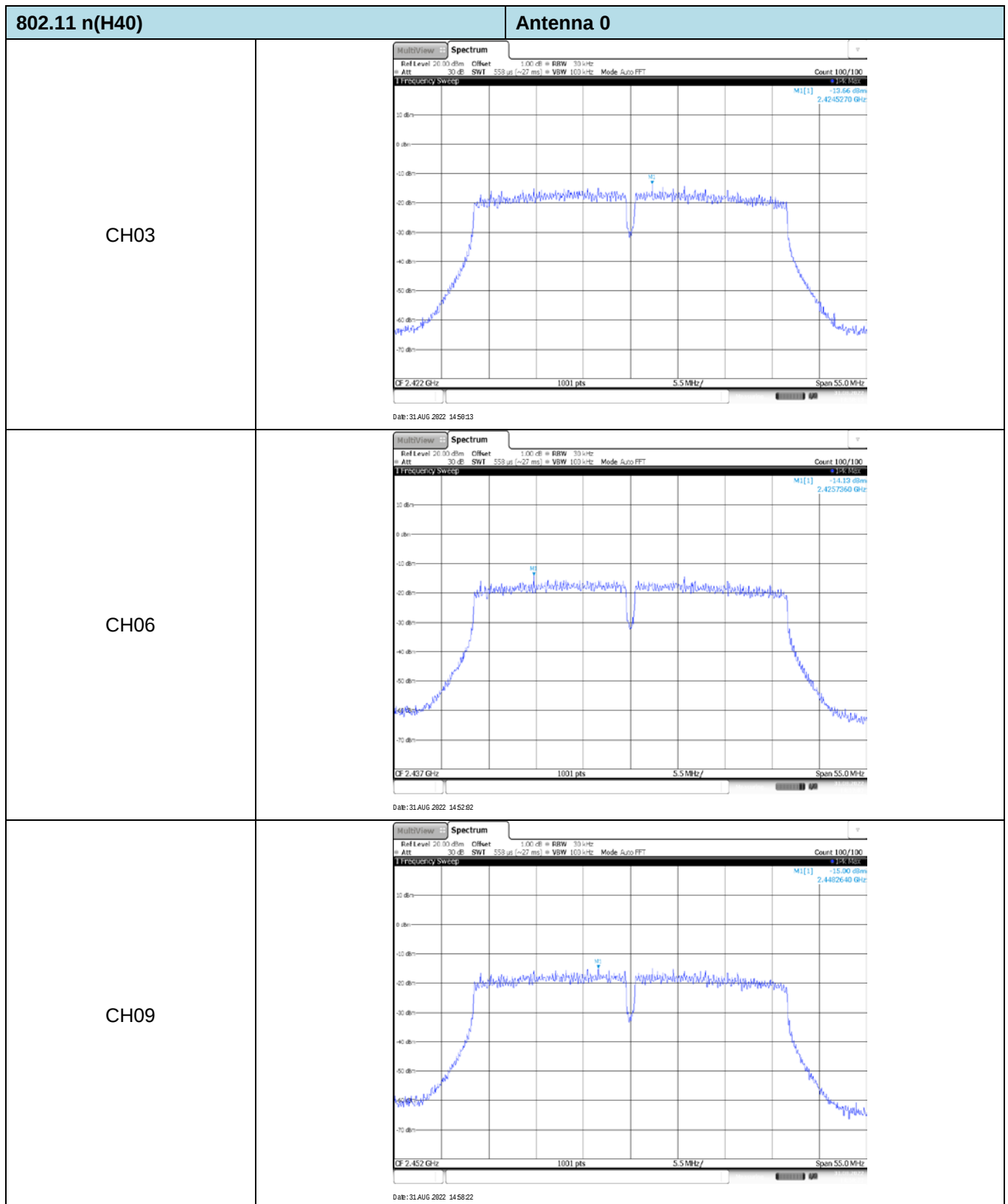


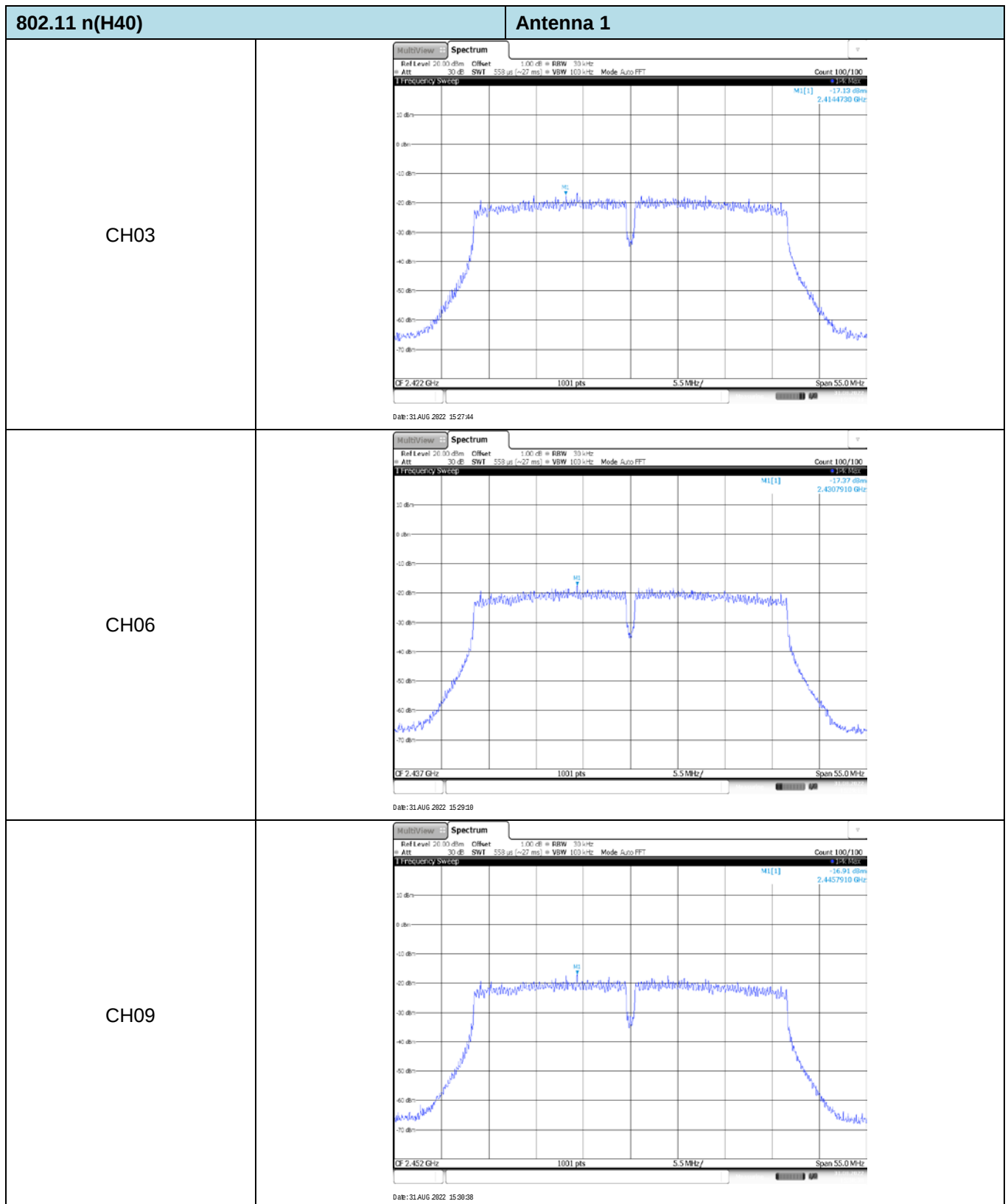






802.11 n(H20)		Antenna 1
CH01	MultiView Spectrum Ref Level: 20.00 dBm Offset: 1.00 dB RBW: 50 kHz Att: 30 dB SWI: 279 μs (~15 ms) VBW: 100 kHz Mode: Auto FFT Count: 100/100 1% Max Frequency Sweep M1[1] -12.89 dBm 2.4107250 GHz 30 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm OF 2.412 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 31 AUG 2022 15:22:17	
CH06	MultiView Spectrum Ref Level: 20.00 dBm Offset: 1.00 dB RBW: 50 kHz Att: 30 dB SWI: 279 μs (~15 ms) VBW: 100 kHz Mode: Auto FFT Count: 100/100 1% Max Frequency Sweep M1[1] -12.69 dBm 2.4357510 GHz 30 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm OF 2.437 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 31 AUG 2022 15:24:19	
CH11	MultiView Spectrum Ref Level: 20.00 dBm Offset: 1.00 dB RBW: 50 kHz Att: 30 dB SWI: 279 μs (~15 ms) VBW: 100 kHz Mode: Auto FFT Count: 100/100 1% Max Frequency Sweep M1[1] -12.26 dBm 2.4607510 GHz 30 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm OF 2.462 GHz 1001 pts 2.5 MHz/ Span 25.0 MHz Date: 31 AUG 2022 15:25:35	



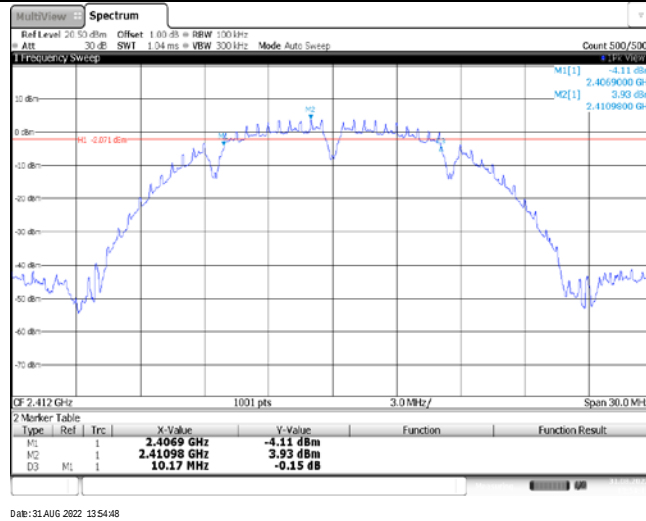


Appendix C: 6dB Bandwidth

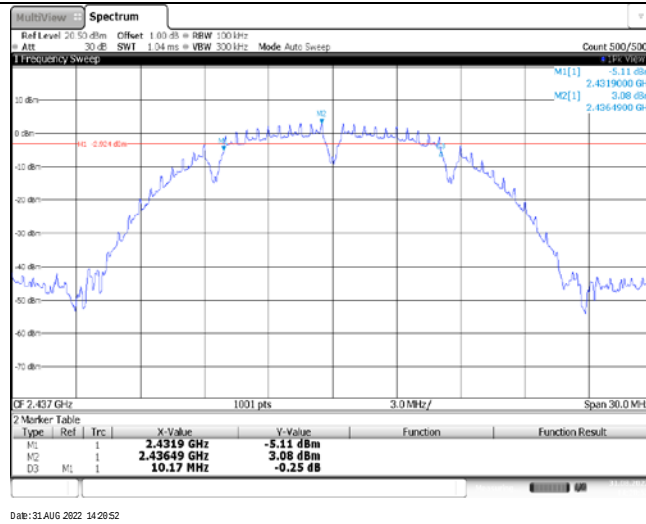
Type	Channel	6dB Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	10.17	≥500	Pass
	06	10.17		
	11	10.17		
802.11g	01	16.08	≥500	Pass
	06	15.99		
	11	15.87		
802.11n(HT20)	01	15.78	≥500	Pass
	06	16.35		
	11	16.71		
802.11n(HT40)	03	35.28	≥500	Pass
	06	35.52		
	09	35.28		

802.11 b

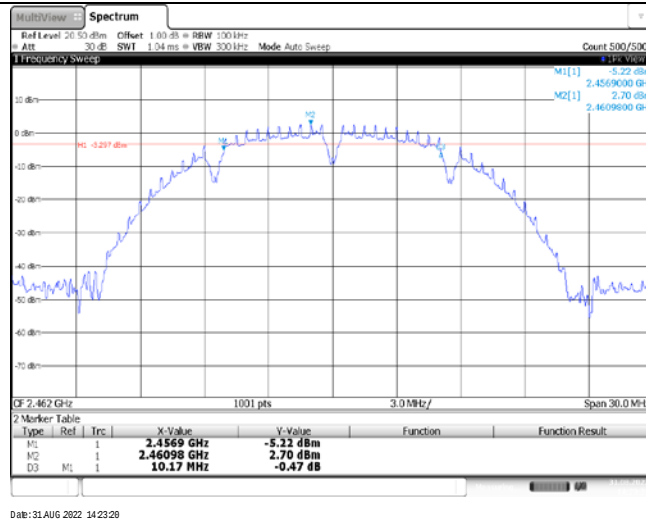
CH01



CH06

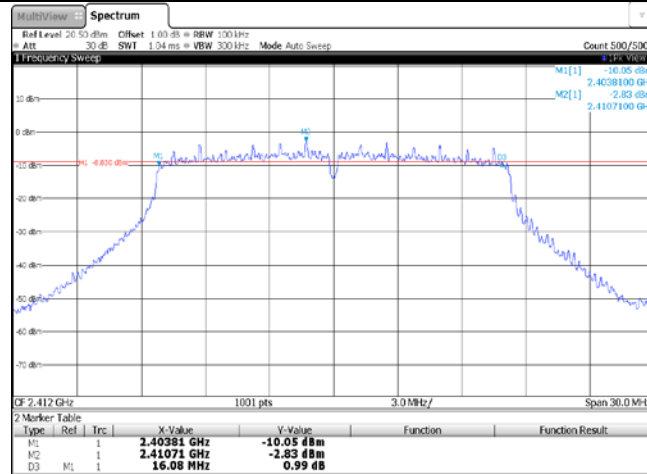


CH11



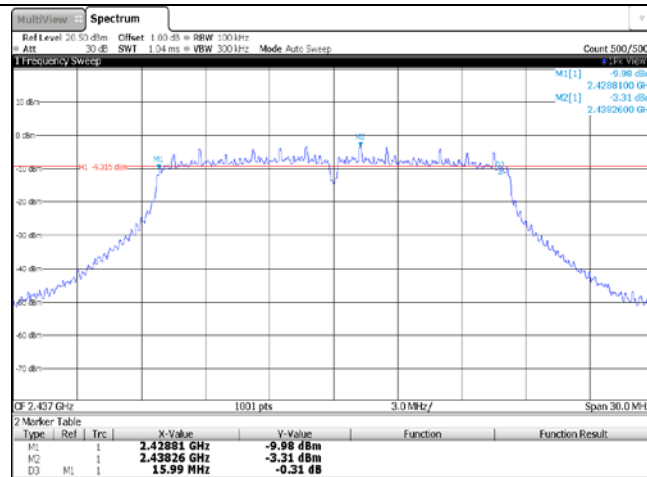
802.11 g

CH01



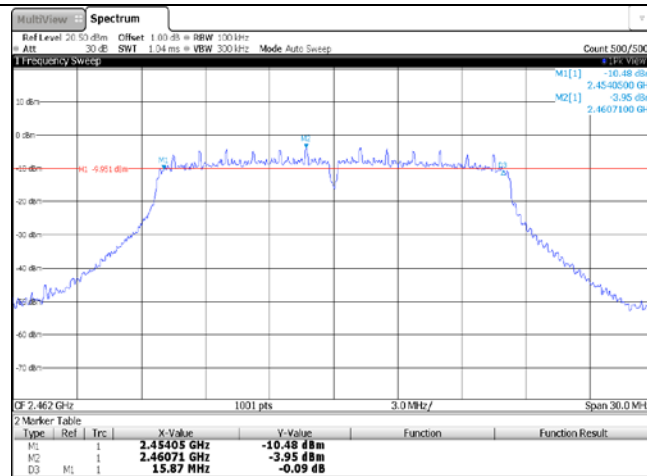
Date: 31 AUG 2022 14:27:22

CH06



Date: 31 AUG 2022 14:29:45

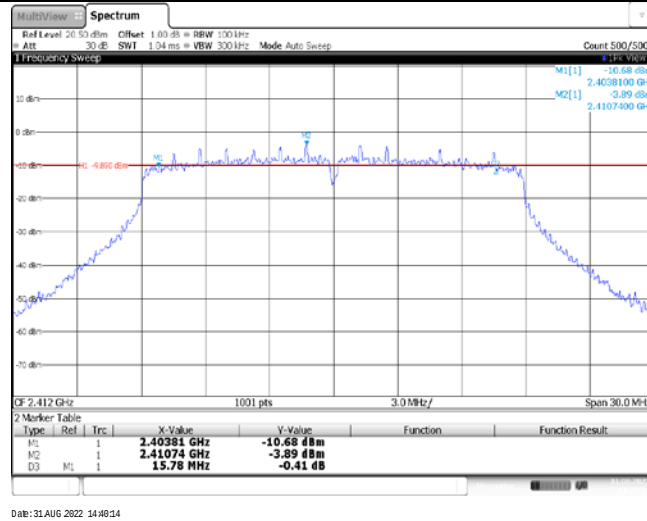
CH11



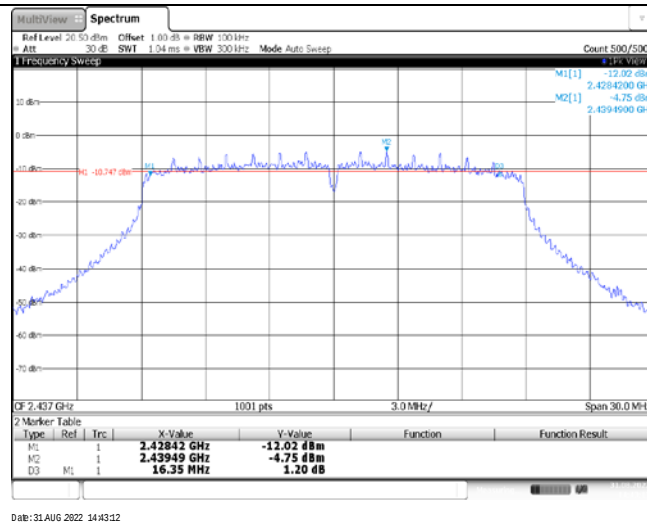
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802.11n(HT20)

