

APPENDIX REPORT

Project No.	SHT2106117007EW	Radio Specification	WIFI 5G
Test sample No.	YPHT21061170008	Model No.	C6100
Start test date	2021-10-19	Finish date	2021-10-19
Temperature	25.7℃	Humidity	30%
Test Engineer	Xiaoqin Li	Auditor	Xiaodong Zheo

Appendix clause	Test item	Result
A	Maximum Conducted Output Power	PASS
B	Maximum Power Spectral Density	PASS
C	26 dB Bandwidth	PASS
D	99% Occupy bandwidth	PASS
E	6 dB Bandwidth	PASS
F	Frequency stability	PASS

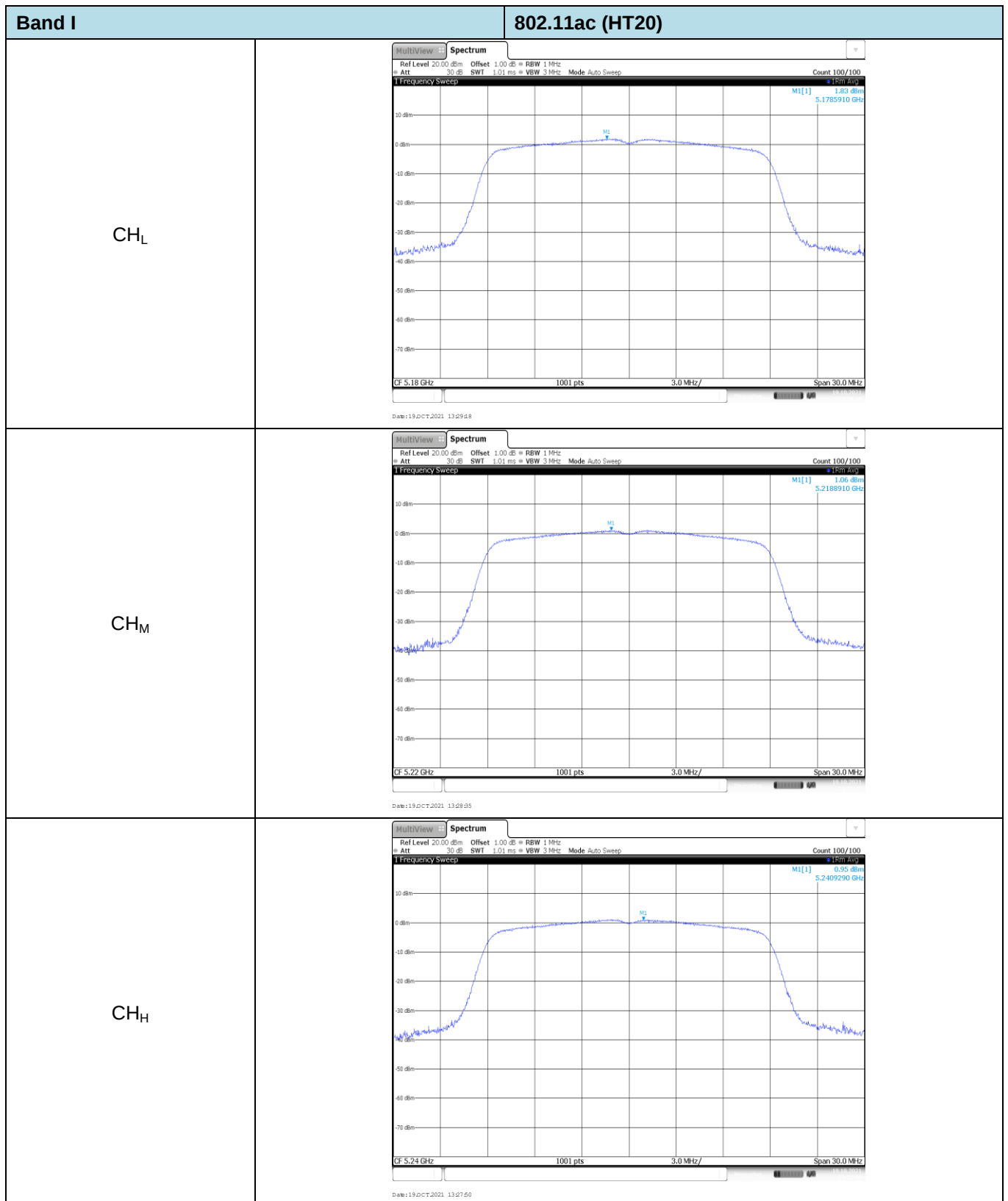
Appendix A: Maximum Conducted Output Power

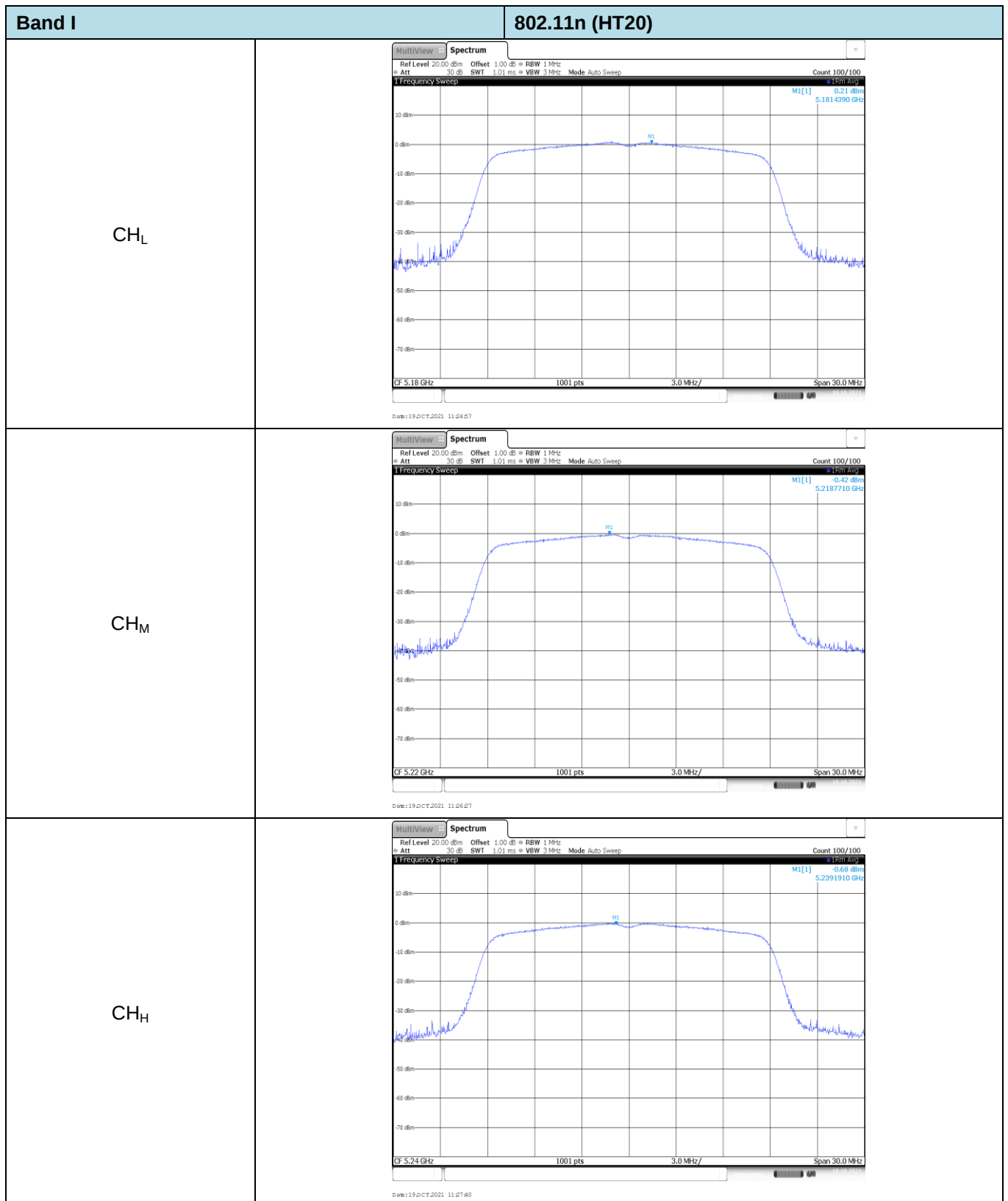
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Conducted Output Power (dBm)	Limit (dBm)	Result
I	20	802.11ac	CH _L	11.27	96.57	0.15	11.42	24.00	Pass
			CH _M	10.82	96.48	0.16	10.98		
			CH _H	11.29	96.58	0.15	11.44		
		802.11n	CH _L	9.85	96.55	0.15	10.00	24.00	Pass
			CH _M	9.47	96.55	0.15	9.62		
			CH _H	9.90	96.55	0.15	10.05		
		802.11a	CH _L	10.25	96.77	0.14	10.39	24.00	Pass
			CH _M	9.17	96.77	0.14	9.31		
			CH _H	10.12	96.77	0.14	10.26		
	40	802.11ac	CH _L	10.77	93.48	0.29	11.06	24.00	Pass
			CH _H	10.92	93.48	0.29	11.21		
		802.11n	CH _L	9.14	93.45	0.29	9.43	24.00	Pass
			CH _H	9.03	93.44	0.29	9.32		
	80	802.11ac	CH _M	10.67	87.69	0.57	11.24	24.00	Pass
IV	20	802.11ac	CH _L	10.42	96.58	0.15	10.57	30.00	Pass
			CH _M	11.00	96.57	0.15	11.15		
			CH _H	11.95	96.58	0.15	12.10		
		802.11n	CH _L	10.43	96.55	0.15	10.58	30.00	Pass
			CH _M	11.21	96.55	0.15	11.36		
			CH _H	12.02	96.55	0.15	12.17		
		802.11a	CH _L	10.48	96.68	0.15	10.63	30.00	Pass
			CH _M	10.73	96.77	0.14	10.87		
			CH _H	12.11	96.68	0.15	12.26		
	40	802.11ac	CH _L	10.37	93.48	0.29	10.66	30.00	Pass
			CH _H	11.13	93.48	0.29	11.42		
		802.11n	CH _L	10.32	93.53	0.29	10.61	30.00	Pass
			CH _H	11.17	93.45	0.29	11.46		
	80	802.11ac	CH _M	10.46	87.67	0.57	11.03	30.00	Pass

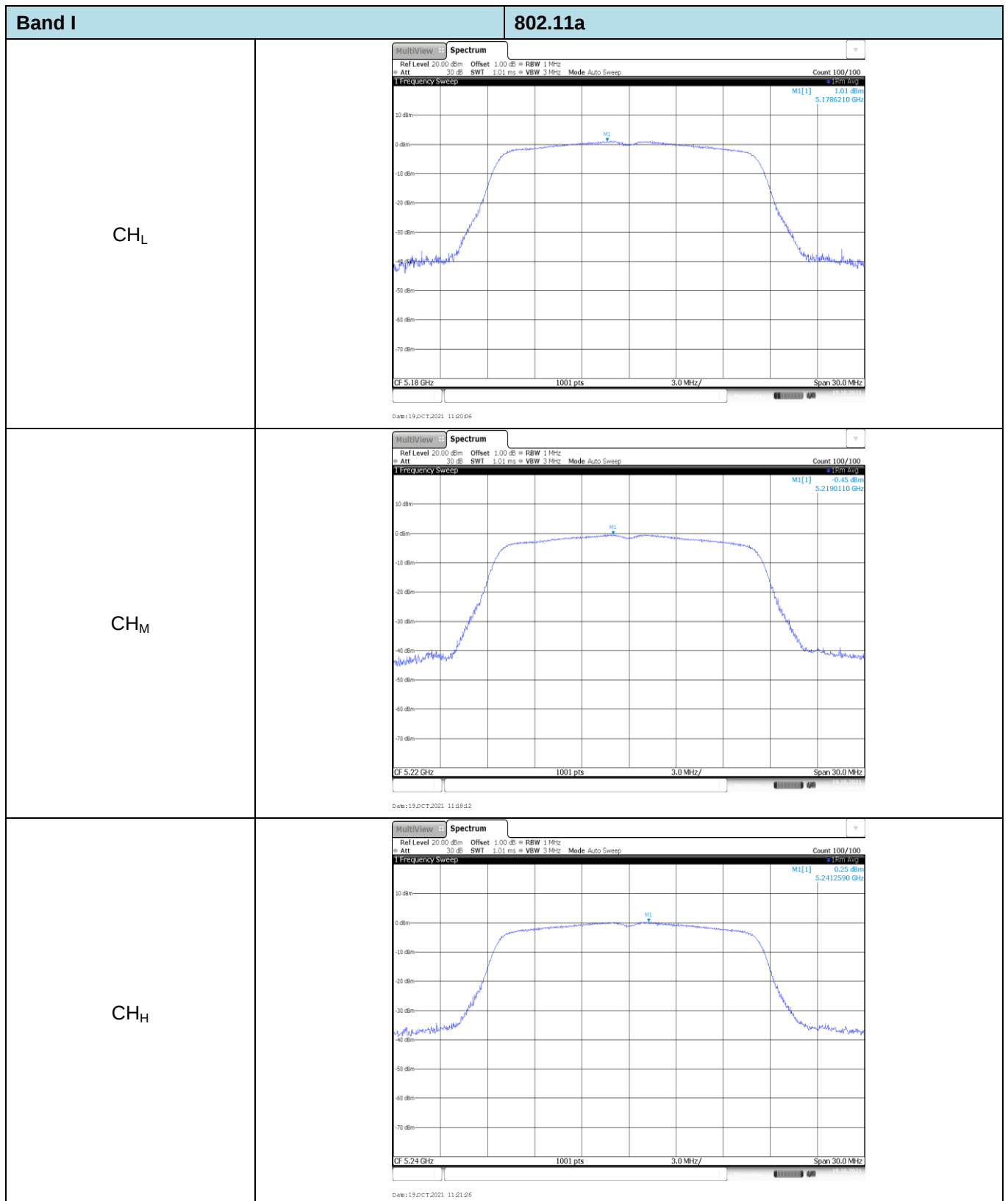
NOTE: duty cycle factor = 10LOG(1/ duty cycle)

