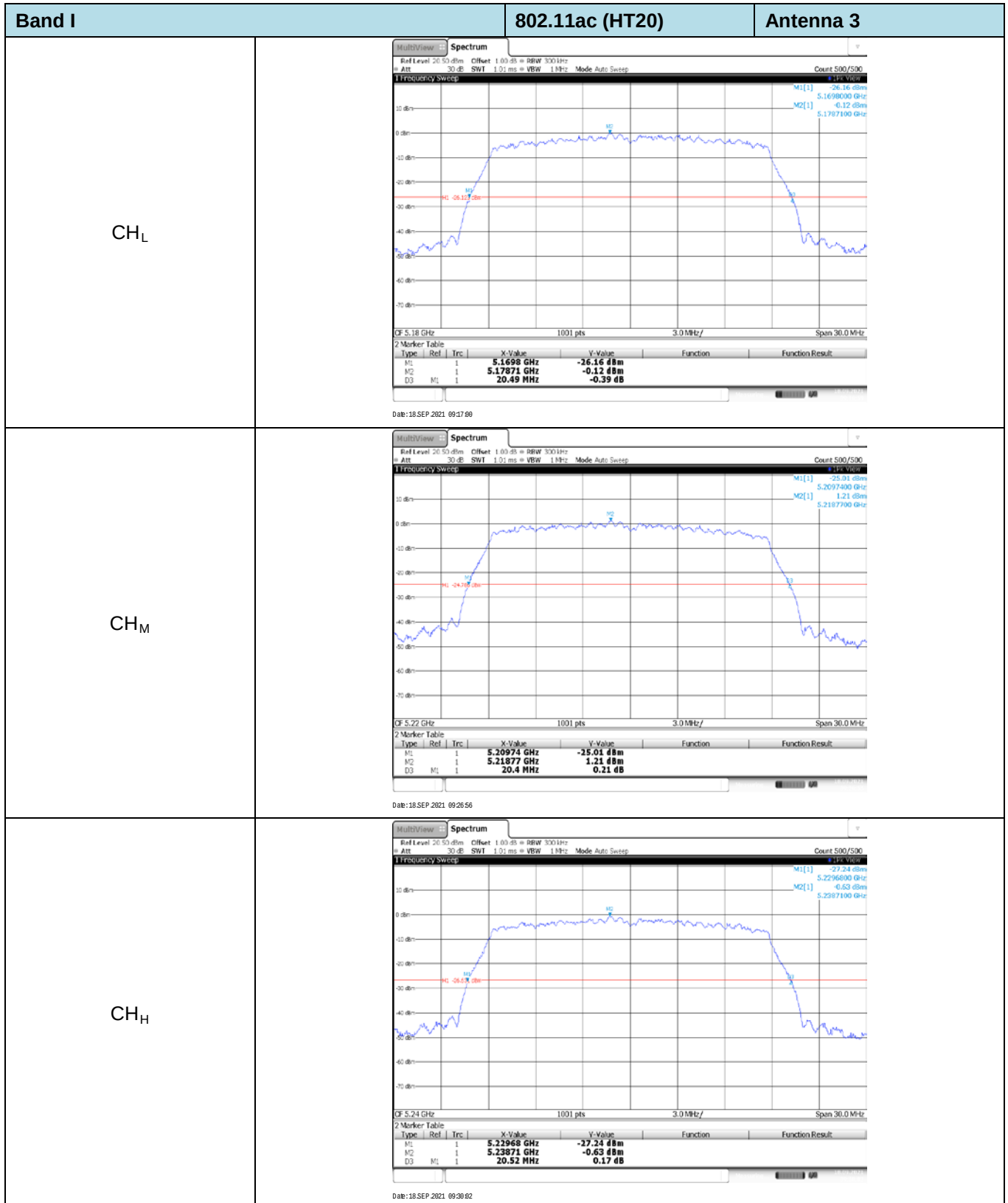




Band I

802.11n (HT20)

Antenna 3

CH_L

MultiView Spectrum

Ref Level 20.50 dBm Offset 1.00 dB = RBW 300 kHz

Att 30 dB SWI 1.01 ms = VBW 1.0 kHz Mode Auto Sweep

Count 500/500

1 Frequency Sweep

CF 5.18 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		5.1690 GHz	-24.38 dBm		
M2	1		5.17874 GHz	-1.66 dBm		
D3	M1		20.46 MHz	-1.79 dB		

Date: 26.OCT.2021 18:55:05

CH_M

MultiView Spectrum

Ref Level 20.50 dBm Offset 1.00 dB = RBW 300 kHz

Att 30 dB SWI 1.01 ms = VBW 1.0 kHz Mode Auto Sweep

Count 500/500

1 Frequency Sweep

CF 5.22 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		5.20968 GHz	-26.42 dBm		
M2	1		5.21874 GHz	0.60 dBm		
D3	M1		20.43 MHz	0.85 dB		

Date: 26.OCT.2021 18:56:35

CH_H

MultiView Spectrum

Ref Level 20.50 dBm Offset 1.00 dB = RBW 300 kHz

Att 30 dB SWI 1.01 ms = VBW 1.0 kHz Mode Auto Sweep

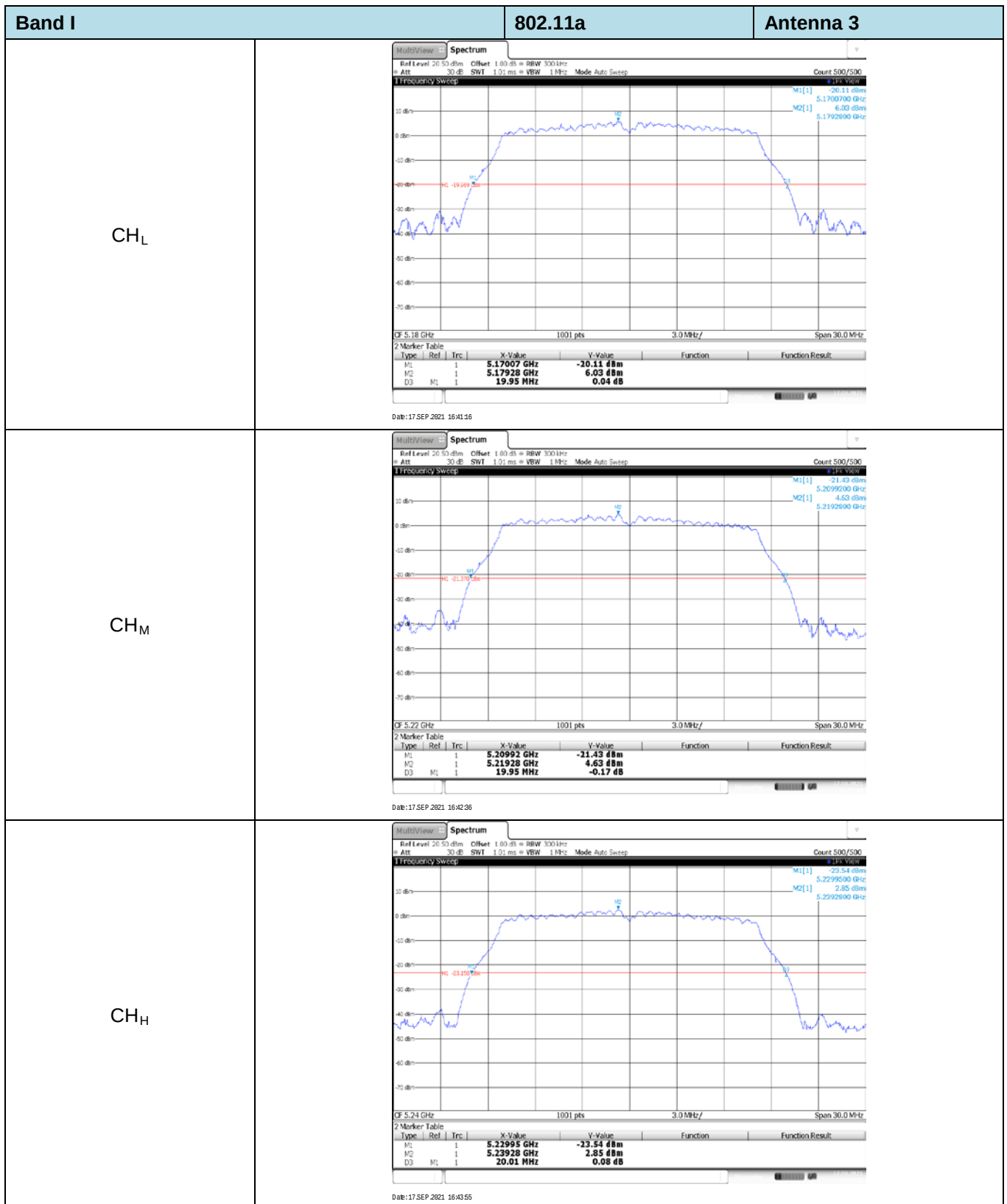
Count 500/500

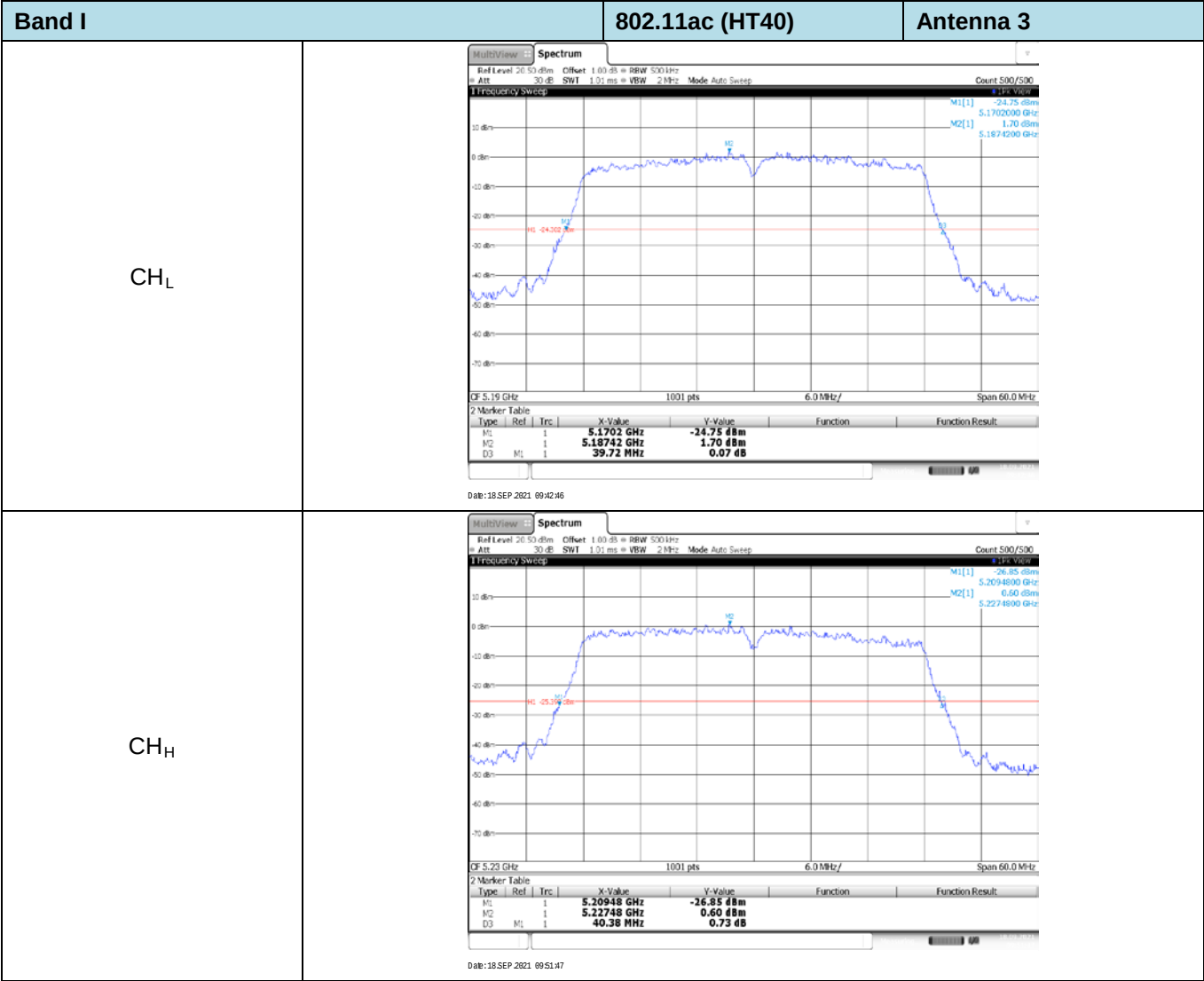
1 Frequency Sweep

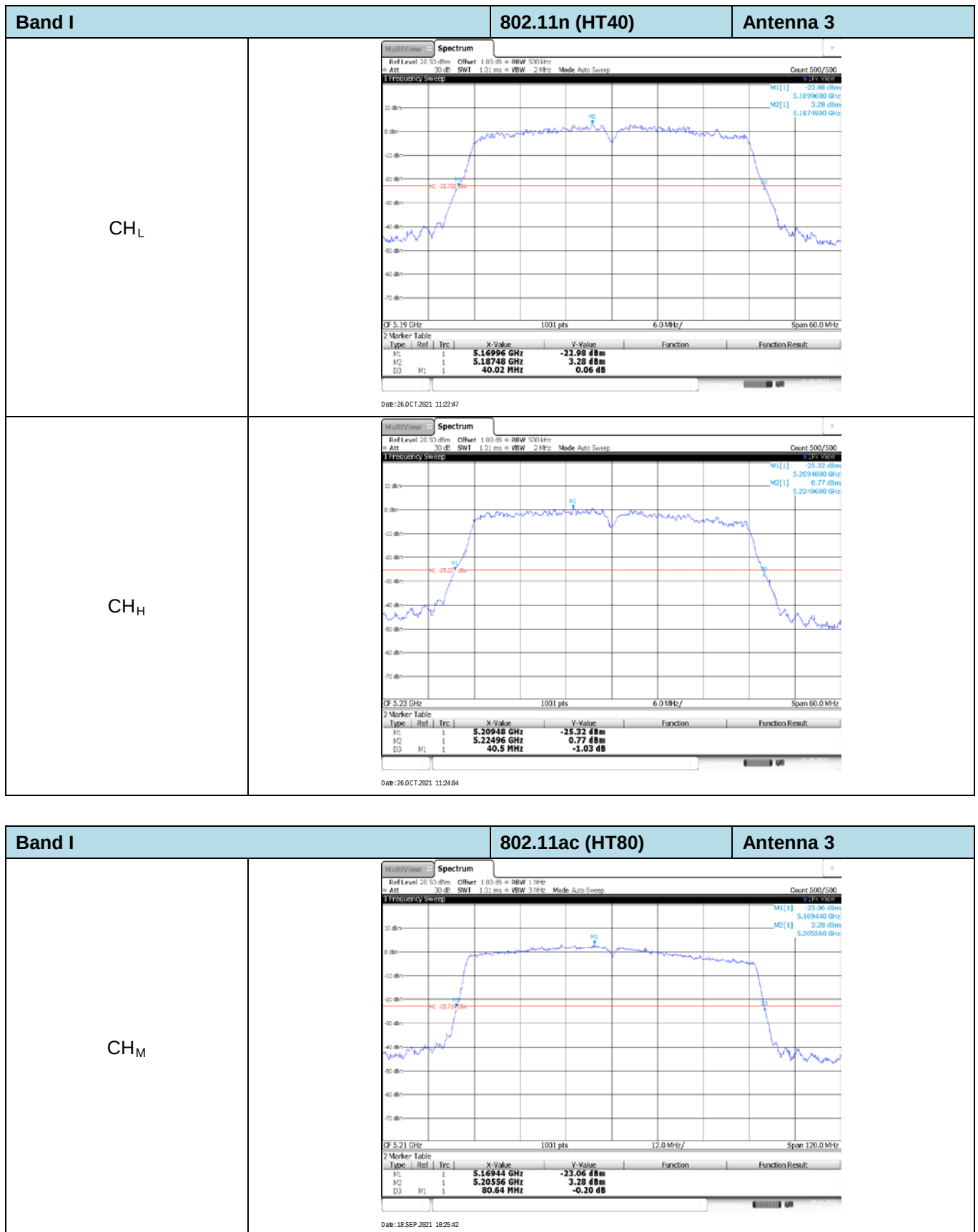
CF 5.24 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		5.22968 GHz	-28.17 dBm		
M2	1		5.23874 GHz	-1.39 dBm		
D3	M1		20.52 MHz	0.74 dB		