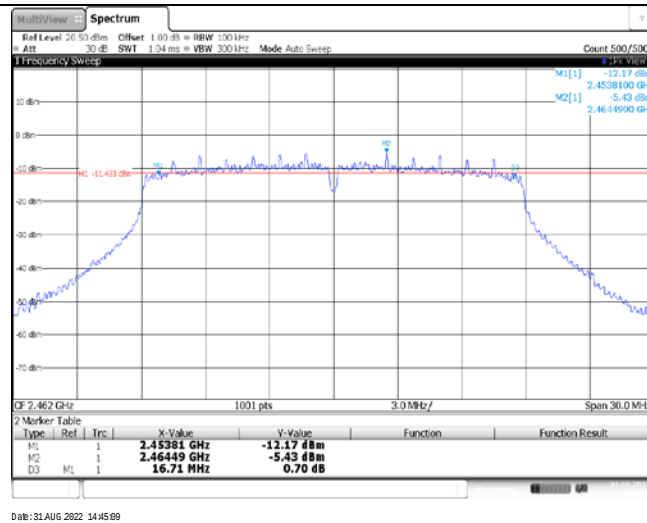
CH01



CH06

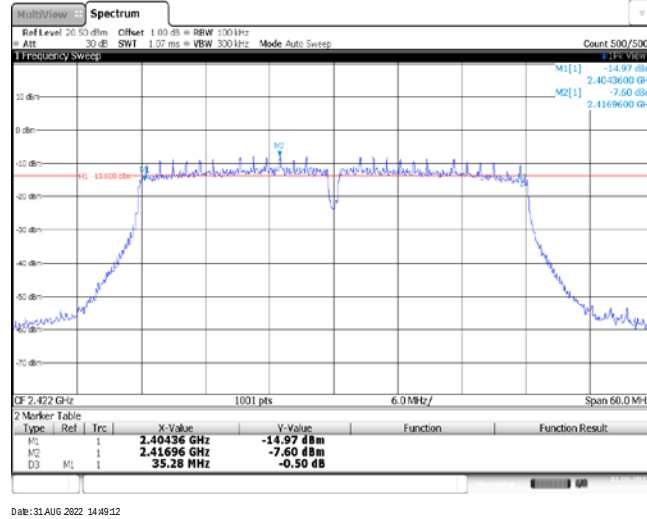


CH11

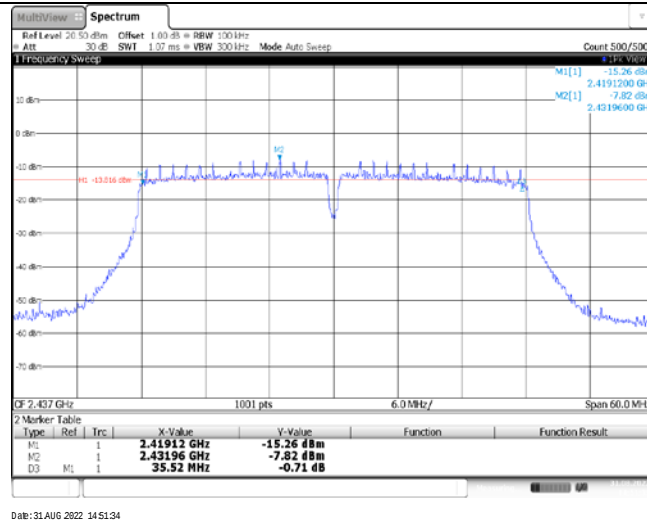


802.11n(HT40)

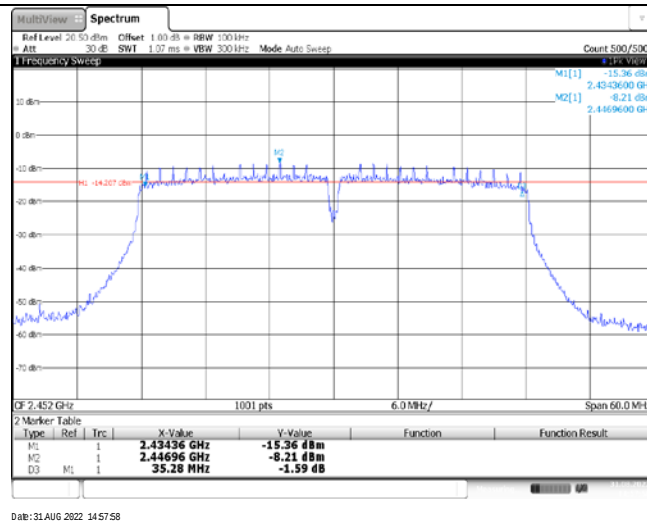
CH03



CH06



CH09

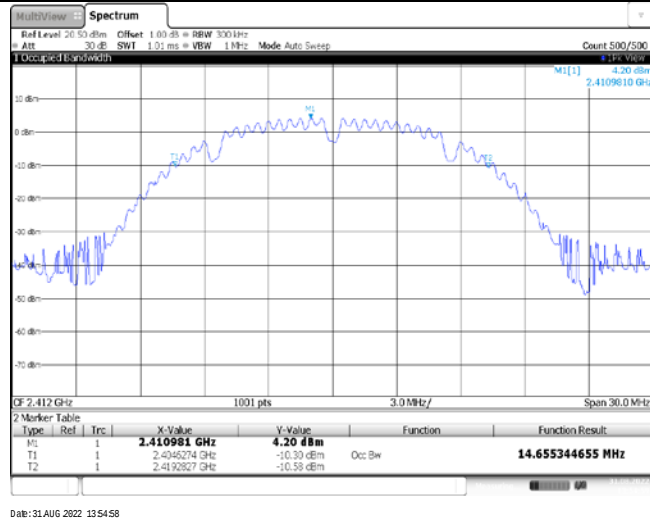


Appendix D: 99% Occupied Bandwidth

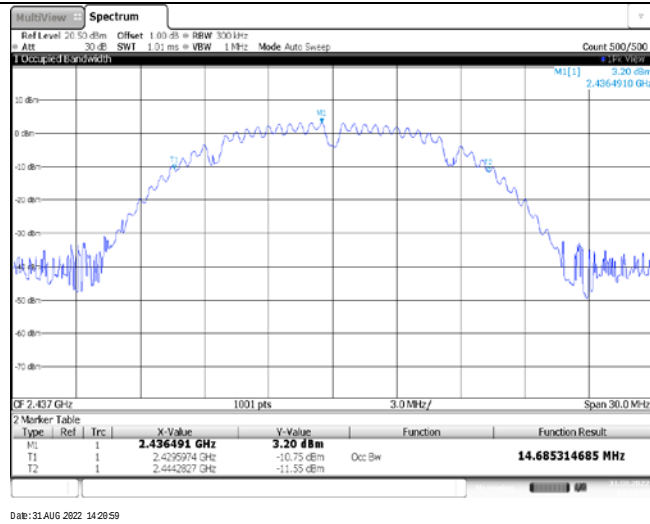
Type	Channel	99% Bandwidth (MHz)	Limit (kHz)	Result
802.11b	01	14.66	-	Pass
	06	14.69		
	11	14.69		
802.11g	01	16.60	-	Pass
	06	16.63		
	11	16.60		
802.11n(HT20)	01	17.74	-	Pass
	06	17.71		
	11	17.77		
802.11n(HT40)	03	36.20	-	Pass
	06	36.14		
	09	36.14		

802.11 b

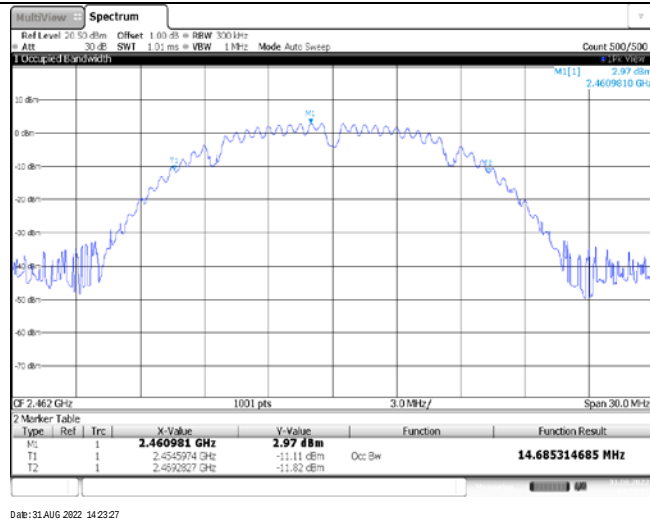
CH01



CH06

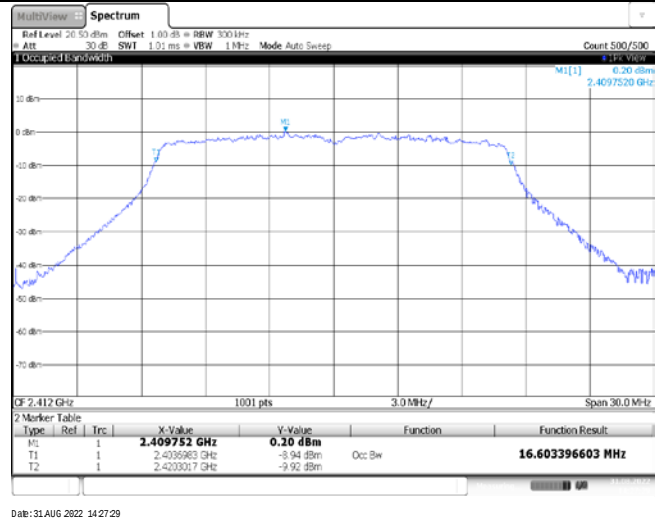


CH11

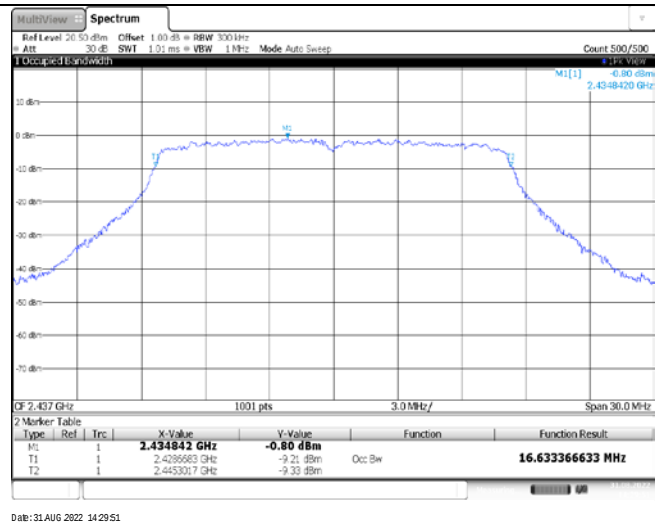


802.11 g

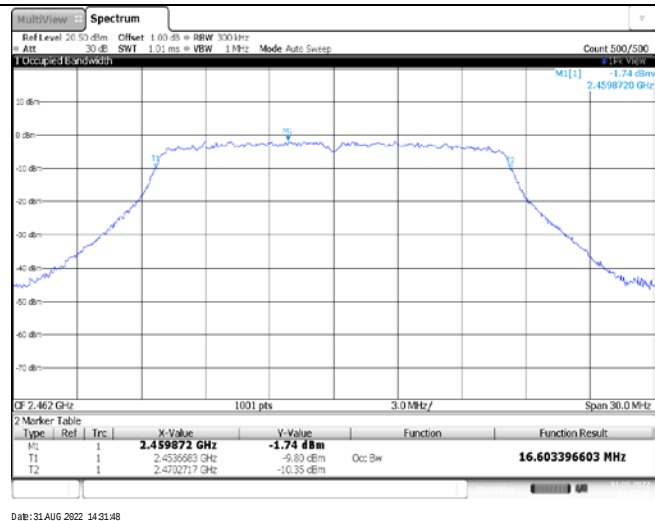
CH01



CH06

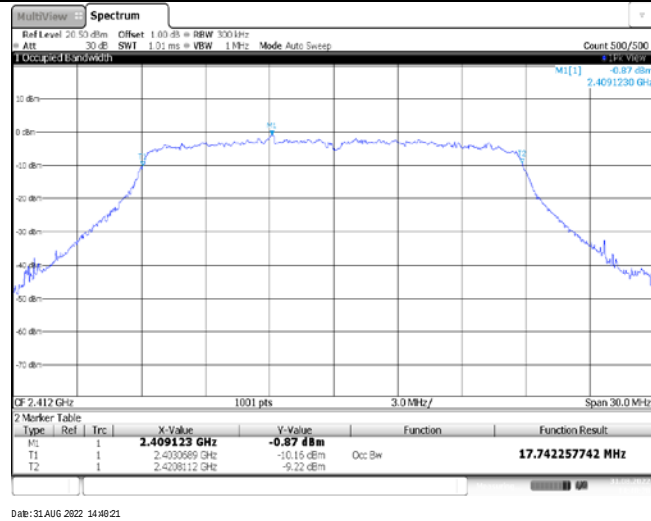


CH11

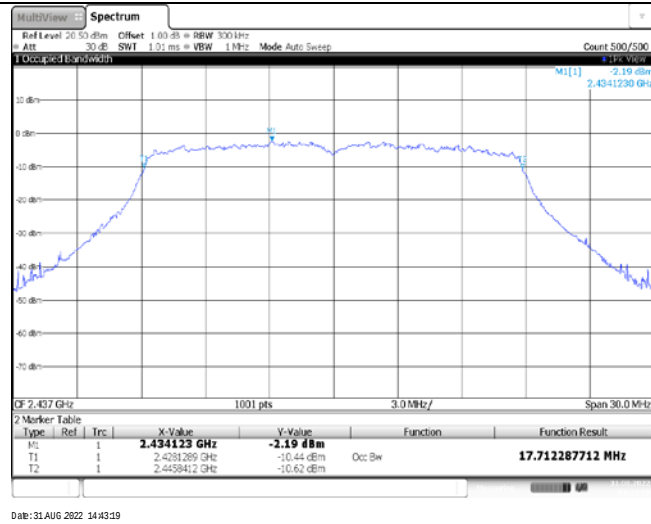


802.11n(HT20)