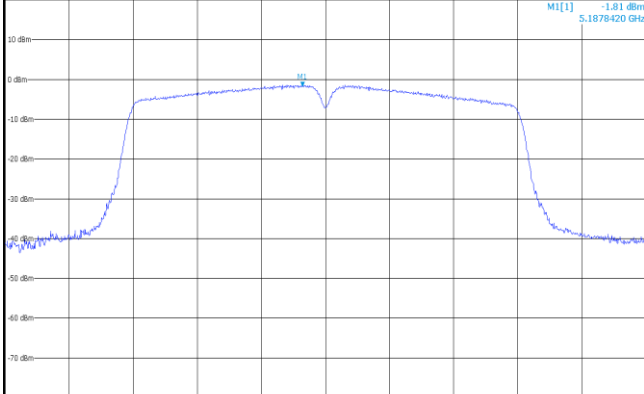
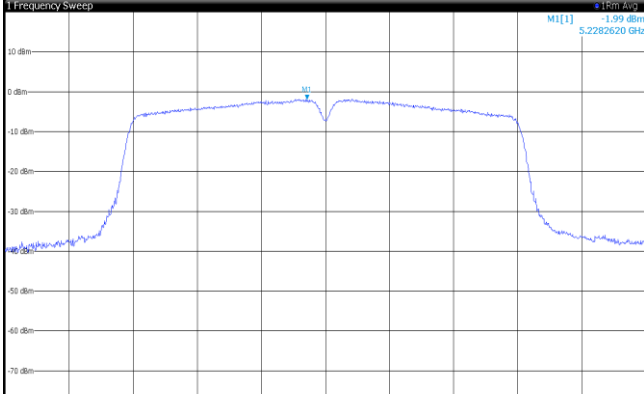
Appendix B: Maximum Power Spectral Density

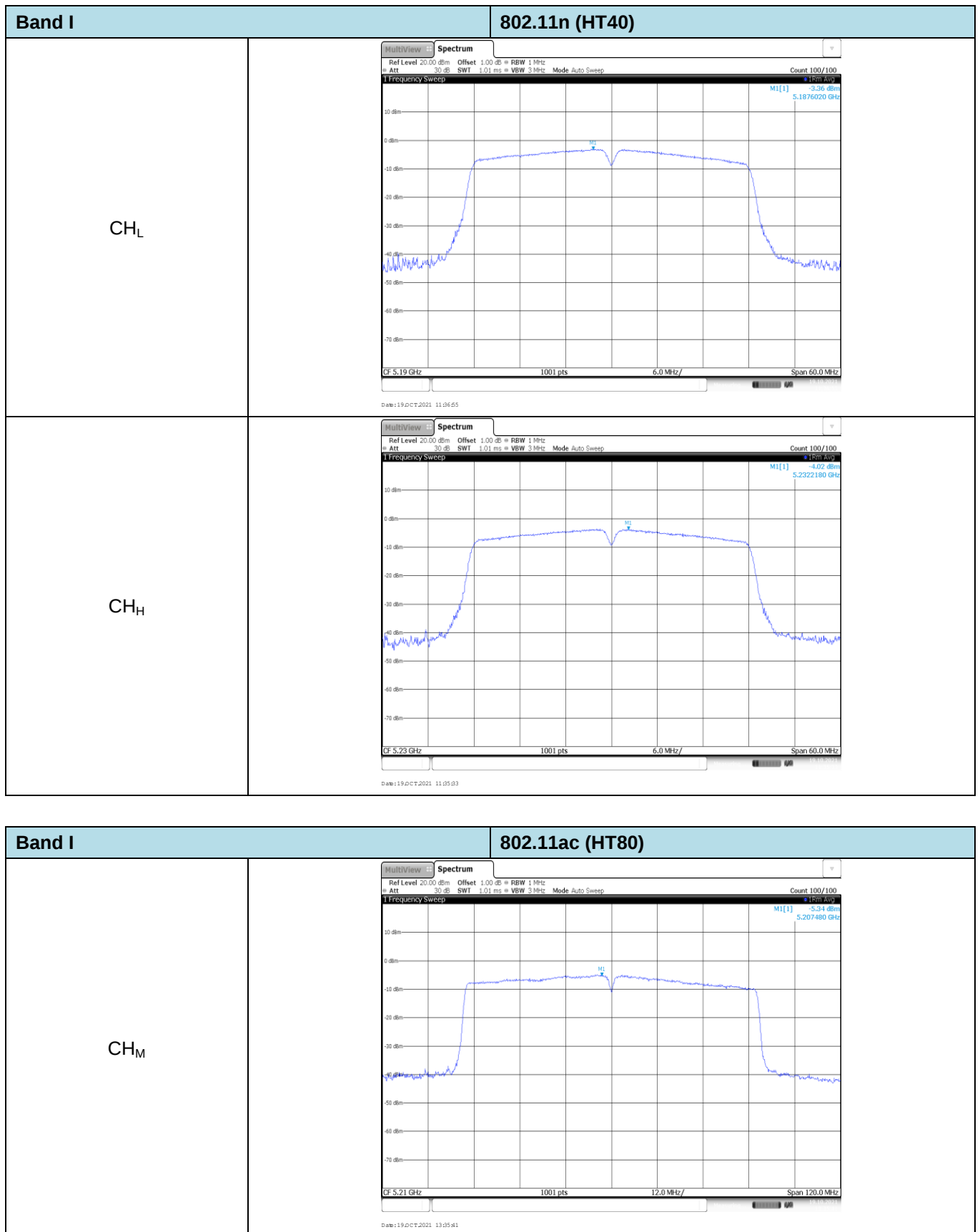
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
I	20	802.11ac	CH _L	1.83	96.57	0.15	1.98	11.00	Pass
			CH _M	1.06	96.48	0.16	1.22		
			CH _H	0.95	96.58	0.15	1.10		
		802.11n	CH _L	0.21	96.55	0.15	0.36	11.00	Pass
			CH _M	-0.42	96.55	0.15	-0.27		
			CH _H	-0.68	96.55	0.15	-0.53		
		802.11a	CH _L	1.01	96.77	0.14	1.15	11.00	Pass
			CH _M	-0.45	96.77	0.14	-0.31		
			CH _H	0.25	96.77	0.14	0.39		
	40	802.11ac	CH _L	-1.81	93.48	0.29	-1.52	11.00	Pass
			CH _H	-1.99	93.48	0.29	-1.70		
		802.11n	CH _L	-3.36	93.45	0.29	-3.07	11.00	Pass
			CH _H	-4.02	93.44	0.29	-3.73		
	80	802.11ac	CH _M	-5.34	87.69	0.57	-4.77	11.00	Pass
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/500KHz)	Limit (dBm/500KHz)	Result
IV	20	802.11ac	CH _L	-2.03	96.58	0.15	-1.88	30.00	Pass
			CH _M	-2.06	96.57	0.15	-1.91		
			CH _H	-1.97	96.58	0.15	-1.82		
		802.11n	CH _L	-1.83	96.55	0.15	-1.68	30.00	Pass
			CH _M	-1.82	96.55	0.15	-1.67		
			CH _H	-2.26	96.55	0.15	-2.11		
		802.11a	CH _L	-1.95	96.68	0.15	-1.80	30.00	Pass
			CH _M	-1.80	96.77	0.14	-1.66		
			CH _H	-1.22	96.68	0.15	-1.07		
	40	802.11ac	CH _L	-5.57	93.48	0.29	-5.28	30.00	Pass
			CH _H	-5.25	93.48	0.29	-4.96		
		802.11n	CH _L	-5.39	93.53	0.29	-5.10	30.00	Pass
			CH _H	-5.04	93.45	0.29	-4.75		
	80	802.11ac	CH _M	-8.55	87.67	0.57	-7.98	30.00	Pass

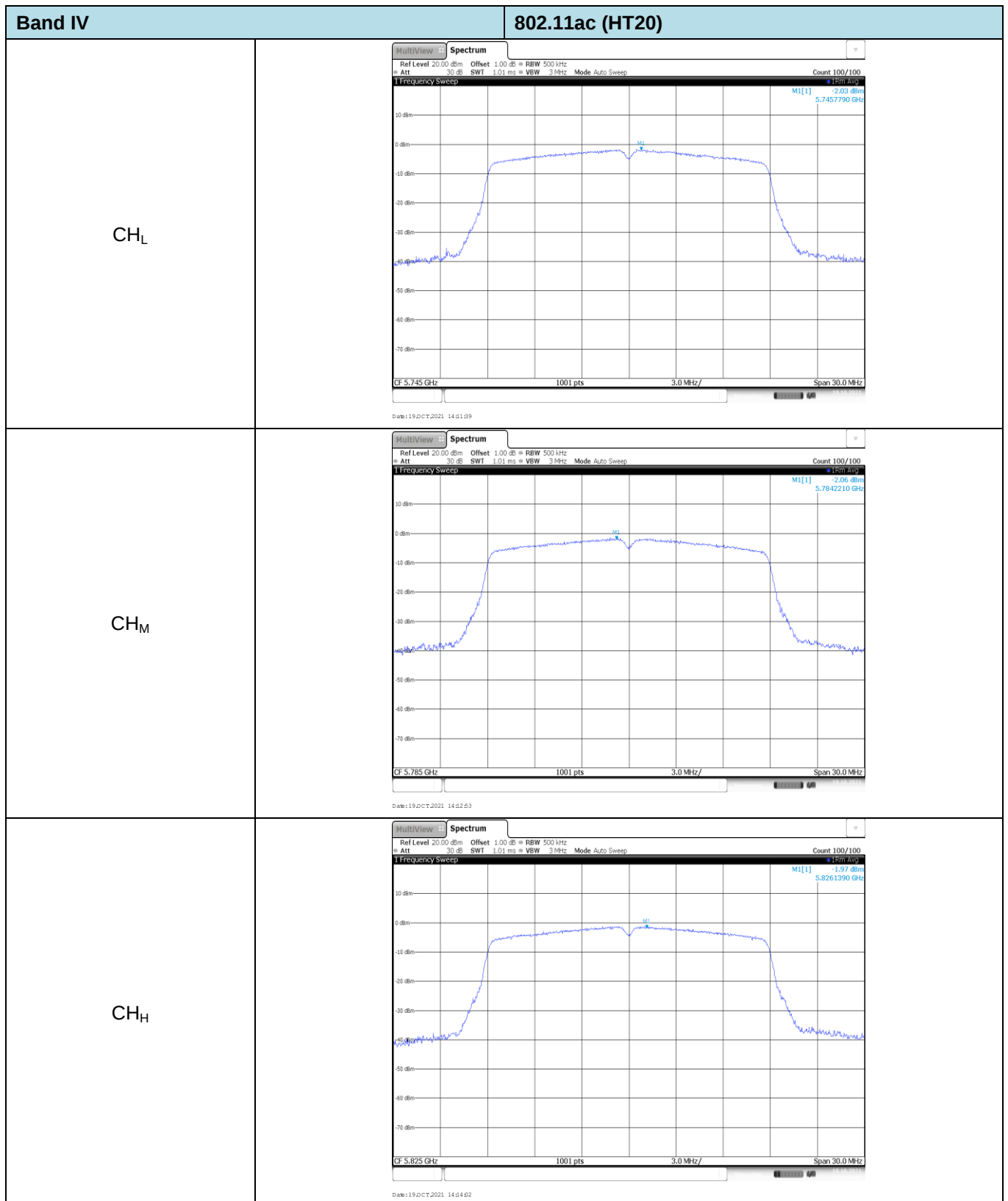


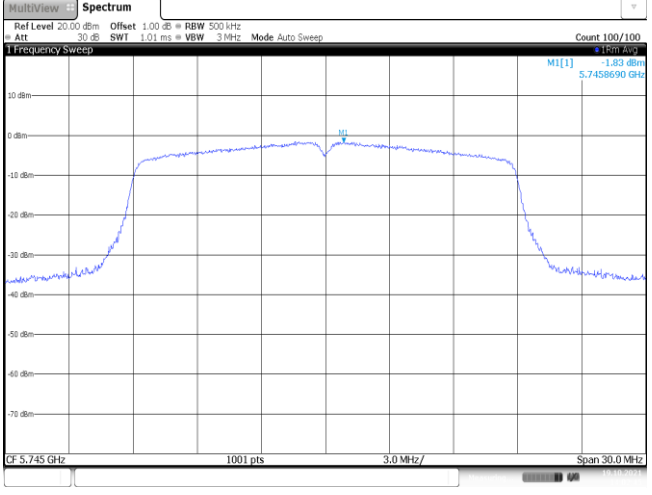
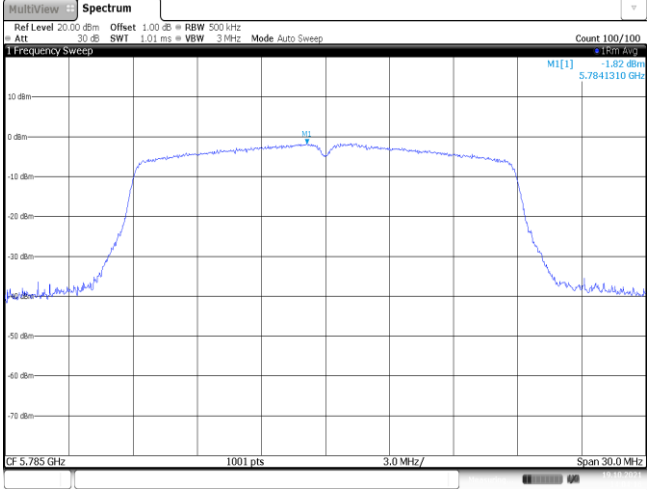
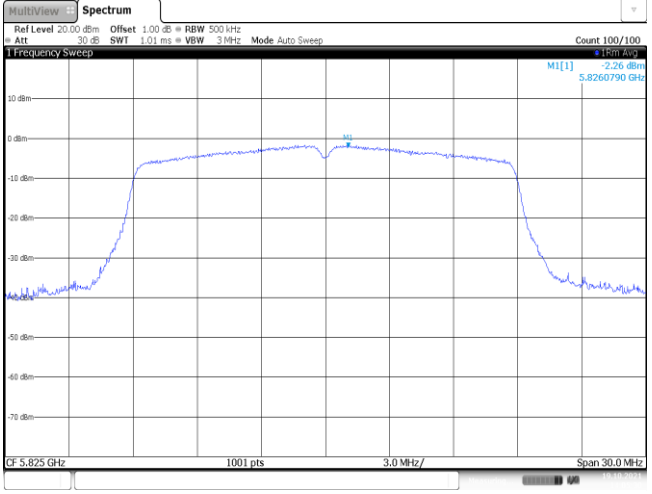