Date: 26.OCT.2021 18:57:58



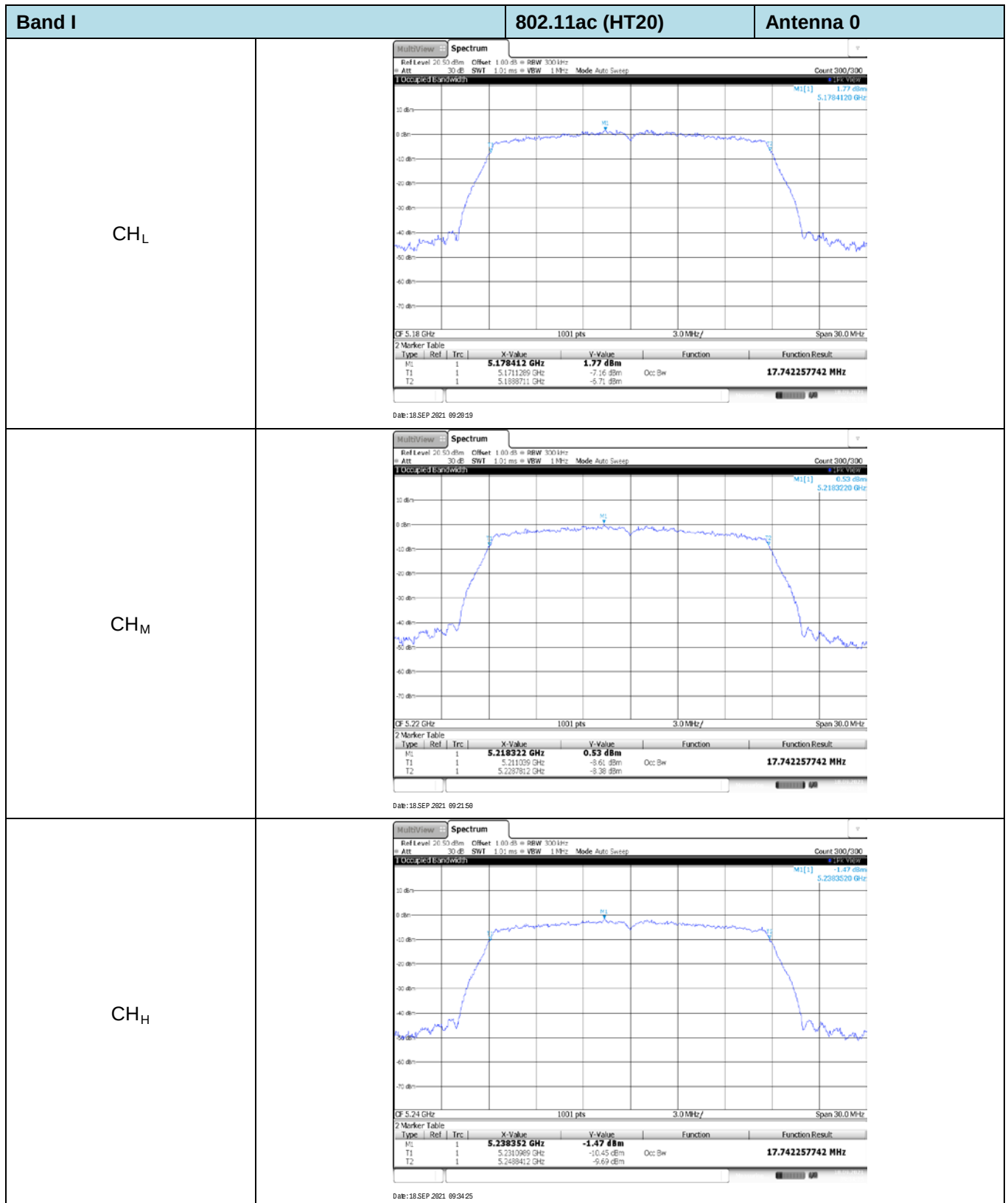


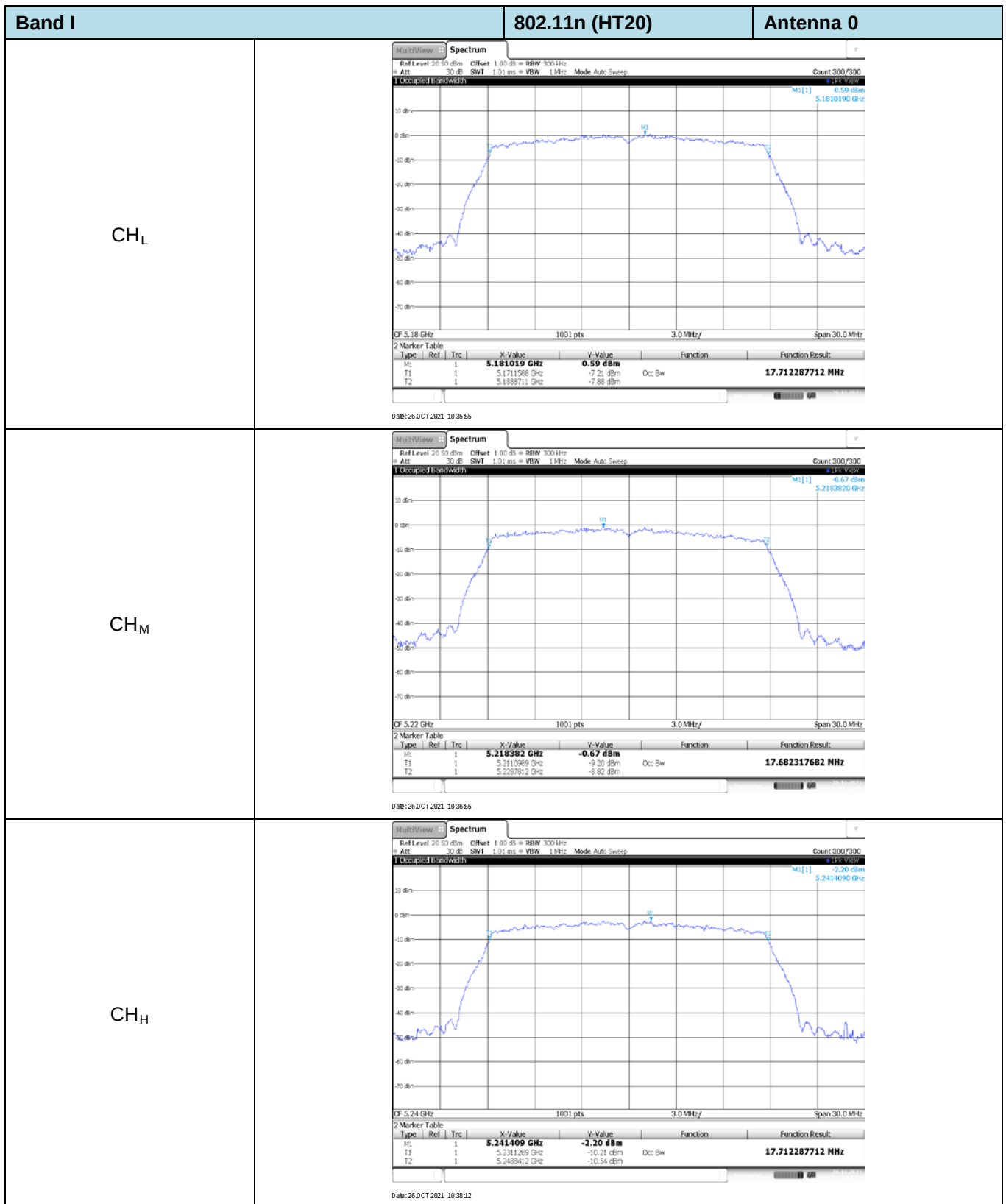


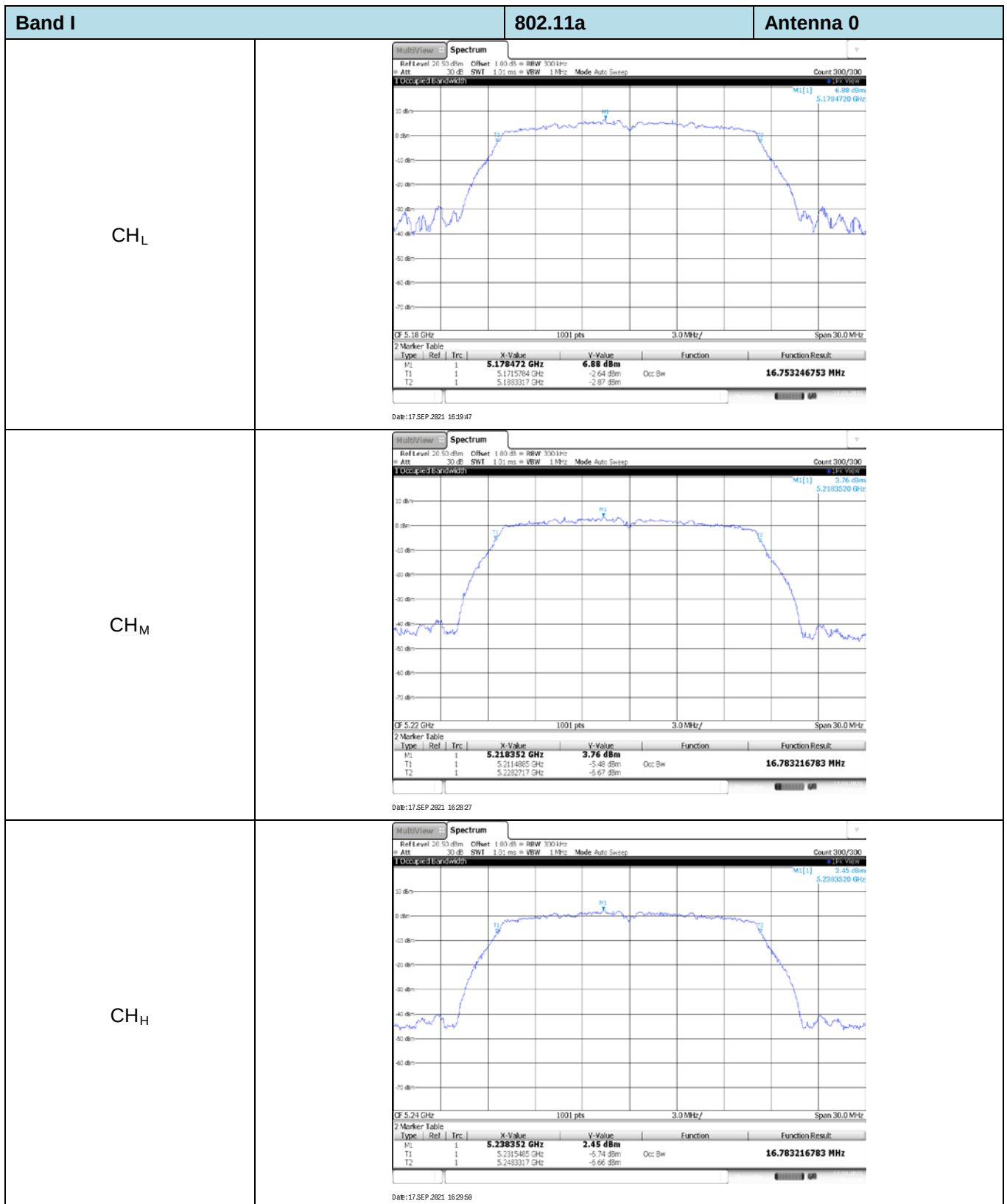
Appendix D: 99% Occupy bandwidth

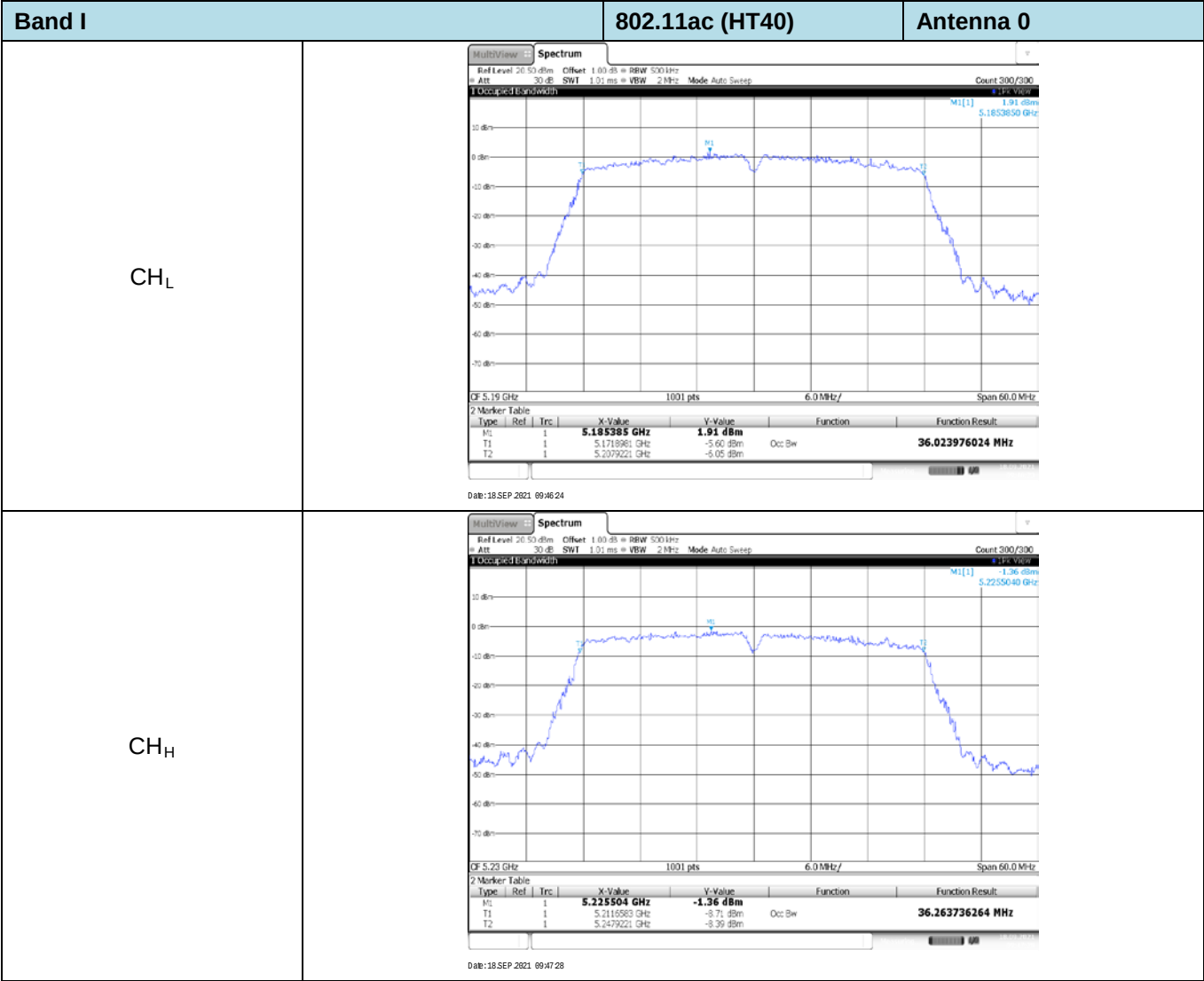
Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)				Result
				Antenna 0	Antenna 1	Antenna 2	Antenna 3	
I	20	802.11ac	CH _L	17.74	17.65	17.68	17.68	Pass
			CH _M	17.74	17.65	17.68	17.71	
			CH _H	17.74	17.65	17.68	17.71	
		802.11n	CH _L	17.71	17.65	17.71	17.68	Pass
			CH _M	17.68	17.65	17.71	17.71	
			CH _H	17.71	17.65	17.68	17.65	
		802.11a	CH _L	16.75	16.63	16.72	16.54	Pass
			CH _M	16.78	16.66	16.78	16.57	
			CH _H	16.78	16.66	16.78	16.57	
	40	802.11ac	CH _L	36.02	36.02	35.90	35.78	Pass
			CH _H	36.26	36.20	36.08	35.96	
		802.11n	CH _L	36.08	35.96	35.96	35.84	Pass
			CH _H	36.26	36.20	35.96	35.96	
	80	802.11ac	CH _M	75.05	75.41	75.41	74.69	Pass

