

APPENDIX REPORT

Project No.	SHT2103109801EW	Radio Specification	WIFI 5G
Test sample No.	YPHT21031098003	Model No.	D104S
Start test date	2021-04-21	Finish date	2021-04-21
Temperature	24.3°C	Humidity	52%
Test Engineer	Hailey Chen	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	Band edge	PASS
G	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	802.11a _c	CH _L	12.45	96.77	0.14	12.59	24.00	Pass
			CH _M	14.35	96.77	0.14	14.49		
			CH _H	15.52	96.77	0.14	15.66		
		802.11n	CH _L	12.55	96.75	0.14	12.69	24.00	Pass
			CH _M	14.21	96.74	0.14	14.35		
			CH _H	15.57	96.74	0.14	15.71		
		802.11a	CH _L	12.72	96.95	0.13	12.85	24.00	Pass
			CH _M	14.60	96.95	0.13	14.73		
			CH _H	15.74	96.95	0.13	15.87		
	40	802.11a _c	CH _L	12.85	93.44	0.29	13.14	24.00	Pass
			CH _H	14.93	93.44	0.29	15.22		
		802.11n	CH _L	12.79	93.84	0.28	13.07	24.00	Pass
			CH _H	14.90	93.84	0.28	15.18		
	80	802.11a _c	CH _M	13.53	88.22	0.54	14.07	24.00	Pass
II	20	802.11a _c	CH _L	15.24	96.77	0.14	15.38	24.00	Pass
			CH _M	15.25	96.77	0.14	15.39		
			CH _H	15.35	96.77	0.14	15.49		
		802.11n	CH _L	15.16	96.84	0.14	15.30	24.00	Pass
			CH _M	15.17	96.74	0.14	15.31		
			CH _H	15.32	96.74	0.14	15.46		
		802.11a	CH _L	15.41	96.95	0.13	15.54	24.00	Pass
			CH _M	15.51	96.94	0.13	15.64		
			CH _H	15.71	97.03	0.13	15.84		
	40	802.11a _c	CH _L	15.31	93.88	0.27	15.58	24.00	Pass
			CH _H	15.62	93.88	0.27	15.89		
		802.11n	CH _L	15.23	93.96	0.27	15.50	24.00	Pass
			CH _H	15.27	93.96	0.27	15.54		
	80	802.11a _c	CH _M	15.11	88.19	0.55	15.66	24.00	Pass

Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Conducted Output Power (dBm)	Limit (dBm)	Result
III	20	802.11ac	CH _L	12.68	96.77	0.14	12.82	24.00	Pass
			CH _M	9.57	96.86	0.14	9.71		
			CH _H	6.67	96.76	0.14	6.81		
		802.11n	CH _L	12.69	96.75	0.14	12.83	24.00	Pass
			CH _M	9.45	96.84	0.14	9.59		
			CH _H	6.62	96.84	0.14	6.76		
		802.11a	CH _L	12.92	97.03	0.13	13.05	24.00	Pass
			CH _M	9.74	97.03	0.13	9.87		
			CH _H	6.96	97.03	0.13	7.09		
	40	802.11ac	CH _L	11.76	93.78	0.28	12.04	24.00	Pass
			CH _M	9.24	93.78	0.28	9.52		
			CH _H	5.99	93.78	0.28	6.27		
		802.11n	CH _L	12.13	93.90	0.27	12.40	24.00	Pass
			CH _M	9.96	93.90	0.27	10.23		
			CH _H	6.74	93.90	0.27	7.01		
	80	802.11ac	CH _L	10.68	88.35	0.54	11.22	24.00	Pass
			CH _M	7.73	88.35	0.54	8.27		
			CH _H	5.56	88.35	0.54	6.10		
IV	20	802.11ac	CH _L	7.62	96.86	0.14	7.76	30.00	Pass
			CH _M	6.84	96.77	0.14	6.98		
			CH _H	6.96	96.77	0.14	7.10		
		802.11n	CH _L	7.47	96.84	0.14	7.61	30.00	Pass
			CH _M	6.93	96.75	0.14	7.07		
			CH _H	6.86	96.84	0.14	7.00		
		802.11a	CH _L	7.12	97.03	0.13	7.25	30.00	Pass
			CH _M	6.36	97.03	0.13	6.49		
			CH _H	6.24	97.03	0.13	6.37		
	40	802.11ac	CH _L	7.37	93.86	0.28	7.65	30.00	Pass
			CH _H	6.91	93.86	0.28	7.19		
		802.11n	CH _L	7.46	93.78	0.28	7.74	30.00	Pass
			CH _H	6.84	93.78	0.28	7.12		
	80	802.11ac	CH _M	6.61	88.33	0.54	7.15	30.00	Pass

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

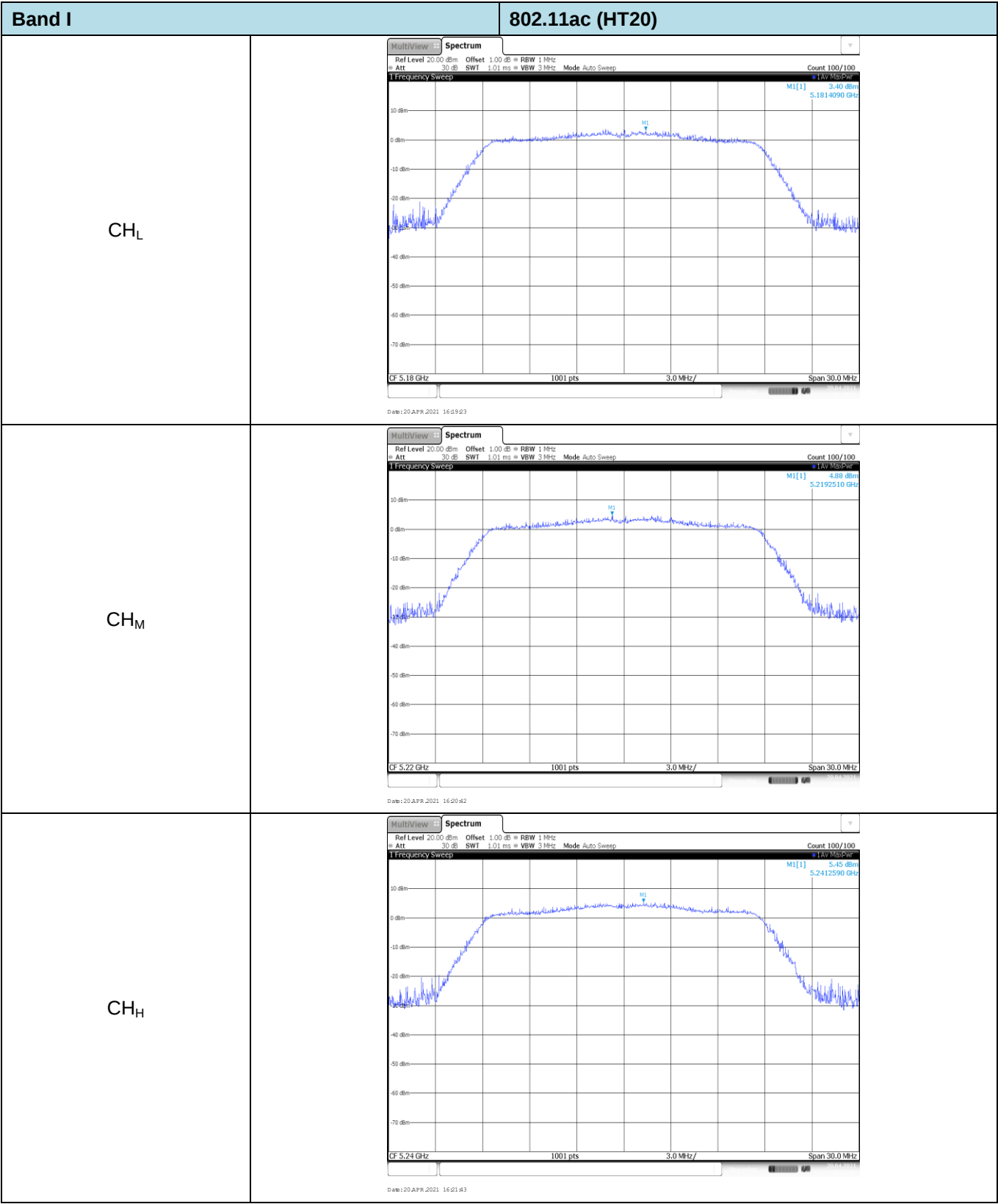
Appendix B: Maximum Power Spectral Density

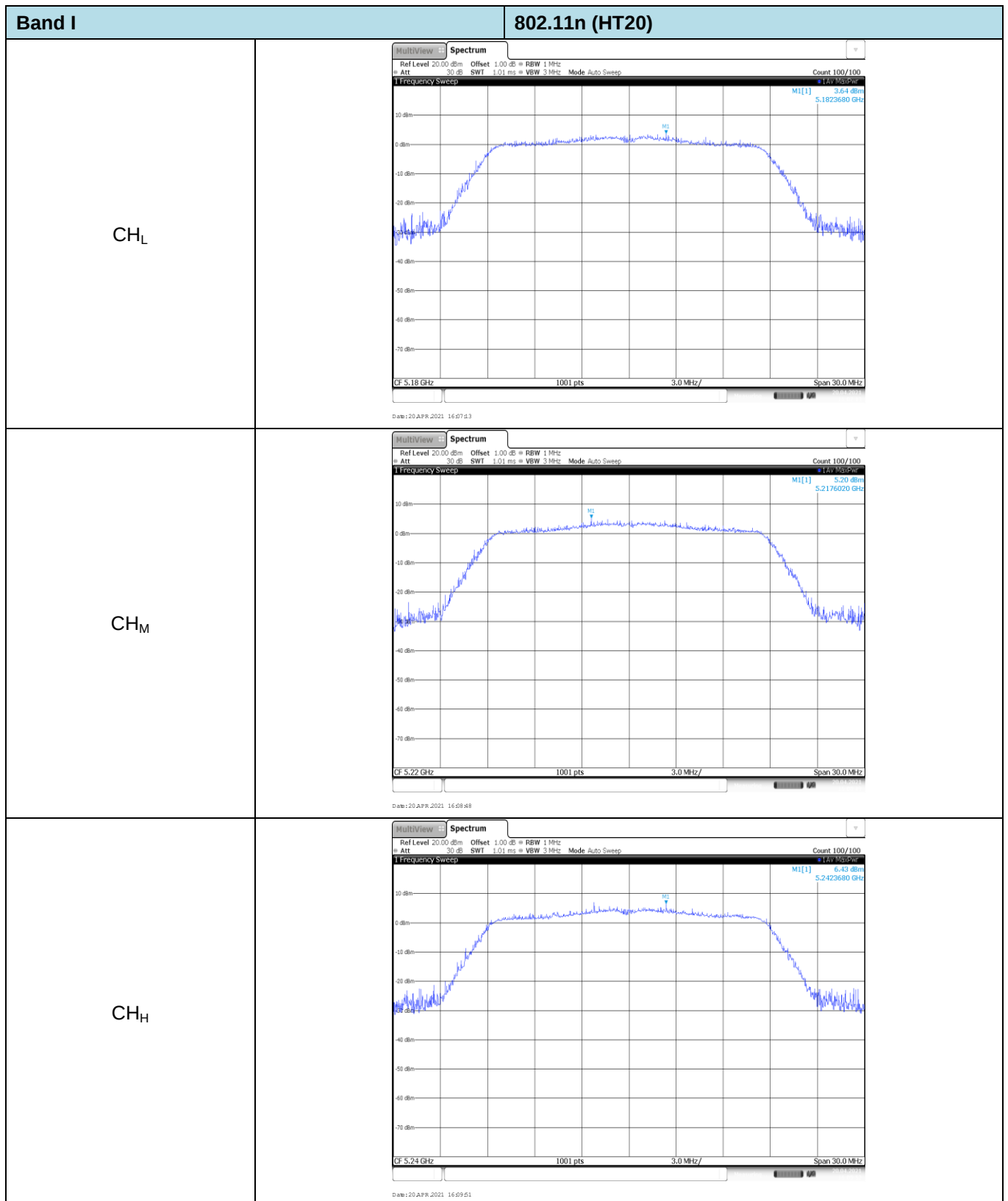
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
I	20	802.11ac	CH _L	3.40	96.77	0.14	3.54	11.00	Pass
			CH _M	4.88	96.77	0.14	5.02		
			CH _H	5.45	96.77	0.14	5.59		
		802.11n	CH _L	3.64	96.75	0.14	3.78	11.00	Pass
			CH _M	5.20	96.74	0.14	5.34		
			CH _H	6.43	96.74	0.14	6.57		
		802.11a	CH _L	3.99	96.95	0.13	4.12	11.00	Pass
			CH _M	4.97	96.95	0.13	5.10		
			CH _H	5.85	96.95	0.13	5.98		
	40	802.11ac	CH _L	1.07	93.44	0.29	1.36	11.00	Pass
			CH _H	2.15	93.44	0.29	2.44		
		802.11n	CH _L	0.82	93.84	0.28	1.10	11.00	Pass
			CH _H	2.04	93.84	0.28	2.32		
	80	802.11ac	CH _M	-1.90	88.22	0.54	-1.36	11.00	Pass