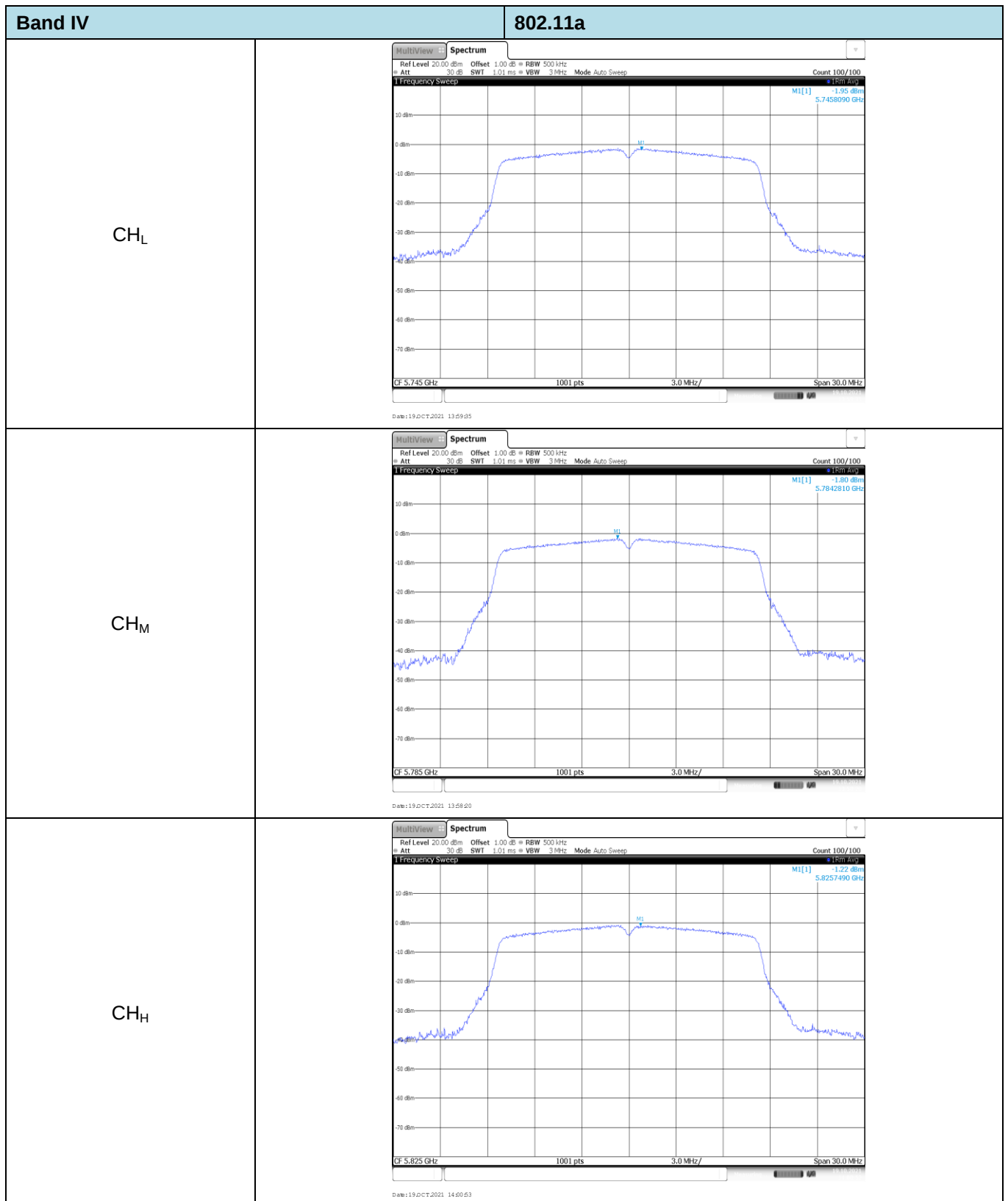


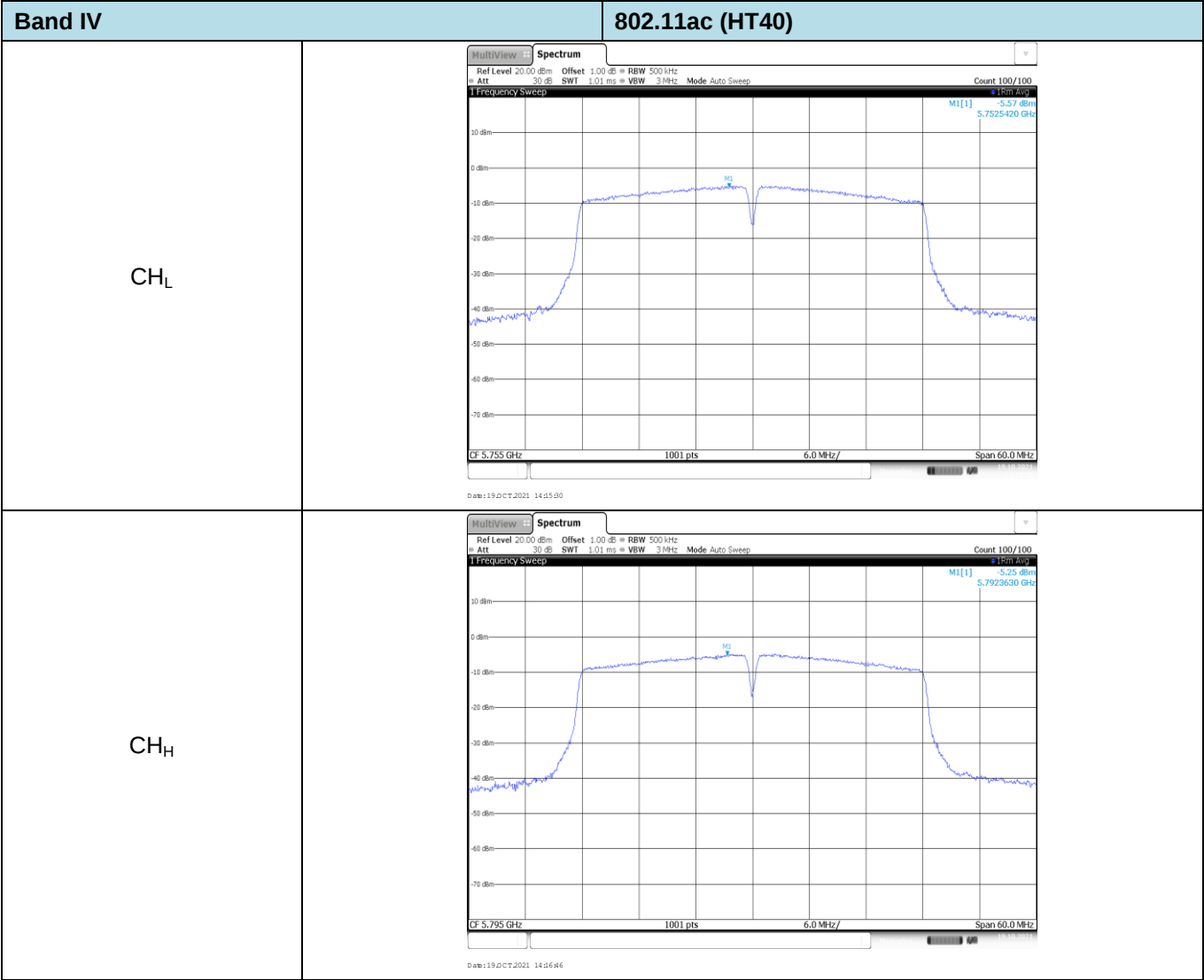
Band I		802.11ac (HT40)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.00 Offset 1.00 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 PM Avg Frequency Sweep MU[1] -1.81 dBm 5.1878420 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm  CF 5.19 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date:19/OCT/2021 13:02:06	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30.00 Offset 1.00 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 PM Avg Frequency Sweep MU[1] -1.99 dBm 5.2282620 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm  CF 5.23 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date:19/OCT/2021 13:04:03	

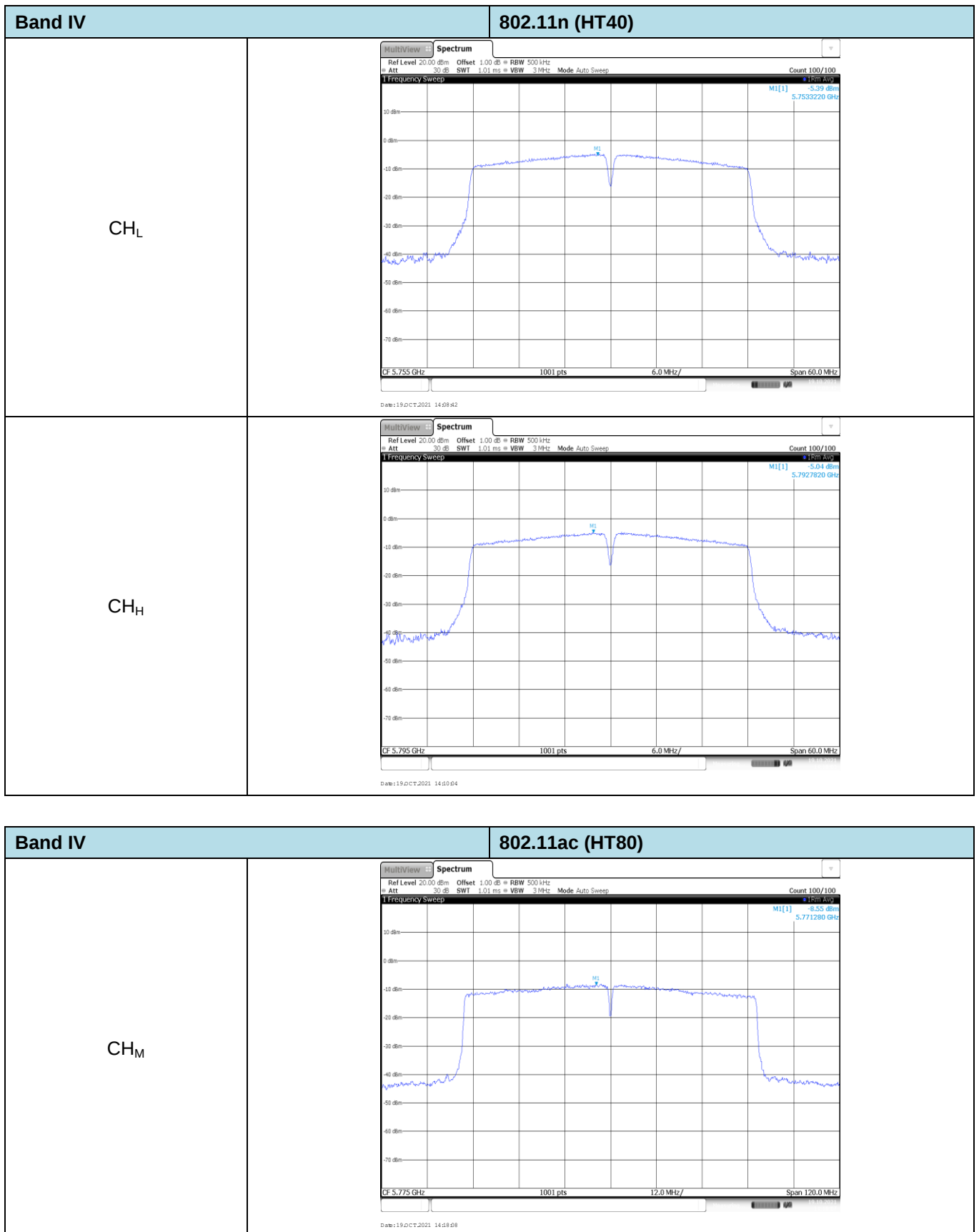




Band IV	802.11n (HT20)
CH _L	 Ref Level 20.00 dBm Offset 1.00 dB BW 500 kHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MU(1) -1.83 dBm 5.7458690 GHz CF 5.745 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 19/07/2021 14:42:45
CH _M	 Ref Level 20.00 dBm Offset 1.00 dB BW 500 kHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MU(1) -1.82 dBm 5.7841310 GHz CF 5.785 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 19/07/2021 14:44:16
CH _H	 Ref Level 20.00 dBm Offset 1.00 dB BW 500 kHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MU(1) -2.26 dBm 5.8260790 GHz CF 5.825 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 19/07/2021 14:45:41