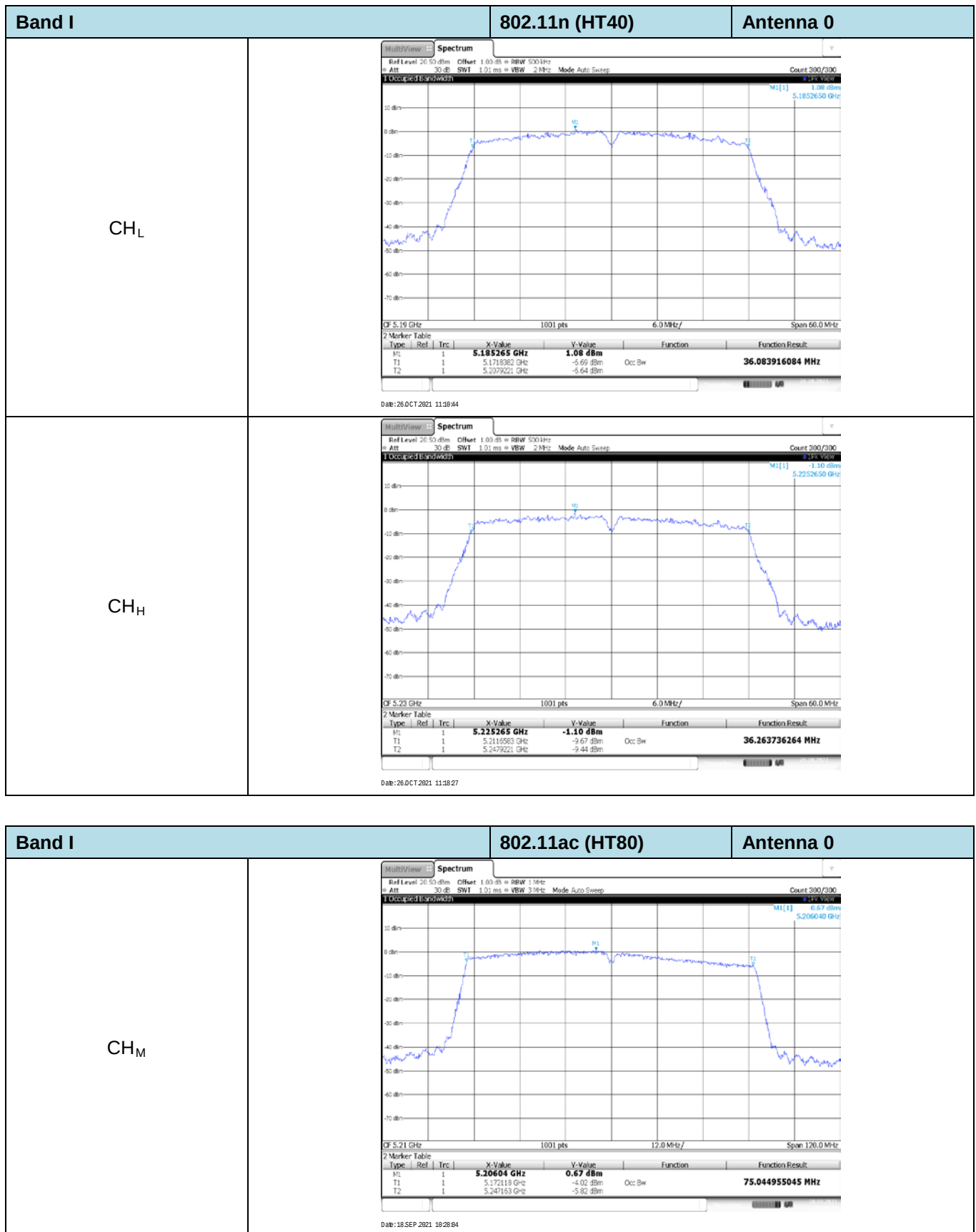
Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)		Result
				Antenna 0	Antenna 1	
IV	20	802.11ac	CH _L	17.62	17.59	Pass
			CH _M	17.65	17.59	
			CH _H	17.65	17.65	
		802.11n	CH _L	17.65	17.62	Pass
			CH _M	17.62	17.59	
			CH _H	17.65	17.59	
		802.11a	CH _L	16.78	16.45	Pass
			CH _M	16.75	16.45	
			CH _H	16.75	16.45	
	40	802.11ac	CH _L	36.02	35.96	Pass
			CH _H	35.90	35.90	
		802.11n	CH _L	36.03	36.03	Pass
			CH _H	36.12	35.95	
	80	802.11ac	CH _M	74.93	74.81	Pass