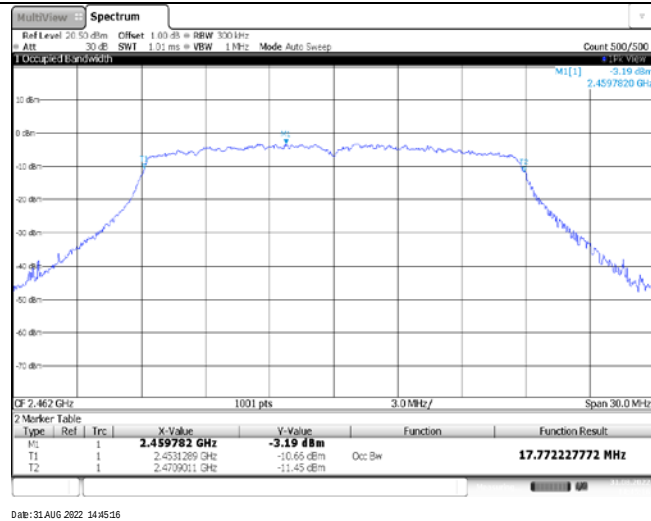
CH01



CH06

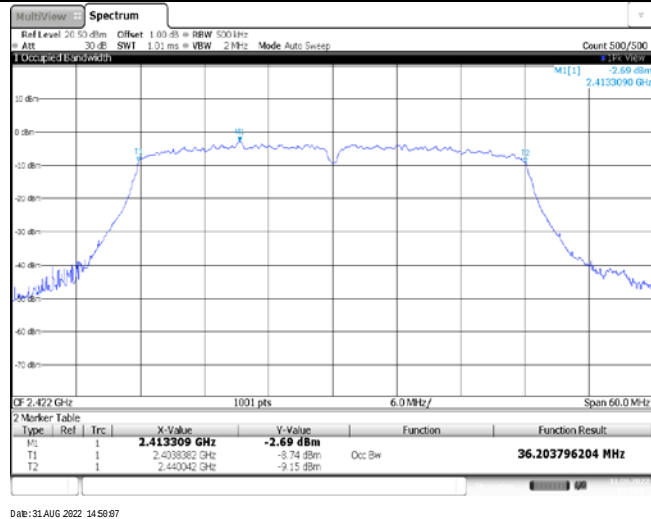


CH11

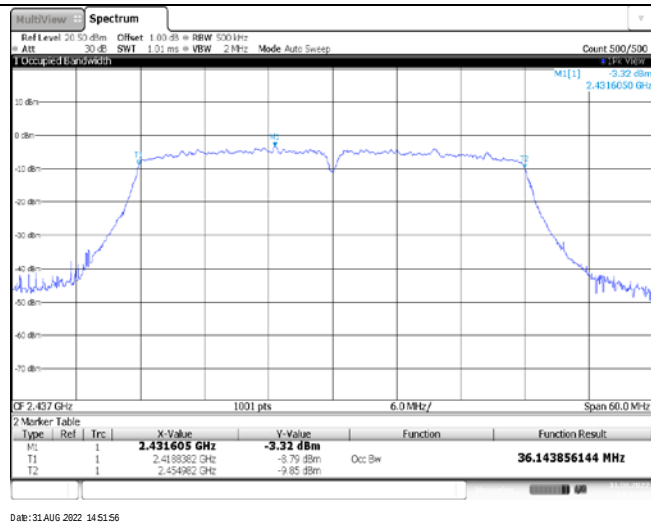


802.11n(HT40)

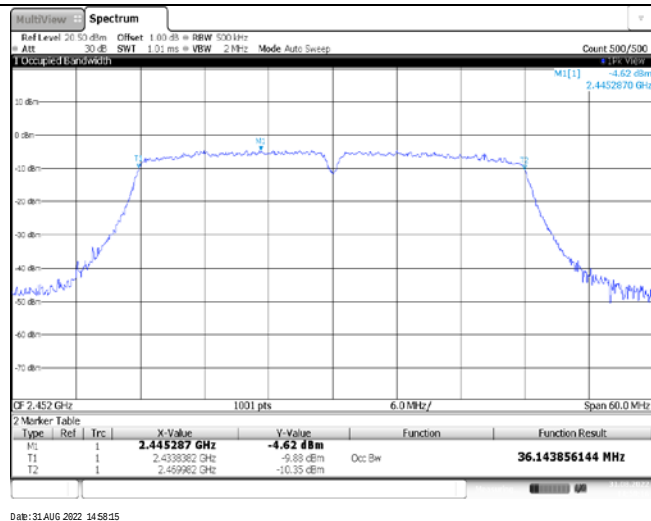
CH03



CH06



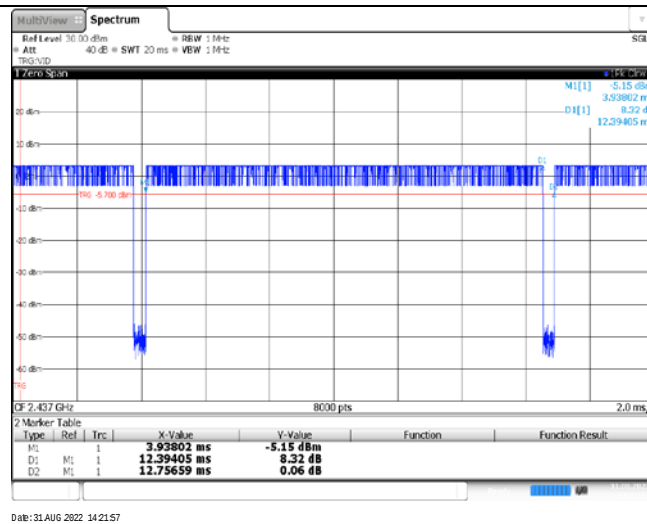
CH09



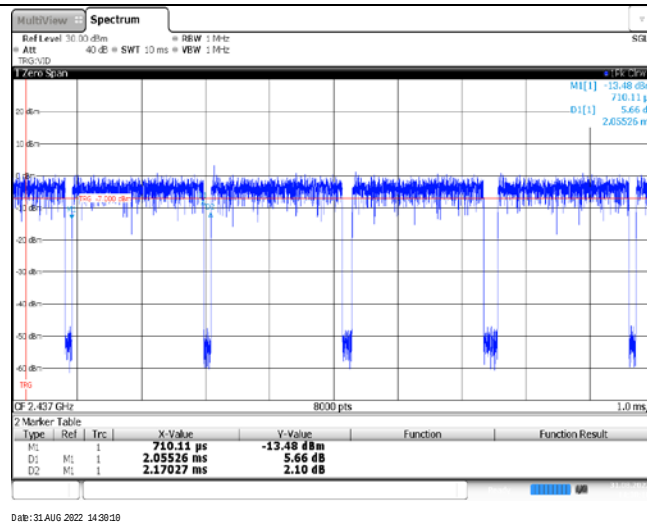
Appendix E: Duty Cycle

Modulation Type	Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
11b	2437	12.39	12.76	97.1%	0.1
11g	2437	2.06	2.17	94.9%	0.5
11n20	2437	1.91	2.05	93.2%	0.5
11n40	2437	0.91	1.06	85.8%	1.1

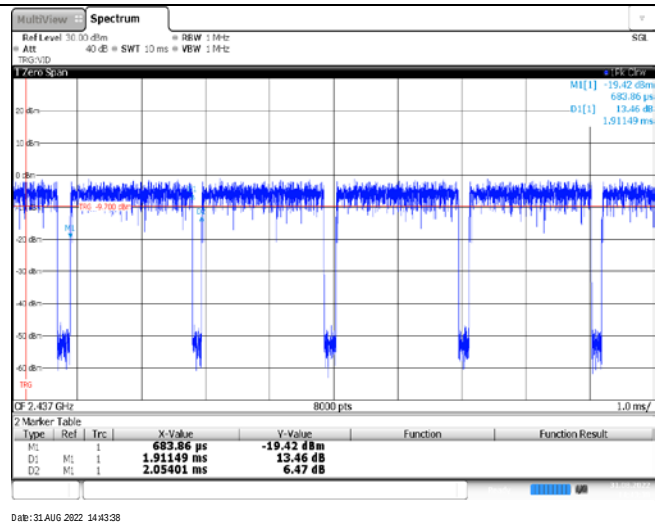
11b



11g

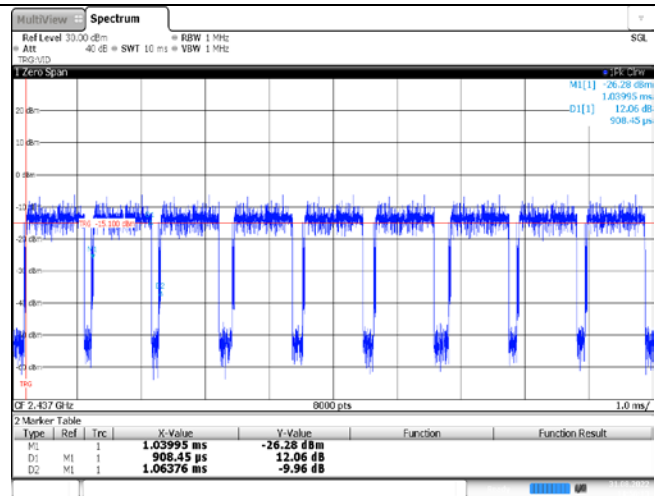


11n20



Date: 31 AUG 2022 14:43:38

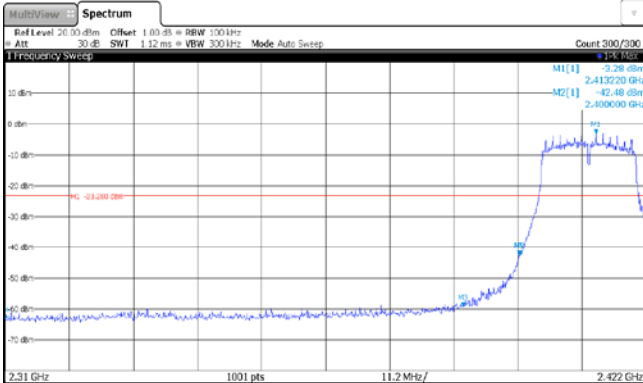
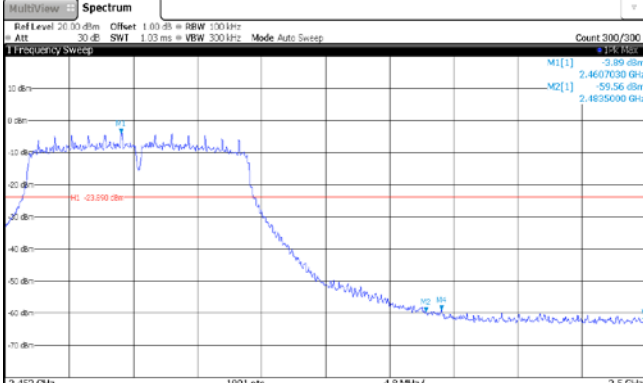
11n40



Date: 31 AUG 2022 14:56:13

Appendix F: Band Edge and Spurious Emissions (Conducted)

Test Item:	Bandedge	802.11 b	Antenna 0
CH01			

Test Item:	Bandedge	802.11 g	Antenna 0																																										
CH01	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 100 kHz SWT 1.12 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1 Frequency Sweep M1[1] -3.28 dBm 2.413220 GHz M2[1] -42.48 dBm 2.400000 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>2.413221 GHz</td><td>-3.28 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-42.48 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-59.27 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-62.41 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399624 GHz</td><td>-42.48 dBm</td><td></td><td></td></tr></table> Date:31 AUG 2022 14:27:45			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.413221 GHz	-3.28 dBm			M2	1		2.4 GHz	-42.48 dBm			M3	1		2.39 GHz	-59.27 dBm			M4	1		2.31 GHz	-62.41 dBm			M5	1		2.399624 GHz	-42.48 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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CH11	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 100 kHz SWT 1.03 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1 Frequency Sweep M1[1] -3.89 dBm 2.460703 GHz M2[1] -55.56 dBm 2.482500 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>2.460703 GHz</td><td>-3.89 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-59.56 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-61.74 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.484688 GHz</td><td>-58.87 dBm</td><td></td><td></td></tr></table> Date:31 AUG 2022 14:32:84			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.460703 GHz	-3.89 dBm			M2	1		2.4835 GHz	-59.56 dBm			M3	1		2.5 GHz	-61.74 dBm			M4	1		2.484688 GHz	-58.87 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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Test Item:	Bandedge	802.11 n(HT20)	Antenna 0																																										
CH01	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 100 kHz SWT 1.12 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1/1K RBW Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] -4.39 dBm 2.413220 GHz M2[1] -39.66 dBm 2.400000 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>2.41322 GHz</td><td>-4.39 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-39.66 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-59.98 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-62.21 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399824 GHz</td><td>-41.95 dBm</td><td></td><td></td></tr></table> Date:31 AUG 2022 14:48:37			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41322 GHz	-4.39 dBm			M2	1		2.4 GHz	-39.66 dBm			M3	1		2.39 GHz	-59.98 dBm			M4	1		2.31 GHz	-62.21 dBm			M5	1		2.399824 GHz	-41.95 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
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M5	1		2.399824 GHz	-41.95 dBm																																									
CH11	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 100 kHz SWT 1.03 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1/1K RBW Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] -5.42 dBm 2.4644920 GHz M2[1] -60.68 dBm 2.4825000 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>2.464492 GHz</td><td>-5.42 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-60.68 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-62.60 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.483632 GHz</td><td>-59.57 dBm</td><td></td><td></td></tr></table> Date:31 AUG 2022 14:45:32			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.464492 GHz	-5.42 dBm			M2	1		2.4835 GHz	-60.68 dBm			M3	1		2.5 GHz	-62.60 dBm			M4	1		2.483632 GHz	-59.57 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.464492 GHz	-5.42 dBm																																									
M2	1		2.4835 GHz	-60.68 dBm																																									
M3	1		2.5 GHz	-62.60 dBm																																									
M4	1		2.483632 GHz	-59.57 dBm																																									

Test Item:	Bandedge	802.11 n(HT40)	Antenna 0																																										
CH03	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SW 1.32 ms VBW 300 kHz Mode Auto Sweep Count 200/200 1 Frequency Sweep 10 dB 0 dB -10 dB -20 dB -30 dB -40 dB -50 dB -60 dB M1 2.41688 GHz -7.80 dBm M2 2.41688 GHz -46.83 dBm M3 2.40000 GHz -46.83 dBm 2.31 GHz 1001 pts 13.2 MHz 2.442 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>2.41688 GHz</td><td>-7.80 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-46.83 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-58.05 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-62.84 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399892 GHz</td><td>-46.97 dBm</td><td></td><td></td></tr></table> Date: 31 AUG 2022 14:58:23			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41688 GHz	-7.80 dBm			M2	1		2.4 GHz	-46.83 dBm			M3	1		2.39 GHz	-58.05 dBm			M4	1		2.31 GHz	-62.84 dBm			M5	1		2.399892 GHz	-46.97 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41688 GHz	-7.80 dBm																																									
M2	1		2.4 GHz	-46.83 dBm																																									
M3	1		2.39 GHz	-58.05 dBm																																									
M4	1		2.31 GHz	-62.84 dBm																																									
M5	1		2.399892 GHz	-46.97 dBm																																									
CH09	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB BW 100 kHz Att 30 dB SW 1.1 ms VBW 300 kHz Mode Auto Sweep Count 200/200 1 Frequency Sweep 10 dB 0 dB -10 dB -20 dB -30 dB -40 dB -50 dB -60 dB M1 2.446979 GHz -8.20 dBm M2 2.446979 GHz -57.85 dBm M3 2.482500 GHz -57.85 dBm 2.432 GHz 1001 pts 6.9 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>2.446979 GHz</td><td>-8.20 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-57.85 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-61.53 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.48572 GHz</td><td>-57.14 dBm</td><td></td><td></td></tr></table> Date: 31 AUG 2022 14:58:32			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.446979 GHz	-8.20 dBm			M2	1		2.4835 GHz	-57.85 dBm			M3	1		2.5 GHz	-61.53 dBm			M4	1		2.48572 GHz	-57.14 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.446979 GHz	-8.20 dBm																																									
M2	1		2.4835 GHz	-57.85 dBm																																									
M3	1		2.5 GHz	-61.53 dBm																																									
M4	1		2.48572 GHz	-57.14 dBm																																									