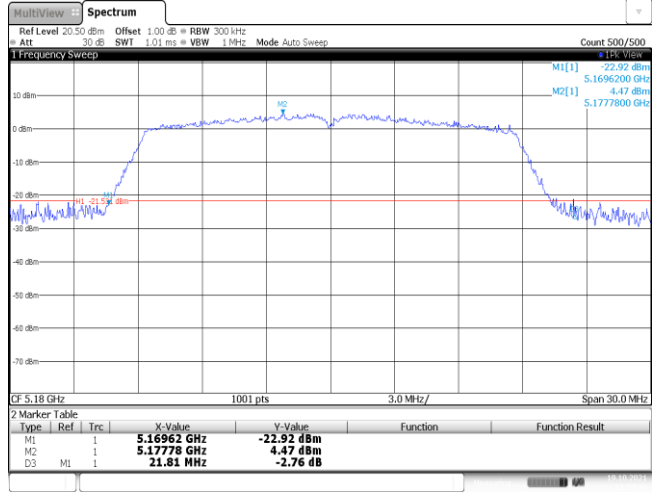
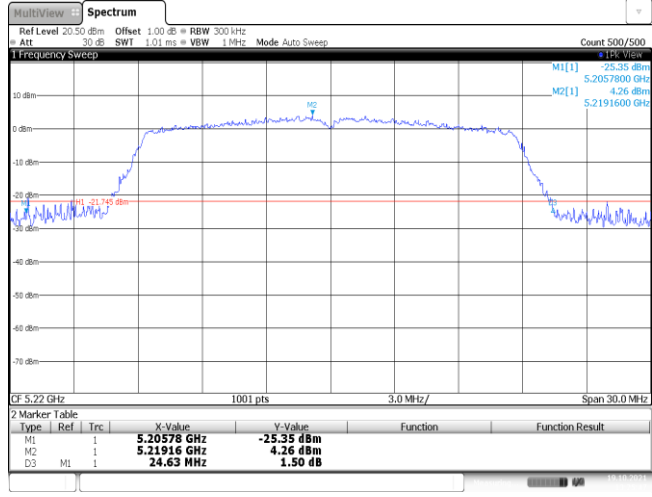
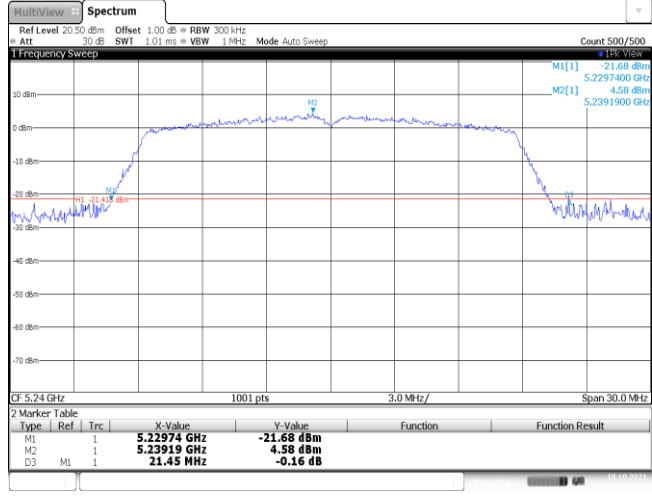