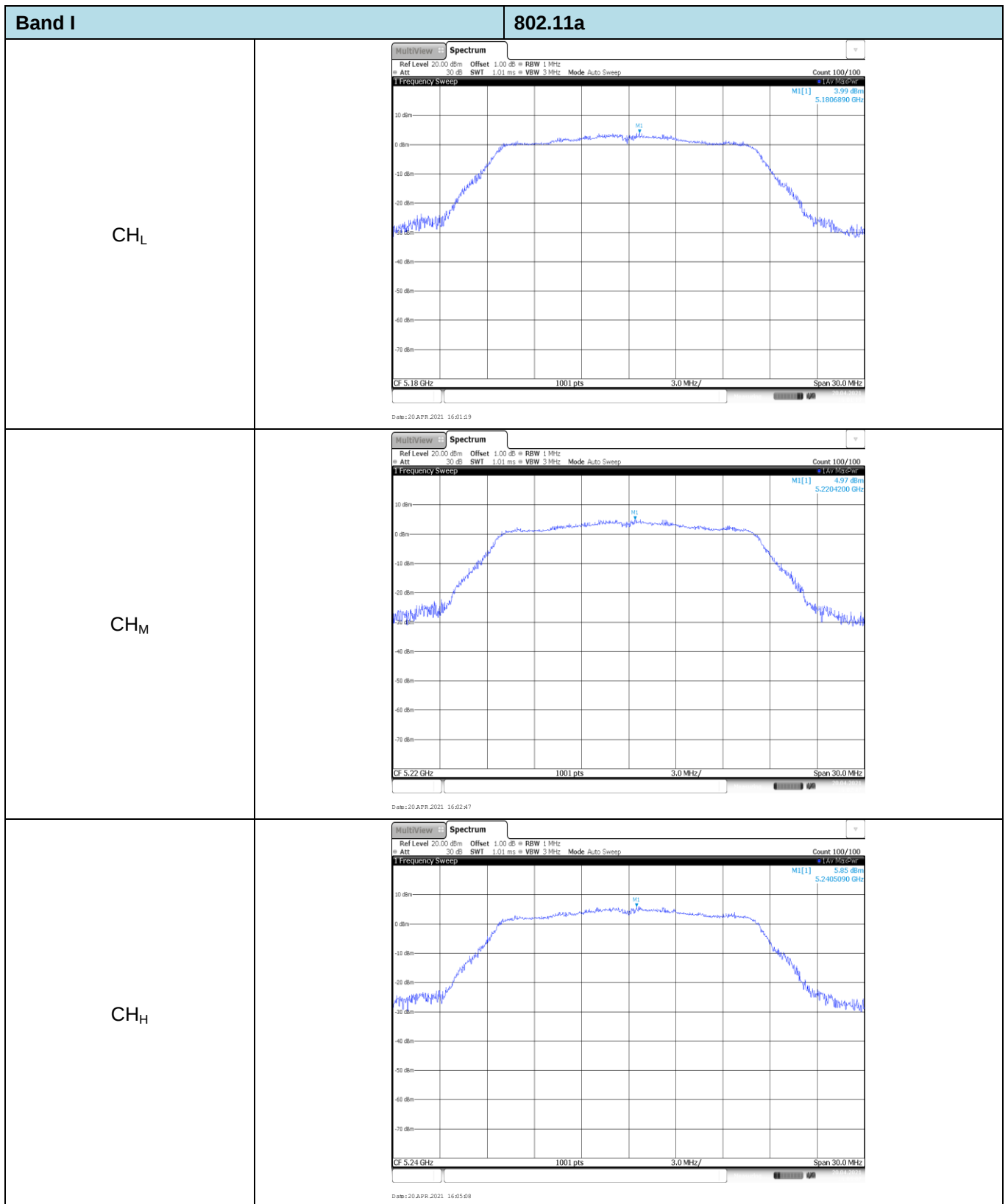
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
II	20	802.11ac	CH _L	5.82	96.77	0.14	5.96	11.00	Pass
			CH _M	5.71	96.77	0.14	5.85		
			CH _H	6.13	96.77	0.14	6.27		
		802.11n	CH _L	5.96	96.84	0.14	6.10	11.00	Pass
			CH _M	6.14	96.74	0.14	6.28		
			CH _H	5.78	96.74	0.14	5.92		
		802.11a	CH _L	5.76	96.95	0.13	5.89	11.00	Pass
			CH _M	6.48	96.94	0.13	6.61		
			CH _H	6.38	97.03	0.13	6.51		
	40	802.11ac	CH _L	2.24	93.88	0.27	2.51	11.00	Pass
			CH _H	3.09	93.88	0.27	3.36		
		802.11n	CH _L	3.05	93.96	0.27	3.32	11.00	Pass
			CH _H	3.16	93.96	0.27	3.43		
	80	802.11ac	CH _M	0.29	88.19	0.55	0.84	11.00	Pass

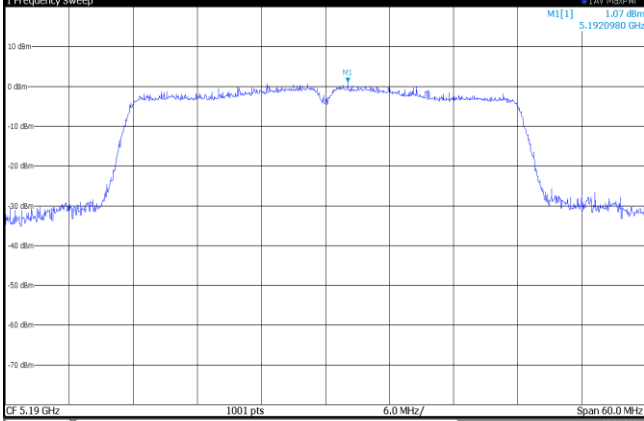
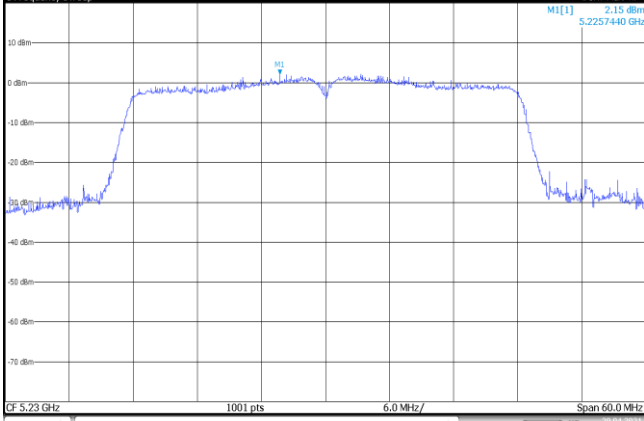
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
III	20	802.11ac	CH _L	3.92	96.77	0.14	4.06	11.00	Pass
			CH _M	0.43	96.86	0.14	0.57		
			CH _H	-3.05	96.76	0.14	-2.91		
		802.11n	CH _L	3.24	96.75	0.14	3.38	11.00	Pass
			CH _M	0.21	96.84	0.14	0.35		
			CH _H	-3.36	96.84	0.14	-3.22		
		802.11a	CH _L	4.02	97.03	0.13	4.15	11.00	Pass
			CH _M	0.61	97.03	0.13	0.74		
			CH _H	-2.89	97.03	0.13	-2.76		
	40	802.11ac	CH _L	0.08	93.78	0.28	0.36	11.00	Pass
			CH _M	-3.21	93.78	0.28	-2.93		
			CH _H	-6.89	93.78	0.28	-6.61		
		802.11n	CH _L	-0.04	93.90	0.27	0.23	11.00	Pass
			CH _M	-2.24	93.90	0.27	-1.97		
			CH _H	-6.05	93.90	0.27	-5.78		
	80	802.11ac	CH _L	-4.56	88.35	0.54	-4.02	11.00	Pass
			CH _M	-6.40	88.35	0.54	-5.86		
			CH _H	-10.62	88.35	0.54	-10.08		
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/500kHz)	Limit (dBm/500 KHz)	Result
IV	20	802.11ac	CH _L	-2.78	96.86	0.14	-2.64	30.00	Pass
			CH _M	-4.87	96.77	0.14	-4.73		
			CH _H	-5.17	96.77	0.14	-5.03		
		802.11n	CH _L	-2.82	96.84	0.14	-2.68	30.00	Pass
			CH _M	-4.71	96.75	0.14	-4.57		
			CH _H	-4.99	96.84	0.14	-4.85		
		802.11a	CH _L	-3.96	97.03	0.13	-3.83	30.00	Pass
			CH _M	-4.92	97.03	0.13	-4.79		
			CH _H	-5.90	97.03	0.13	-5.77		
	40	802.11ac	CH _L	-6.75	93.86	0.28	-6.47	30.00	Pass
			CH _H	-7.87	93.86	0.28	-7.59		
		802.11n	CH _L	-6.90	93.78	0.28	-6.62	30.00	Pass
			CH _H	-7.88	93.78	0.28	-7.60		
	80	802.11ac	CH _M	-10.95	88.33	0.54	-10.41	30.00	Pass

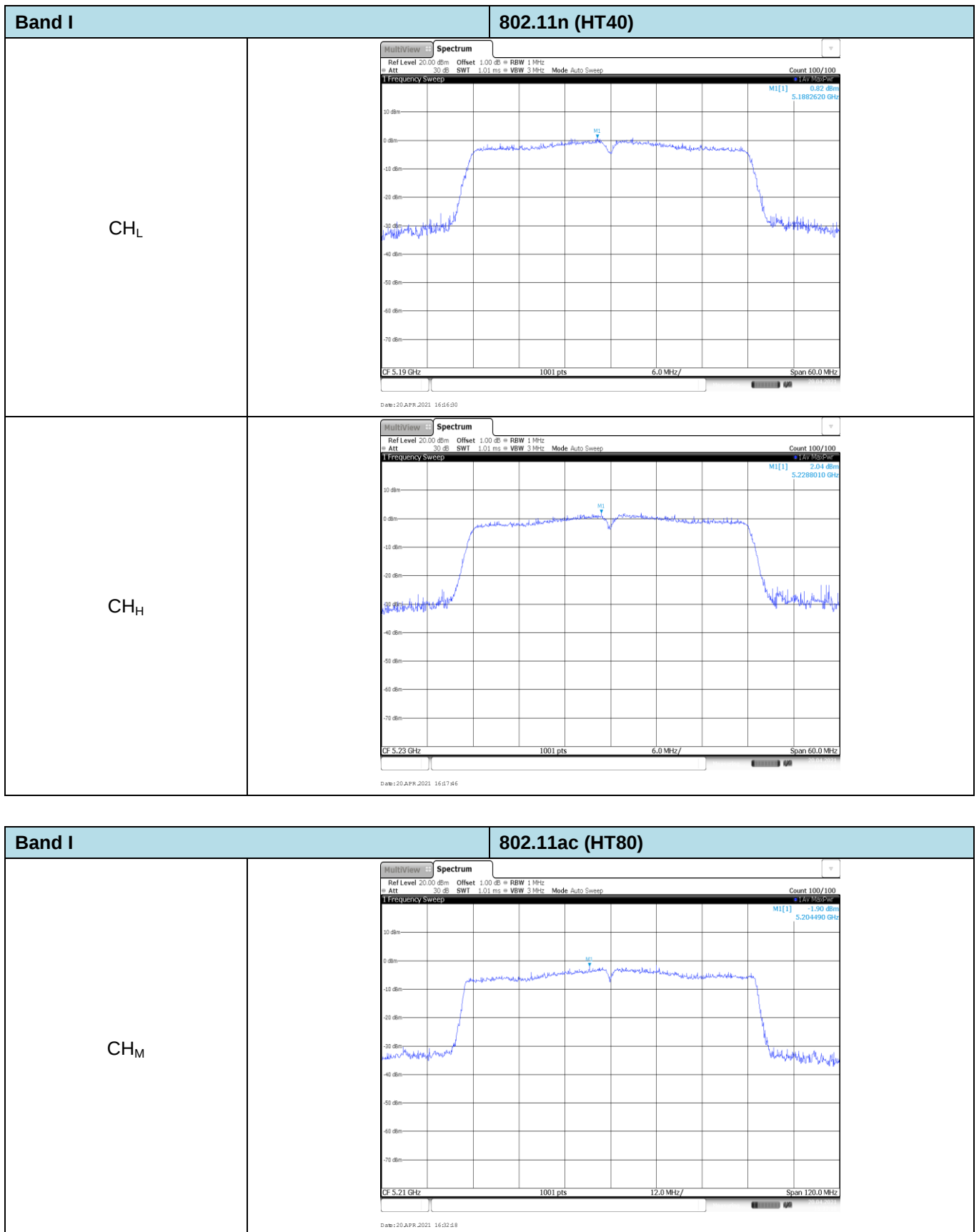
Test plot as follows:

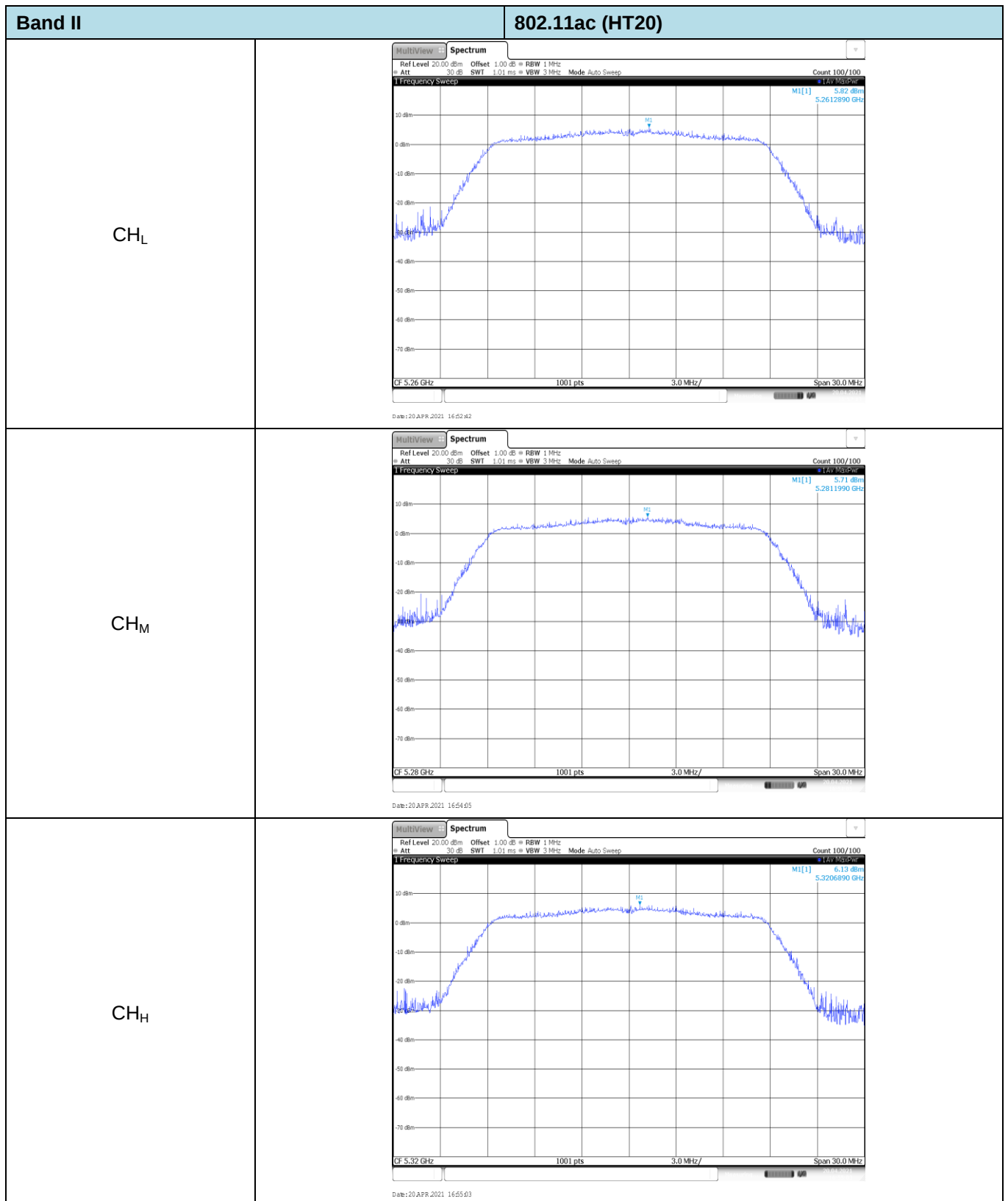


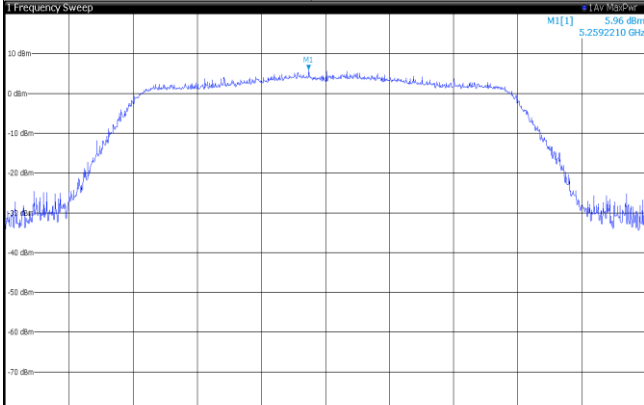
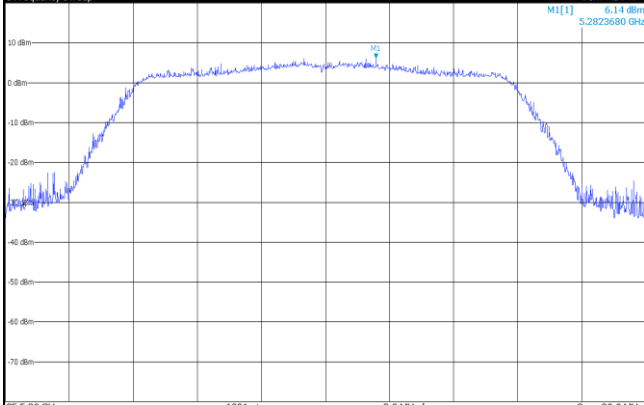
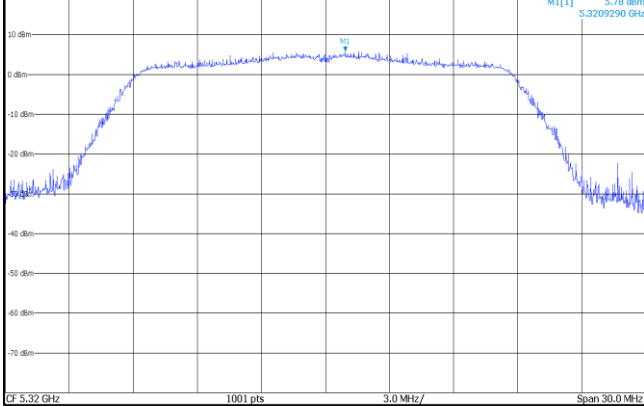


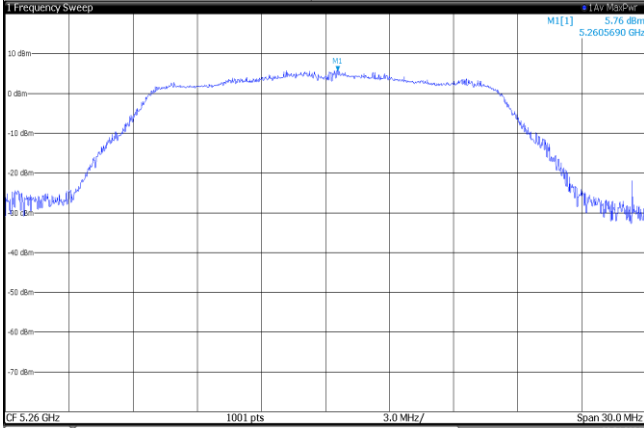
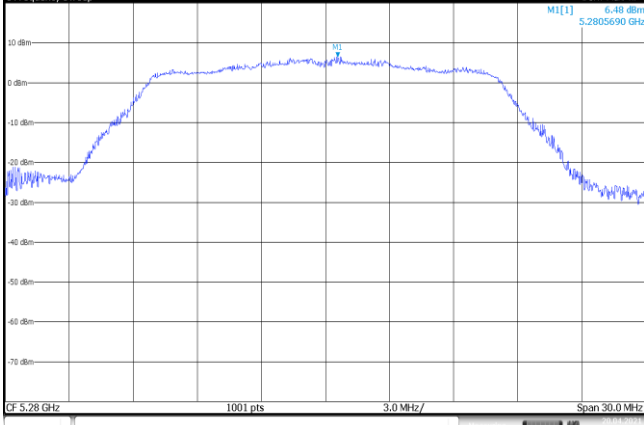
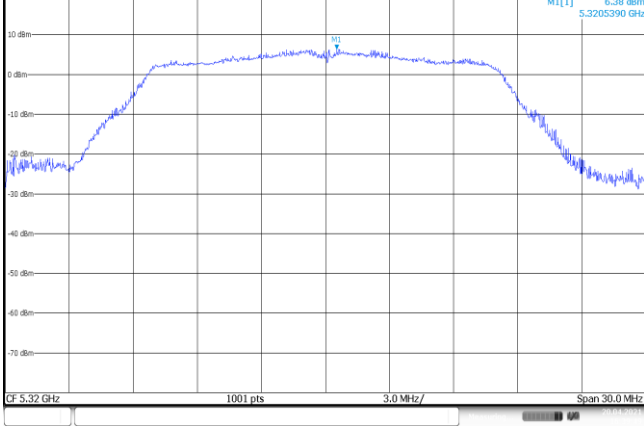