Test Item:	Bandedge	802.11 g	Antenna 1																																										
CH01	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWI 1.12 ms = VBW 300 kHz Mode Auto Sweep Count 300/300 1 Frequency Sweep M1[1] -61.1 dBm 2.414450 GHz M2[1] -45.42 dBm 2.400000 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>2.41445 GHz</td><td>-61.1 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-45.42 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-61.74 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-63.36 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399936 GHz</td><td>-44.63 dBm</td><td></td><td></td></tr></table> Date: 31 AUG 2022 15:16:39			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.41445 GHz	-61.1 dBm			M2	1		2.4 GHz	-45.42 dBm			M3	1		2.39 GHz	-61.74 dBm			M4	1		2.31 GHz	-63.36 dBm			M5	1		2.399936 GHz	-44.63 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.41445 GHz	-61.1 dBm																																									
M2	1		2.4 GHz	-45.42 dBm																																									
M3	1		2.39 GHz	-61.74 dBm																																									
M4	1		2.31 GHz	-63.36 dBm																																									
M5	1		2.399936 GHz	-44.63 dBm																																									
CH11	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWI 1.03 ms = VBW 300 kHz Mode Auto Sweep Count 300/300 1 Frequency Sweep M1[1] -60.43 dBm 2.460703 GHz M2[1] -60.20 dBm 2.482500 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>2.460703 GHz</td><td>-60.43 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4835 GHz</td><td>-60.20 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.5 GHz</td><td>-62.78 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.483536 GHz</td><td>-60.02 dBm</td><td></td><td></td></tr></table> Date: 31 AUG 2022 15:19:59			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.460703 GHz	-60.43 dBm			M2	1		2.4835 GHz	-60.20 dBm			M3	1		2.5 GHz	-62.78 dBm			M4	1		2.483536 GHz	-60.02 dBm									
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																							
M1	1		2.460703 GHz	-60.43 dBm																																									
M2	1		2.4835 GHz	-60.20 dBm																																									
M3	1		2.5 GHz	-62.78 dBm																																									
M4	1		2.483536 GHz	-60.02 dBm																																									

Test Item:	Bandedge	802.11 n(HT20)	Antenna 1
CH01			

Test Item:

CH03

CH09

Bandedge

802.11 n(HT40)

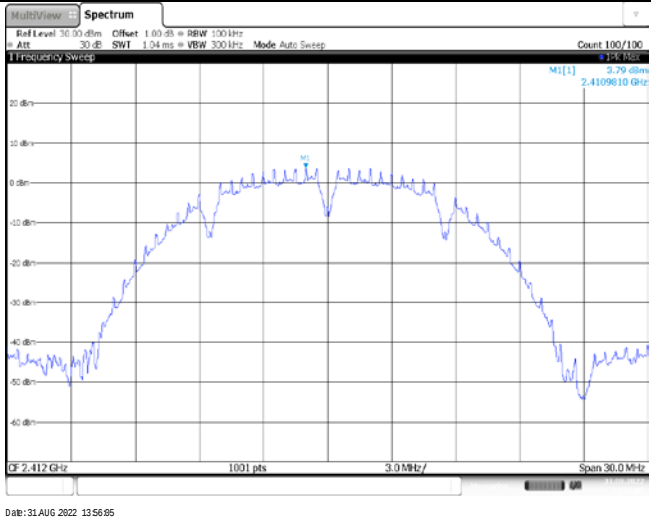
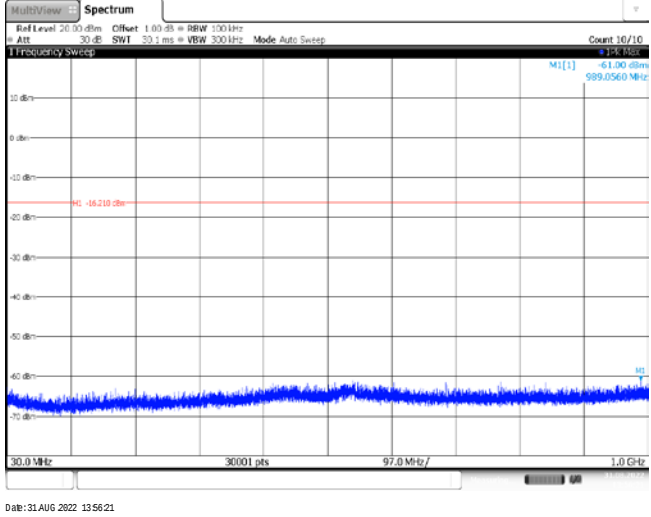
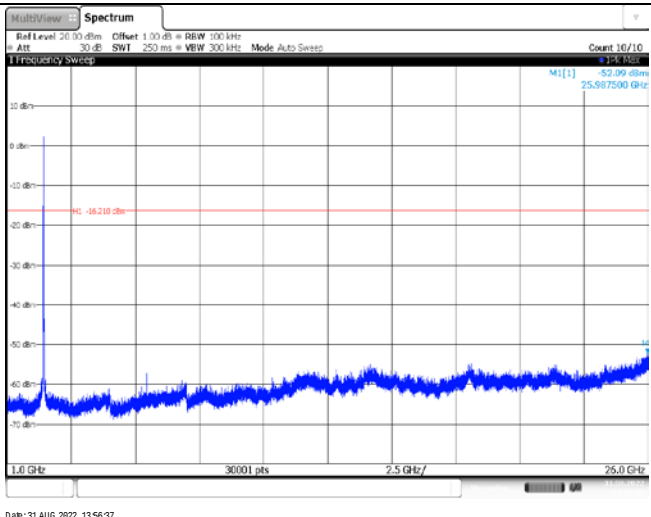
Antenna 1

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.41688 GHz	-10.38 dBm		
M2	1		2.4 GHz	-49.63 dBm		
M3	1		2.39 GHz	-60.38 dBm		
M4	1		2.31 GHz	-63.07 dBm		
M5	1		2.399692 GHz	-50.70 dBm		

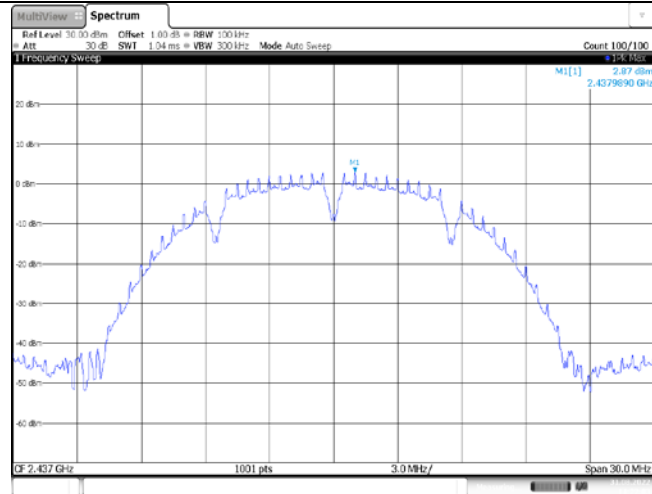
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Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.446979 GHz	-10.57 dBm		
M2	1		2.48335 GHz	-60.58 dBm		
M3	1		2.5 GHz	-61.95 dBm		
M4	1		2.489052 GHz	-59.86 dBm		

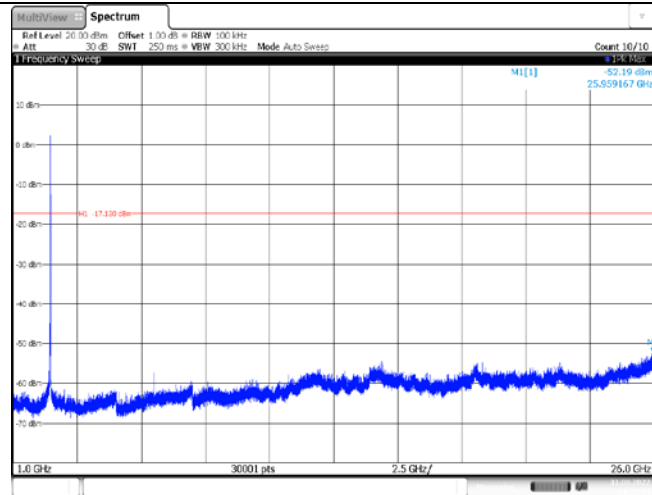
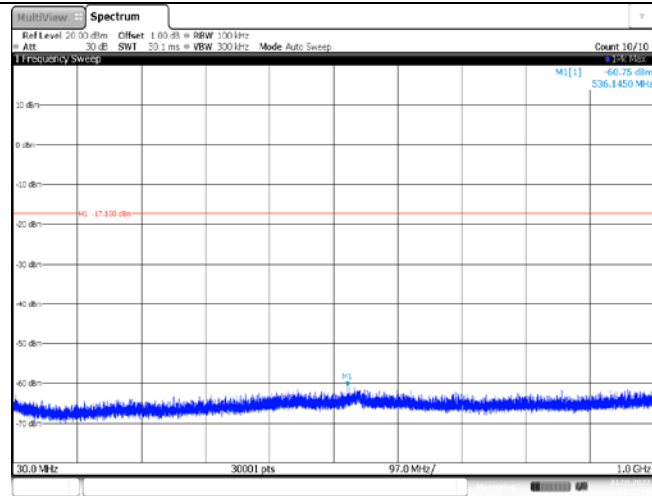
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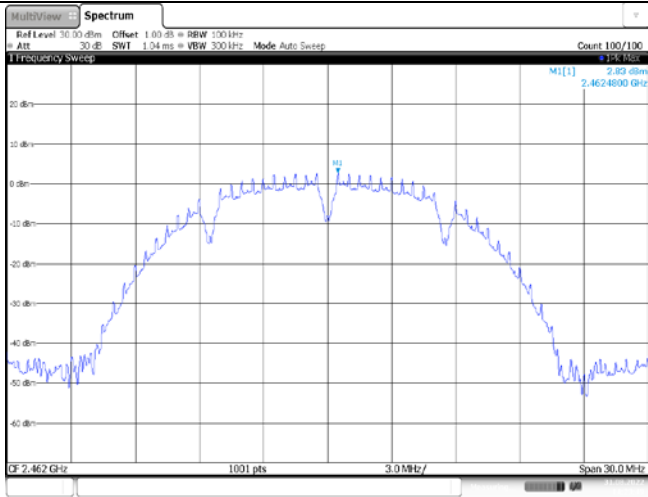
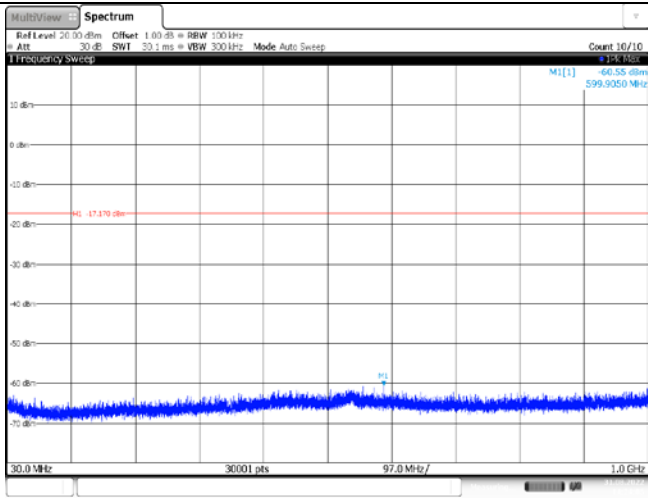
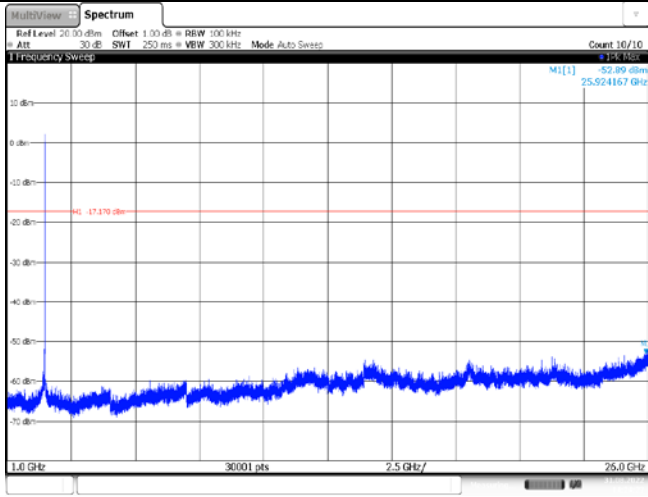
Test Item:	SE	802.11 b	Antenna 0
Reference level CH01			
CH01			
			

Reference level CH06

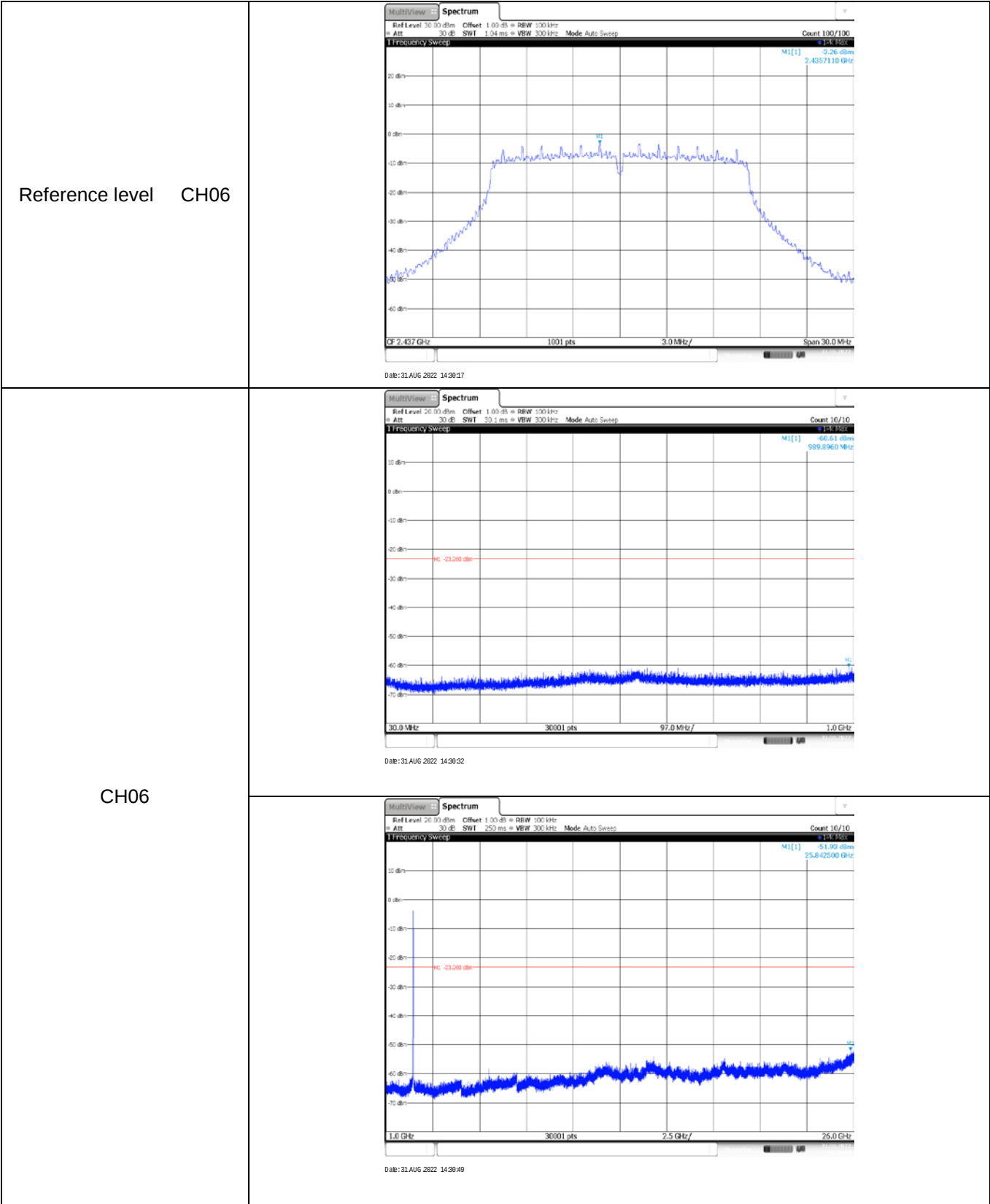


CH06

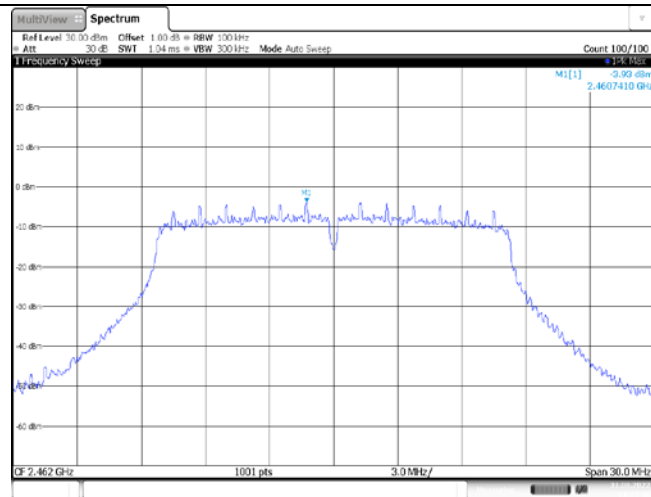


Reference level CH11	 Count: 100/100 2.462 GHz 2.4624800 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 31 AUG 2022 14:23:59
CH11	 Count: 10/10 599.9050 MHz 599.9050 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 31 AUG 2022 14:24:06
	 Count: 10/10 25.924167 GHz 25.924167 GHz 30001 pts 2.5 GHz/ 25.0 GHz Date: 31 AUG 2022 14:24:22