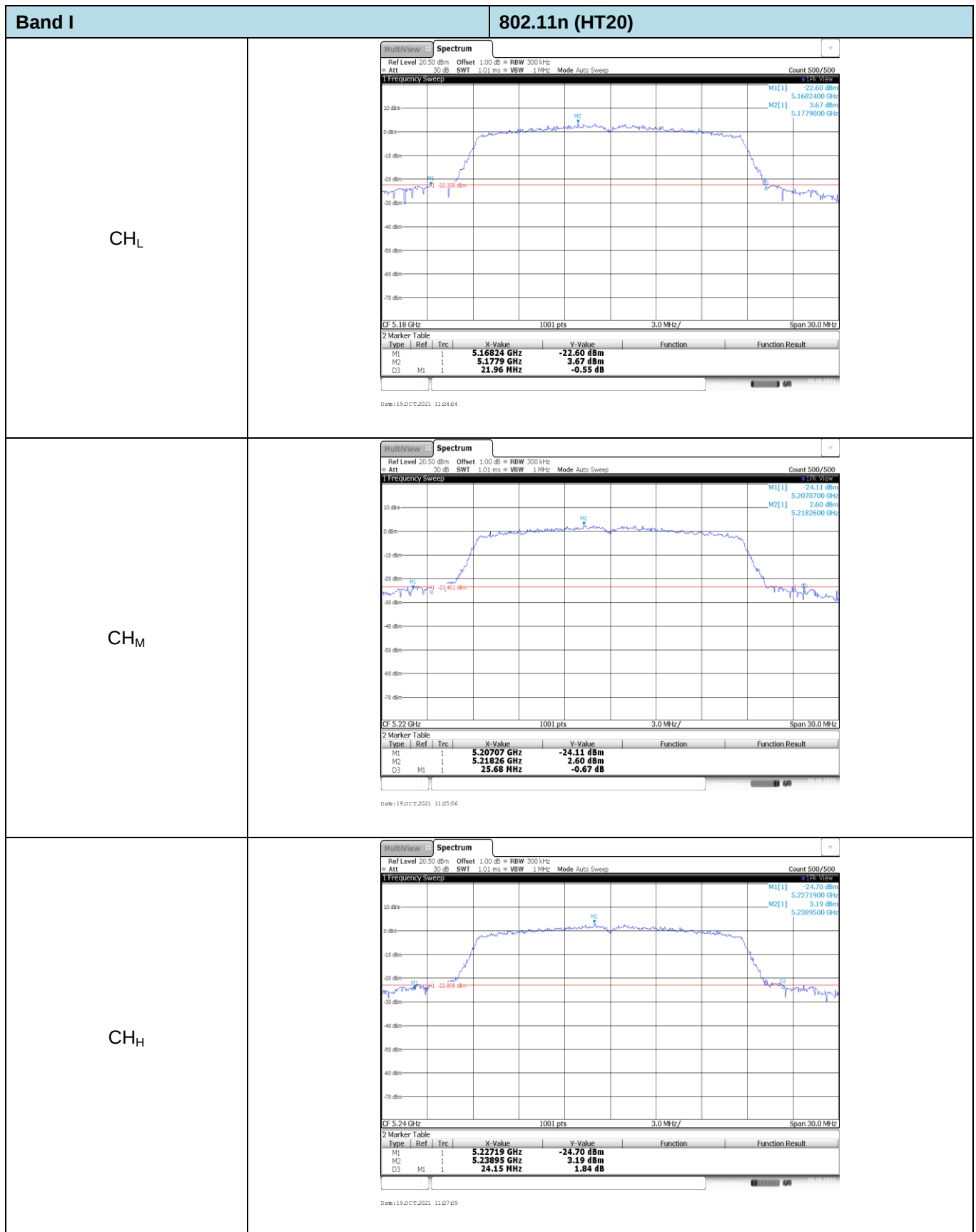


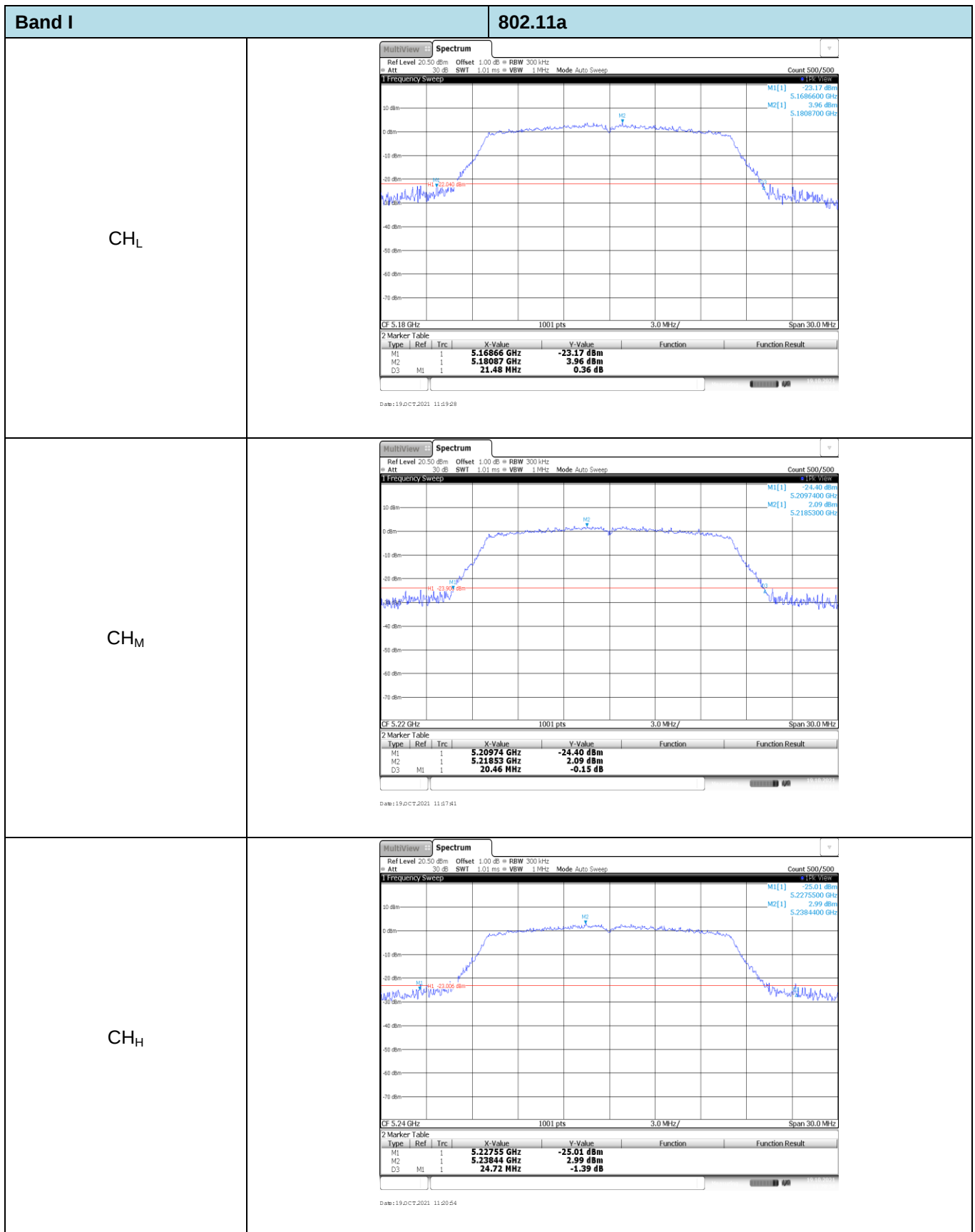


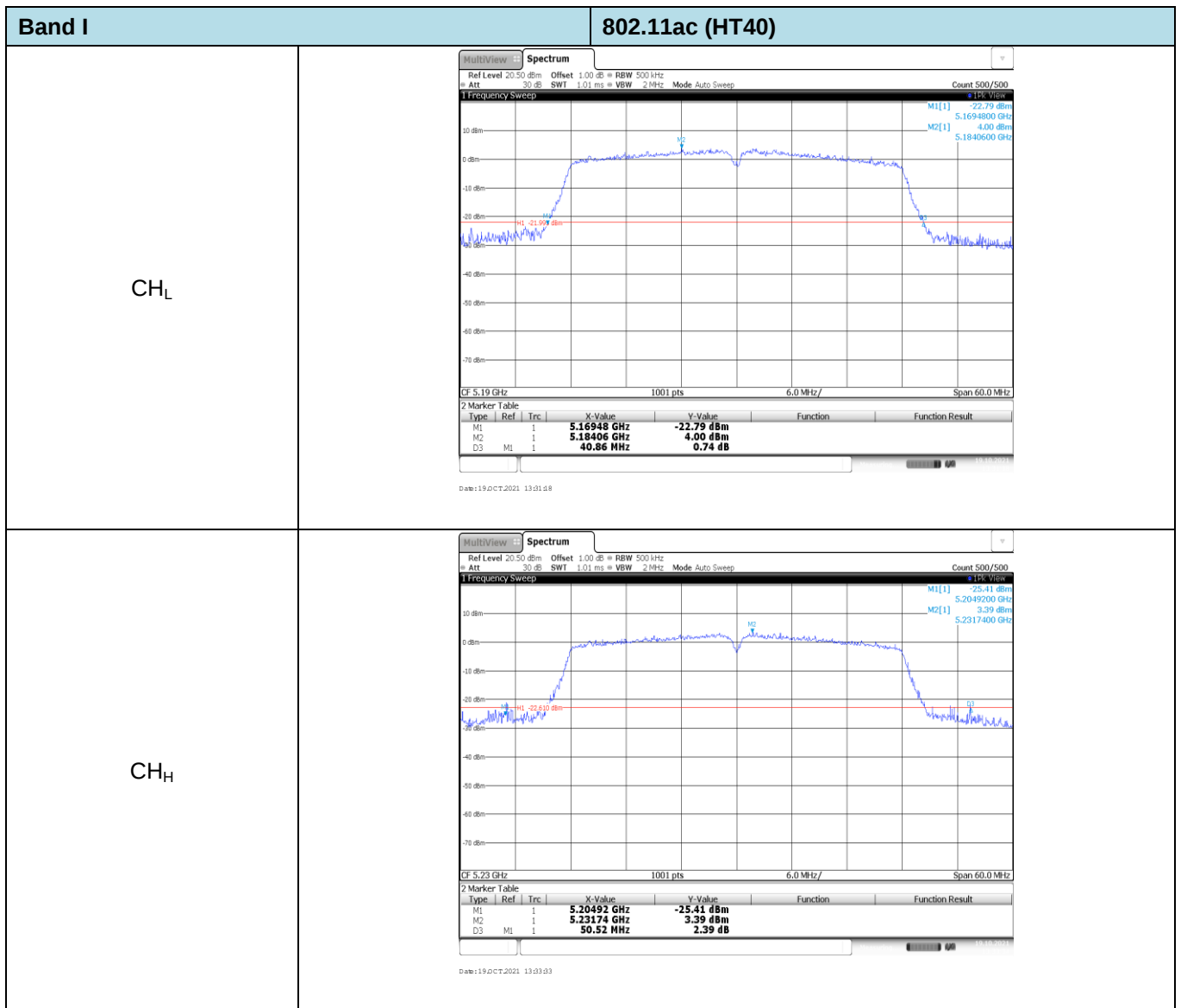
Appendix C: 26dB bandwidth

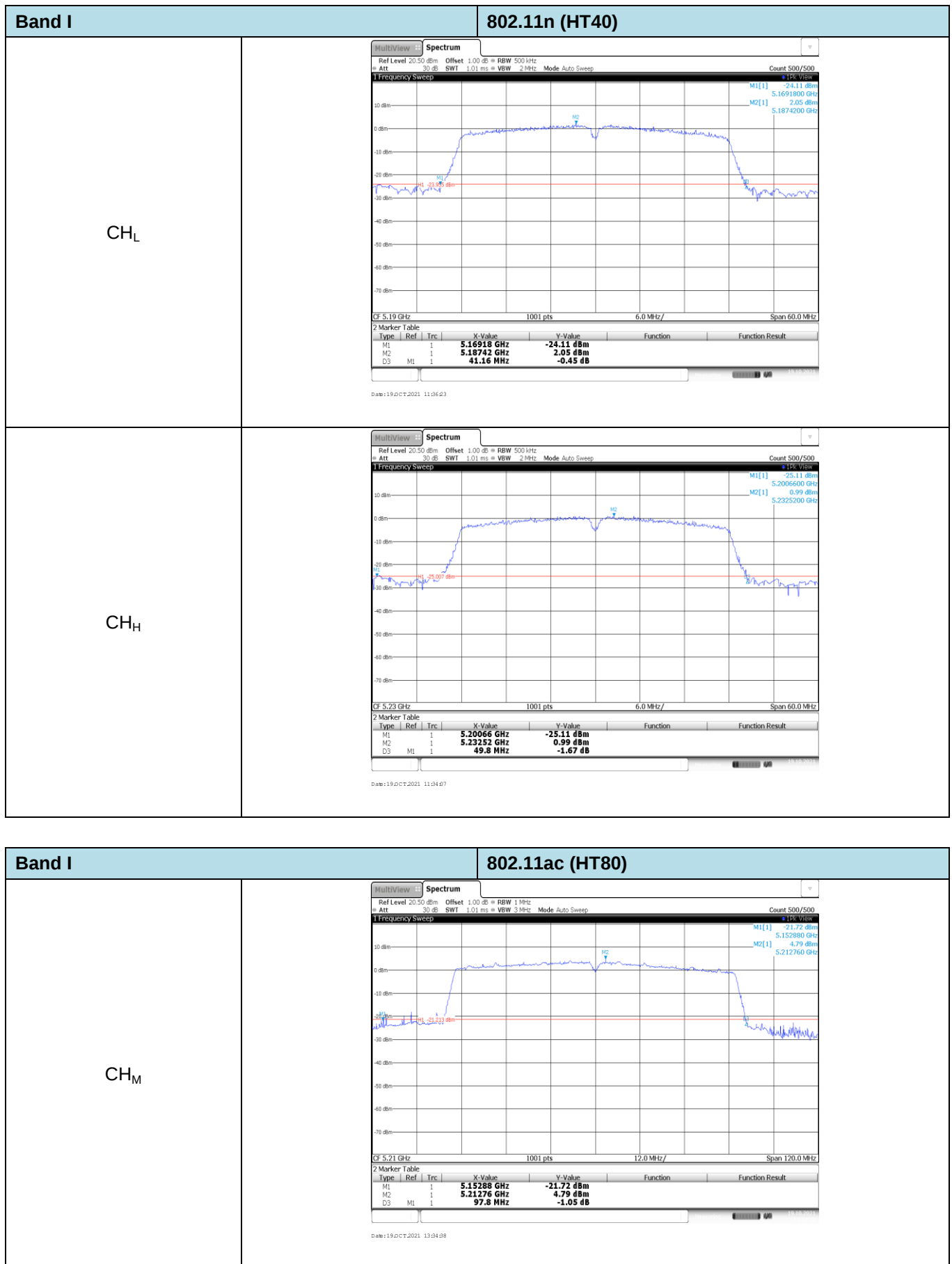
Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
I	20	802.11ac	CH _L	21.81	Pass
			CH _M	24.63	
			CH _H	21.45	
		802.11n	CH _L	21.96	Pass
			CH _M	25.68	
			CH _H	24.15	
		802.11a	CH _L	21.48	Pass
			CH _M	20.46	
			CH _H	24.72	
	40	802.11ac	CH _L	40.86	Pass
			CH _H	50.52	
		802.11n	CH _L	41.16	Pass
			CH _H	49.80	
	80	802.11ac	CH _M	97.80	Pass

Band I		802.11ac (HT20)																													
CH _L	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWF 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm  CF 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>5.16962 GHz</td><td>-22.92 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.17778 GHz</td><td>4.47 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>21.81 MHz</td><td>-2.76 dB</td><td></td><td></td></tr></table> Date: 19 OCT 2021 13:23:40			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.16962 GHz	-22.92 dBm			M2	1		5.17778 GHz	4.47 dBm			D3	M1	1	21.81 MHz	-2.76 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																									
M1	1		5.16962 GHz	-22.92 dBm																											
M2	1		5.17778 GHz	4.47 dBm																											
D3	M1	1	21.81 MHz	-2.76 dB																											
CH _M	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWF 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm  CF 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>5.20578 GHz</td><td>-25.35 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.21916 GHz</td><td>4.26 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>24.63 MHz</td><td>1.50 dB</td><td></td><td></td></tr></table> Date: 19 OCT 2021 13:25:47			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.20578 GHz	-25.35 dBm			M2	1		5.21916 GHz	4.26 dBm			D3	M1	1	24.63 MHz	1.50 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																									
M1	1		5.20578 GHz	-25.35 dBm																											
M2	1		5.21916 GHz	4.26 dBm																											
D3	M1	1	24.63 MHz	1.50 dB																											
CH _H	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWF 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm  CF 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>5.22974 GHz</td><td>-21.68 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.23919 GHz</td><td>4.58 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>21.45 MHz</td><td>-0.16 dB</td><td></td><td></td></tr></table> Date: 19 OCT 2021 13:26:53			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.22974 GHz	-21.68 dBm			M2	1		5.23919 GHz	4.58 dBm			D3	M1	1	21.45 MHz	-0.16 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																									
M1	1		5.22974 GHz	-21.68 dBm																											
M2	1		5.23919 GHz	4.58 dBm																											
D3	M1	1	21.45 MHz	-0.16 dB																											