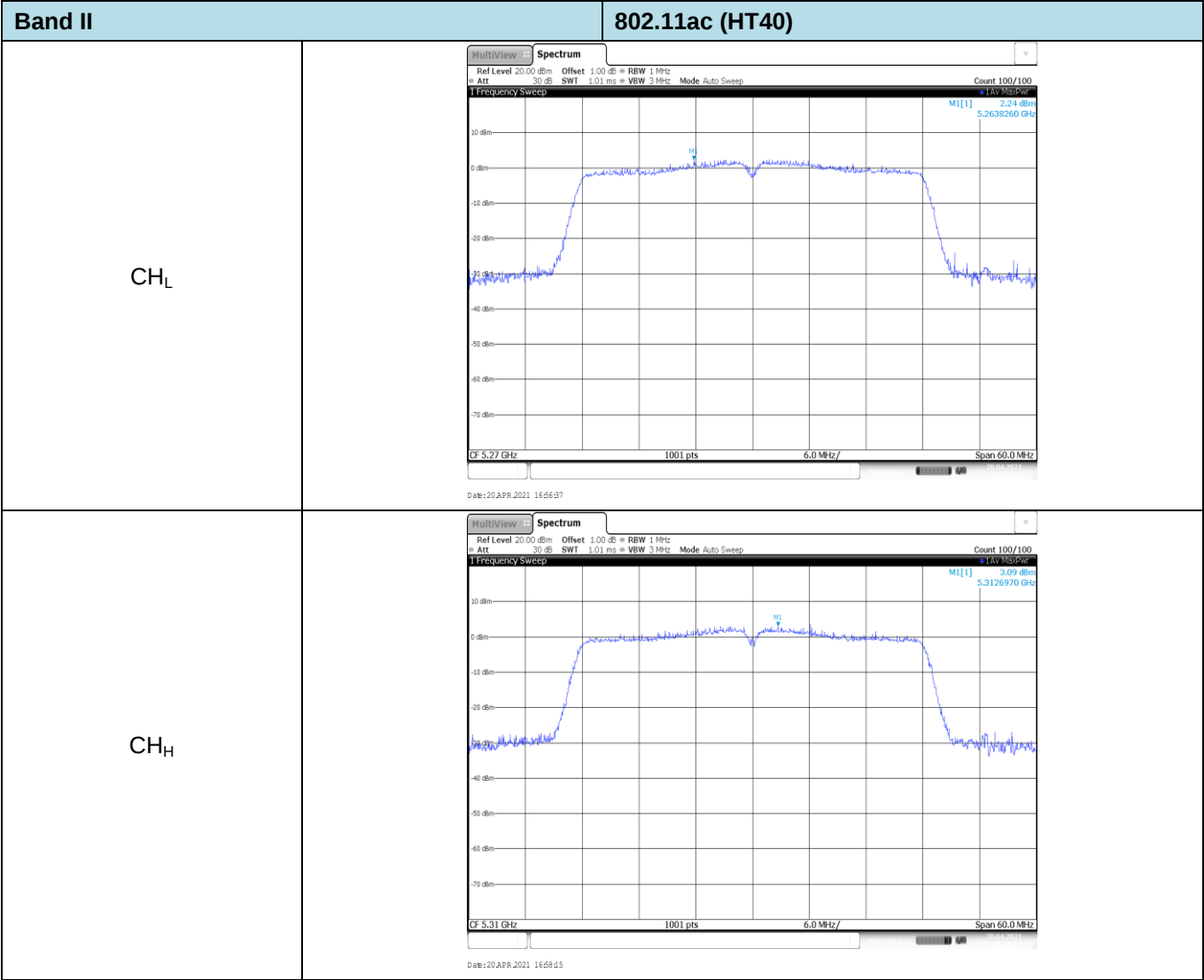
Band I		802.11ac (HT40)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MU[1] 1.07 dBm 5.1920980 GHz  CF 5.19 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 20 APR 2021 16:24:39	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MU[1] 2.15 dBm 5.2257440 GHz  CF 5.23 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 20 APR 2021 16:26:24	