Test Item:	SE	802.11 g	Antenna 0
Reference level CH01			
CH01			

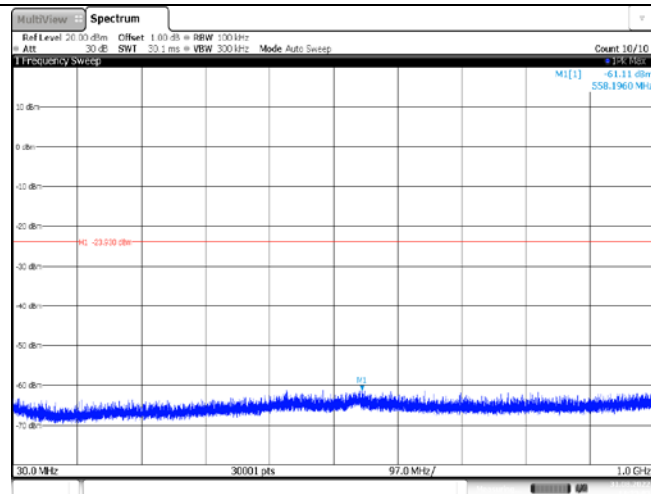


Reference level CH11

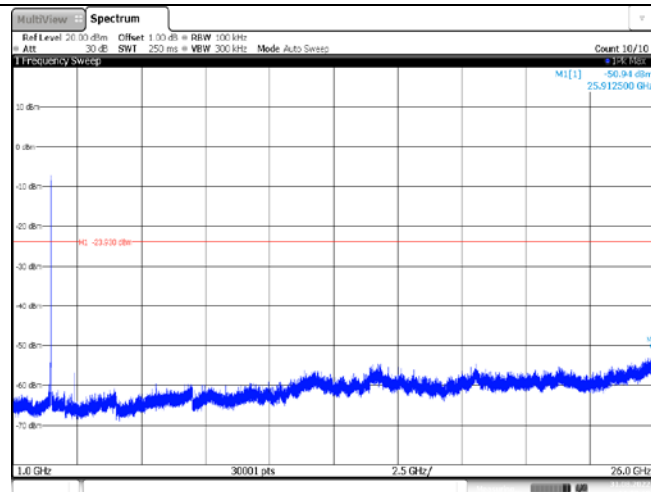


Date: 31 AUG 2022 14:32:47

CH11

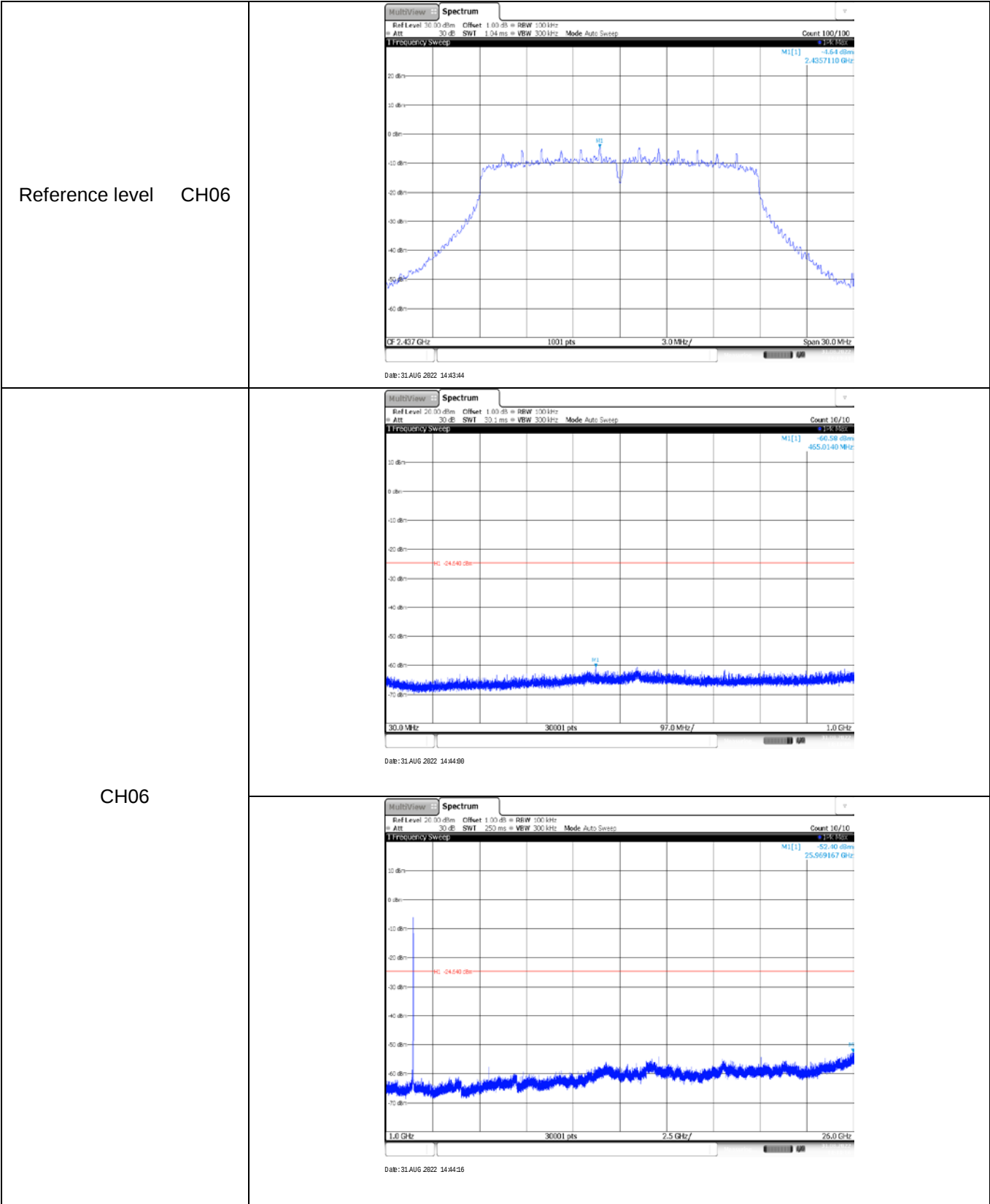


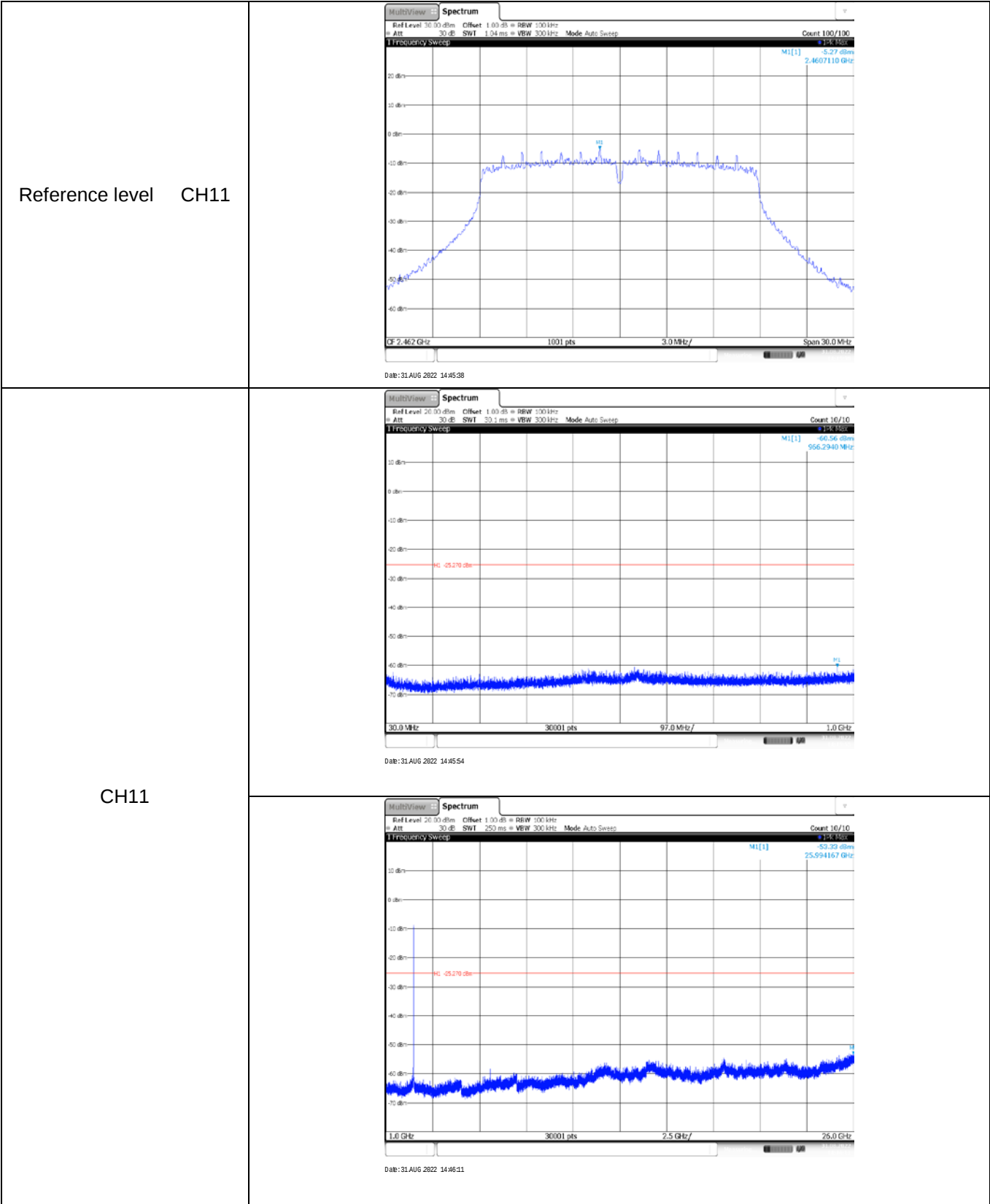
Date: 31 AUG 2022 14:33:03

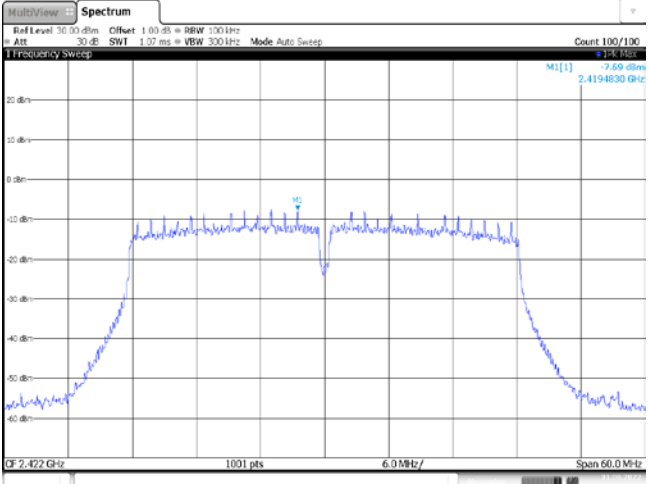
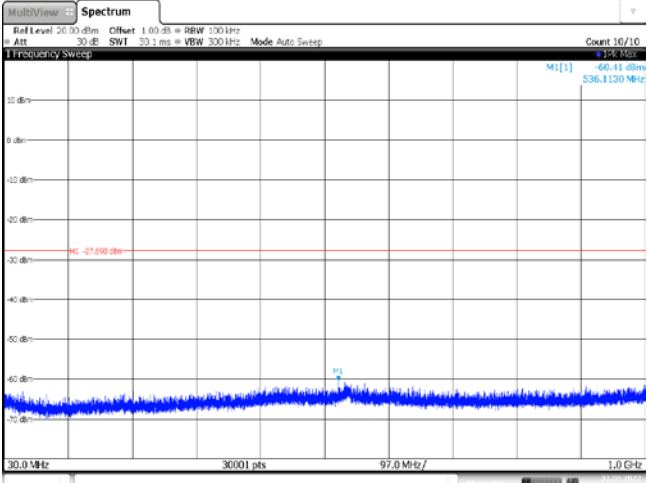
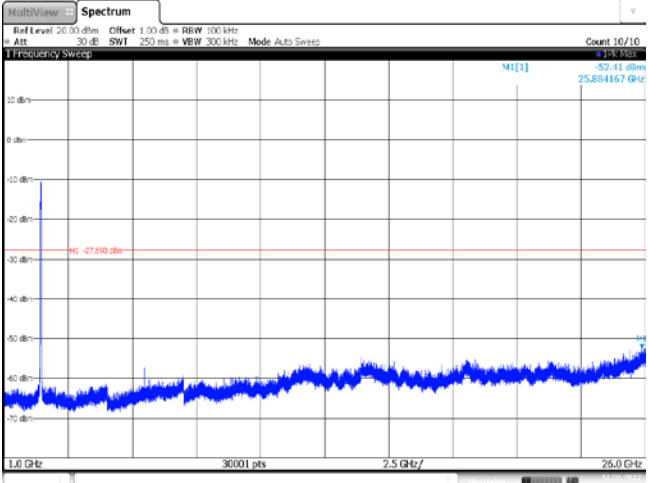


Date: 31 AUG 2022 14:33:19

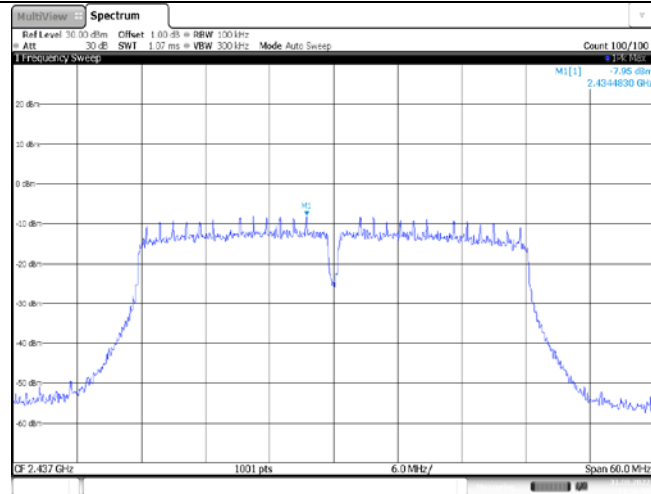
Test Item:	SE	802.11 n(HT20)	Antenna 0
Reference level CH01	MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB = RBW 100 kHz = Att 30 dB SWI 1.04 ms = VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz MU[1] -4.20 dBm 2.4107110 GHz Date:31 AUG 2022 14:42:85		
	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 100 kHz = Att 30 dB SWI 33.1 ms = VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz MU[1] -59.54 dBm 619.8860 MHz Date:31 AUG 2022 14:42:21		
CH01	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 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm 1.6 GHz 30001 pts 2.5 GHz/ 26.0 GHz MU[1] -52.37 dBm 25.990000 GHz Date:31 AUG 2022 14:42:37		