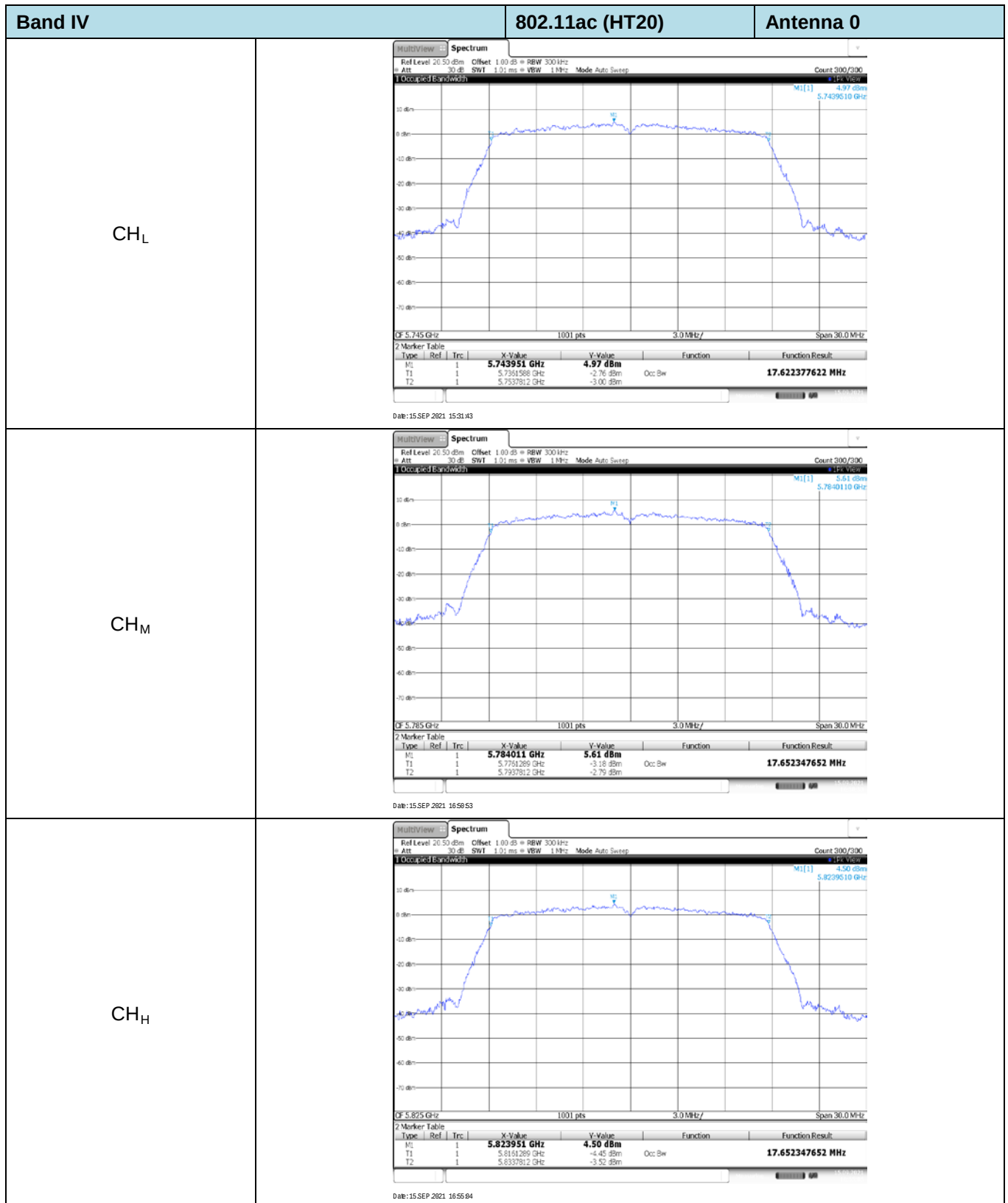


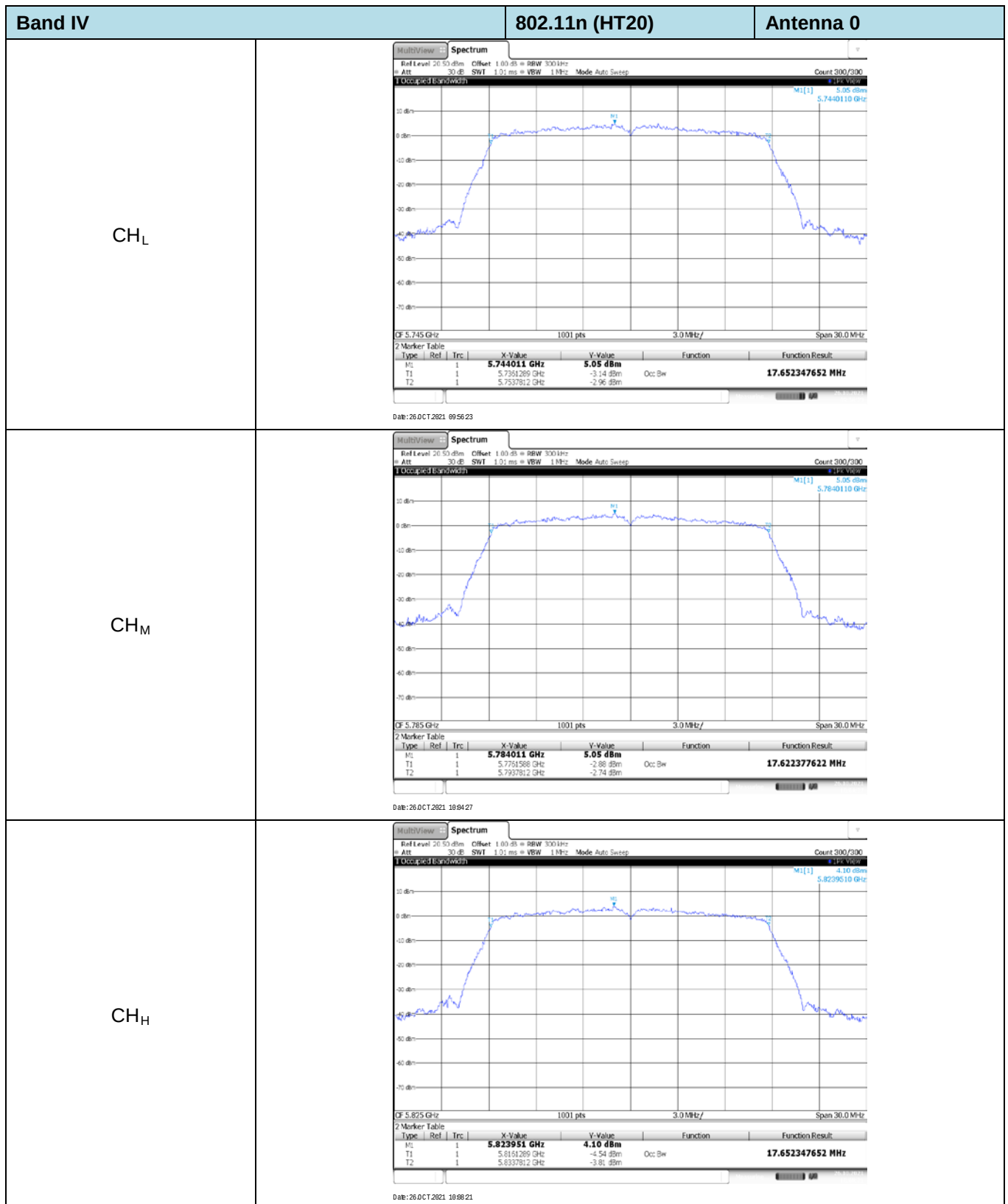


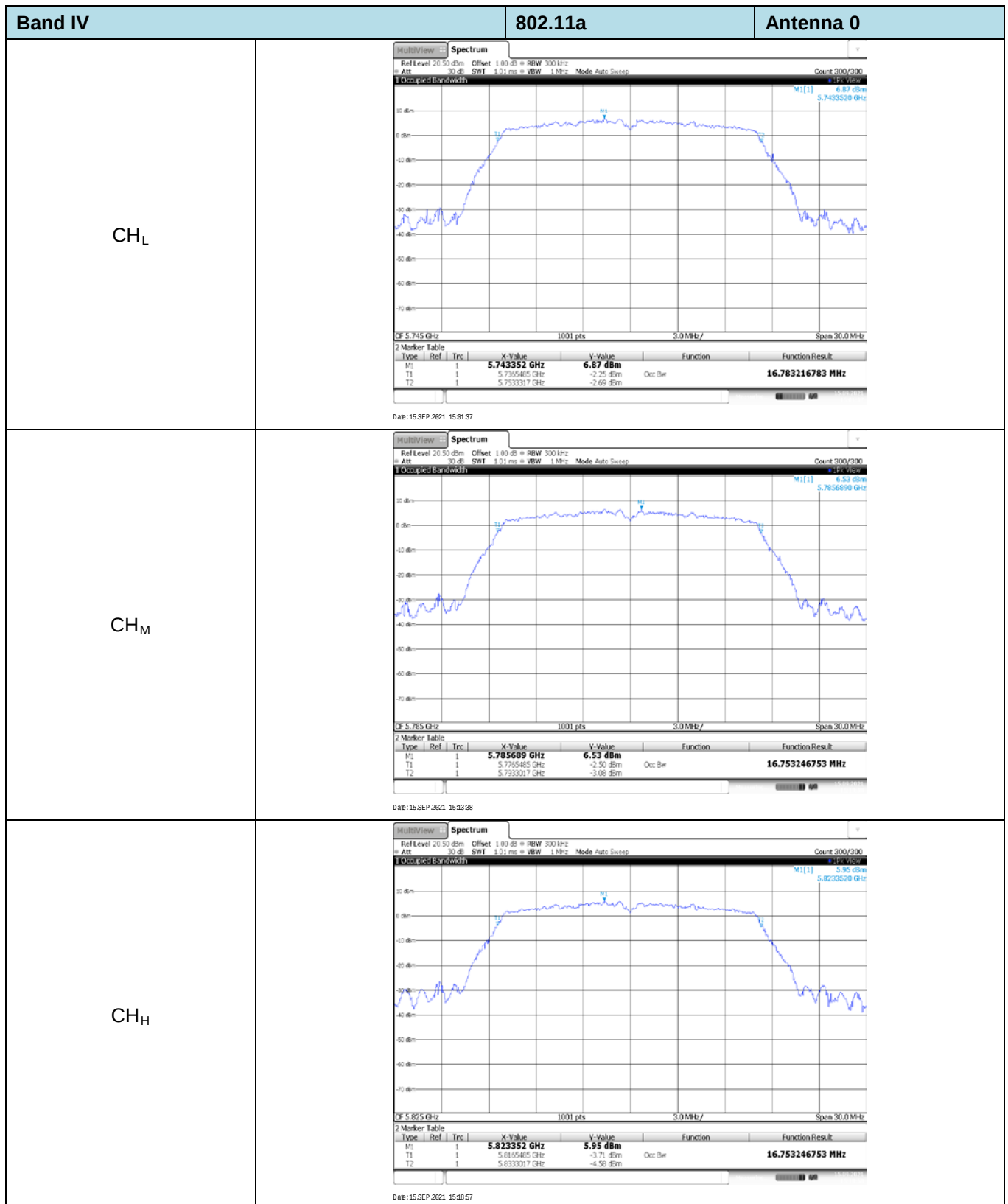


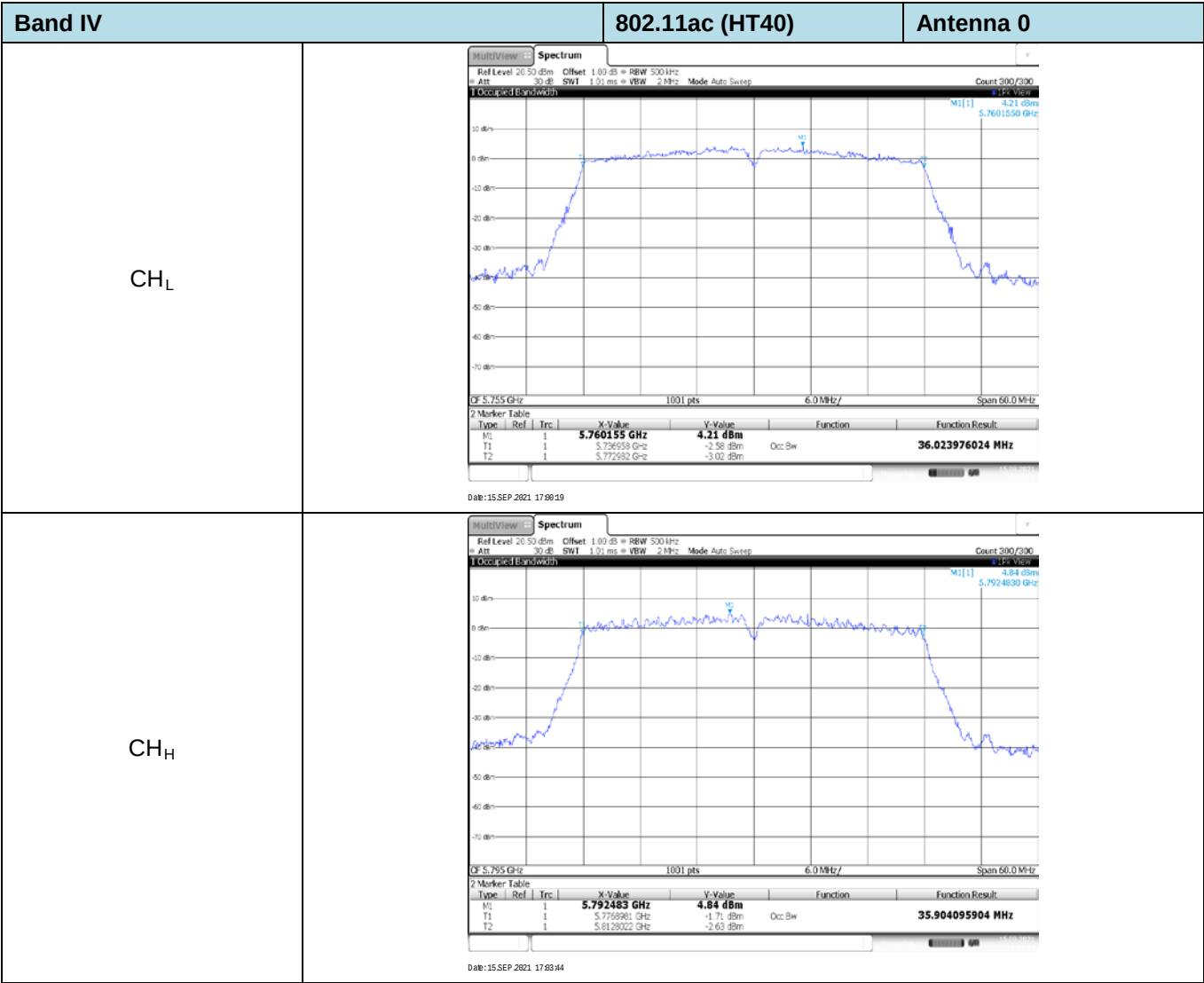


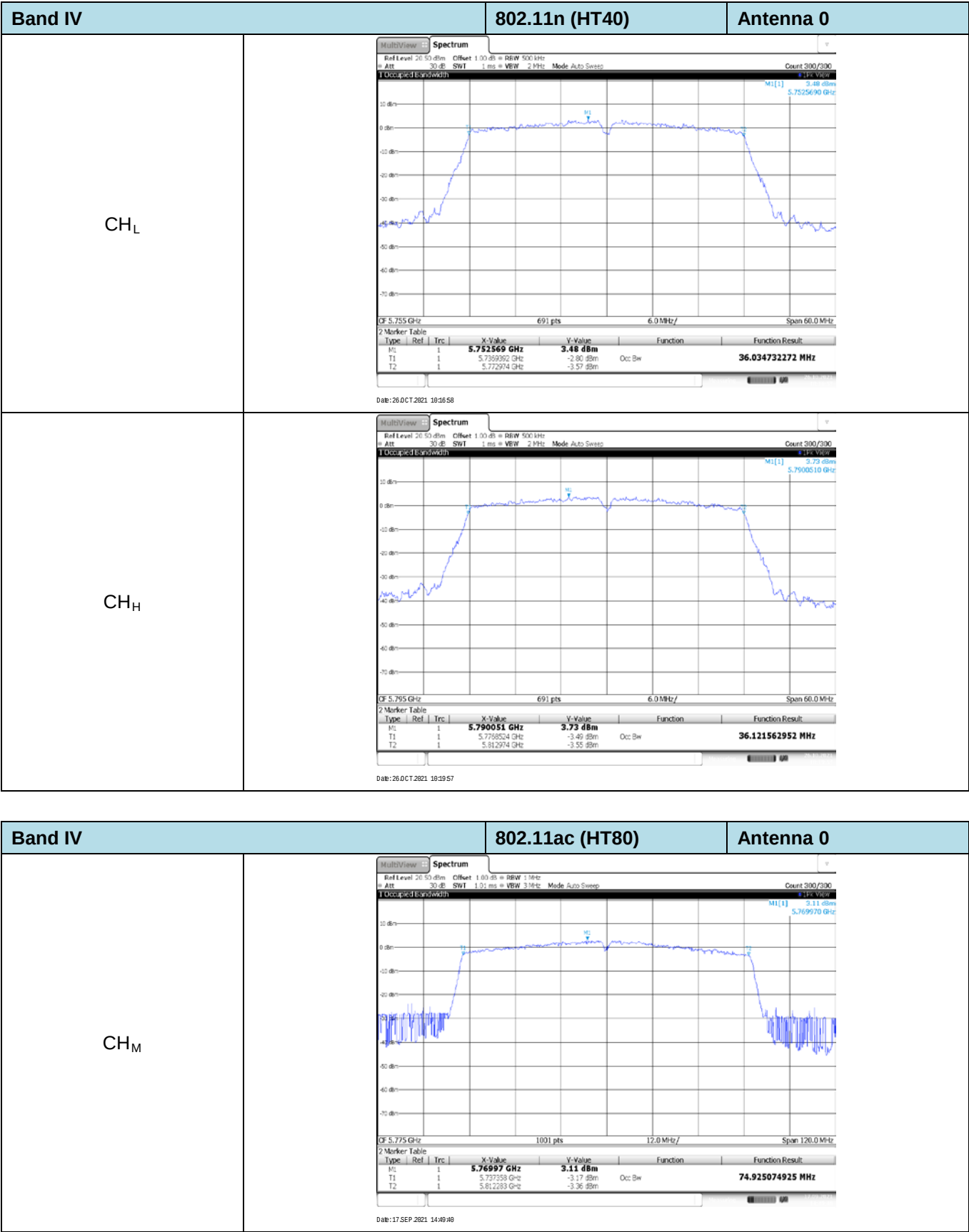


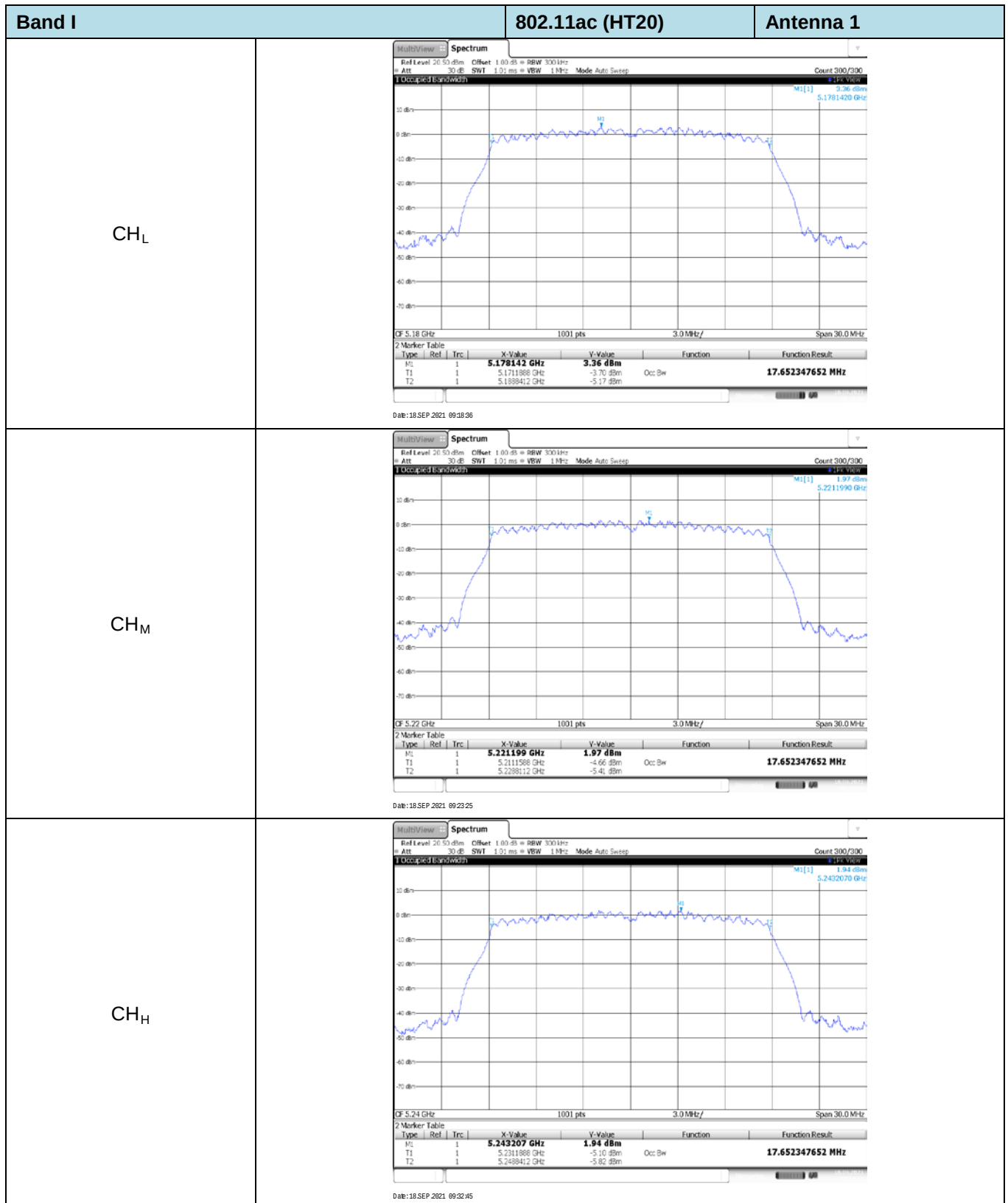


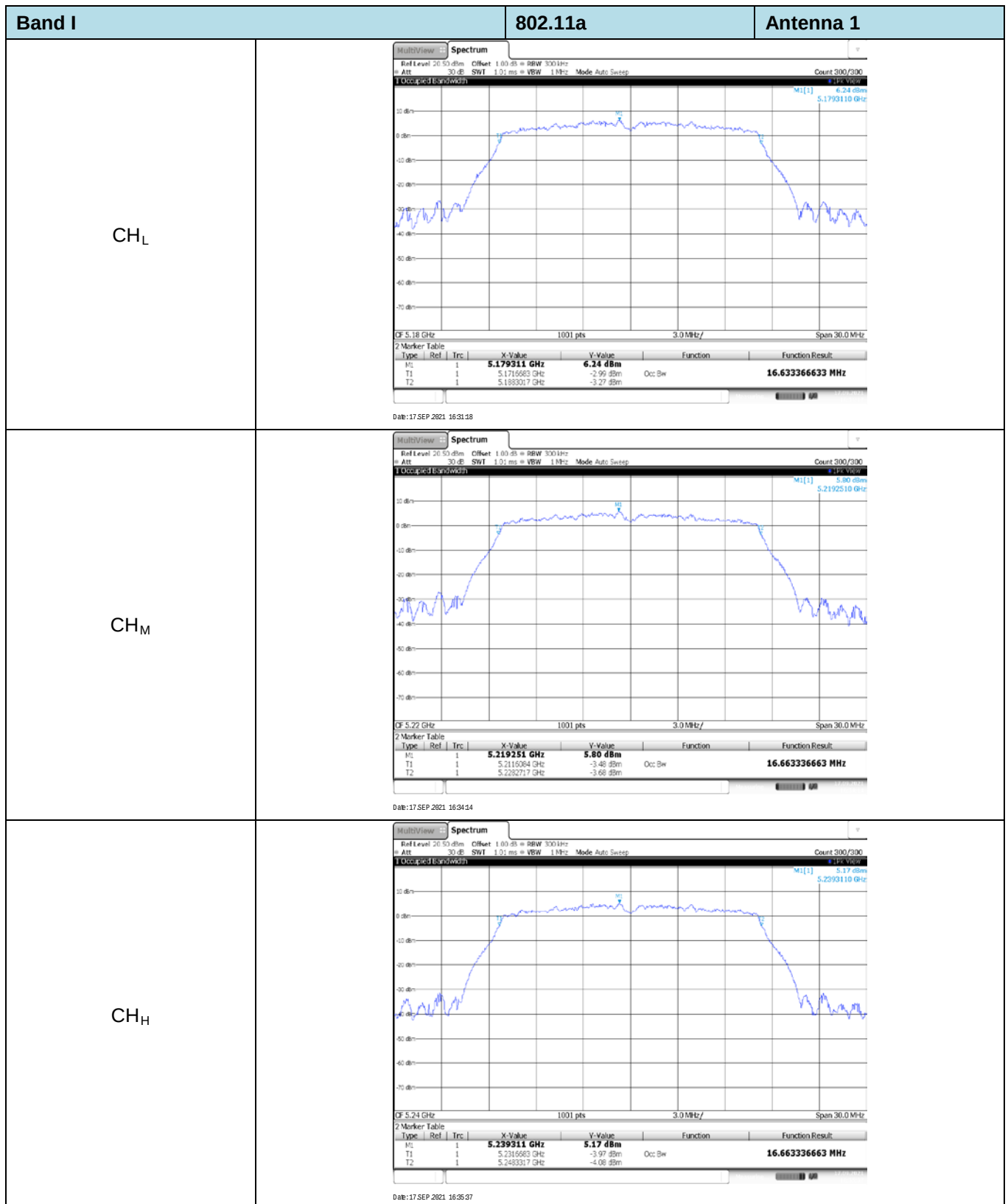


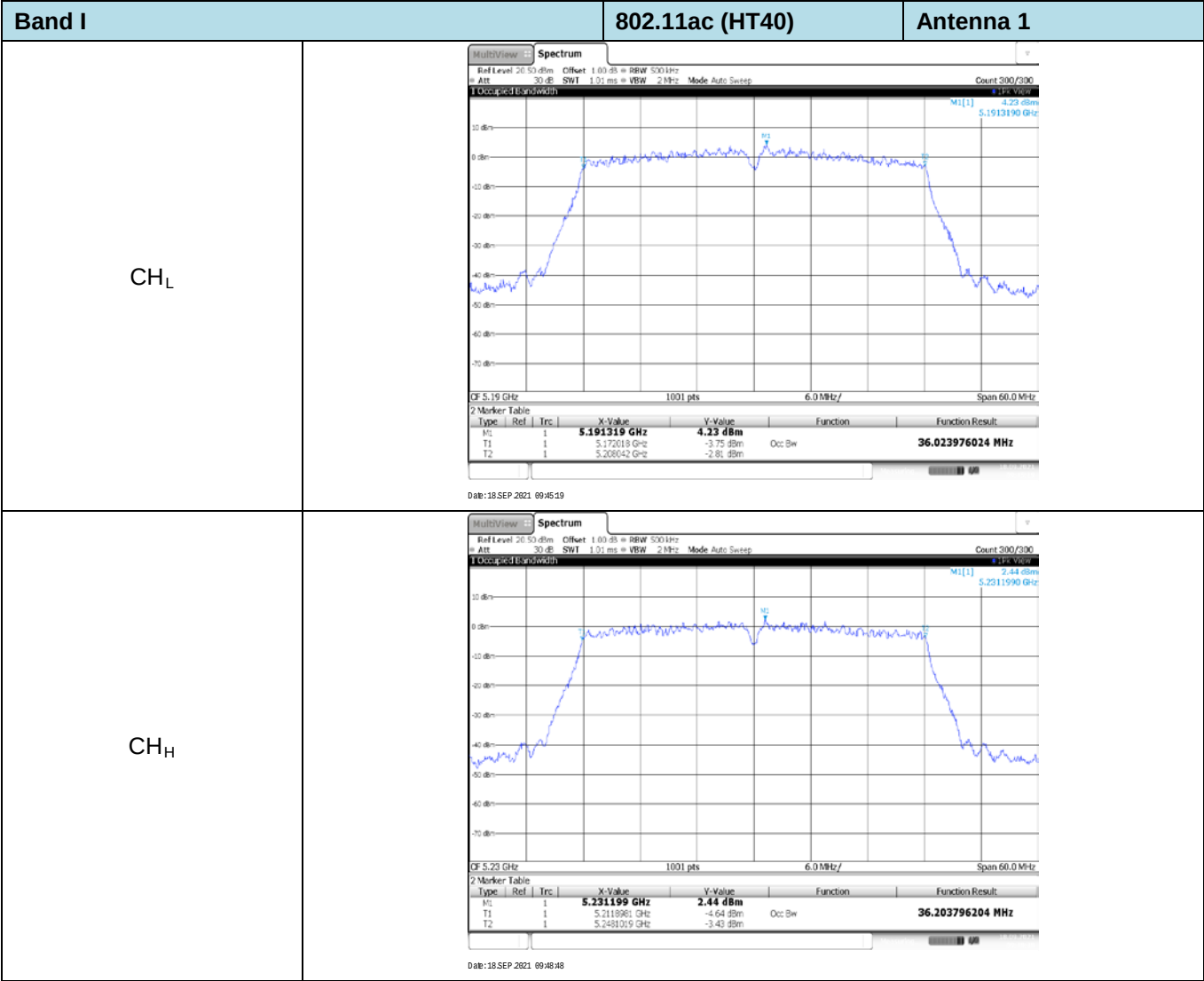


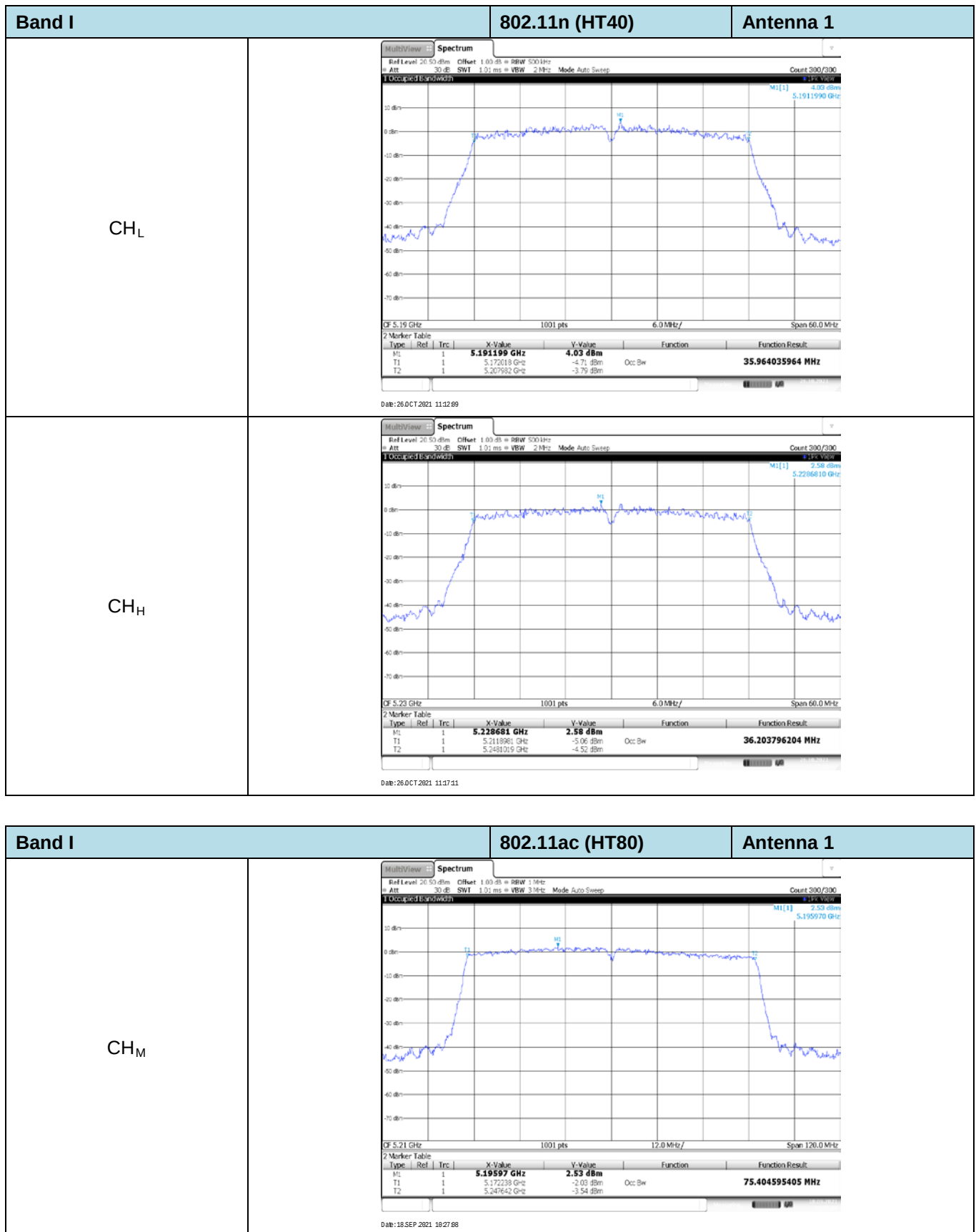


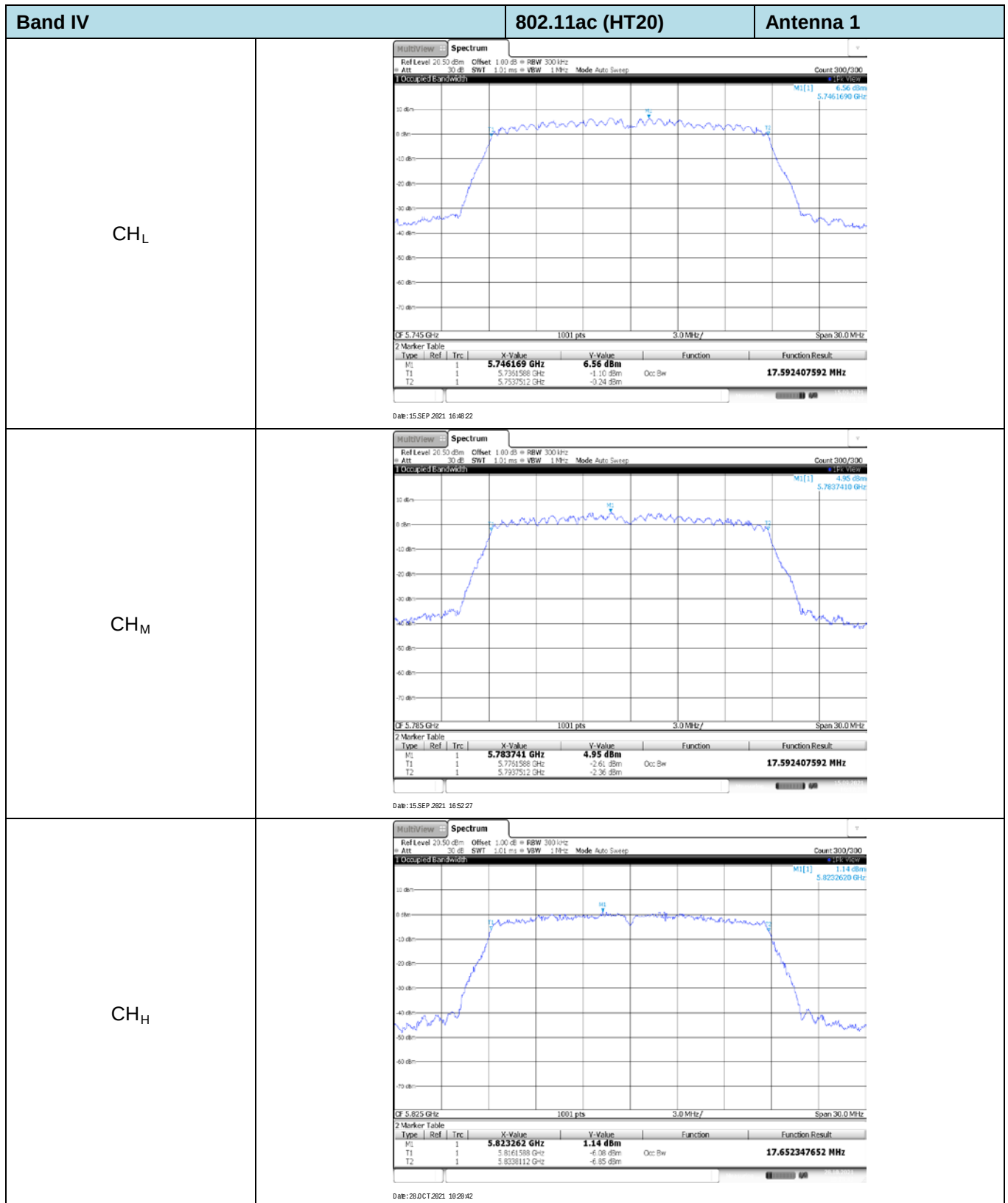


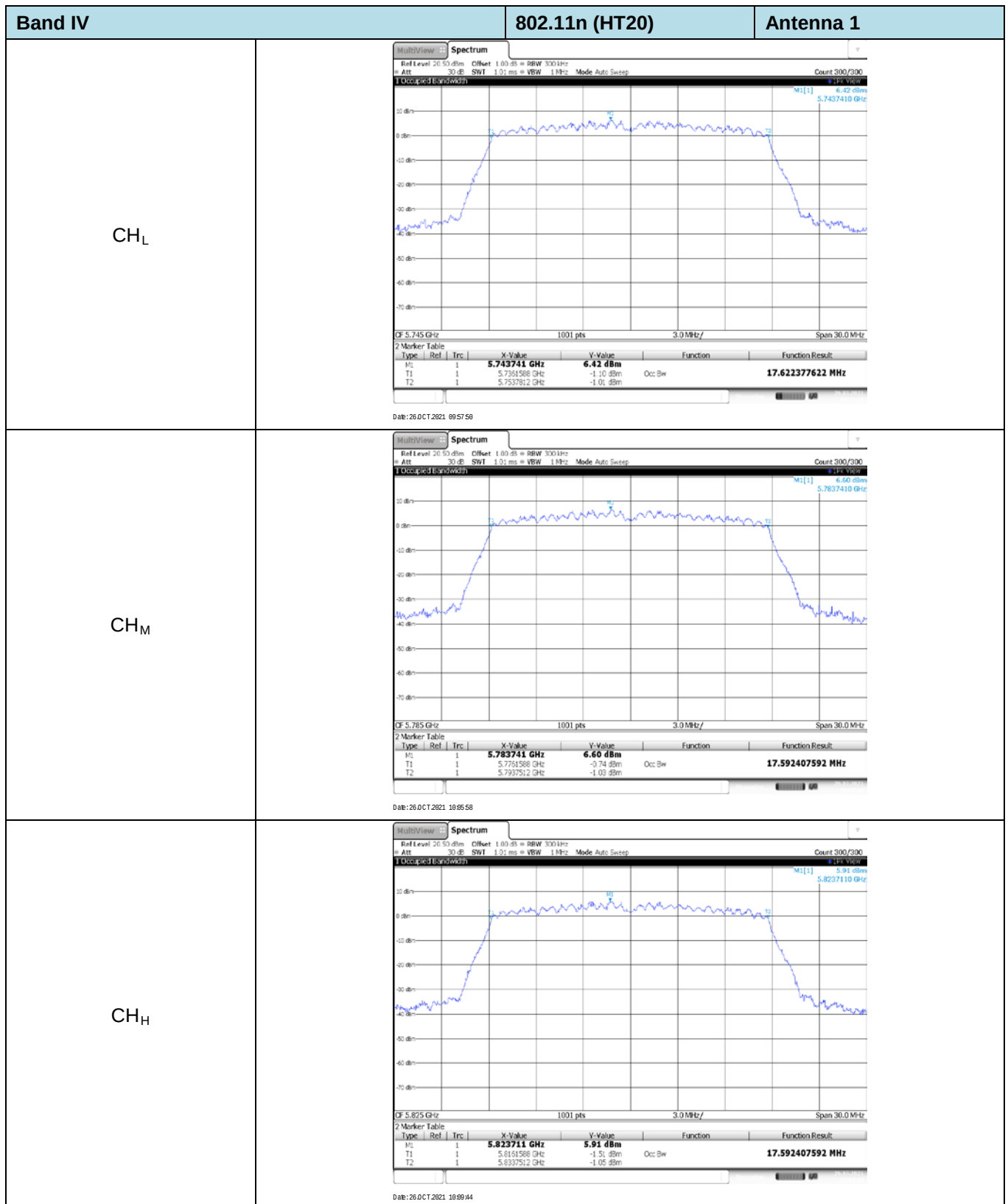


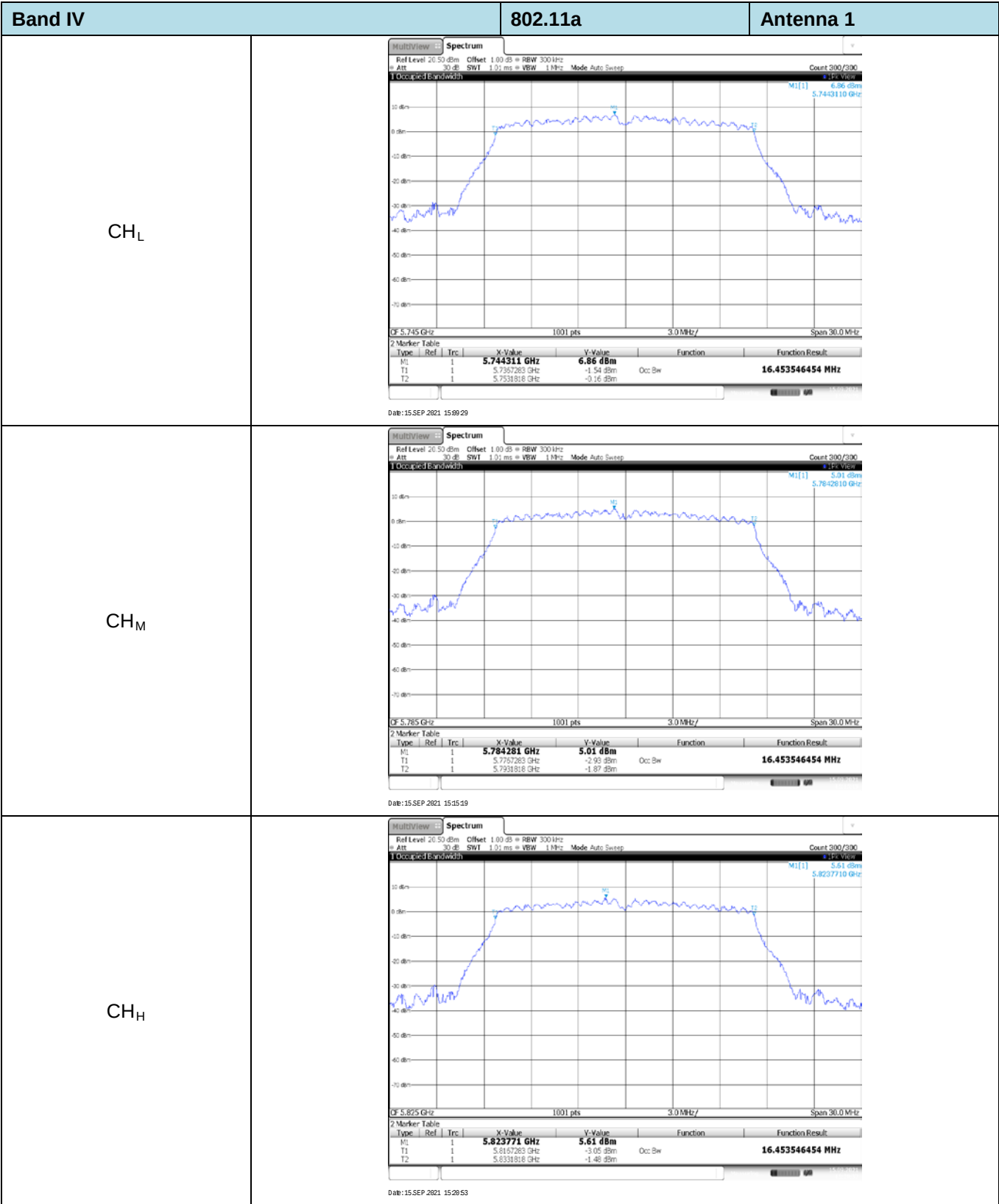


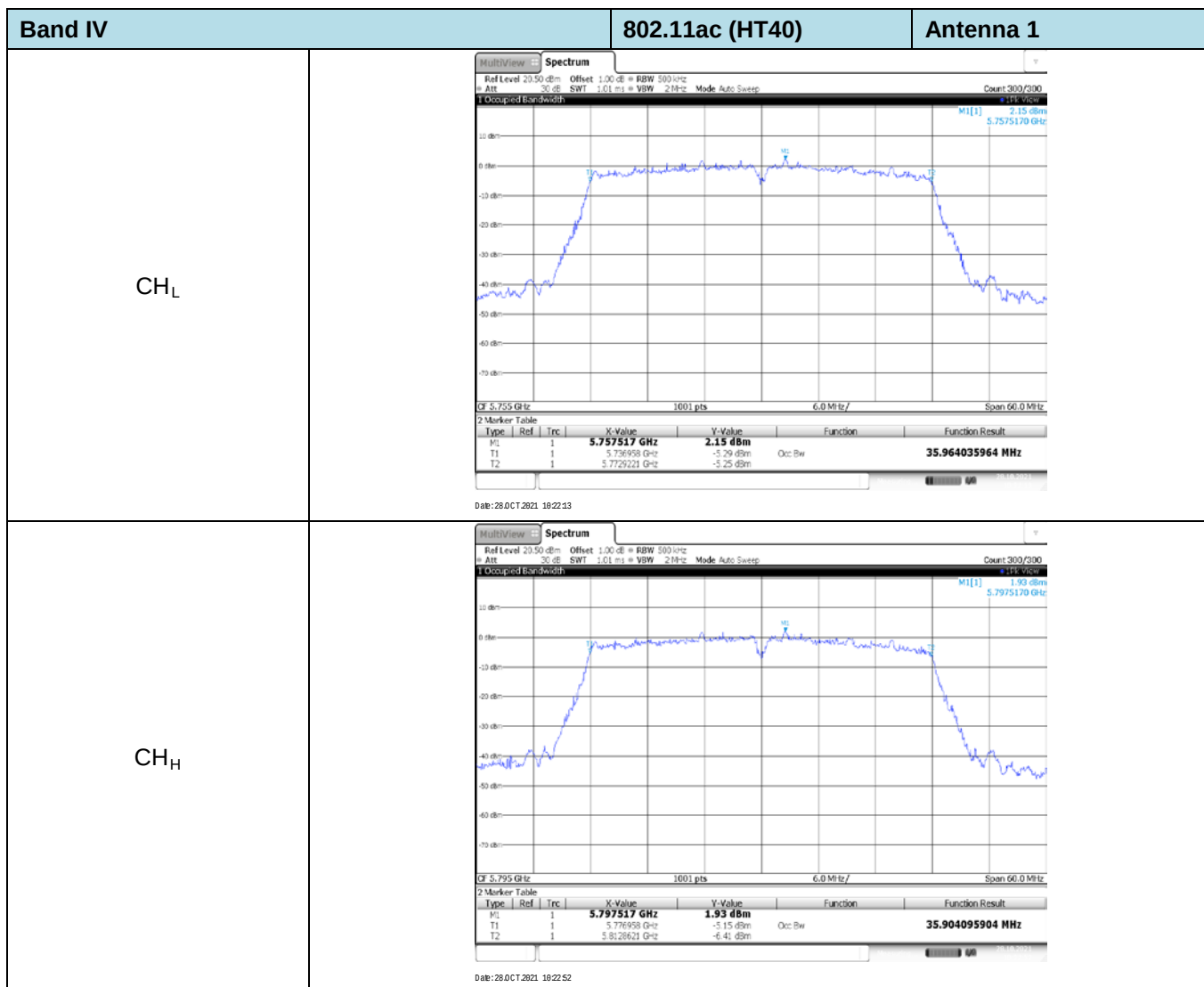


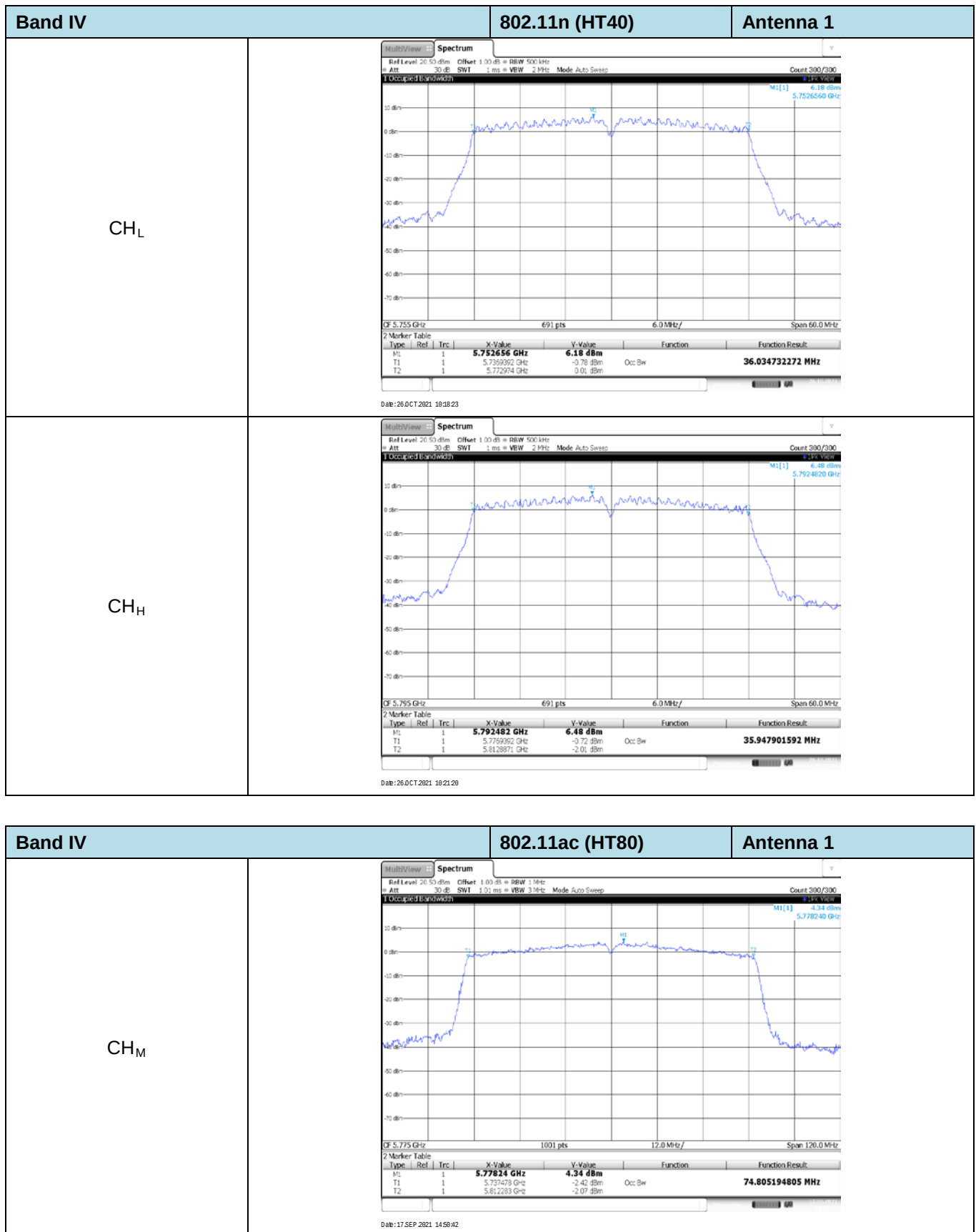


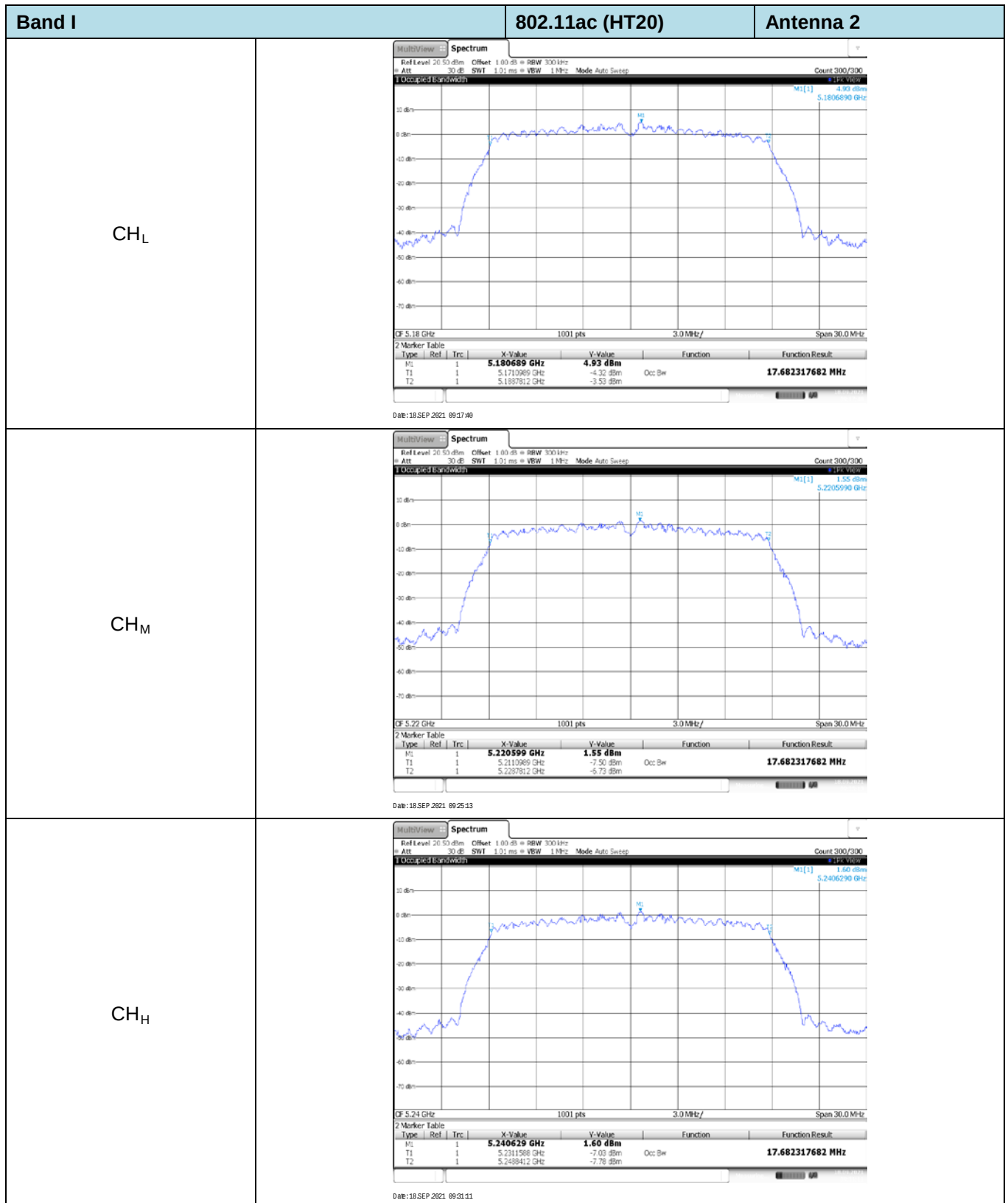




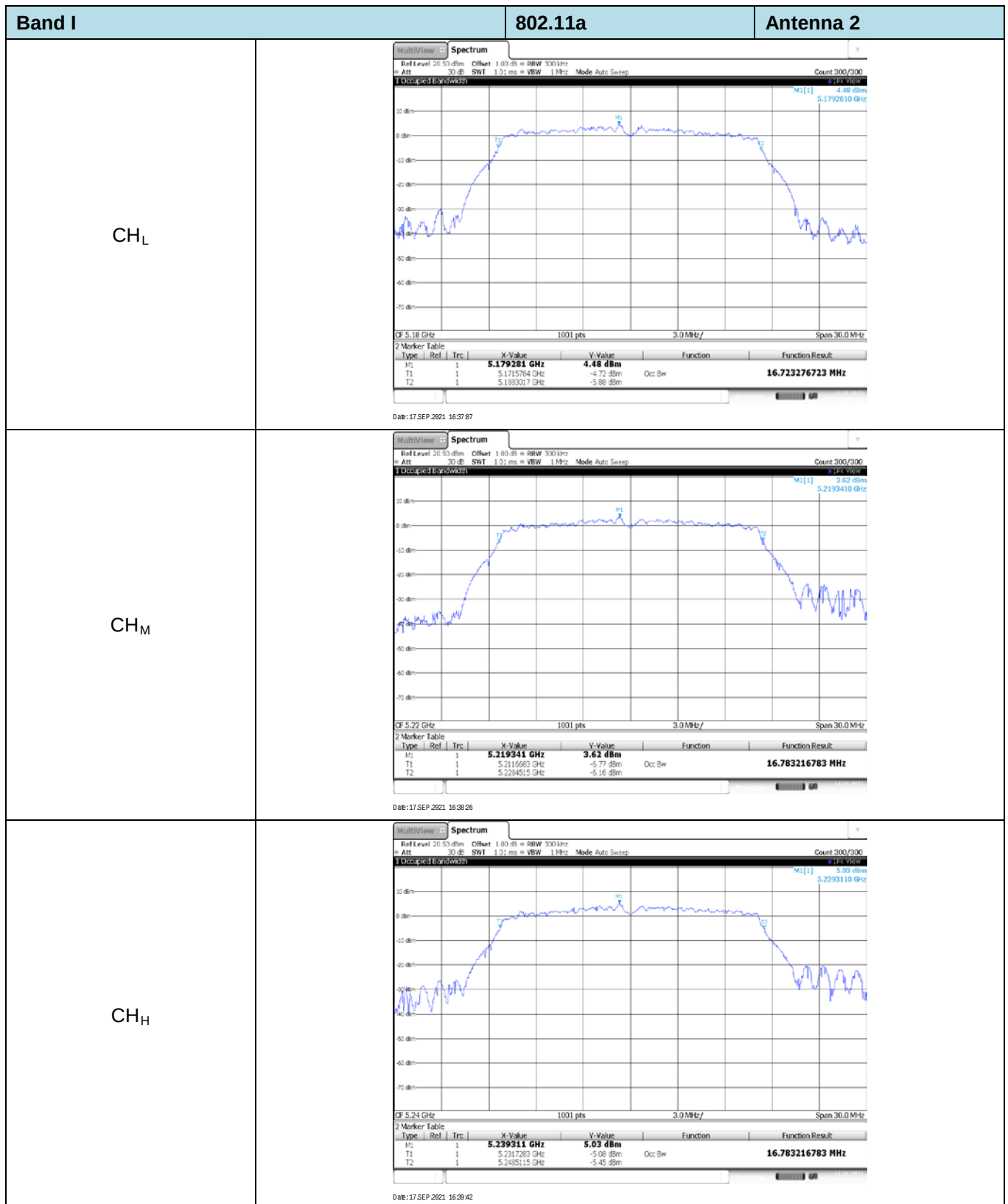


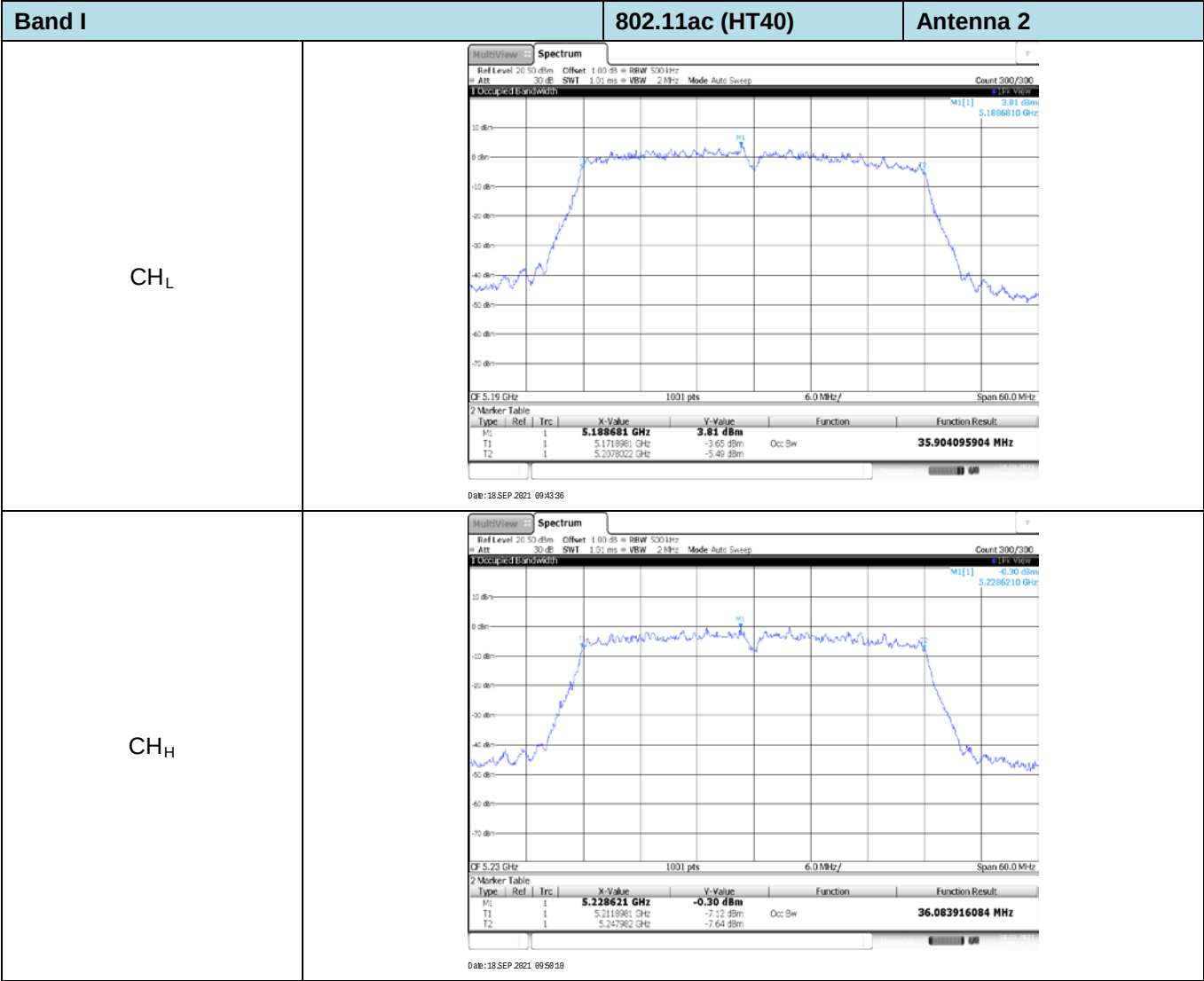


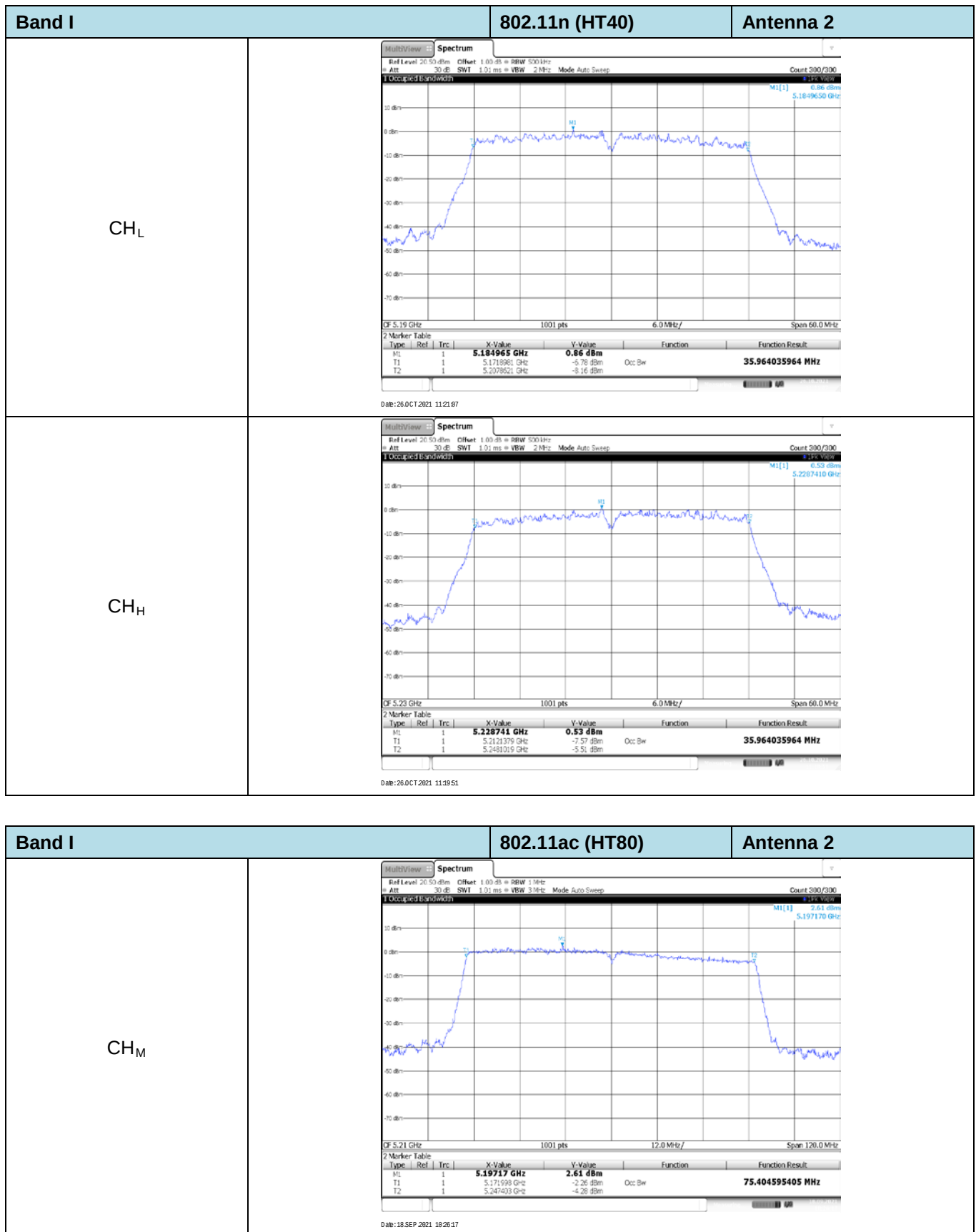


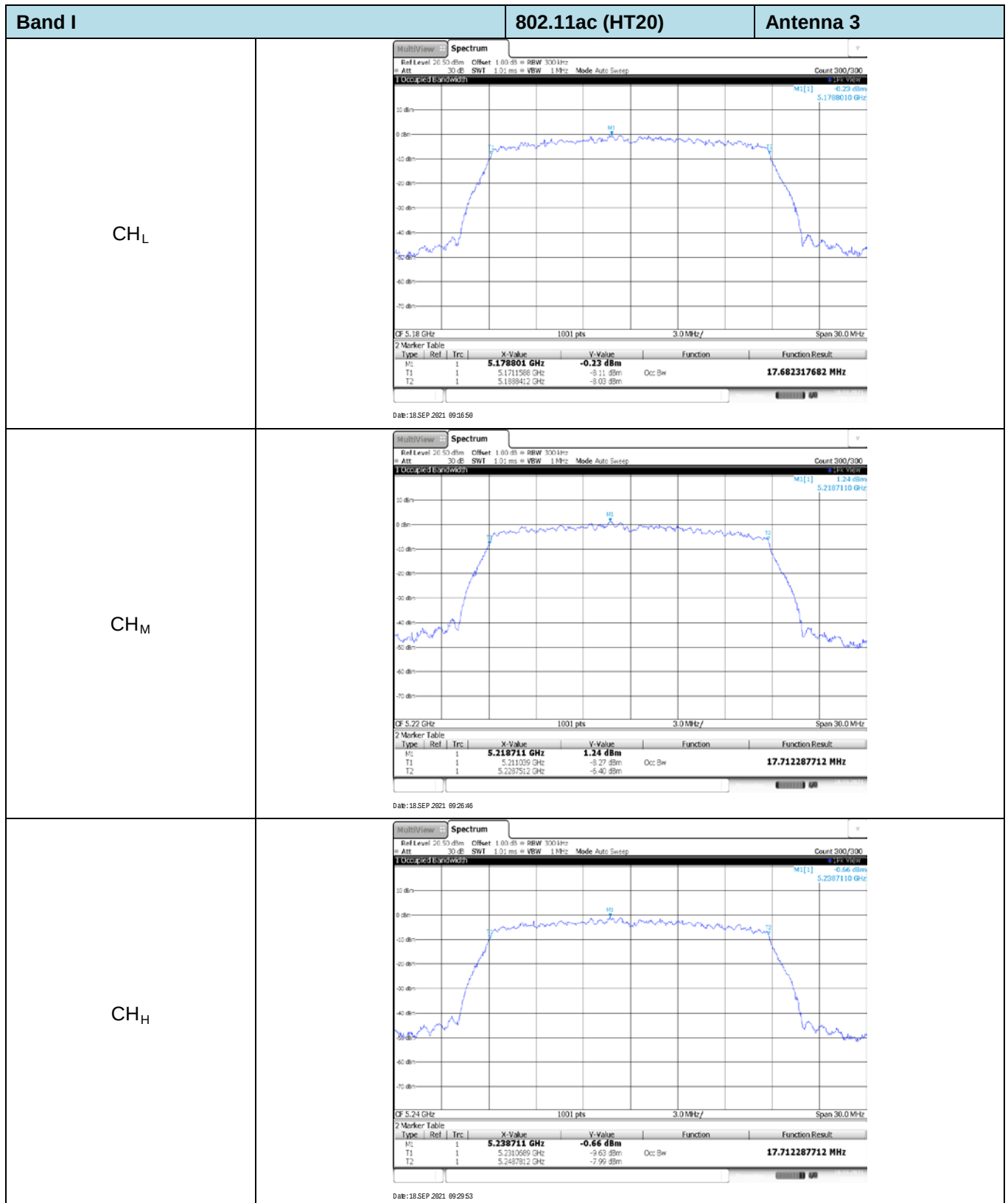