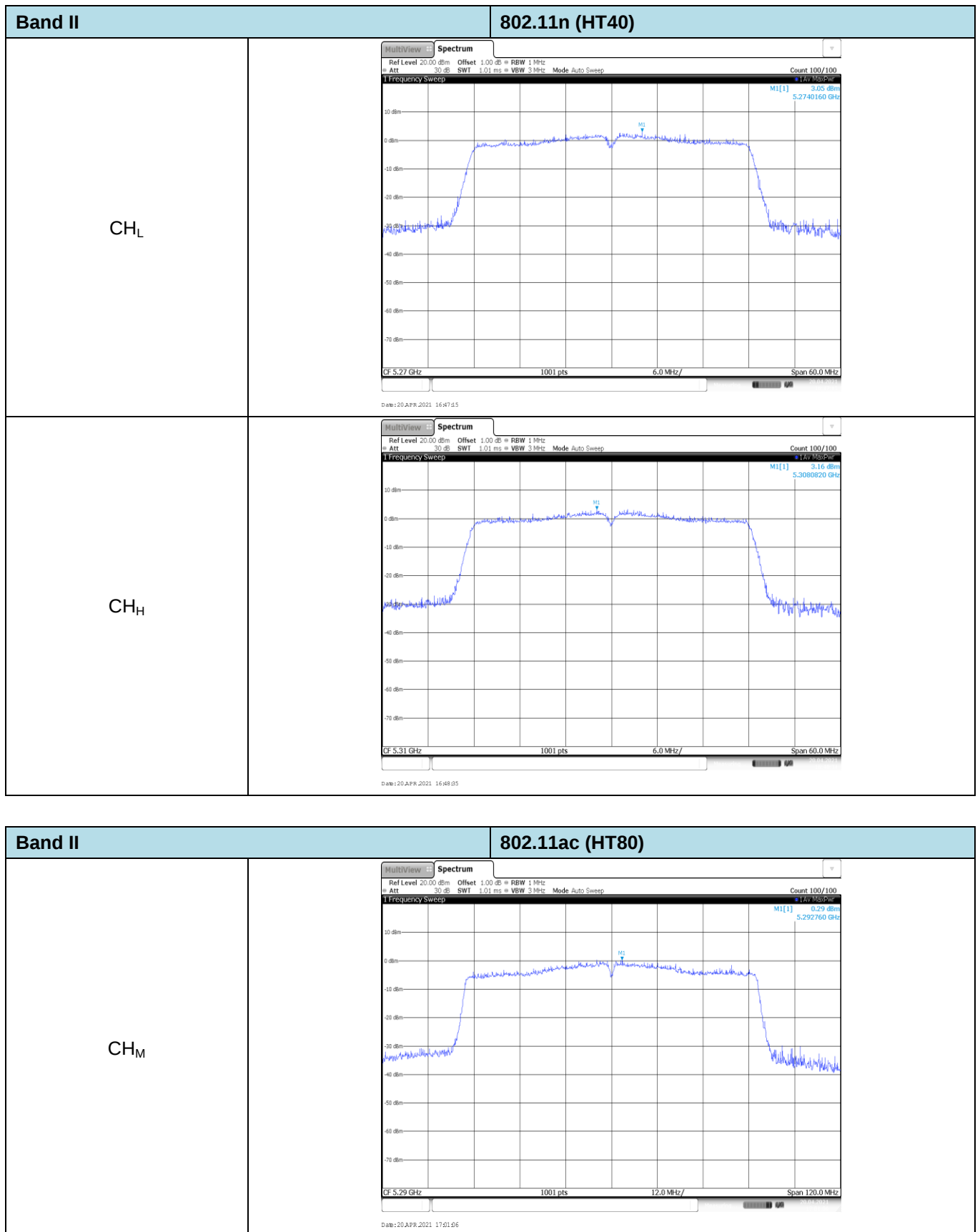


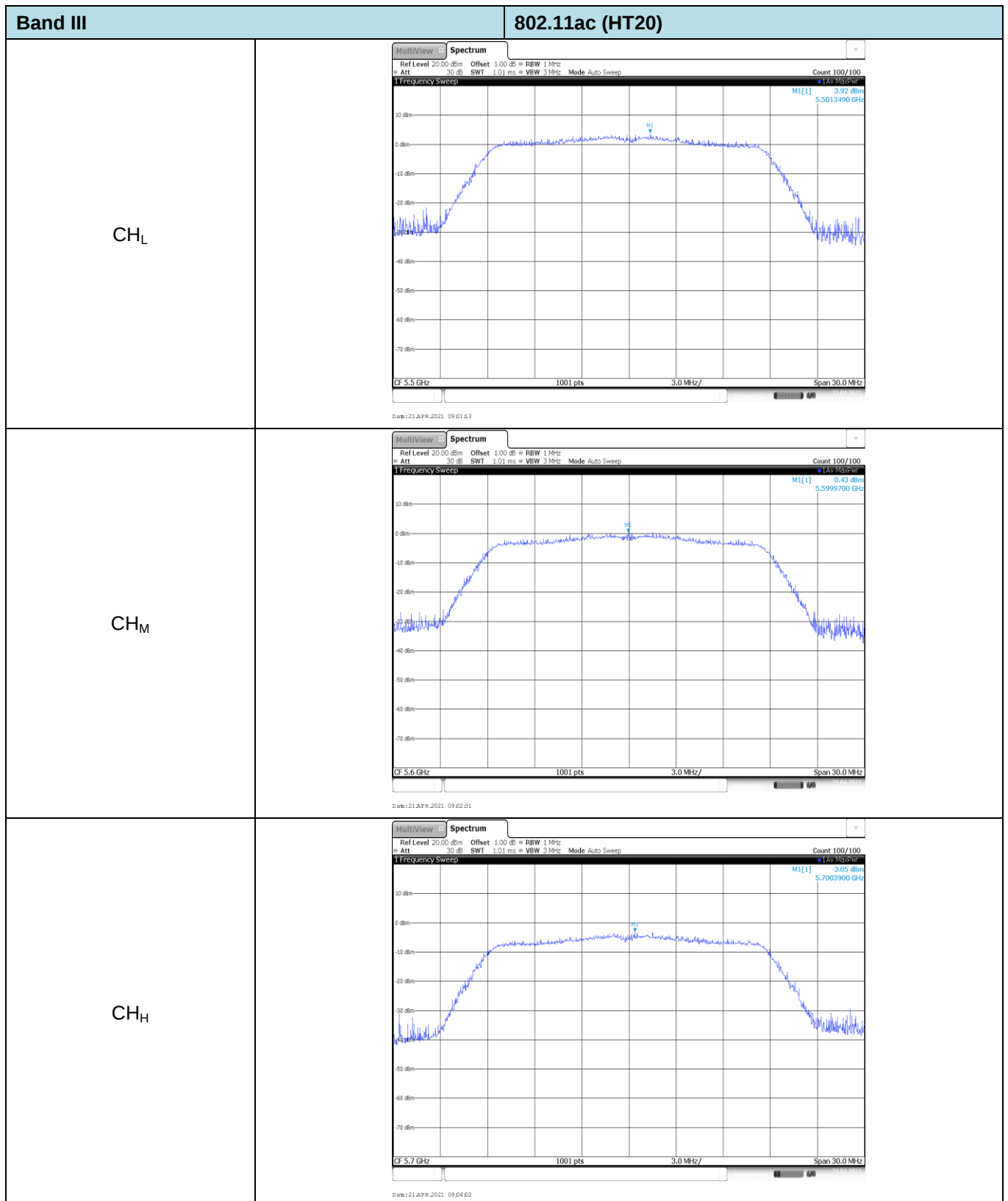


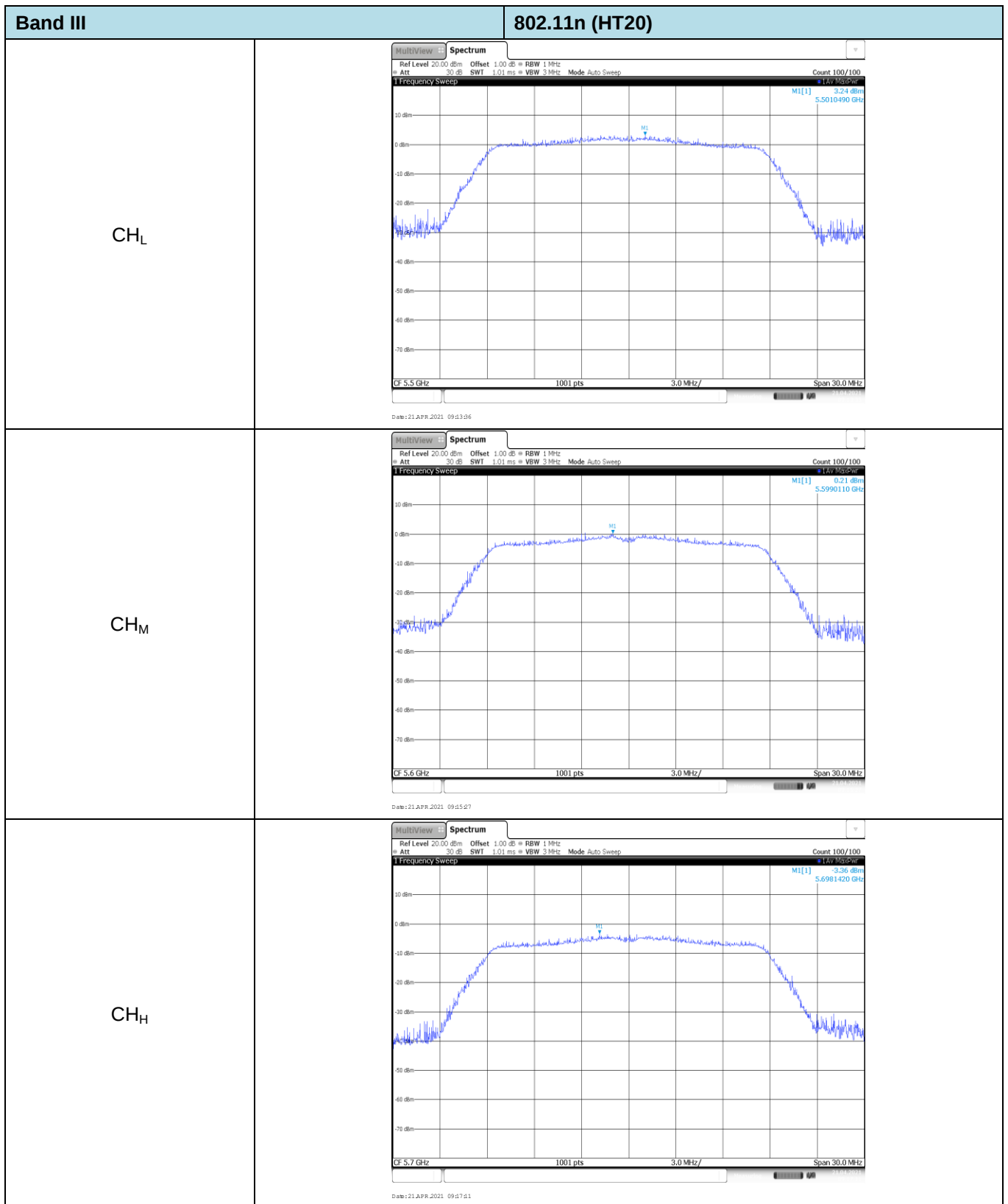
Band II		802.11n (HT20)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT M5SPW M1[1] 5.96 dBm 5.2592210 GHz 1 Frequency Sweep  CF 5.26 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 20 APR 2021 16:41:32	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT M5SPW M1[1] 6.14 dBm 5.2823680 GHz 1 Frequency Sweep  CF 5.28 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 20 APR 2021 16:43:13	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT M5SPW M1[1] 5.78 dBm 5.3209290 GHz 1 Frequency Sweep  CF 5.32 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 20 APR 2021 16:44:24	

Band II		802.11a
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT M50Pwr M1[1] 5.76 dBm 5.2605690 GHz  CF 5.26 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 20 APR, 2021 16:05:02	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT M50Pwr M1[1] 6.48 dBm 5.2805690 GHz  CF 5.28 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 20 APR, 2021 16:08:07	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT M50Pwr M1[1] 6.38 dBm 5.3205390 GHz  CF 5.32 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 20 APR, 2021 16:09:48	