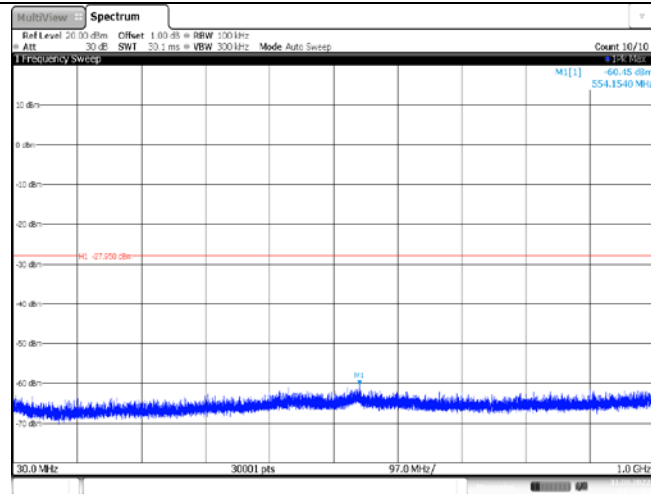
Test Item:	SE	802.11 n(HT40)	Antenna 0
Reference levelCH03	 MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWF 1.07 ms = VBW 300 kHz Mode Auto Sweep Count 100/100 Frequency Sweep M1[1] -7.69 dBm 2.4194830 GHz 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm CF 2.422 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 31 AUG 2022 14:58:38		
	 MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWF 33.1 ms = VBW 300 kHz Mode Auto Sweep Count 10/10 Frequency Sweep M1[1] -66.41 dBm 536.1130 MHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 31 AUG 2022 14:58:46		
CH03	 MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWF 250 ms = VBW 300 kHz Mode Auto Sweep Count 10/10 Frequency Sweep M1[1] -52.41 dBm 25.884167 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 31 AUG 2022 14:51:02		

Reference level CH06

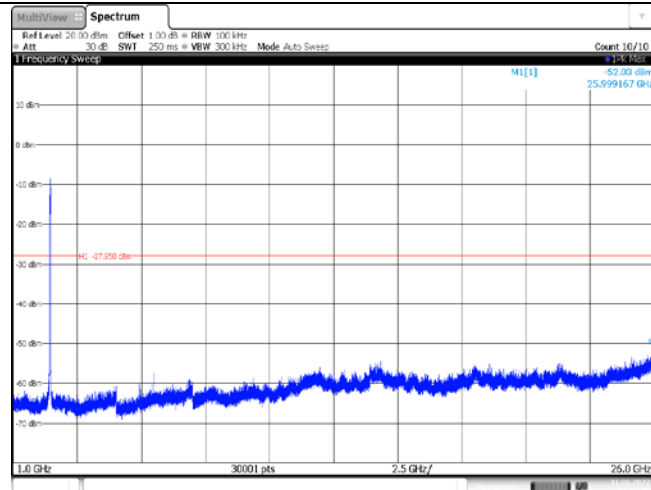


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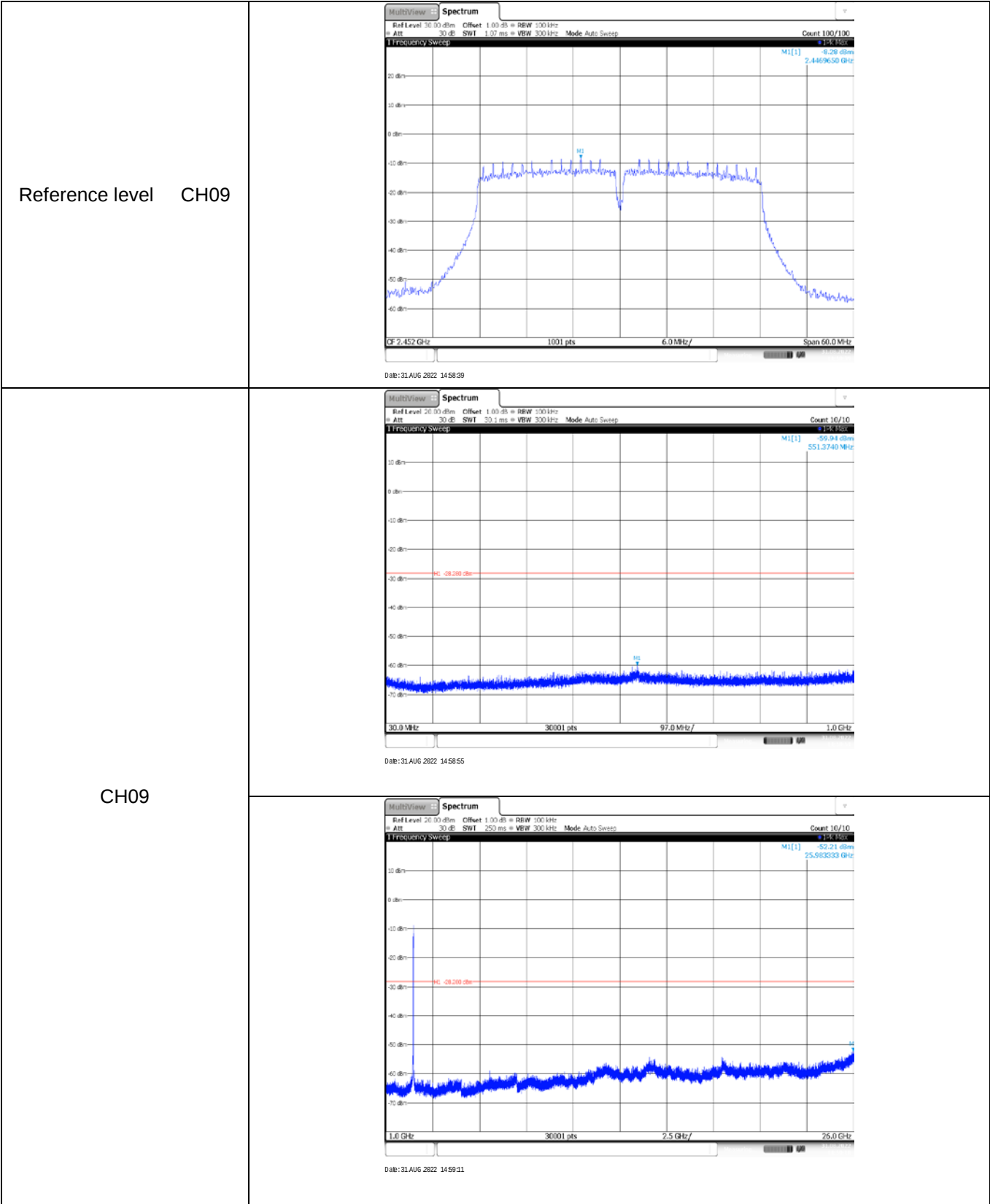
CH06

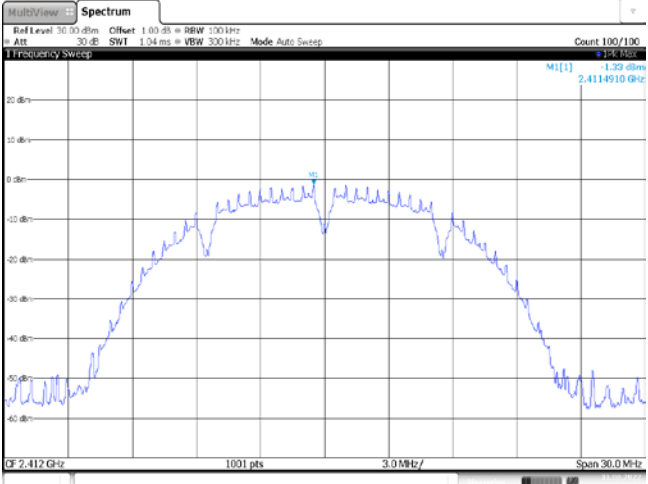
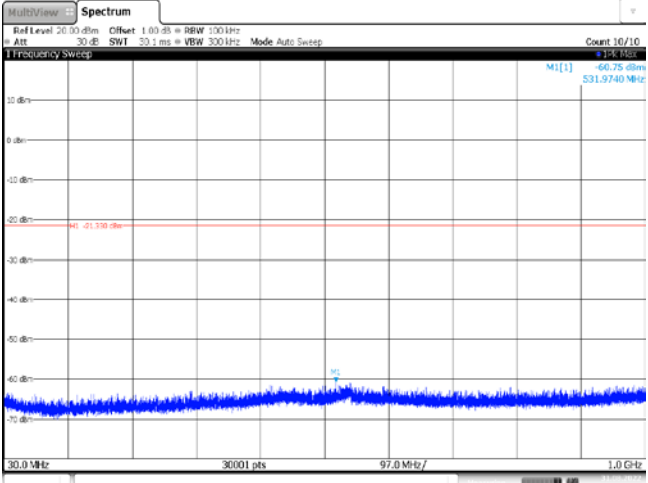
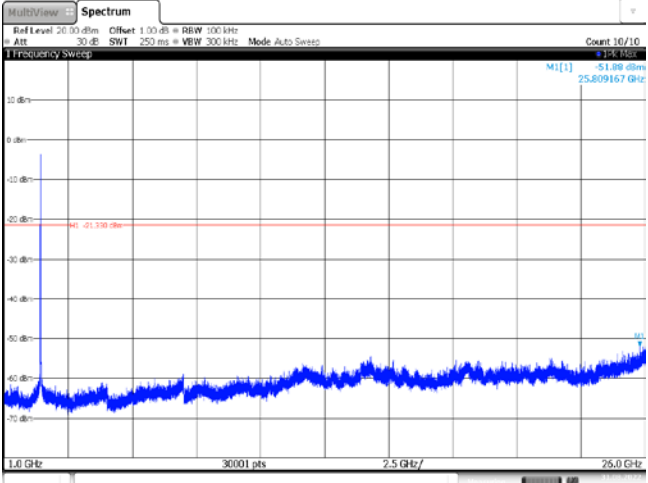


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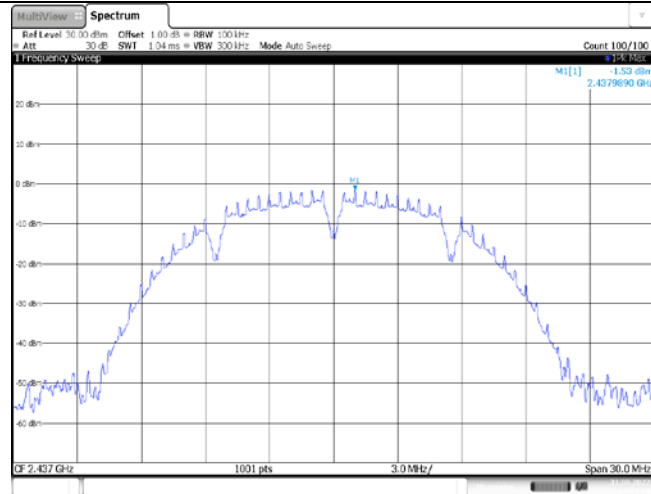


Date:31 AUG 2022 14:57:22



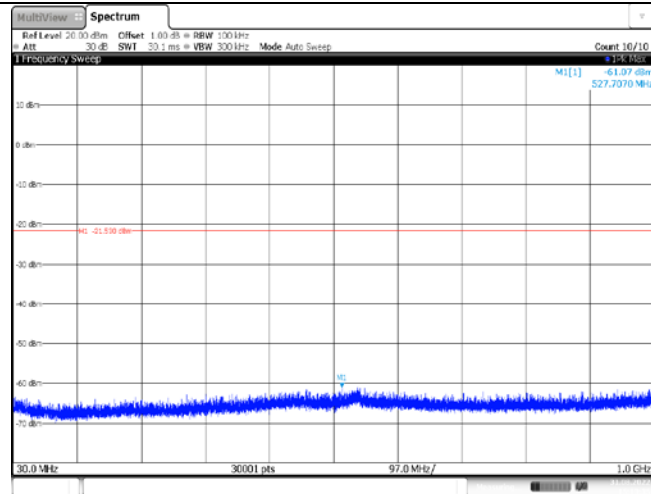
Test Item:	SE	802.11 b	Antenna 1
Reference level CH01			
	Date: 31 AUG 2022 15:11:88		
CH01			
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CH01			
	Date: 31 AUG 2022 15:11:41		

Reference level CH06

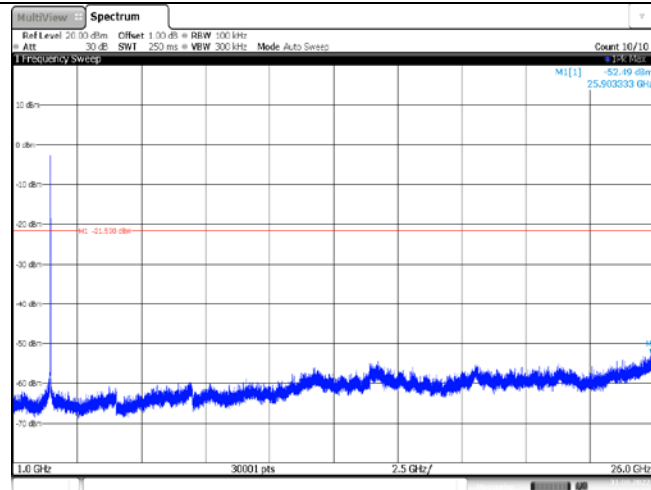


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CH06

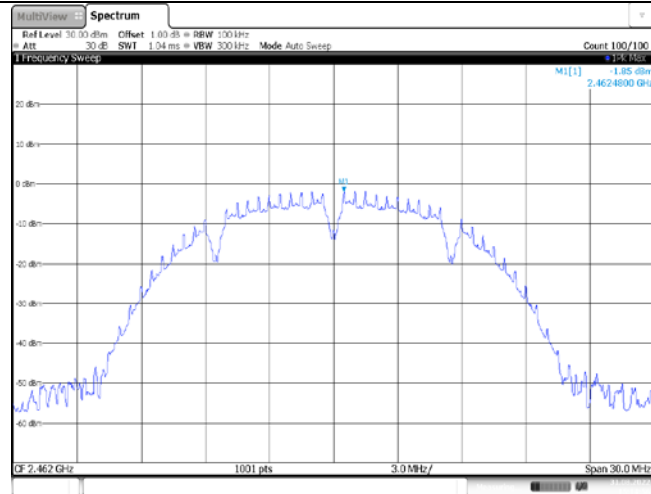


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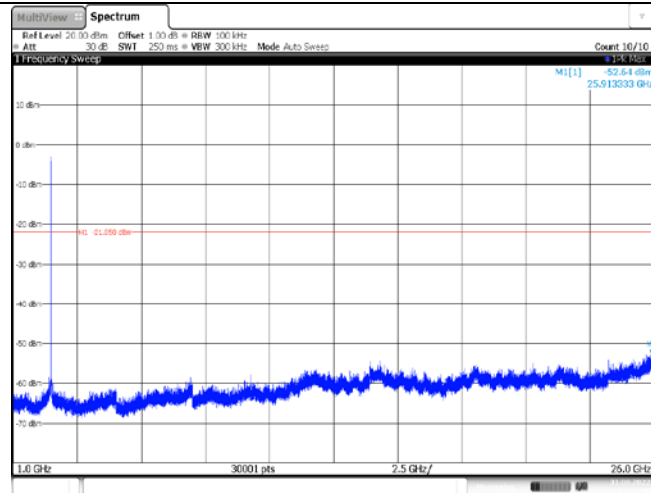
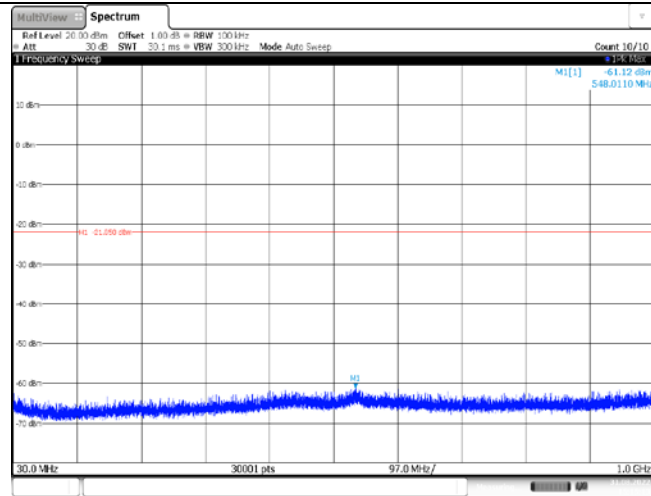