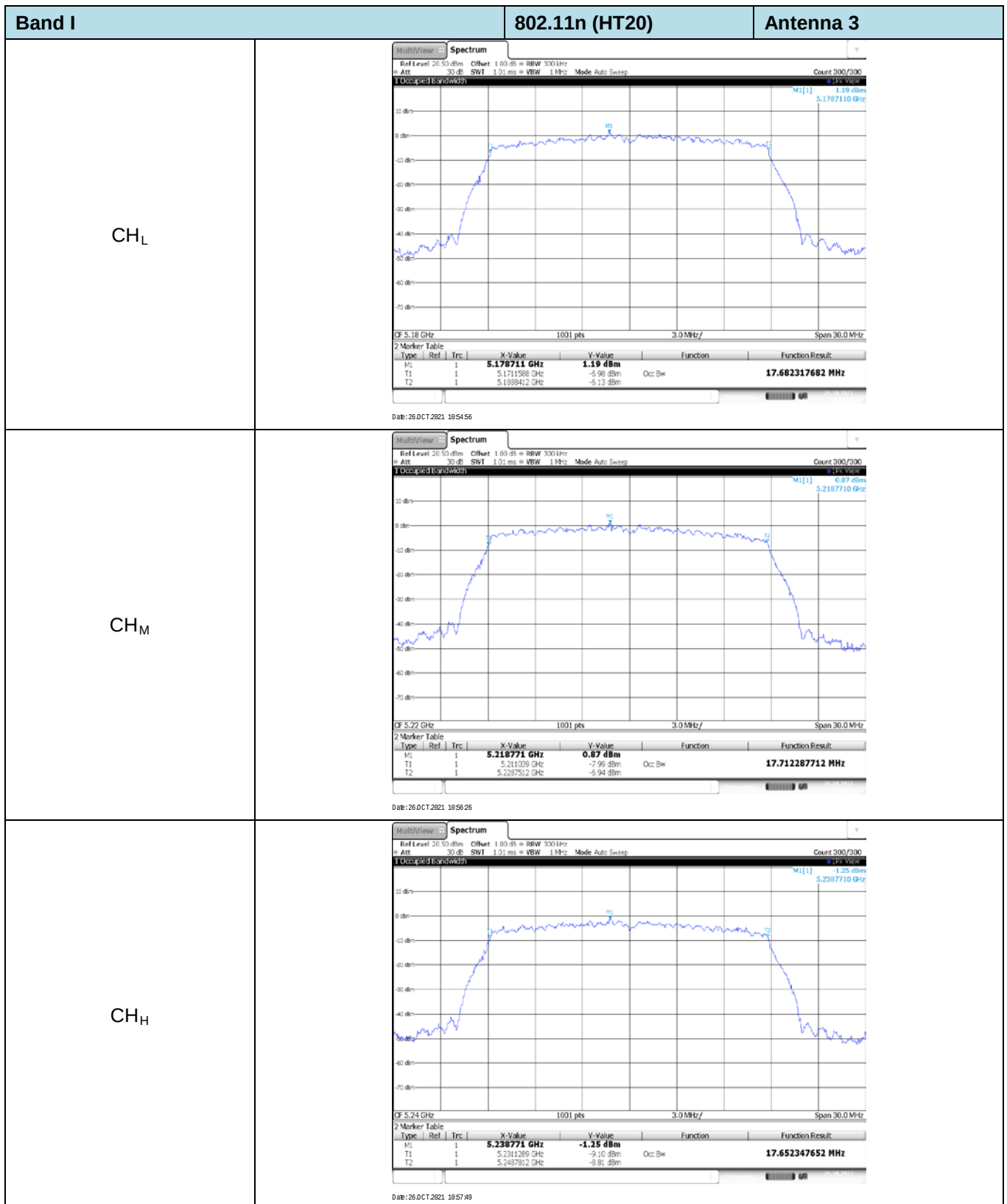
Band I	802.11n (HT20)	Antenna 2																																																																																					
CH _L	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB = RBW 300 kHz Att 30 dB SWI 1.01 ms = VBW 1 MHz Mode Auto Sweep Count 200/200 1 Occupied Bandwidth MU[1] 6.78 dBm 5.1806590 GHz GF 5.18 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>5.180659 GHz</td><td>0.78 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.1710689 GHz</td><td>-8.97 dBm</td><td>Occ BW</td><td>17.712287712 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.1887812 GHz</td><td>-8.07 dBm</td><td></td><td></td></tr></table> Date:26.OCT.2021 18:47:48	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.180659 GHz	0.78 dBm			T1	1		5.1710689 GHz	-8.97 dBm	Occ BW	