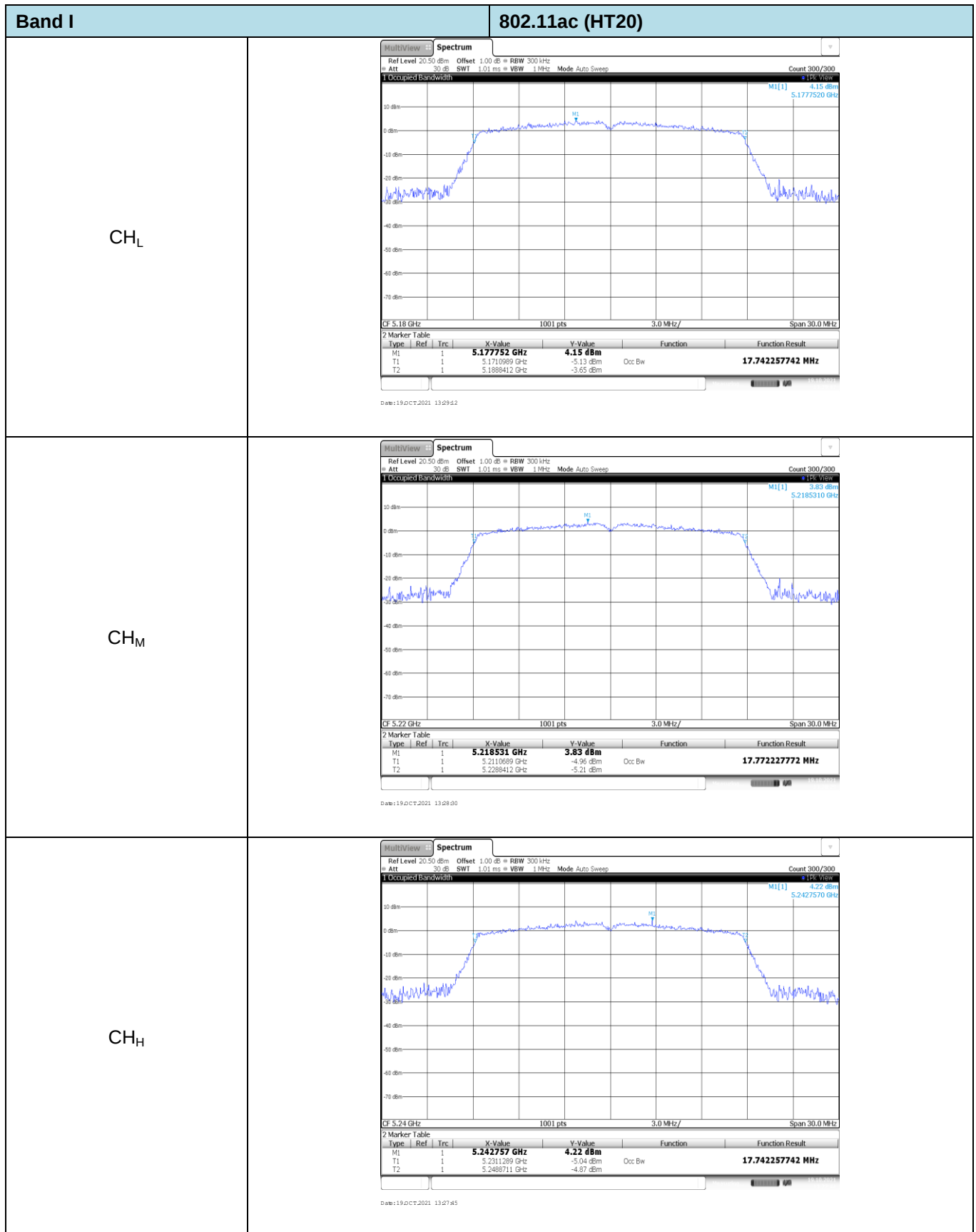


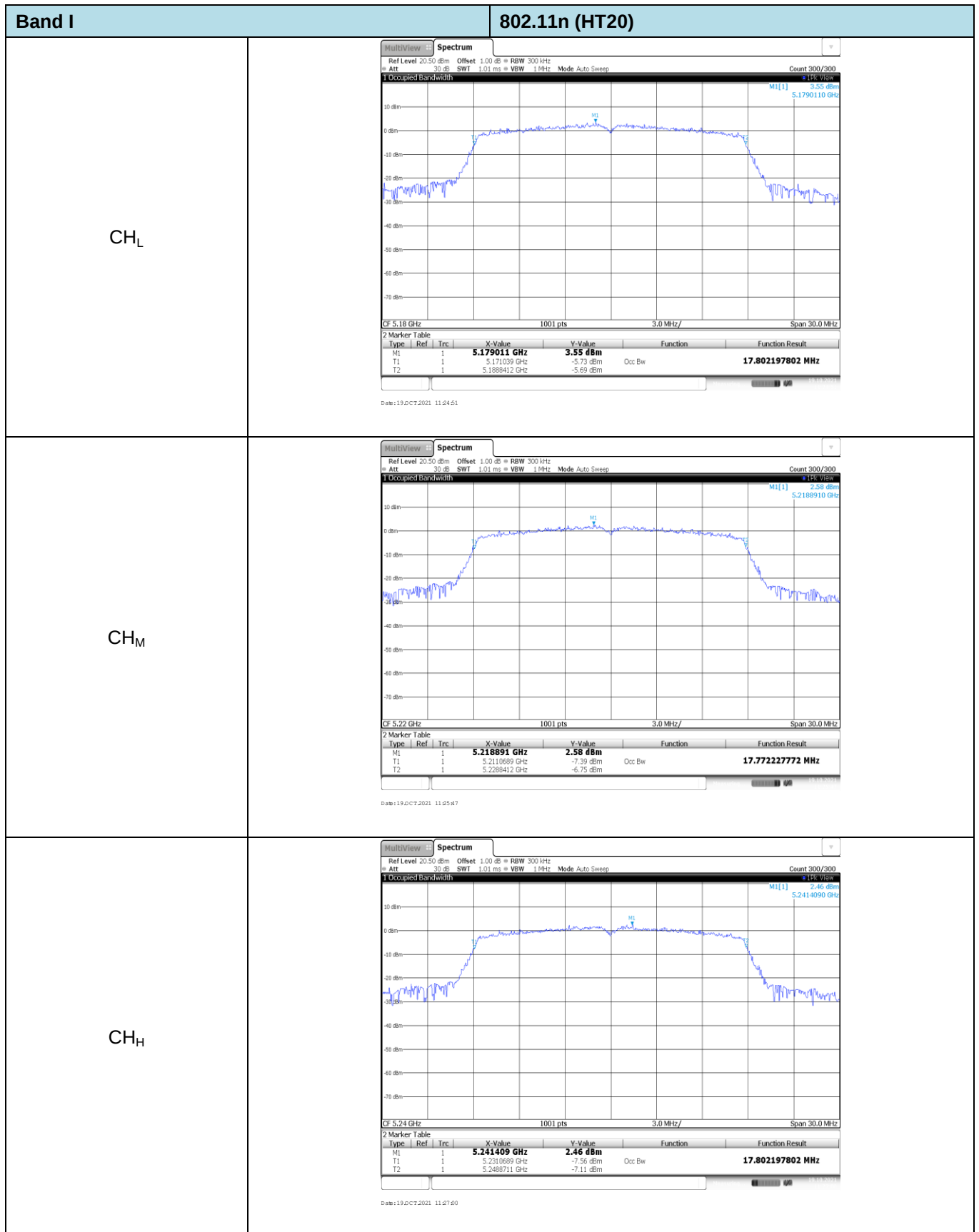


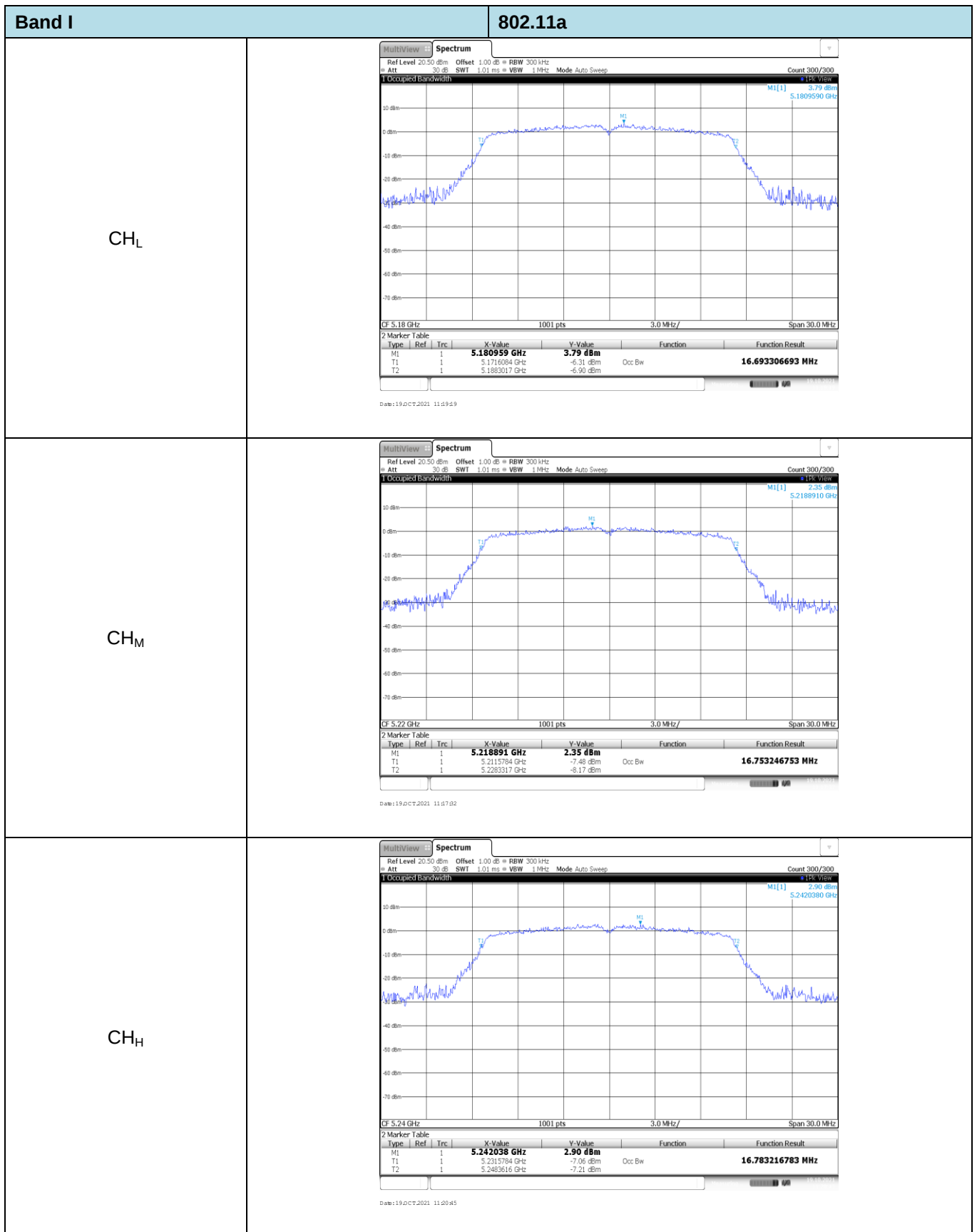


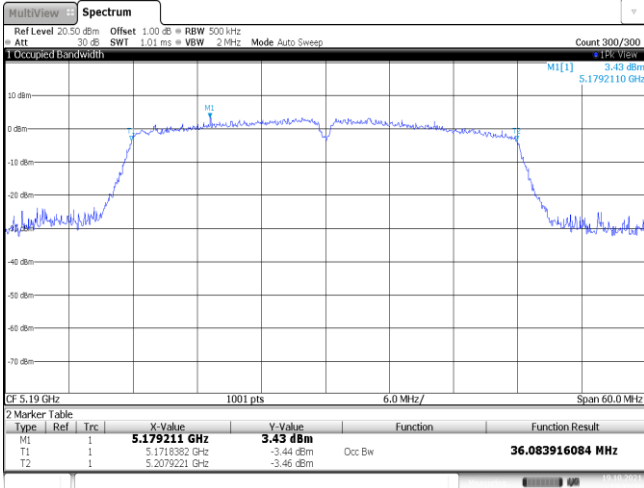
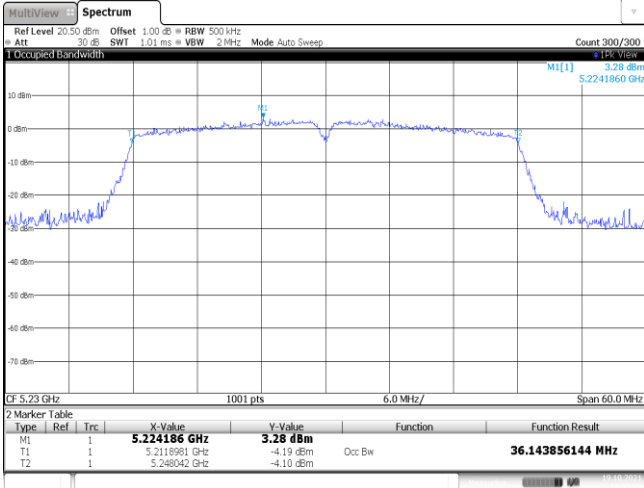
Appendix D: 99% Occupy bandwidth

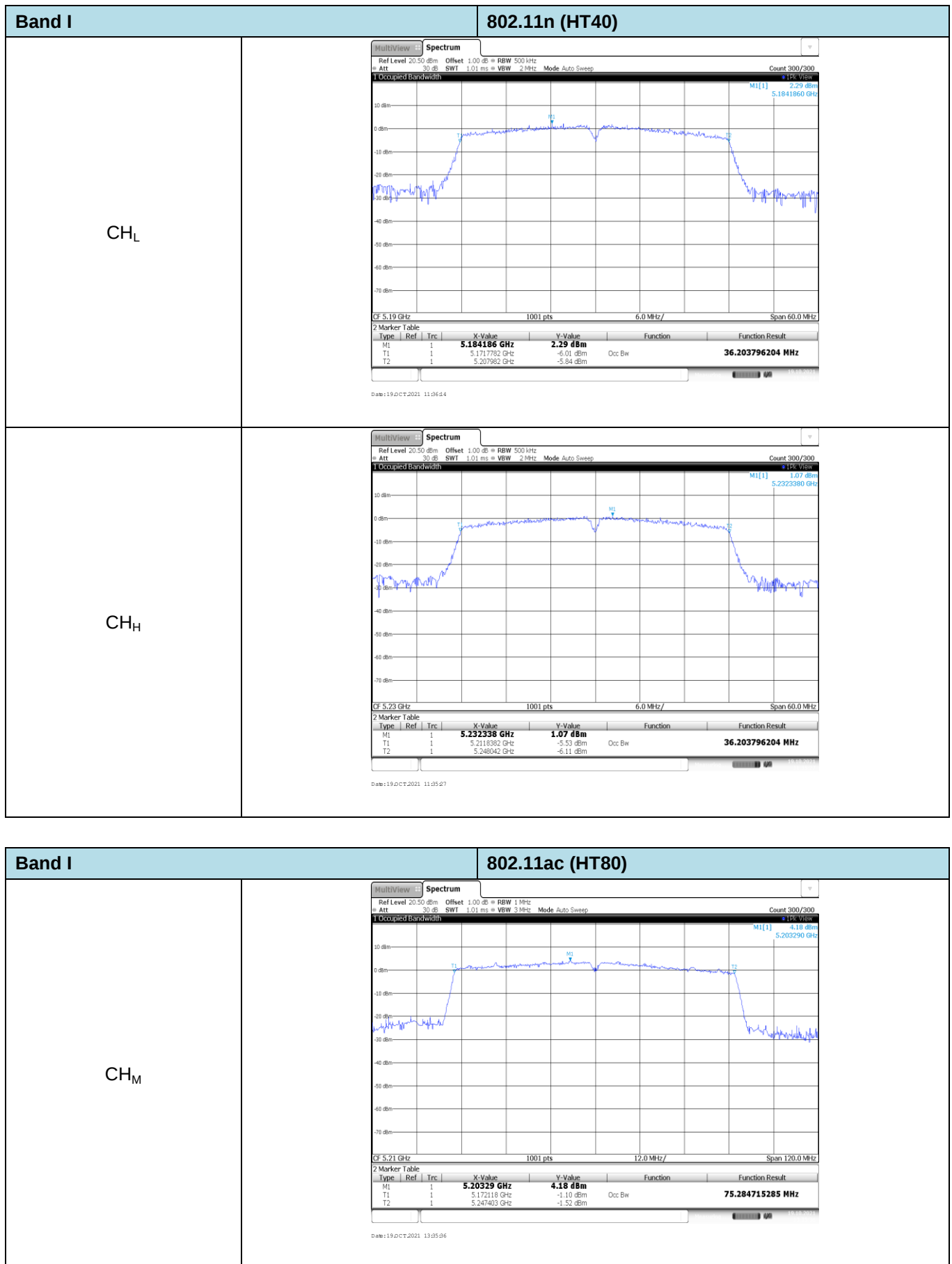
Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
I	20	802.11ac	CH _L	17.74	Pass
			CH _M	17.77	
			CH _H	17.74	
		802.11n	CH _L	17.80	Pass
			CH _M	17.77	
			CH _H	17.80	
		802.11a	CH _L	16.69	Pass
			CH _M	16.75	
			CH _H	16.78	
	40	802.11ac	CH _L	36.08	Pass
			CH _H	36.14	
		802.11n	CH _L	36.20	Pass
			CH _H	36.20	
	80	802.11ac	CH _M	75.29	Pass
IV	20	802.11ac	CH _L	17.77	Pass
			CH _M	17.80	
			CH _H	17.80	
		802.11n	CH _L	17.83	Pass
			CH _M	17.80	
			CH _H	17.80	
		802.11a	CH _L	16.75	Pass
			CH _M	16.75	
			CH _H	16.72	
	40	802.11ac	CH _L	36.14	Pass
			CH _H	36.20	
		802.11n	CH _L	36.30	Pass
			CH _H	36.30	
	80	802.11ac	CH _M	75.29	Pass