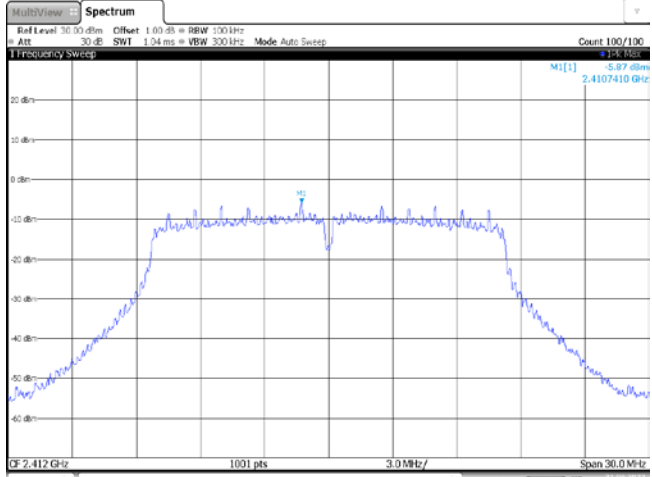
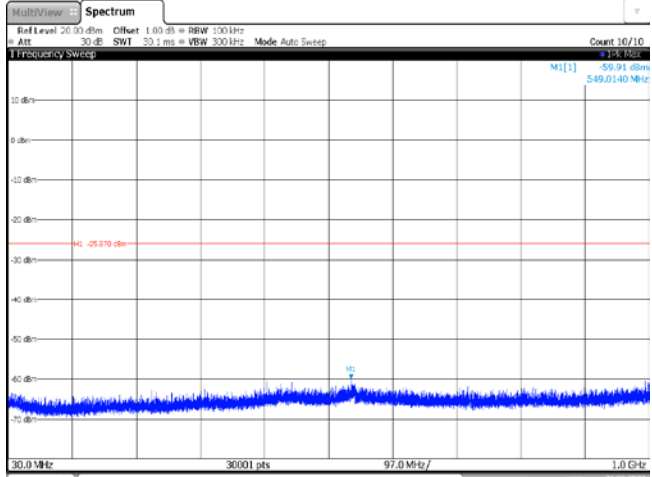
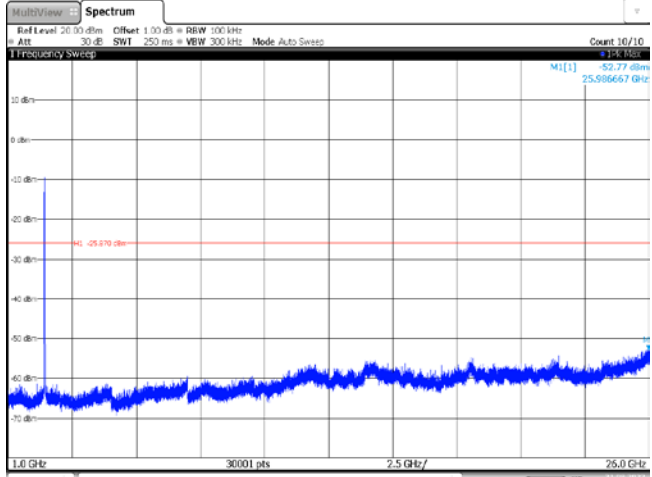
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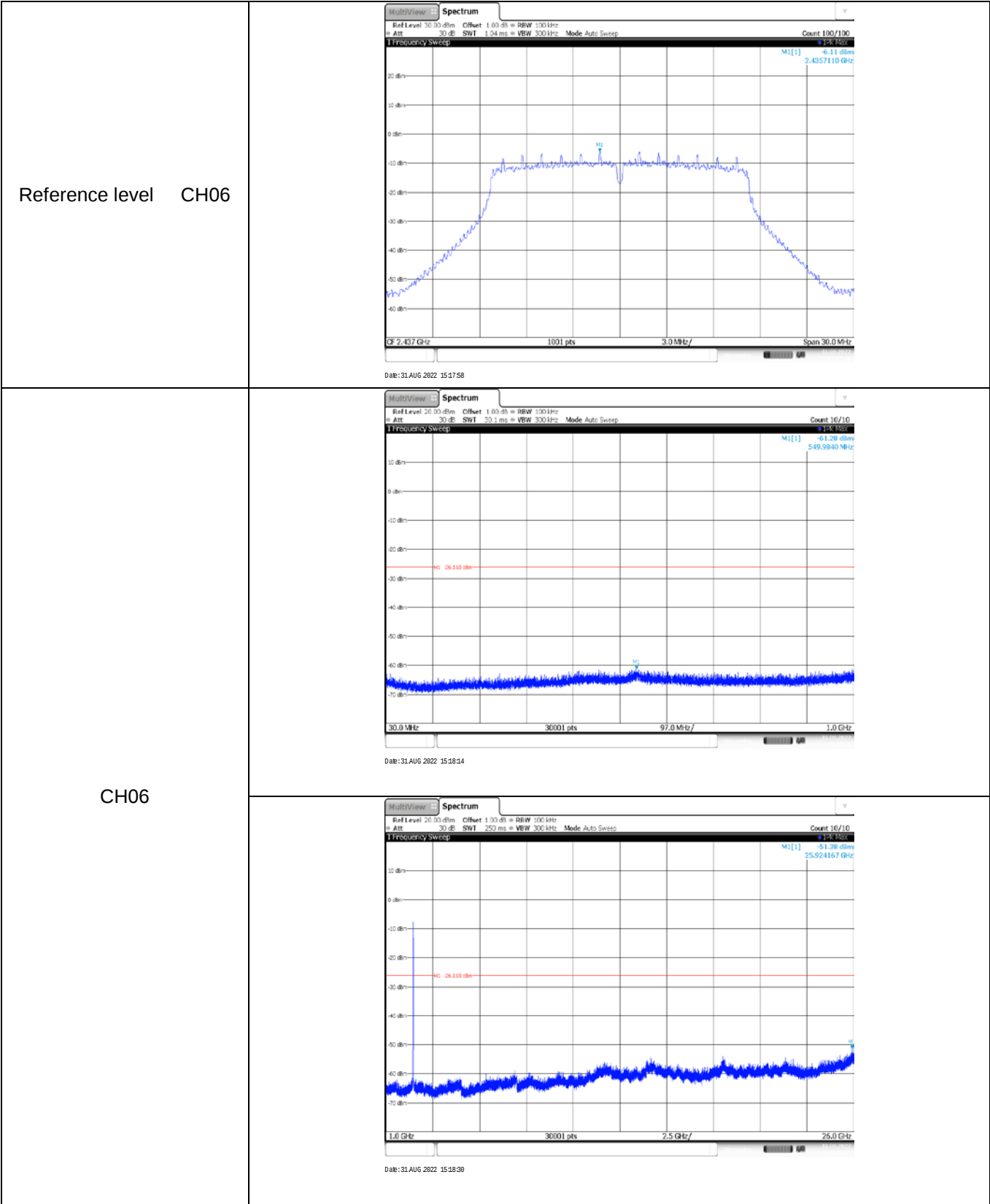
Reference level CH11



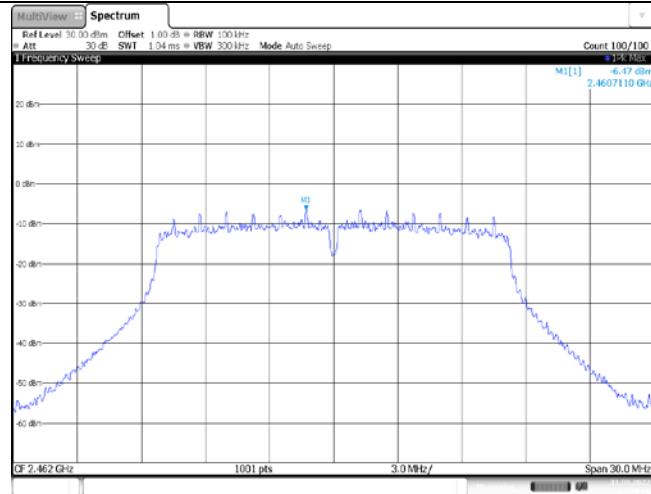
CH11



Test Item:	SE	802.11 g	Antenna 1
Reference level CH01	 MultiView Spectrum Ref Level 30.00 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWF 1.04 ms = VBW 300 kHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M[1] -5.87 dBm 2.4107410 GHz CF 2.412 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 31 AUG 2022 15:16:46		
CH01	 MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWF 33.1 ms = VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M[1] -59.91 dBm 5.49.0140 MHz 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 31 AUG 2022 15:17:02		
	 MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWF 250 ms = VBW 300 kHz Mode Auto Sweep Count 10/10 1 Frequency Sweep M[1] -52.77 dBm 25.986667 GHz 1.6 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 31 AUG 2022 15:17:18		

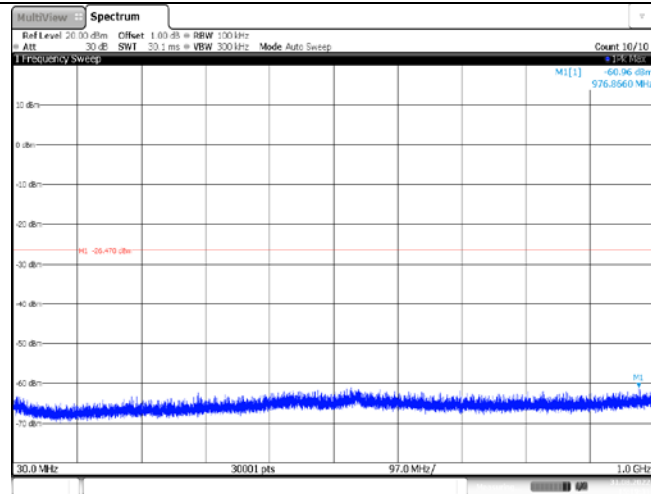


Reference level CH11

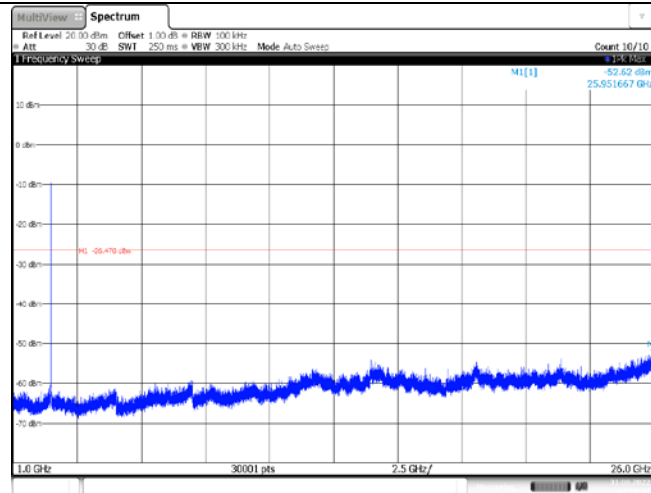


Date: 31 AUG 2022 15:49:15

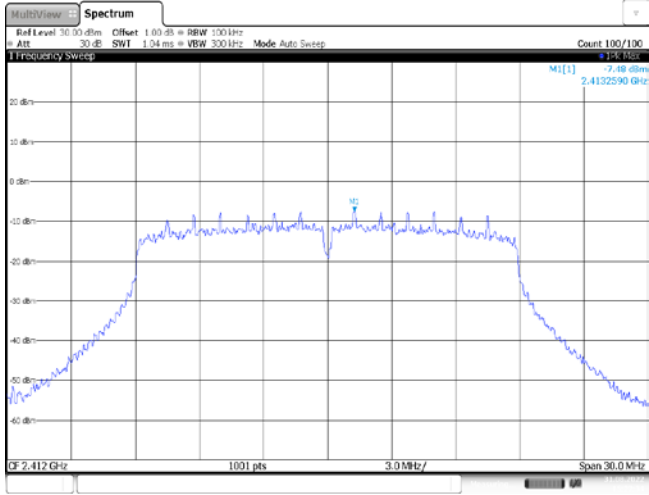
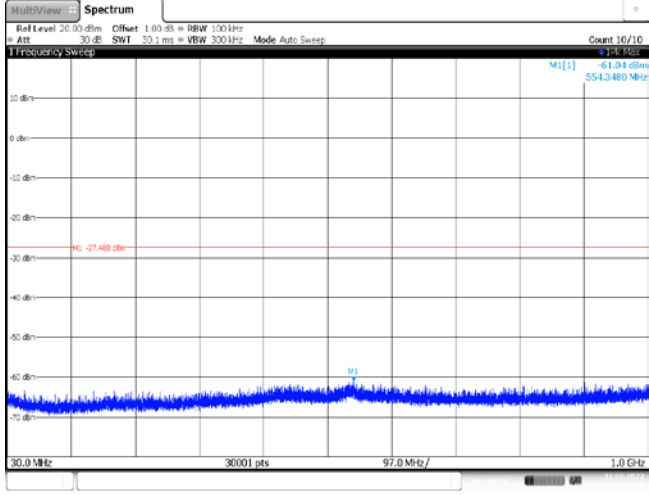
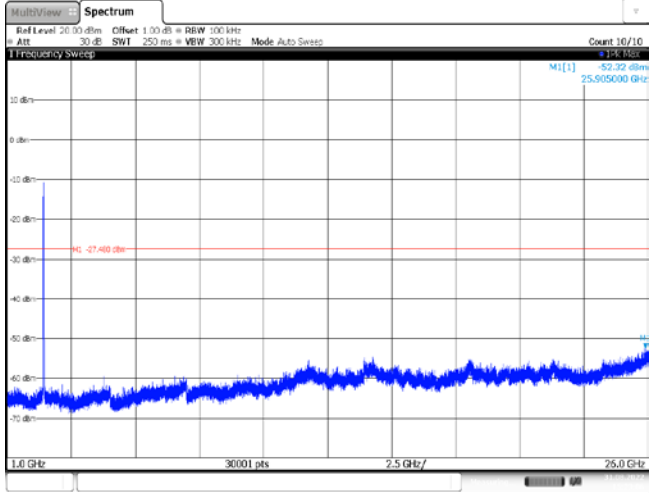
CH11