17.712287712 MHz	T2	1		5.1887812 GHz	-8.07 dBm			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 200/200 1 Occupied Bandwidth MU[1] 6.11 dBm 5.2205990 GHz GF 5.22 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>5.220599 GHz</td><td>0.11 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.2111588 GHz</td><td>-8.25 dBm</td><td>Occ BW</td><td>17.712287712 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.2288711 GHz</td><td>-9.09 dBm</td><td></td><td></td></tr></table> Date:26.OCT.2021 18:51:57	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.220599 GHz	0.11 dBm			T1	1		5.2111588 GHz	-8.25 dBm	Occ BW	17.712287712 MHz	T2	1		5.2288711 GHz	-9.09 dBm			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 200/200 1 Occupied Bandwidth MU[1] 1.34 dBm 5.2405990 GHz GF 5.24 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>5.240599 GHz</td><td>1.34 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.2311888 GHz</td><td>-7.22 dBm</td><td>Occ BW</td><td>17.682317682 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.2488711 GHz</td><td>-7.78 dBm</td><td></td><td></td></tr></table> Date:26.OCT.2021 18:53:19	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.240599 GHz	1.34 dBm			T1	1		5.2311888 GHz	-7.22 dBm	Occ BW	17.682317682 MHz	T2	1		5.2488711 GHz	-7.78 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																																																																																	
M1	1		5.180659 GHz	0.78 dBm																																																																																			
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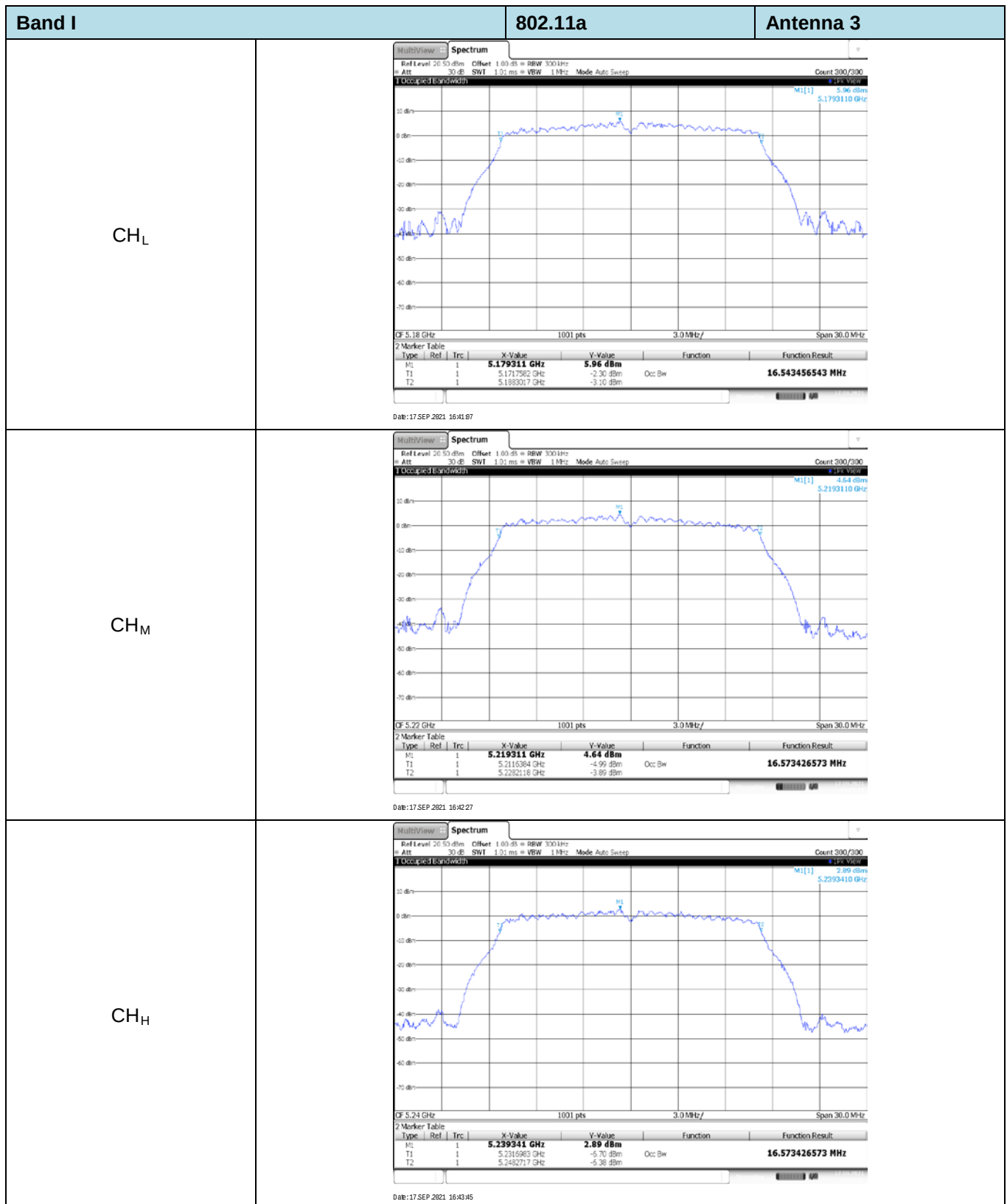