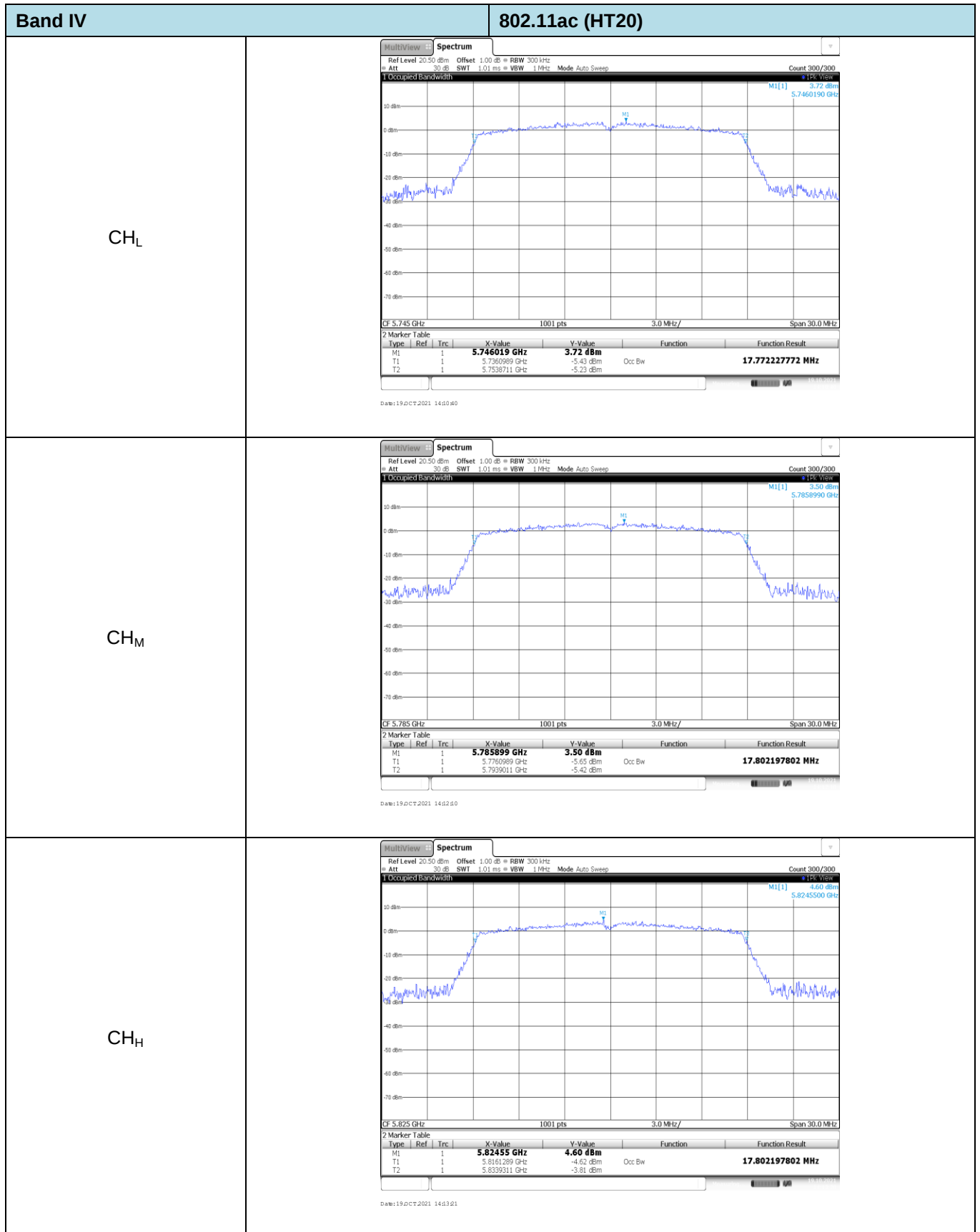


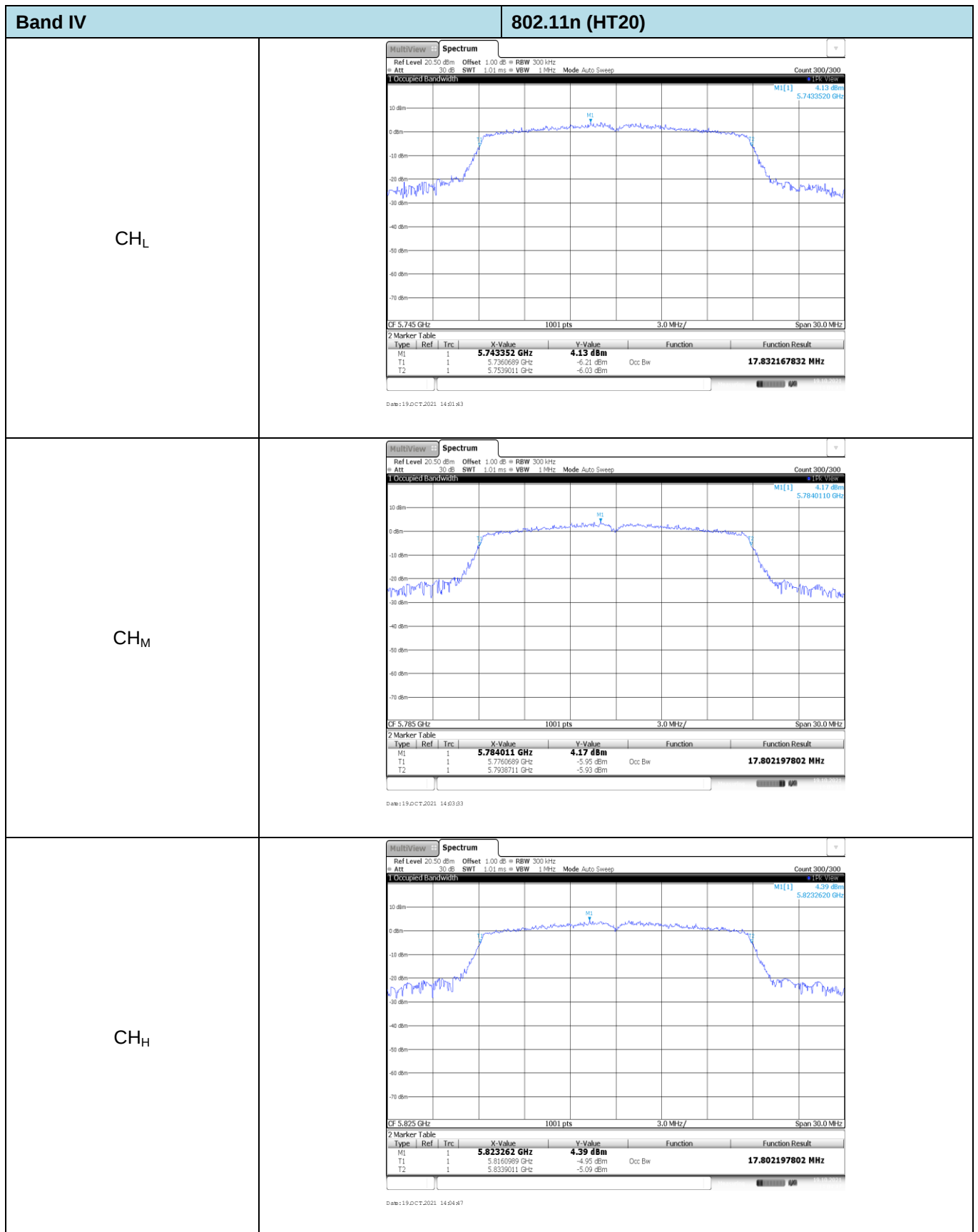


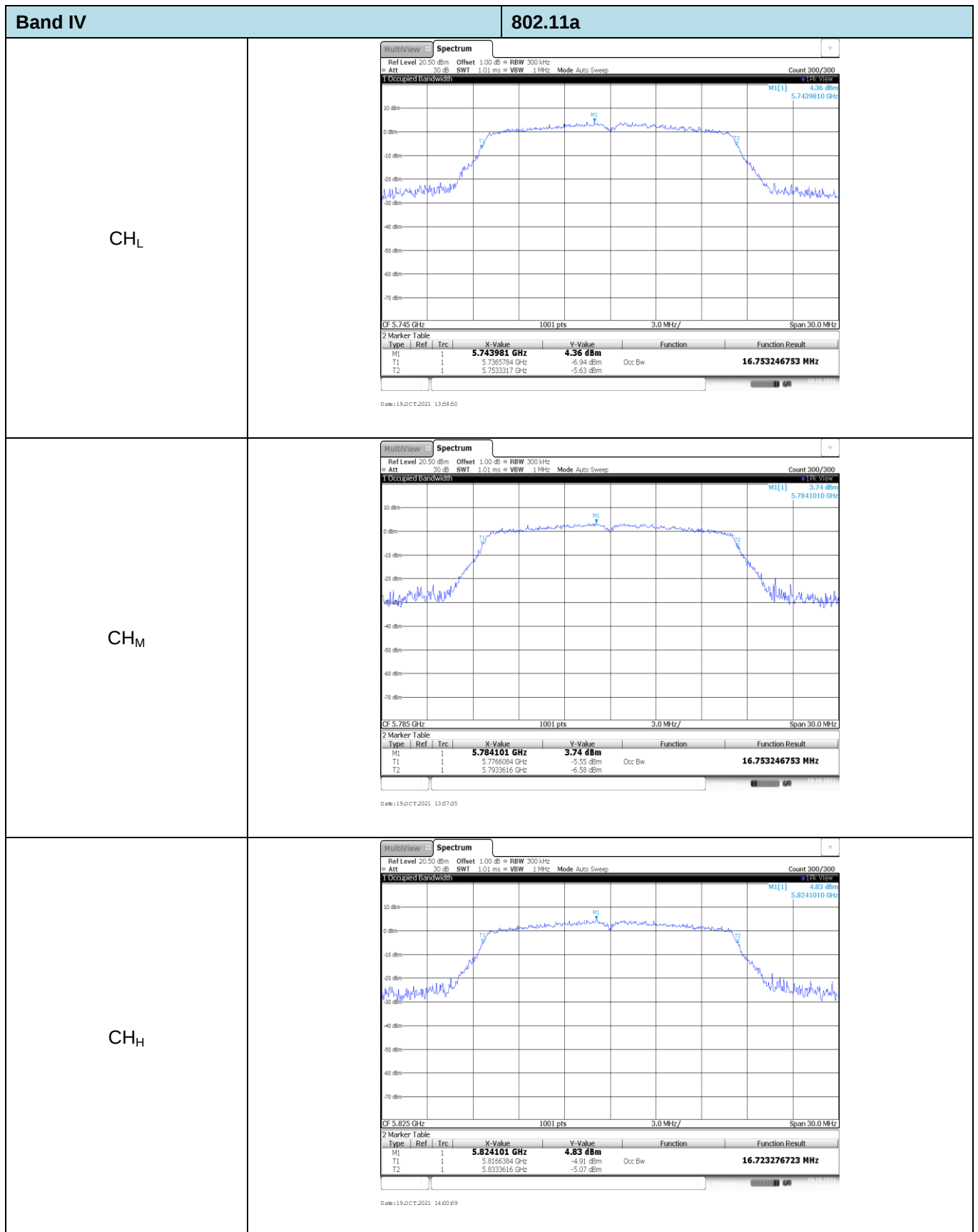


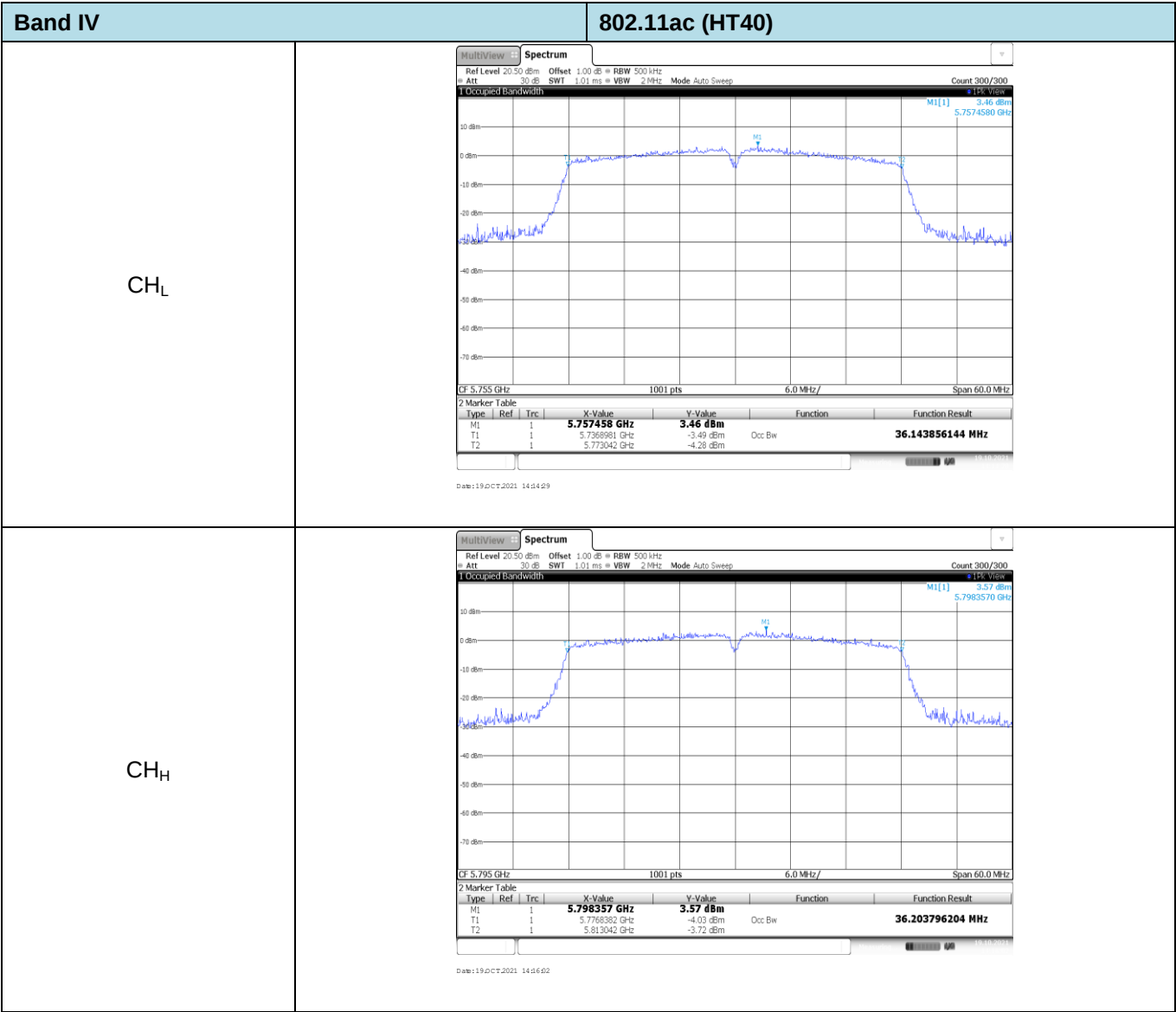
Band I		802.11ac (HT40)																											
CH _L	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SWF 1.01 ms VBW 2 MHz Mode Auto Sweep Count 300/300 1 Occupied Bandwidth <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>5.179211 GHz</td><td>3.43 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.178382 GHz</td><td>-3.44 dBm</td><td>Occ Bw</td><td>36.083916084 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.2079221 GHz</td><td>-3.46 dBm</td><td></td><td></td></tr></table> Date:19/OCT/2021 13:02:20	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.179211 GHz	3.43 dBm			T1	1		5.178382 GHz	-3.44 dBm	Occ Bw	36.083916084 MHz	T2	1		5.2079221 GHz	-3.46 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.179211 GHz	3.43 dBm																									
T1	1		5.178382 GHz	-3.44 dBm	Occ Bw	36.083916084 MHz																							
T2	1		5.2079221 GHz	-3.46 dBm																									
CH _H	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SWF 1.01 ms VBW 2 MHz Mode Auto Sweep Count 300/300 1 Occupied Bandwidth <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>5.224186 GHz</td><td>3.28 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.2118981 GHz</td><td>-4.19 dBm</td><td>Occ Bw</td><td>36.143856144 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.248042 GHz</td><td>-4.10 dBm</td><td></td><td></td></tr></table> Date:19/OCT/2021 13:03:25	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.224186 GHz	3.28 dBm			T1	1		5.2118981 GHz	-4.19 dBm	Occ Bw	36.143856144 MHz	T2	1		5.248042 GHz	-4.10 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.224186 GHz	3.28 dBm																									
T1	1		5.2118981 GHz	-4.19 dBm	Occ Bw	36.143856144 MHz																							
T2	1		5.248042 GHz	-4.10 dBm																									