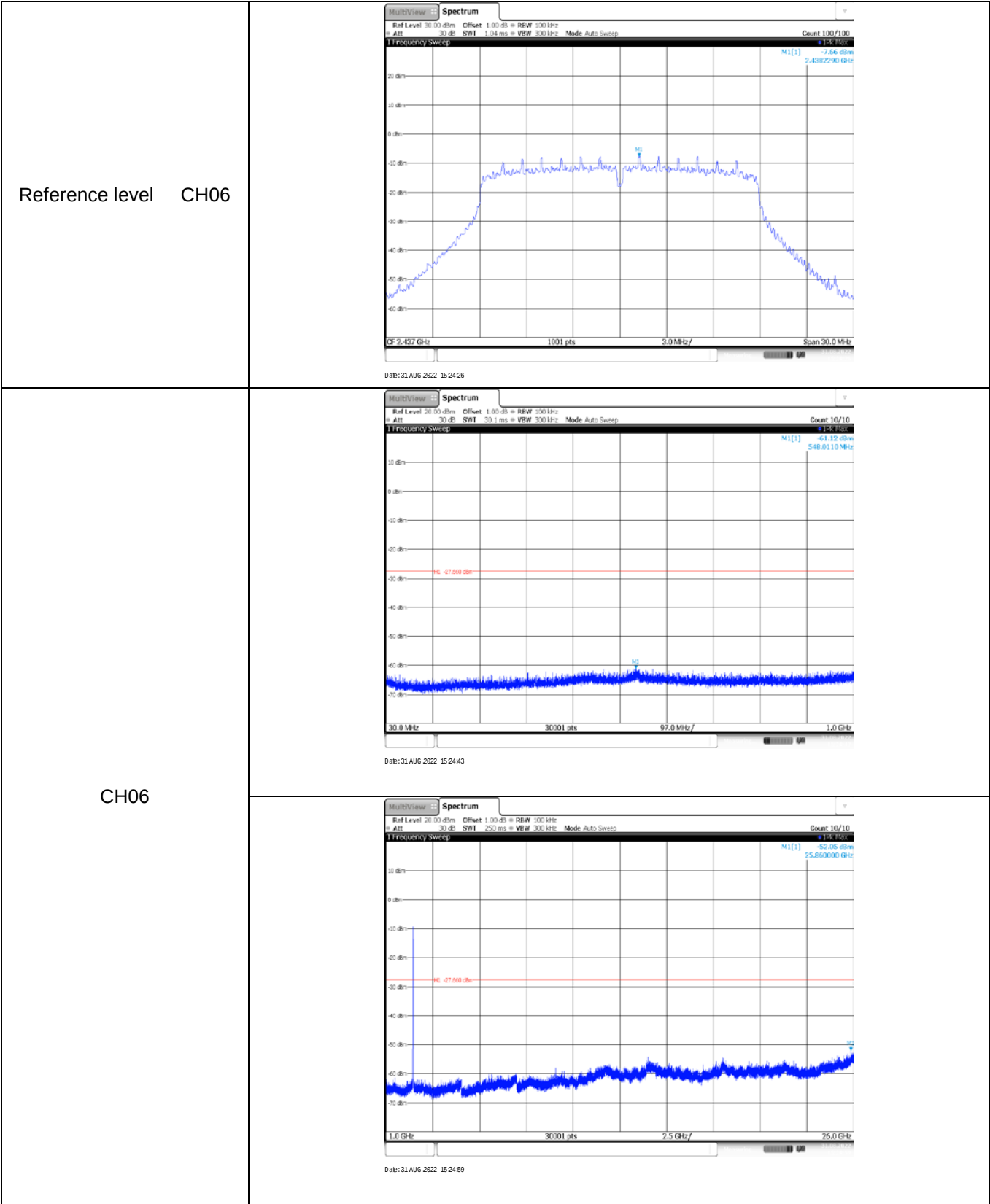


Date: 31 AUG 2022 15:49:31

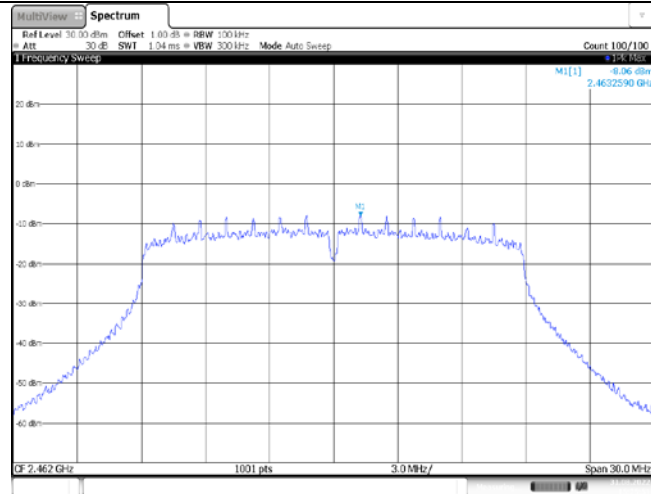


Date: 31 AUG 2022 15:49:47

Test Item:	SE	802.11 n(HT20)	Antenna 1
Reference level CH01	 Date: 31 AUG 2022 15:22:34		
CH01	 Date: 31 AUG 2022 15:22:50		
	 Date: 31 AUG 2022 15:23:06		

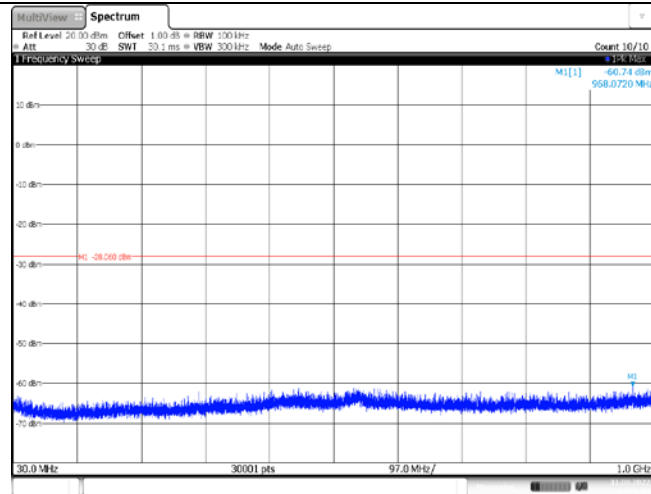


Reference level CH11

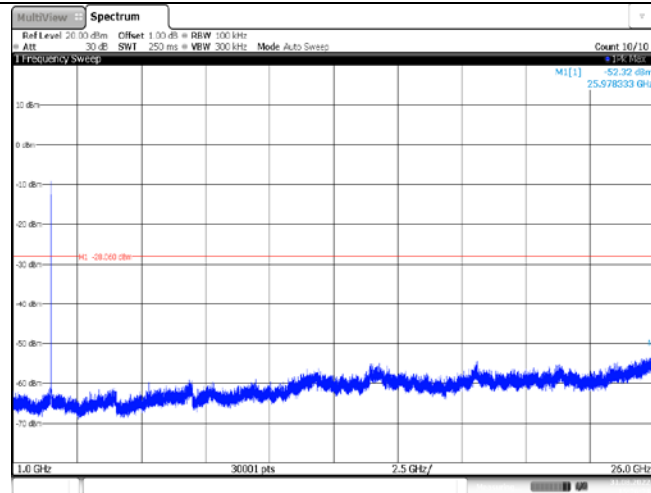


Date: 31 AUG 2022 15:25:52

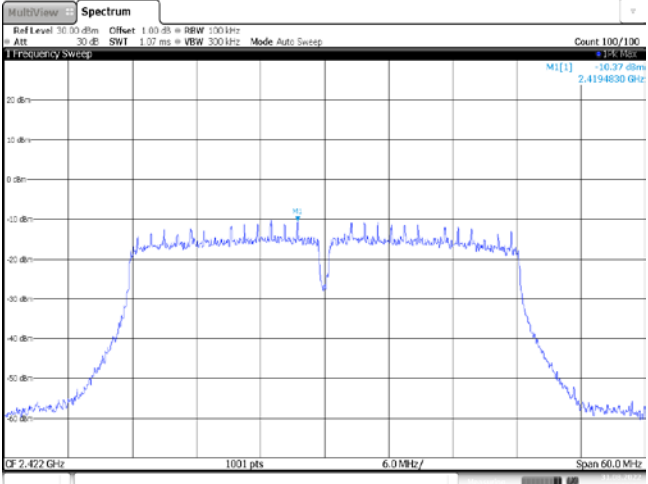
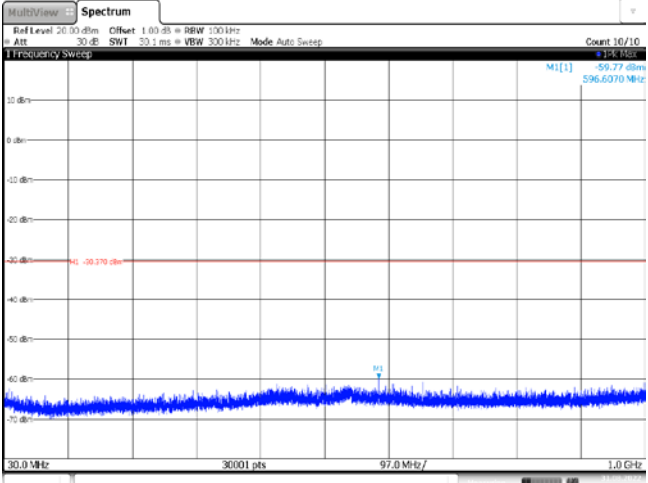
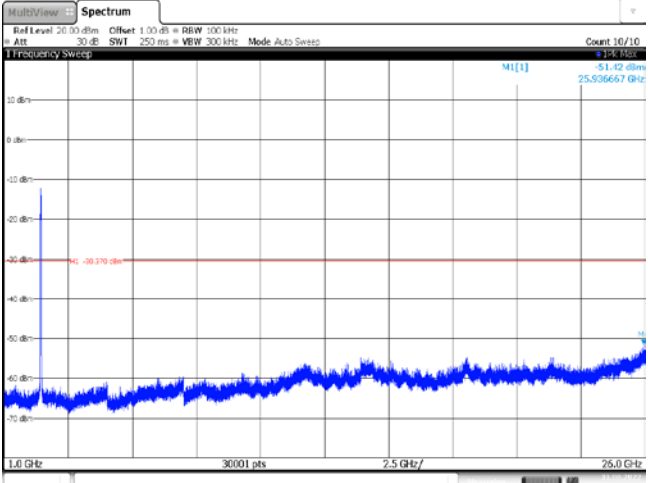
CH11

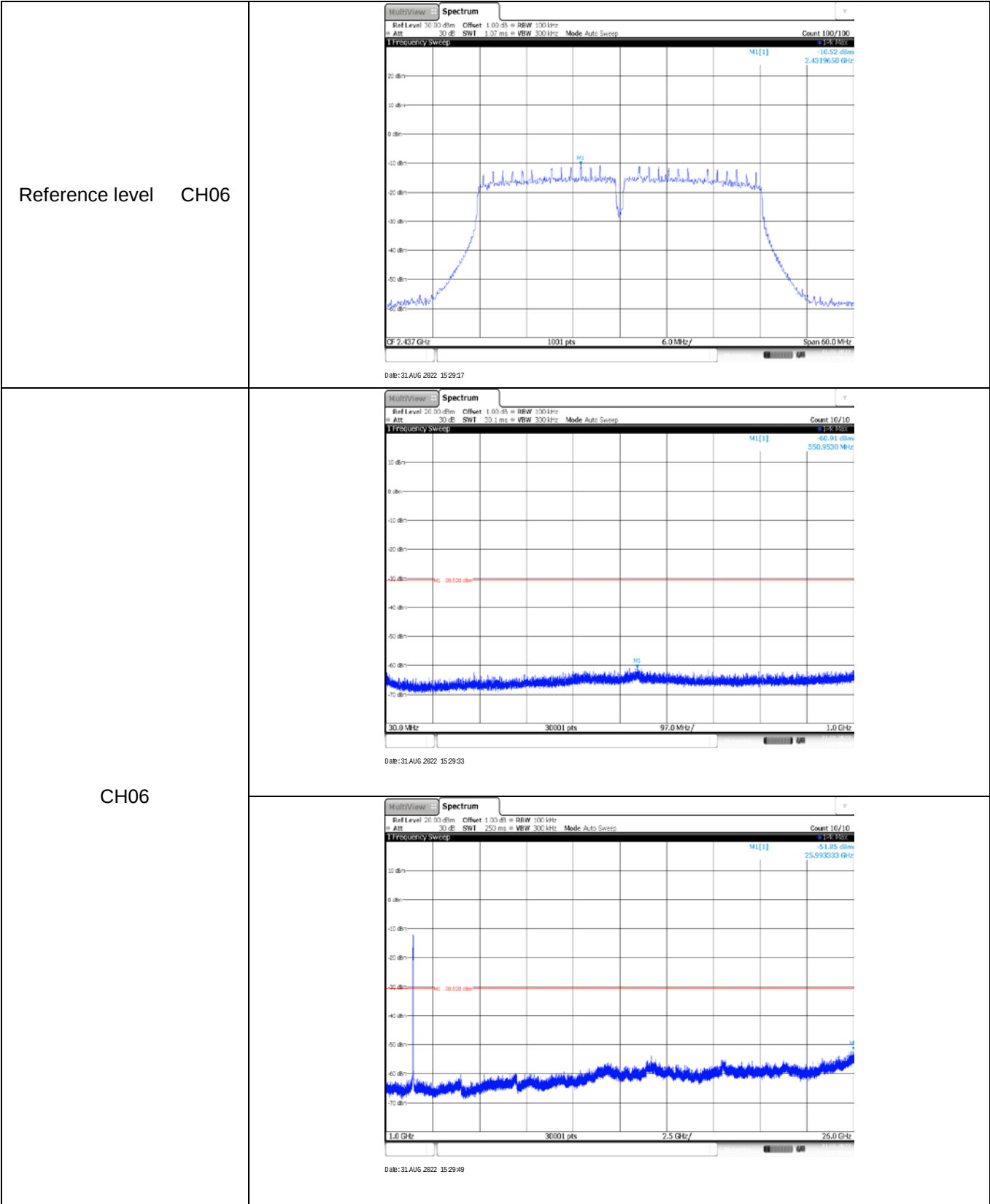


Date: 31 AUG 2022 15:26:08

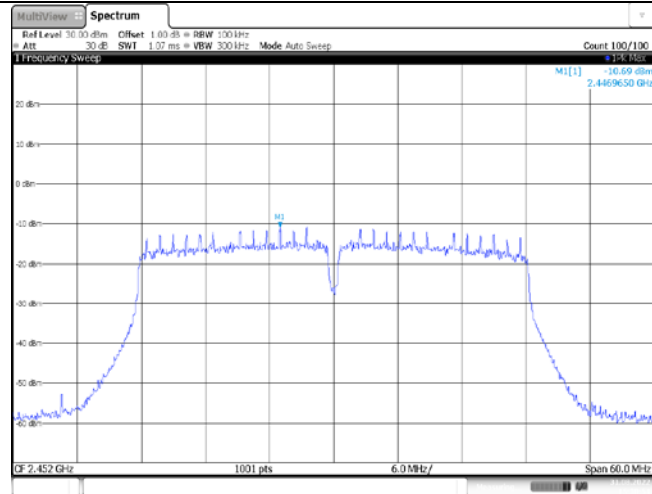


Date: 31 AUG 2022 15:26:24

Test Item:	SE	802.11 n(HT40)	Antenna 1
Reference levelCH03	 Date: 31 AUG 2022 15:28:01		
	 Date: 31 AUG 2022 15:28:17		
CH03	 Date: 31 AUG 2022 15:28:34		

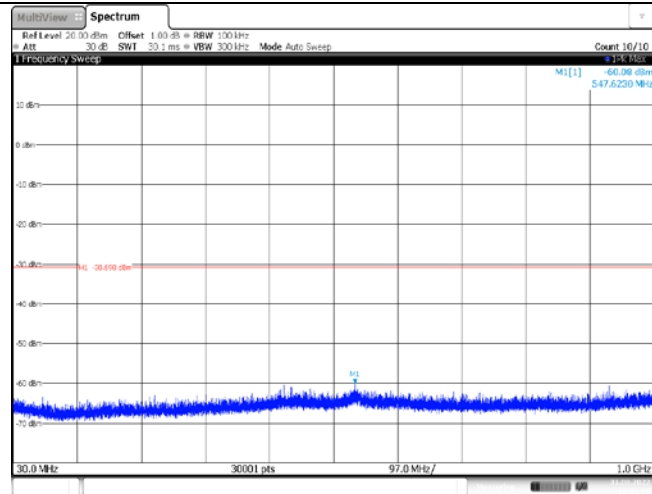


Reference level CH09

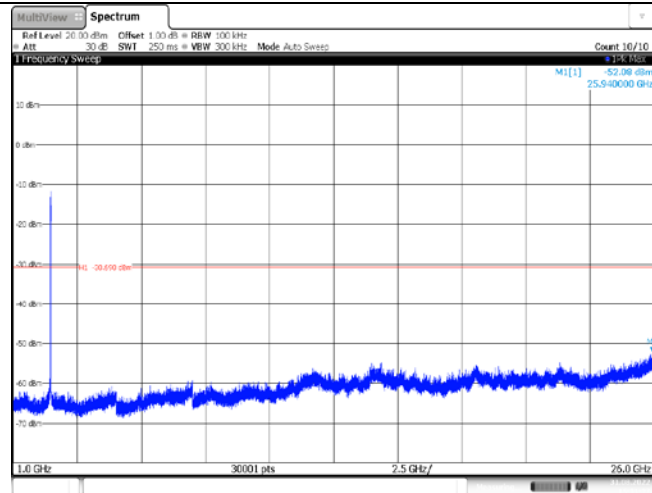


Date:31 AUG 2022 15:38:54

CH09



Date:31 AUG 2022 15:31:11



Date:31 AUG 2022 15:31:27

.....End of Report.....