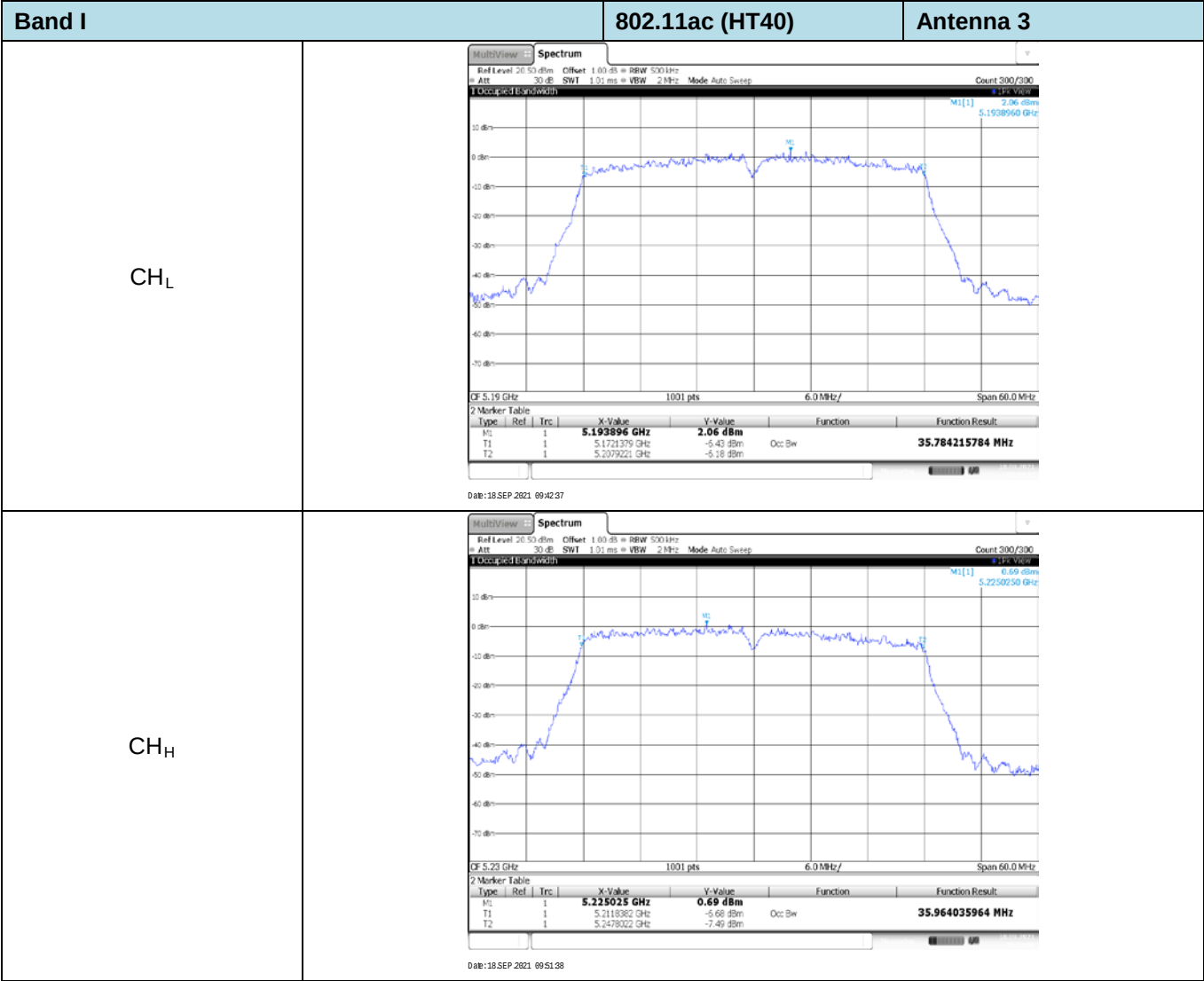


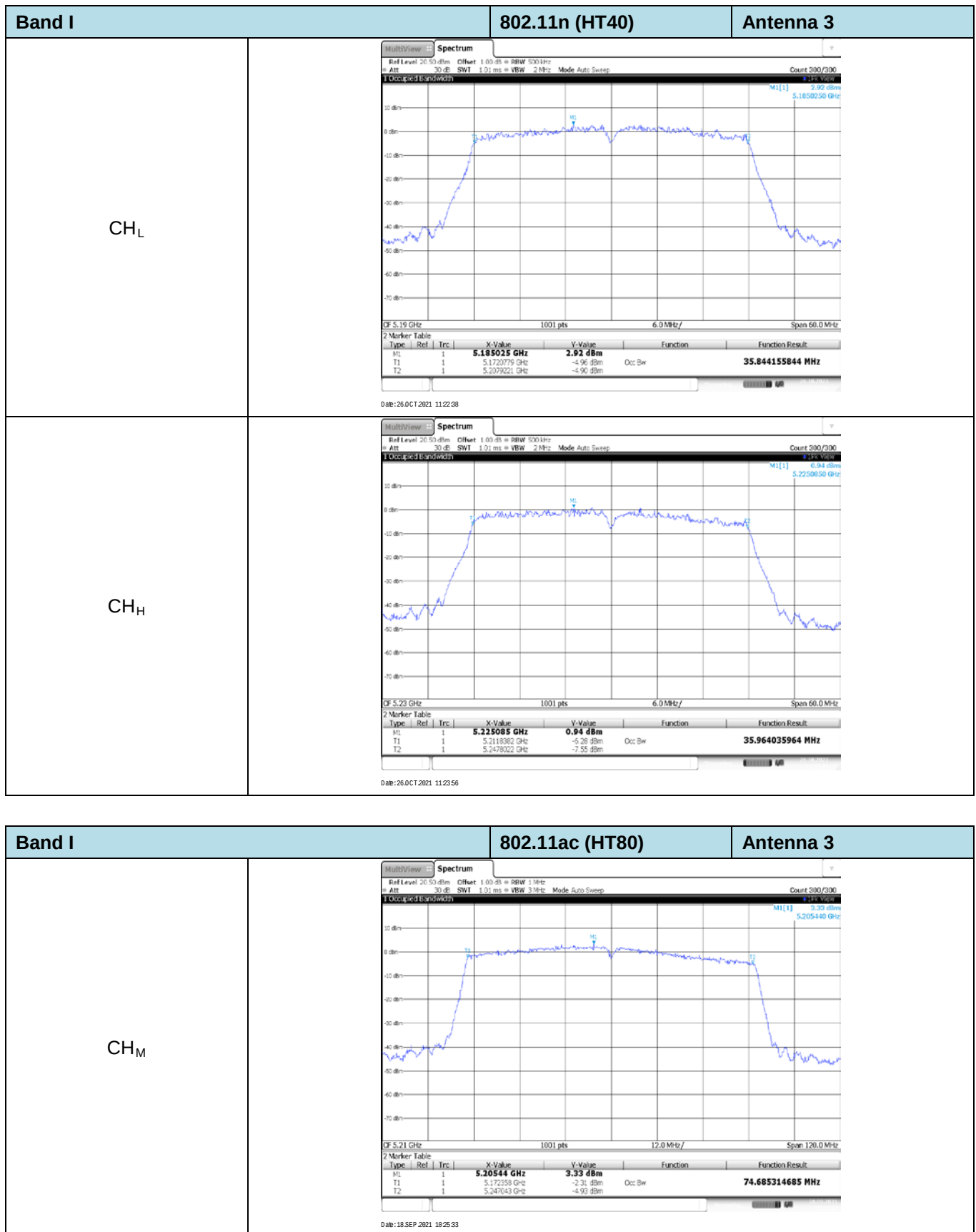






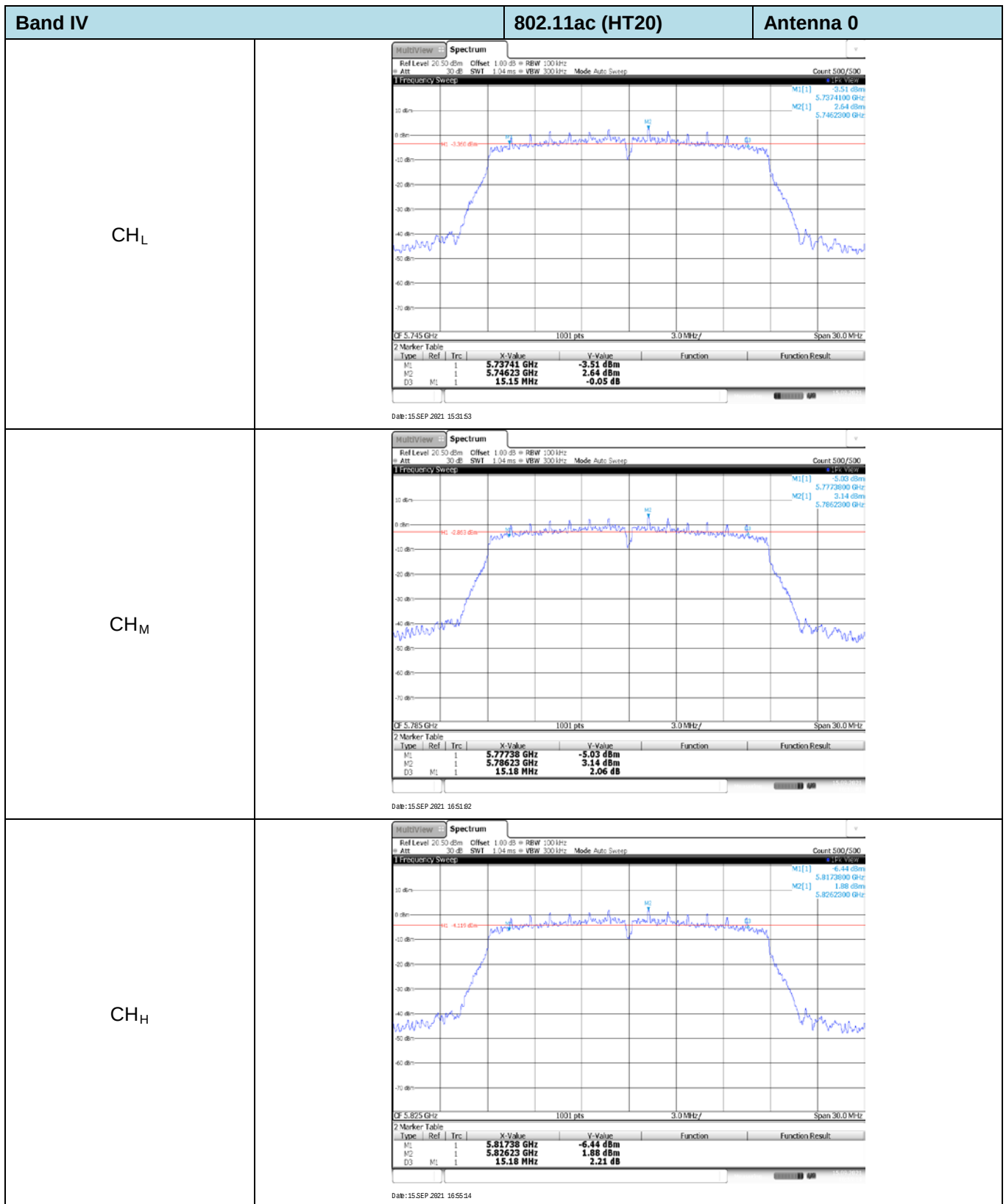


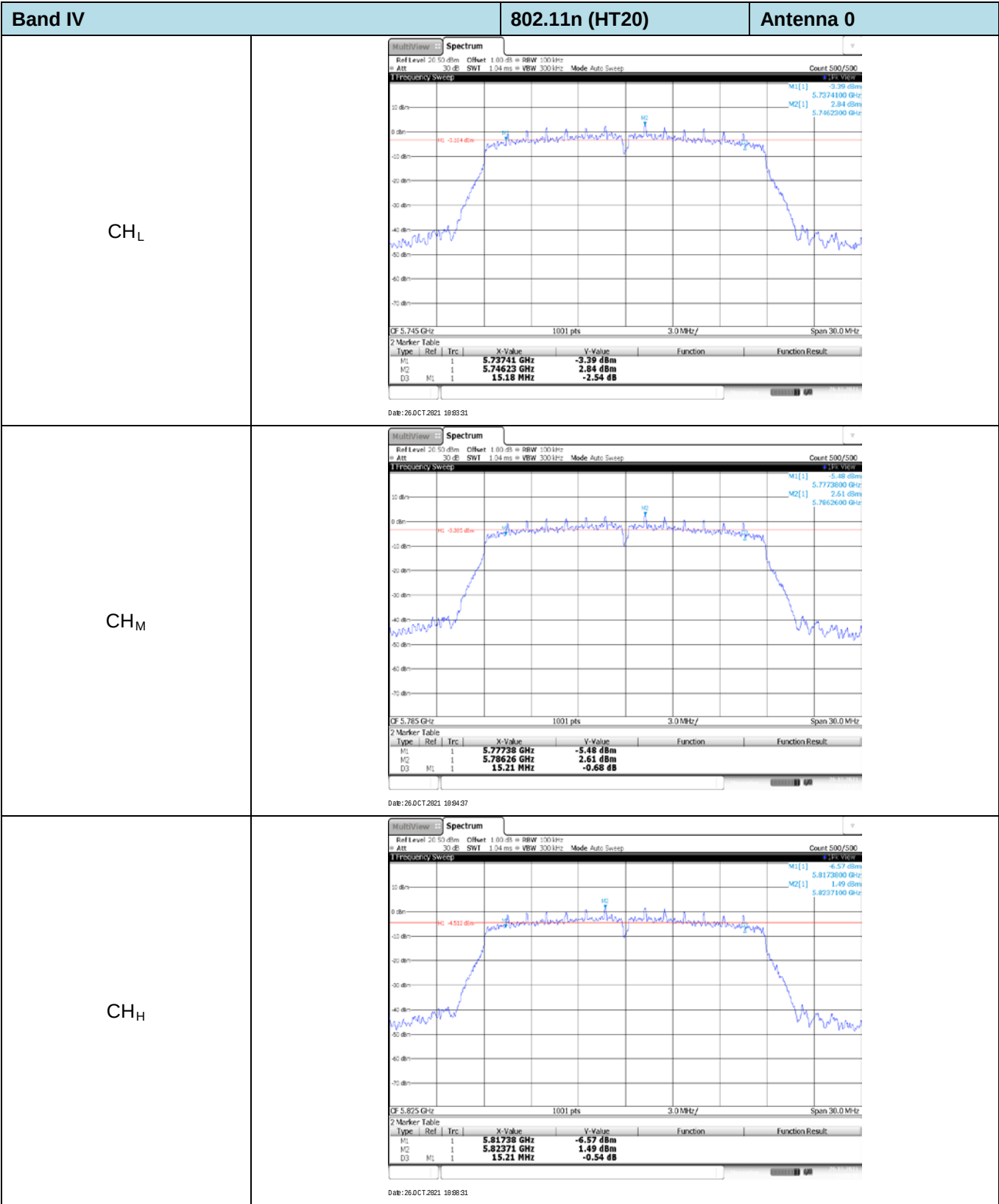




Appendix E: 6dB Bandwidth

Band	Bandwidth (MHz)	Type	Channel	6dB bandwidth (MHz)		Result
				Antenna 0	Antenna 1	
IV	20	802.11ac	CH _L	15.15	15.18	Pass
			CH _M	15.18	15.75	
			CH _H	15.18	15.75	
		802.11n	CH _L	15.18	15.21	Pass
			CH _M	15.21	15.75	
			CH _H	15.21	15.21	
		802.11a	CH _L	15.18	15.18	Pass
			CH _M	15.18	15.18	
			CH _H	15.18	15.18	
	40	802.11ac	CH _L	35.22	35.22	Pass
			CH _H	35.22	35.52	
		802.11n	CH _L	35.30	35.30	Pass
			CH _H	35.30	35.30	
	80	802.11ac	CH _M	71.52	75.24	Pass





Band IV

802.11a

Antenna 0

CH _L	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWI 1.04 ms = VBW 300 kHz Mode Auto Sweep Count 500/500 5.7738 GHz Frequency Sweep M1(1) -3.90 dBm M2(1) 5.773800 GHz M3(1) 4.32 dBm M4(1) 5.7437100 GHz OF 5.745 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>5.7738 GHz</td><td>-3.90 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.74371 GHz</td><td>4.32 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>15.18 MHz</td><td>2.10 dB</td><td></td><td></td></tr></table> Date: 15 SEP 2021 15:53:07	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.7738 GHz	-3.90 dBm			M2	1		5.74371 GHz	4.32 dBm			D3	M1	1	15.18 MHz	2.10 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.7738 GHz	-3.90 dBm																									
M2	1		5.74371 GHz	4.32 dBm																									
D3	M1	1	15.18 MHz	2.10 dB																									

CH _M	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWI 1.04 ms = VBW 300 kHz Mode Auto Sweep Count 500/500 5.7738 GHz Frequency Sweep M1(1) -3.92 dBm M2(1) 5.773800 GHz M3(1) 4.09 dBm M4(1) 5.7637100 GHz OF 5.765 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>5.7738 GHz</td><td>-3.92 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.76371 GHz</td><td>4.09 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>15.18 MHz</td><td>1.70 dB</td><td></td><td></td></tr></table> Date: 15 SEP 2021 15:13:47	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.7738 GHz	-3.92 dBm			M2	1		5.76371 GHz	4.09 dBm			D3	M1	1	15.18 MHz	1.70 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.7738 GHz	-3.92 dBm																									
M2	1		5.76371 GHz	4.09 dBm																									
D3	M1	1	15.18 MHz	1.70 dB																									

CH _H	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB = RBW 100 kHz Att 30 dB SWI 1.04 ms = VBW 300 kHz Mode Auto Sweep Count 500/500 5.81736 GHz Frequency Sweep M1(1) -4.47 dBm M2(1) 5.8173600 GHz M3(1) 3.53 dBm M4(1) 5.8237100 GHz OF 5.825 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>5.81738 GHz</td><td>-4.47 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.82371 GHz</td><td>3.53 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>15.18 MHz</td><td>1.87 dB</td><td></td><td></td></tr></table> Date: 15 SEP 2021 15:19:07	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.81738 GHz	-4.47 dBm			M2	1		5.82371 GHz	3.53 dBm			D3	M1	1	15.18 MHz	1.87 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.81738 GHz	-4.47 dBm																									
M2	1		5.82371 GHz	3.53 dBm																									
D3	M1	1	15.18 MHz	1.87 dB																									