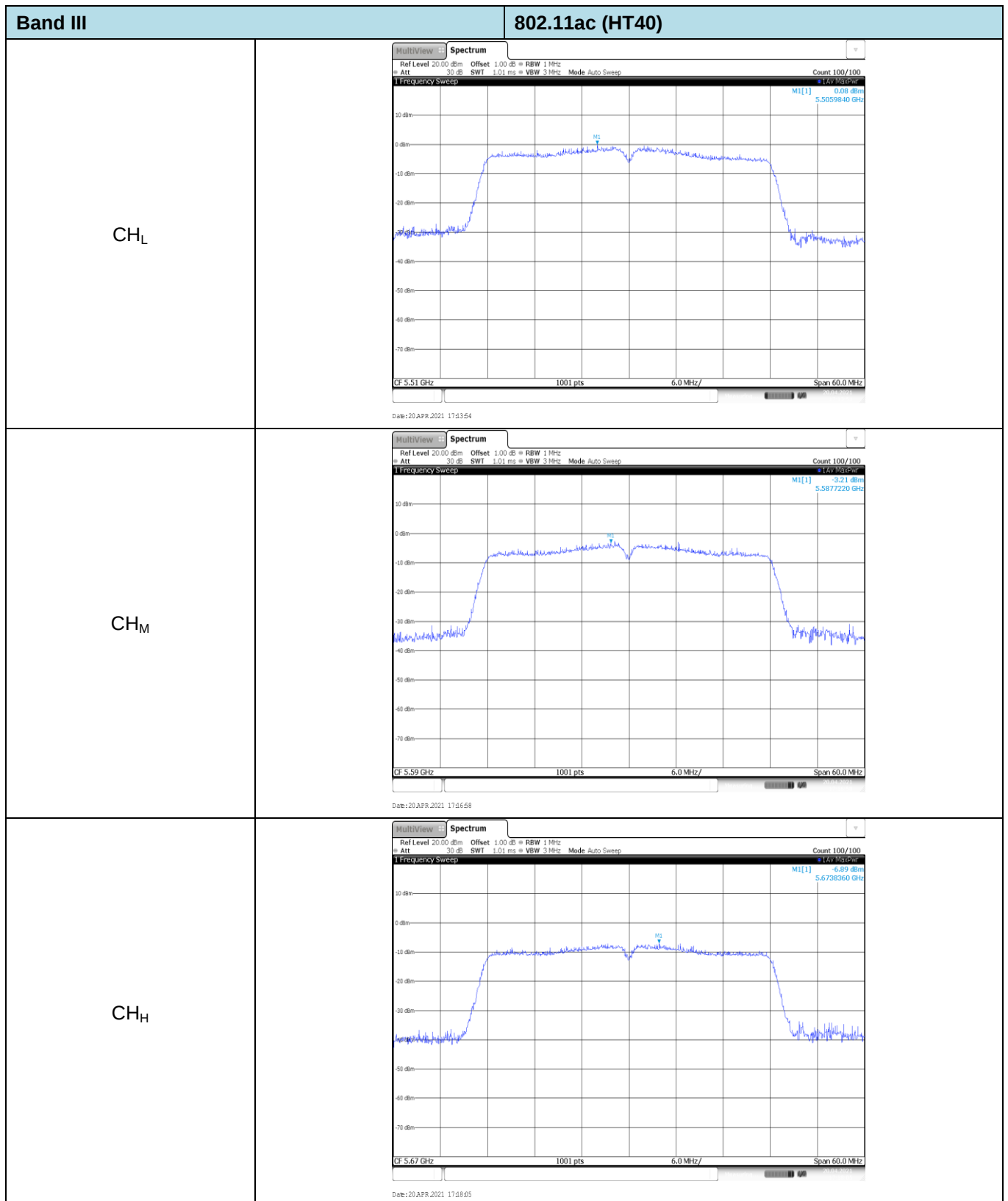


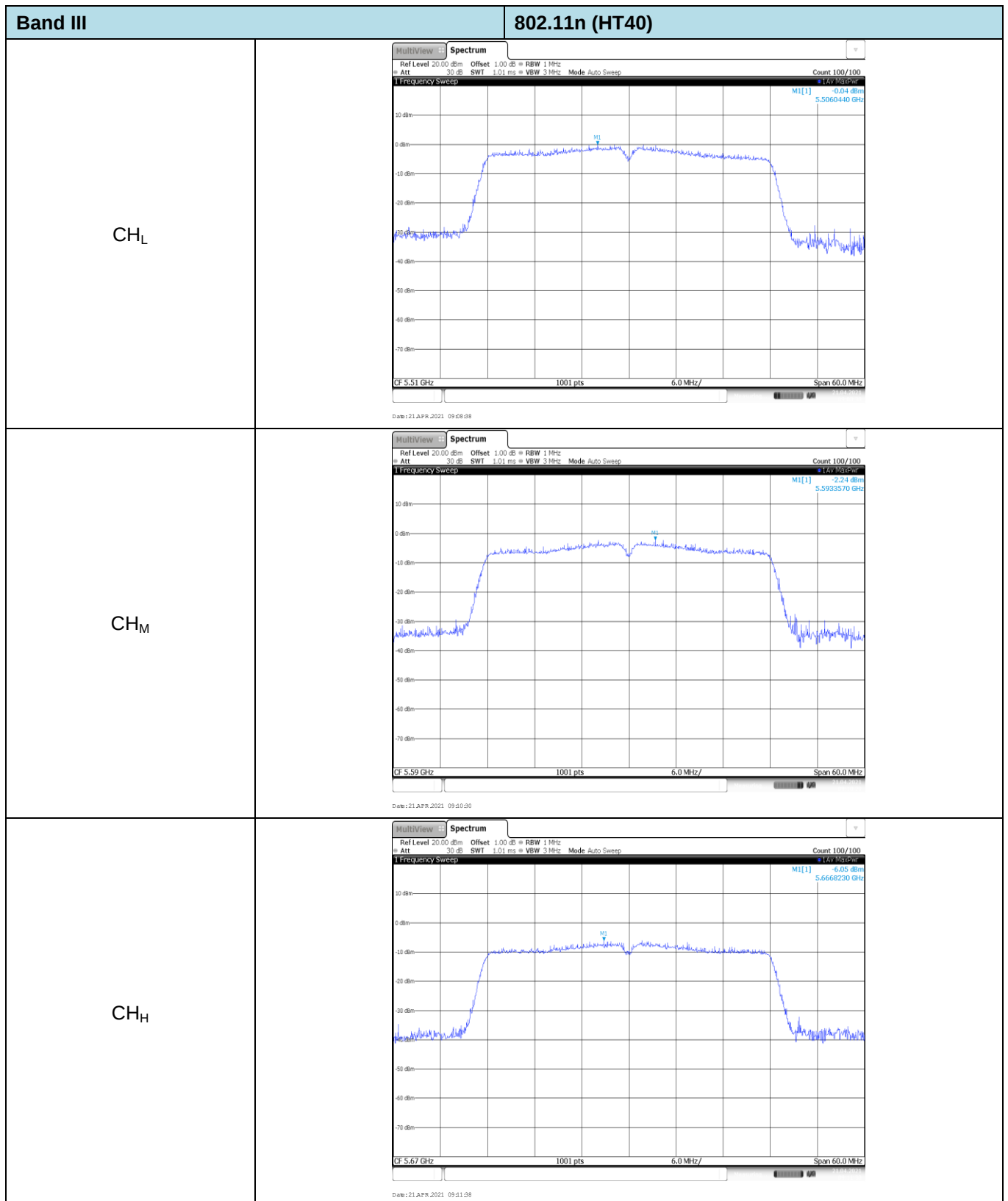


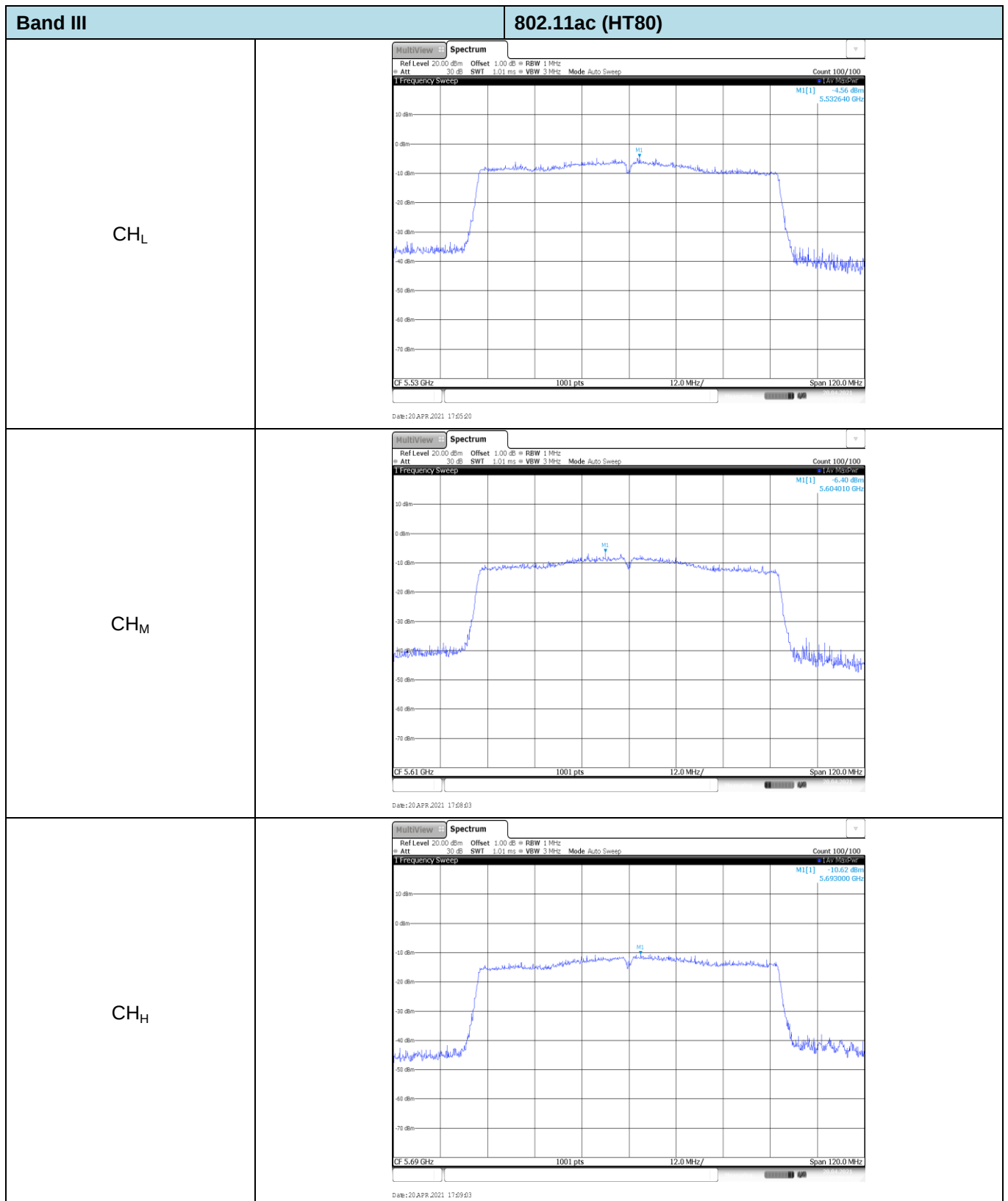


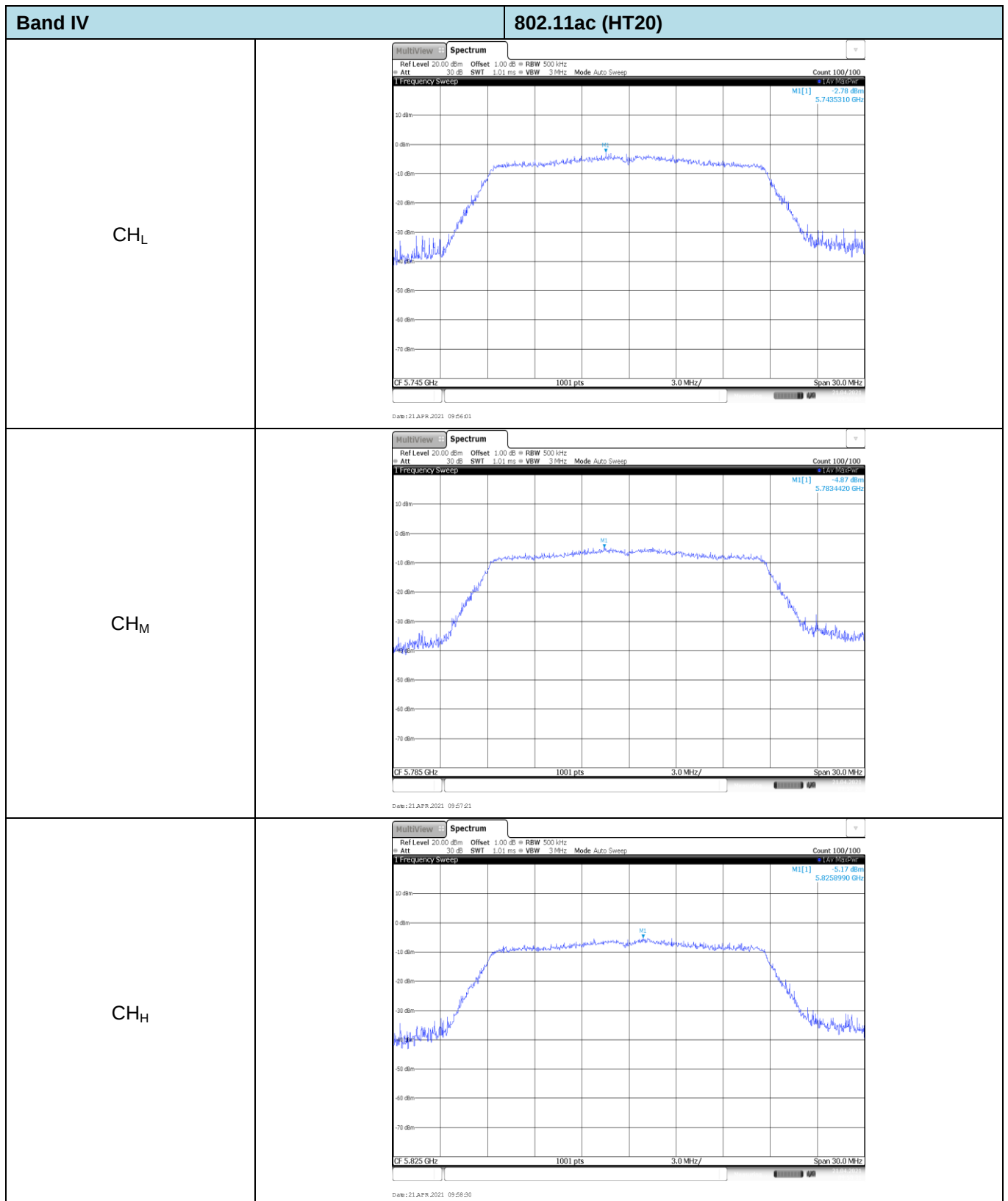


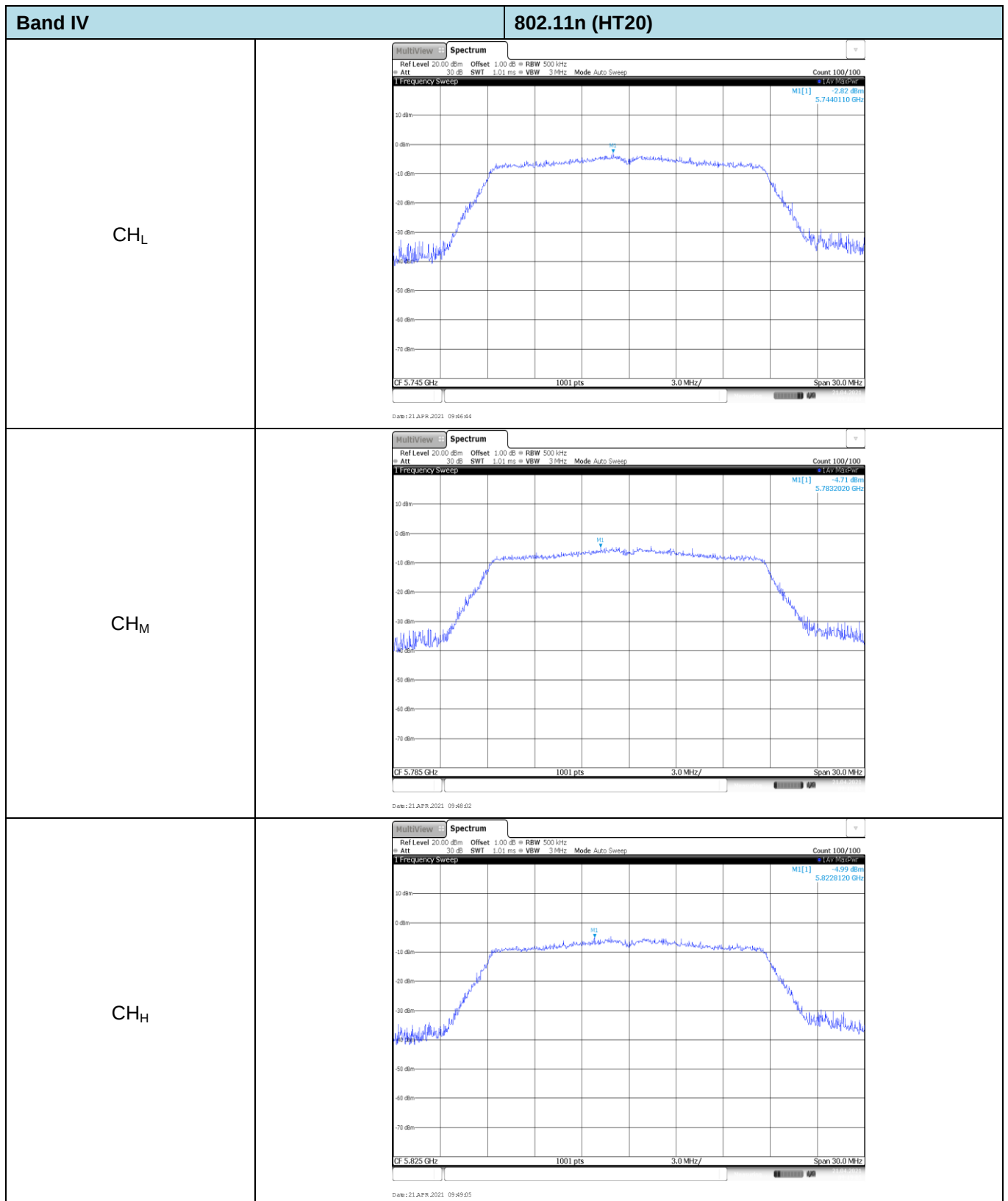
Band III		802.11a
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz Mode Auto Sweep Count 100/100 STAT MSDPW Frequency Sweep MU[1] 4.02 dBm 5.5005690 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.5 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 21 APR 2021 09:19:23	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz Mode Auto Sweep Count 100/100 STAT MSDPW Frequency Sweep MU[1] 0.61 dBm 5.6006890 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.6 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 21 APR 2021 09:21:02	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz Mode Auto Sweep Count 100/100 STAT MSDPW Frequency Sweep MU[1] -2.89 dBm 5.6982320 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.7 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 21 APR 2021 09:24:18	



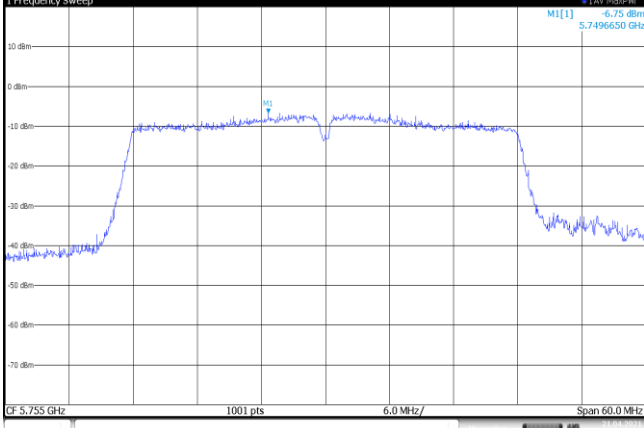
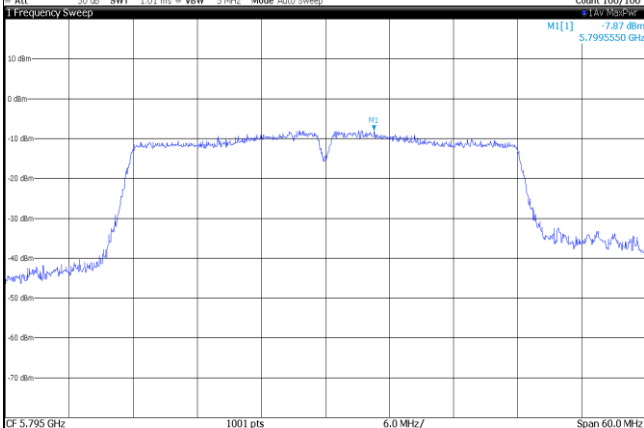