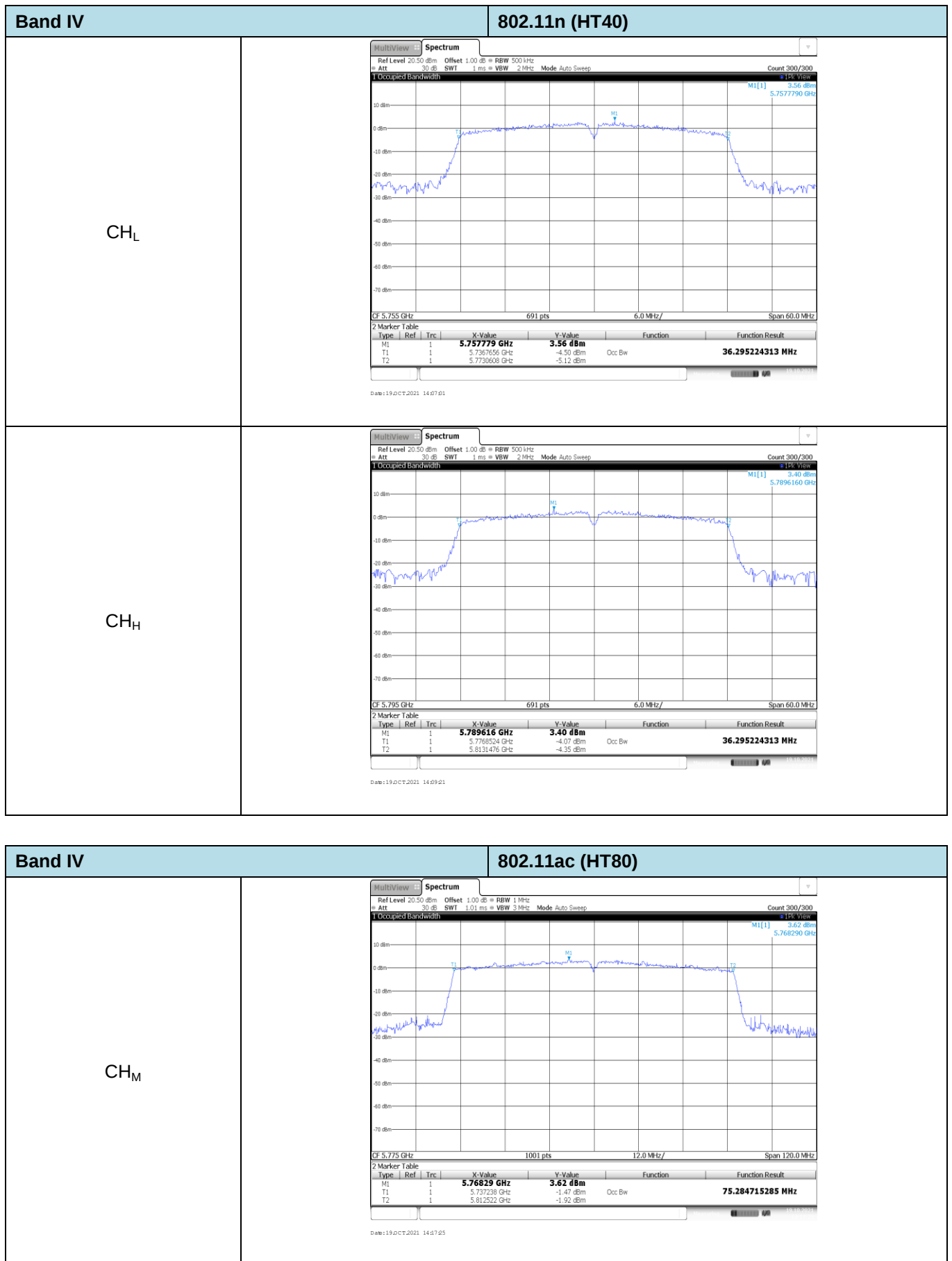






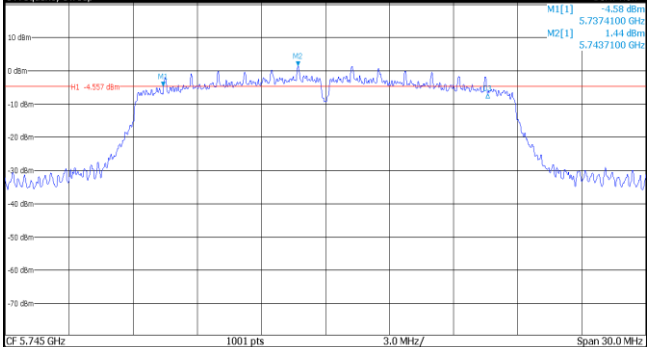
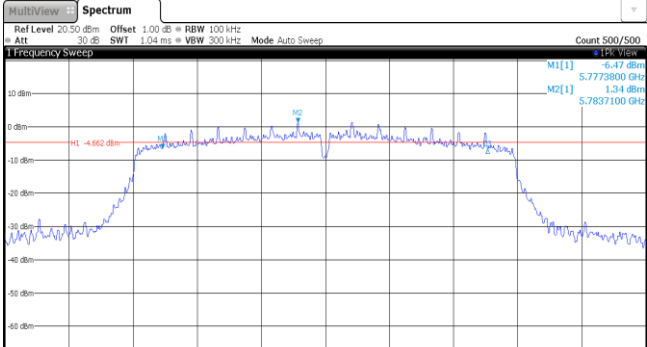
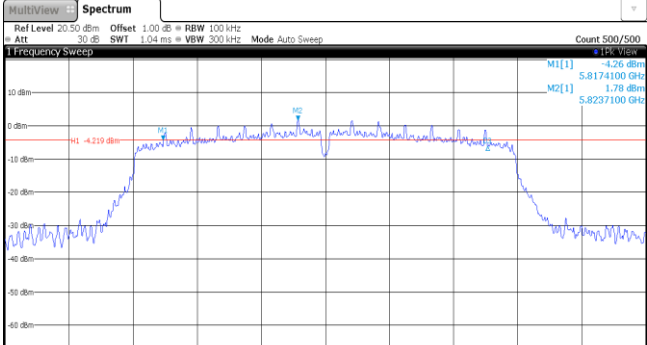






Appendix E: 6dB Bandwidth

Band	Bandwidth (MHz)	Type	Channel	6dB bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	15.18	Pass
			CH _M	15.21	
			CH _H	15.18	
		802.11n	CH _L	15.15	Pass
			CH _M	15.21	
			CH _H	15.18	
		802.11a	CH _L	15.21	Pass
			CH _M	15.39	
			CH _H	15.18	
	40	802.11ac	CH _L	35.22	Pass
			CH _H	35.22	
		802.11n	CH _L	35.30	Pass
			CH _H	35.30	
	80	802.11ac	CH _M	75.48	Pass

Test channel	802.11ac (HT20)																												
CH _L	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep  CF 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>5.73741 GHz</td><td>-4.58 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.74371 GHz</td><td>1.44 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>15.18 MHz</td><td>-2.27 dB</td><td></td><td></td></tr></table> Date: 19/07/2021 14:11:33	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.73741 GHz	-4.58 dBm			M2	1		5.74371 GHz	1.44 dBm			D3	M1	1	15.18 MHz	-2.27 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.73741 GHz	-4.58 dBm																									
M2	1		5.74371 GHz	1.44 dBm																									
D3	M1	1	15.18 MHz	-2.27 dB																									
CH _M	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep  CF 5.785 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>5.77738 GHz</td><td>-6.47 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.78371 GHz</td><td>1.34 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>15.21 MHz</td><td>-0.28 dB</td><td></td><td></td></tr></table> Date: 19/07/2021 14:12:20	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.77738 GHz	-6.47 dBm			M2	1		5.78371 GHz	1.34 dBm			D3	M1	1	15.21 MHz	-0.28 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.77738 GHz	-6.47 dBm																									
M2	1		5.78371 GHz	1.34 dBm																									
D3	M1	1	15.21 MHz	-0.28 dB																									
CH _H	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep  CF 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>5.81741 GHz</td><td>-4.26 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.82371 GHz</td><td>1.78 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>15.18 MHz</td><td>-1.91 dB</td><td></td><td></td></tr></table> Date: 19/07/2021 14:13:30	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.81741 GHz	-4.26 dBm			M2	1		5.82371 GHz	1.78 dBm			D3	M1	1	15.18 MHz	-1.91 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.81741 GHz	-4.26 dBm																									
M2	1		5.82371 GHz	1.78 dBm																									
D3	M1	1	15.18 MHz	-1.91 dB																									

Test channel	802.11n (HT20)																												
CH _L	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M2 M3 -4.65 dBm 1.60 dBm 5.7437100 GHz CF 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>5.73741 GHz</td><td>-4.65 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.74371 GHz</td><td>1.60 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td></td><td>15.15 MHz</td><td>0.05 dB</td><td></td><td></td></tr></table> Date: 19/01/2021 14:02:28	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.73741 GHz	-4.65 dBm			M2	1		5.74371 GHz	1.60 dBm			D3	M1		15.15 MHz	0.05 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.73741 GHz	-4.65 dBm																									
M2	1		5.74371 GHz	1.60 dBm																									
D3	M1		15.15 MHz	0.05 dB																									
CH _M	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M2 M3 -4.56 dBm 1.23 dBm 5.7862600 GHz CF 5.785 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>5.77738 GHz</td><td>-6.56 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.78626 GHz</td><td>1.23 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td></td><td>15.21 MHz</td><td>-0.41 dB</td><td></td><td></td></tr></table> Date: 19/01/2021 14:03:02	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.77738 GHz	-6.56 dBm			M2	1		5.78626 GHz	1.23 dBm			D3	M1		15.21 MHz	-0.41 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.77738 GHz	-6.56 dBm																									
M2	1		5.78626 GHz	1.23 dBm																									
D3	M1		15.21 MHz	-0.41 dB																									
CH _H	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M2 M3 -4.82 dBm 1.77 dBm 5.8237100 GHz CF 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>5.81741 GHz</td><td>-4.82 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.82371 GHz</td><td>1.77 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td></td><td>15.18 MHz</td><td>-1.26 dB</td><td></td><td></td></tr></table> Date: 19/01/2021 14:04:56	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.81741 GHz	-4.82 dBm			M2	1		5.82371 GHz	1.77 dBm			D3	M1		15.18 MHz	-1.26 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.81741 GHz	-4.82 dBm																									
M2	1		5.82371 GHz	1.77 dBm																									
D3	M1		15.18 MHz	-1.26 dB																									

Test channel	802.11a																												
CH _L	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M2 M1[1] -6.74 dBm 5.7373800 GHz M2[1] 1.44 dBm 5.7437100 GHz CF 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>5.73738 GHz</td><td>-6.74 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.74371 GHz</td><td>1.44 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>15.21 MHz</td><td>-0.26 dB</td><td></td><td></td></tr></table> Date: 19 OCT 2021 13:58:59	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.73738 GHz	-6.74 dBm			M2	1		5.74371 GHz	1.44 dBm			D3	M1	1	15.21 MHz	-0.26 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.73738 GHz	-6.74 dBm																									
M2	1		5.74371 GHz	1.44 dBm																									
D3	M1	1	15.21 MHz	-0.26 dB																									
CH _M	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M2 M1[1] -5.23 dBm 5.7772000 GHz M2[1] 1.03 dBm 5.7837100 GHz CF 5.785 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>5.7772 GHz</td><td>-5.23 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.78371 GHz</td><td>1.03 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>15.39 MHz</td><td>-2.06 dB</td><td></td><td></td></tr></table> Date: 19 OCT 2021 13:57:45	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.7772 GHz	-5.23 dBm			M2	1		5.78371 GHz	1.03 dBm			D3	M1	1	15.39 MHz	-2.06 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.7772 GHz	-5.23 dBm																									
M2	1		5.78371 GHz	1.03 dBm																									
D3	M1	1	15.39 MHz	-2.06 dB																									
CH _H	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M2 M1[1] -4.37 dBm 5.8174100 GHz M2[1] 1.77 dBm 5.8237100 GHz CF 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>5.81741 GHz</td><td>-4.37 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.82371 GHz</td><td>1.77 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>15.18 MHz</td><td>-1.54 dB</td><td></td><td></td></tr></table> Date: 19 OCT 2021 14:00:19	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.81741 GHz	-4.37 dBm			M2	1		5.82371 GHz	1.77 dBm			D3	M1	1	15.18 MHz	-1.54 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.81741 GHz	-4.37 dBm																									
M2	1		5.82371 GHz	1.77 dBm																									
D3	M1	1	15.18 MHz	-1.54 dB																									

Test channel	802.11n (HT40)																												
CH _L	MultiViewSpectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.07 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1[1] -8.21 dBm5.7373478 GHz M2[1] -1.19 dBm5.7524783 GHz CF 5.755 GHz691 pts6.0 MHz/Span 60.0 MHz <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>5.7373478 GHz</td><td>-8.21 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.7524783 GHz</td><td>-1.19 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>35.3043 MHz</td><td>-2.29 dB</td><td></td><td></td></tr></table> Date: 19/OCT/2021 14:28:55	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.7373478 GHz	-8.21 dBm			M2	1		5.7524783 GHz	-1.19 dBm			D3	M1	1	35.3043 MHz	-2.29 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.7373478 GHz	-8.21 dBm																									
M2	1		5.7524783 GHz	-1.19 dBm																									
D3	M1	1	35.3043 MHz	-2.29 dB																									
CH _H	MultiViewSpectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.07 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1[1] -8.15 dBm5.7773478 GHz M2[1] -1.22 dBm5.7924783 GHz CF 5.795 GHz691 pts6.0 MHz/Span 60.0 MHz <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>5.7773478 GHz</td><td>-8.15 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.7924783 GHz</td><td>-1.22 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>35.3043 MHz</td><td>-1.86 dB</td><td></td><td></td></tr></table> Date: 19/OCT/2021 14:29:00	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.7773478 GHz	-8.15 dBm			M2	1		5.7924783 GHz	-1.22 dBm			D3	M1	1	35.3043 MHz	-1.86 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.7773478 GHz	-8.15 dBm																									
M2	1		5.7924783 GHz	-1.22 dBm																									
D3	M1	1	35.3043 MHz	-1.86 dB																									
Test channel	802.11ac (HT80)																												
CH _M	MultiViewSpectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SWF 1.2 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1[1] -12.33 dBm5.737200 GHz M2[1] -4.31 dBm5.772480 GHz CF 5.775 GHz1001 pts12.0 MHz/Span 120.0 MHz <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>5.7372 GHz</td><td>-12.33 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.77248 GHz</td><td>-4.31 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>75.48 MHz</td><td>-1.26 dB</td><td></td><td></td></tr></table> Date: 19/OCT/2021 14:27:04	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.7372 GHz	-12.33 dBm			M2	1		5.77248 GHz	-4.31 dBm			D3	M1	1	75.48 MHz	-1.26 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.7372 GHz	-12.33 dBm																									
M2	1		5.77248 GHz	-4.31 dBm																									
D3	M1	1	75.48 MHz	-1.26 dB																									

Appendix F: Frequency stability**Voltage VS Frequency stability**

Band: I			Test Frequency: 5180.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T _N	V _L	0.00	0.00000	PASS
T _N	V _N	0.00	0.00000	PASS
T _N	V _H	0.00	0.00000	PASS

Band: IV			Test Frequency: 5745.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T _N	V _L	-3000.00	-0.52219	PASS
T _N	V _N	-3000.00	-0.52219	PASS
T _N	V _H	-4000.00	-0.69626	PASS

Temperature VS Frequency stability

Band: I			Test Frequency: 5180.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	-1000.00	-0.19305	PASS
V _N	-10	-1000.00	-0.19305	PASS
V _N	0	-1000.00	-0.19305	PASS
V _N	10	-2000.00	-0.38610	PASS
V _N	20	-2000.00	-0.38610	PASS
V _N	30	-2000.00	-0.38610	PASS
V _N	40	-2000.00	-0.38610	PASS
V _N	50	-3000.00	-0.57915	PASS

Band: IV			Test Frequency: 5745.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	-4000.00	-0.69626	PASS
V _N	-10	-4000.00	-0.69626	PASS
V _N	0	-4000.00	-0.69626	PASS
V _N	10	-4000.00	-0.69626	PASS
V _N	20	-3000.00	-0.52219	PASS
V _N	30	-4000.00	-0.69626	PASS
V _N	40	-4000.00	-0.69626	PASS
V _N	50	-4000.00	-0.69626	PASS

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