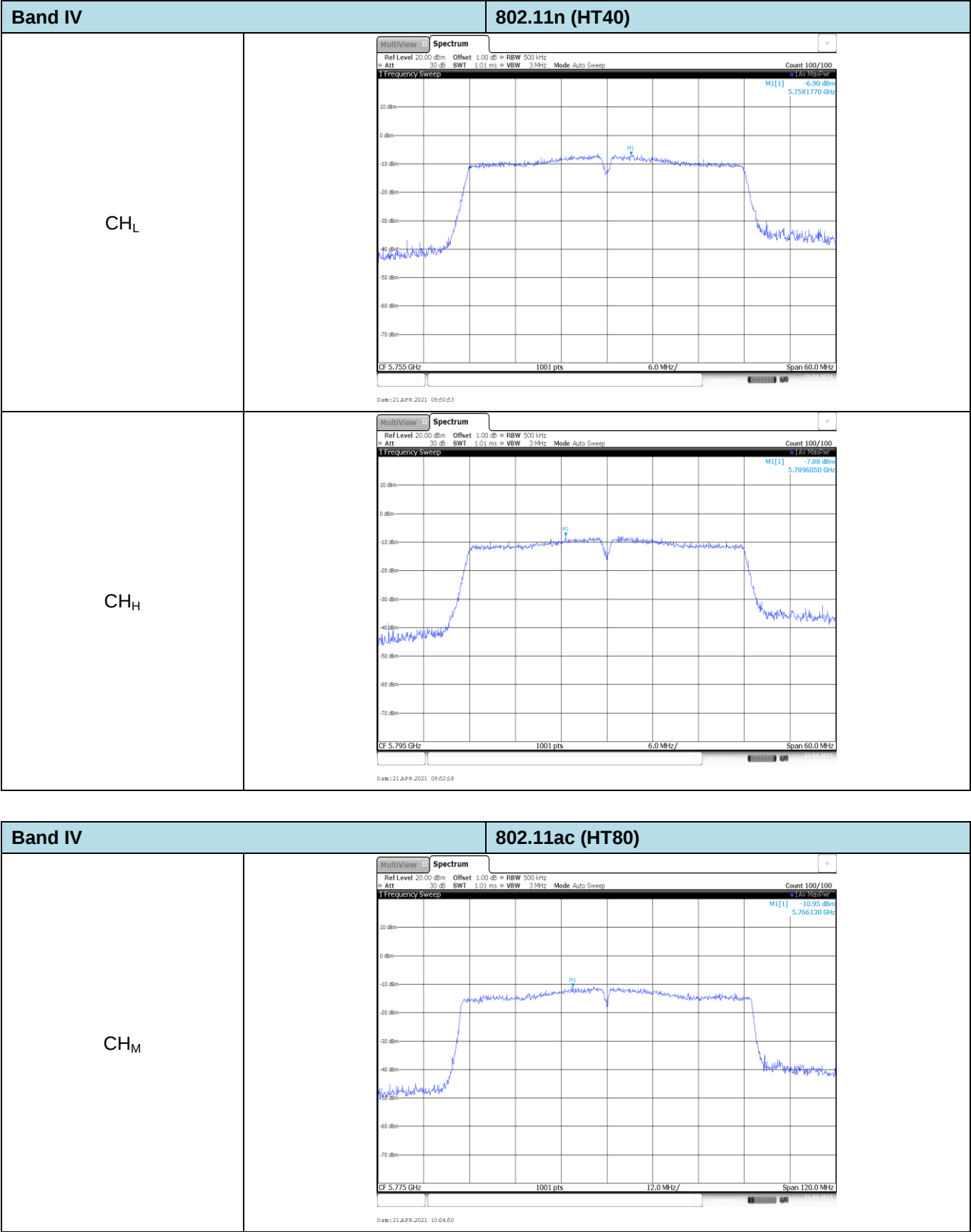






Band IV		802.11a
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT MSPwr 1 Frequency Sweep M1[1] -3.96 dBm 5.7444310 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.745 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 21 APR 2021 09:04:25	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT MSPwr 1 Frequency Sweep M1[1] -4.92 dBm 5.7855390 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.785 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 21 APR 2021 09:05:43	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT MSPwr 1 Frequency Sweep M1[1] -5.90 dBm 5.8238010 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.825 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 21 APR 2021 09:06:44	

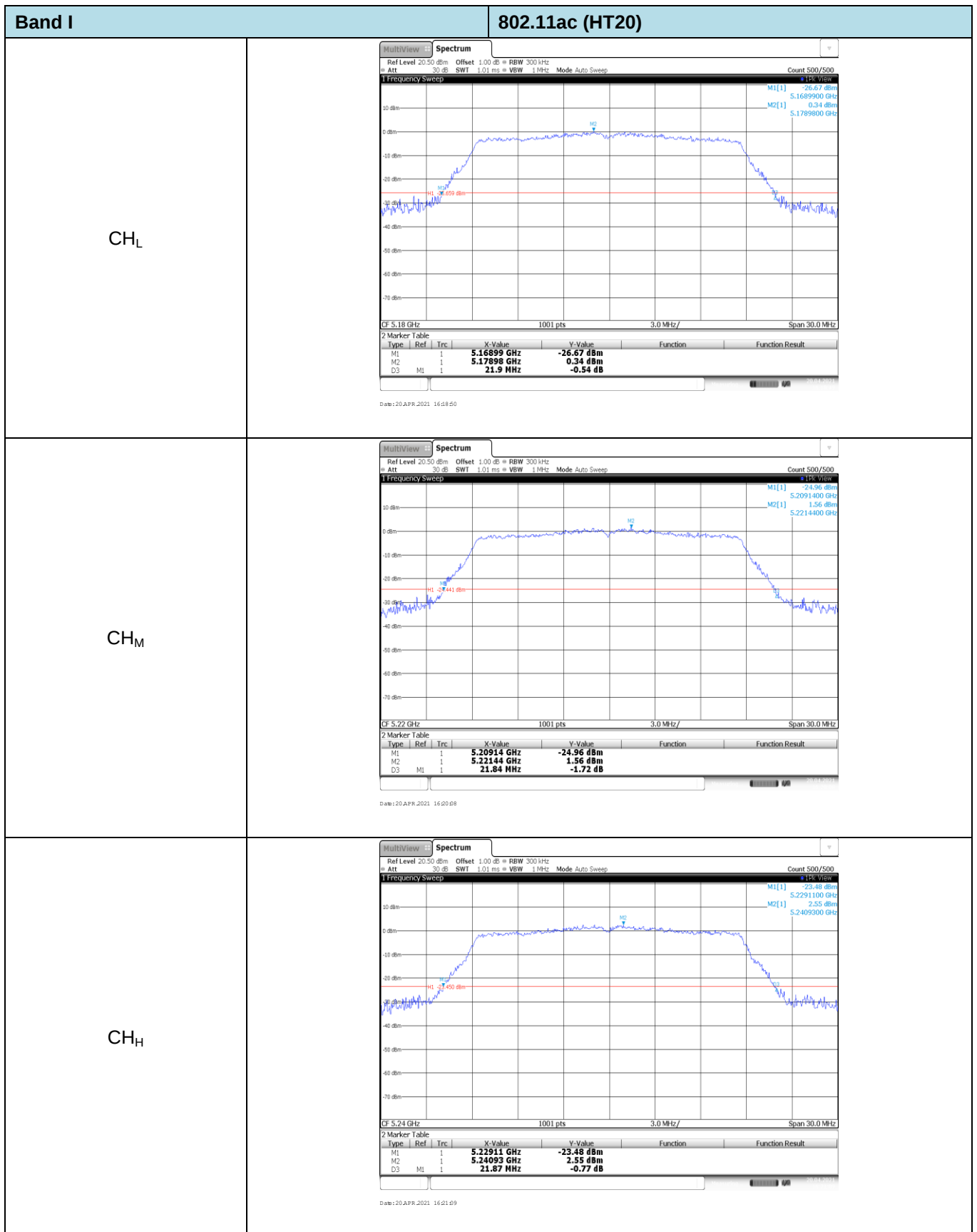
Band IV		802.11ac (HT40)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] -6.75 dBm 5.7496650 GHz  CF 5.755 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 21 APR 2021 10:00:09	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] -7.87 dBm 5.7995550 GHz  CF 5.795 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 21 APR 2021 10:02:08	

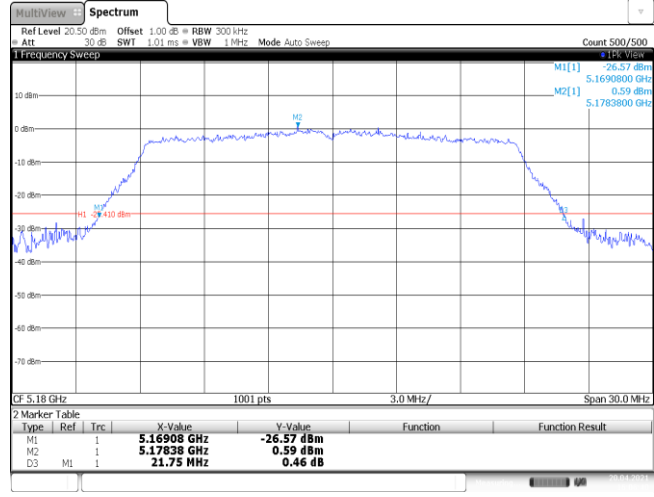
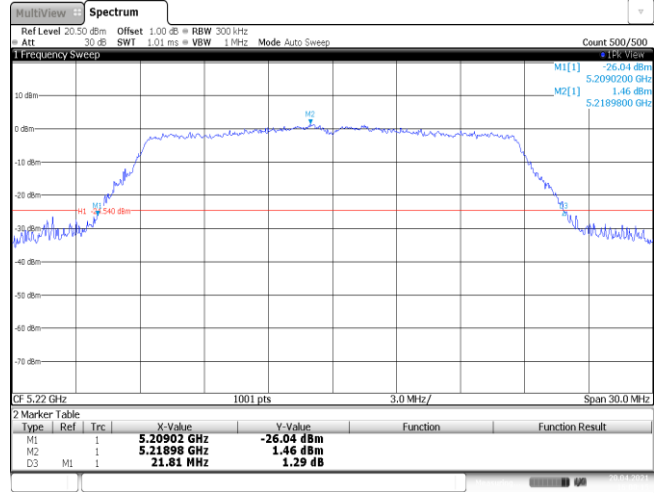
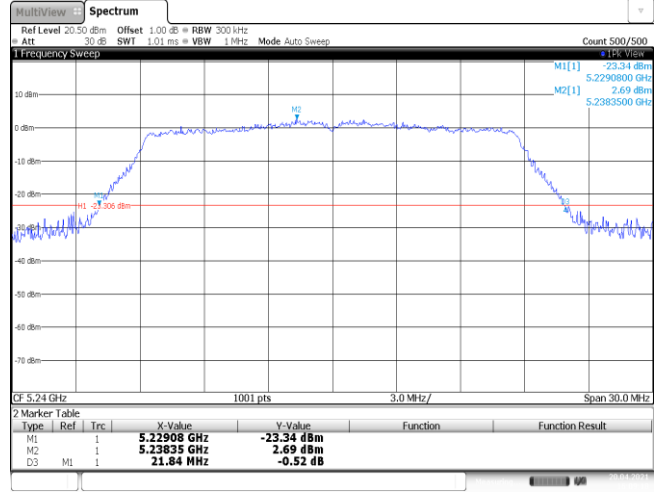


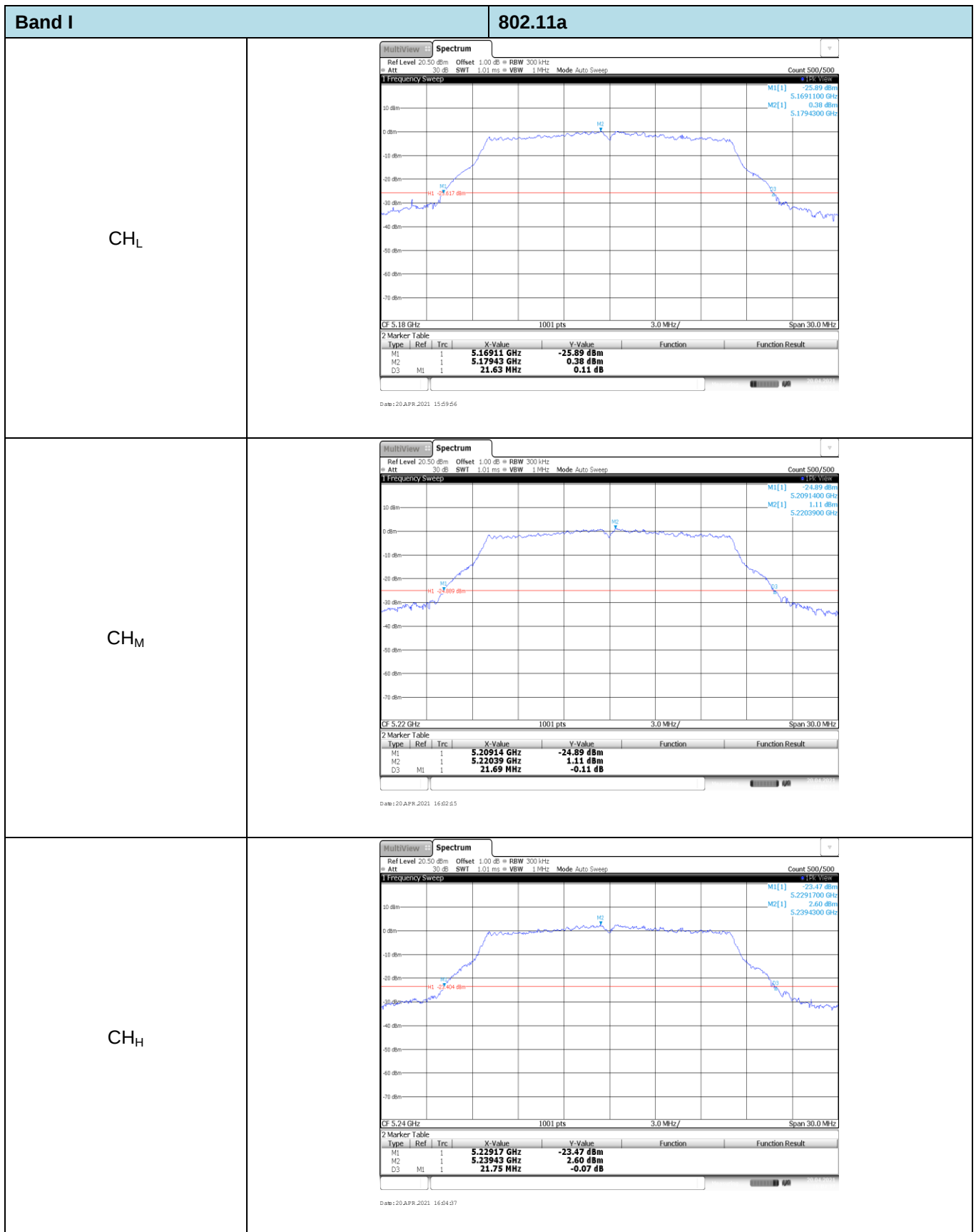
Appendix C: 26dB bandwidth

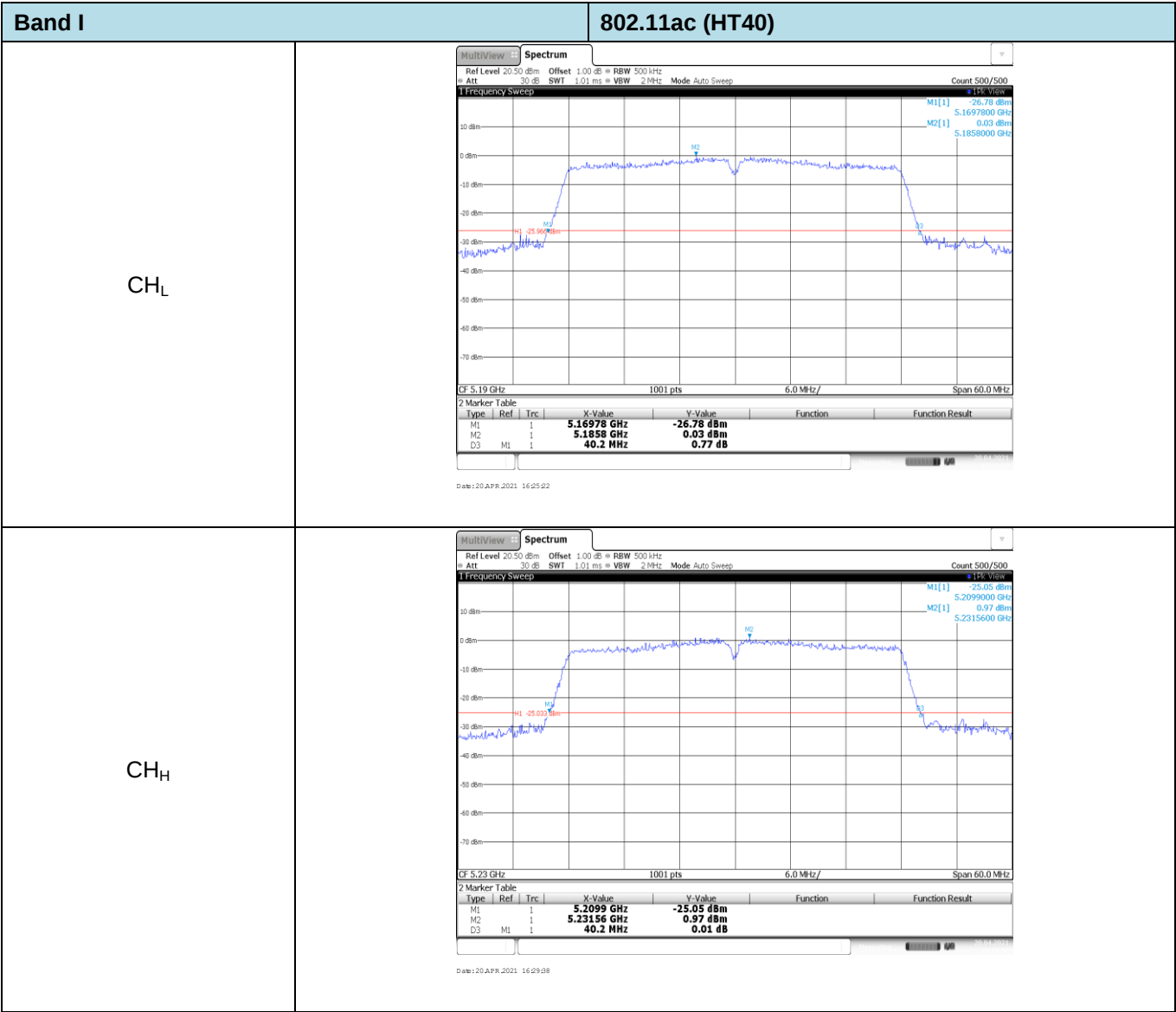
Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
I	20	802.11ac	CH _L	21.90	Pass
			CH _M	21.84	
			CH _H	21.87	
		802.11n	CH _L	21.75	Pass
			CH _M	21.81	
			CH _H	21.84	
		802.11a	CH _L	21.63	Pass
			CH _M	21.69	
			CH _H	21.75	
	40	802.11ac	CH _L	40.20	Pass
			CH _H	40.20	
		802.11n	CH _L	40.32	Pass
			CH _H	40.02	
	80	802.11ac	CH _M	81.96	Pass
II	20	802.11ac	CH _L	21.66	Pass
			CH _M	21.84	
			CH _H	21.81	
		802.11n	CH _L	21.93	Pass
			CH _M	21.90	
			CH _H	21.84	
		802.11a	CH _L	21.75	Pass
			CH _M	21.81	
			CH _H	21.81	
	40	802.11ac	CH _L	40.08	Pass
			CH _H	40.26	
		802.11n	CH _L	40.20	Pass
			CH _H	40.50	
	80	802.11ac	CH _M	82.56	Pass

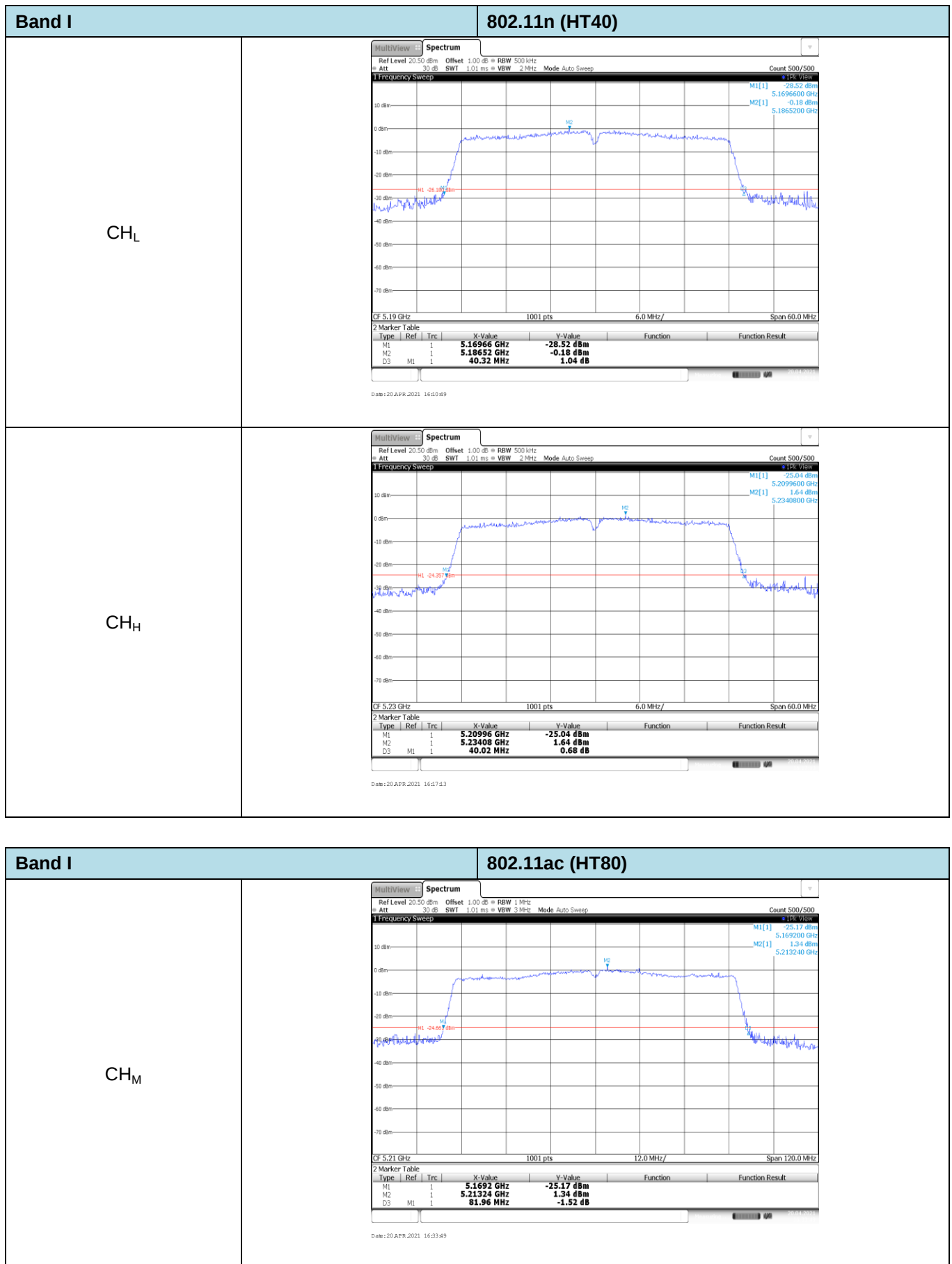
Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
III	20	802.11ac	CH _L	21.87	Pass
			CH _M	21.87	
			CH _H	21.69	
		802.11n	CH _L	21.90	Pass
			CH _M	22.02	
			CH _H	21.81	
		802.11a	CH _L	21.99	Pass
			CH _M	24.99	
			CH _H	21.81	
	40	802.11ac	CH _L	40.26	Pass
			CH _M	41.04	
			CH _H	40.32	
		802.11n	CH _L	40.26	Pass
			CH _M	40.44	
			CH _H	39.96	
	80	802.11ac	CH _L	82.44	Pass
			CH _M	81.48	
			CH _H	82.68	

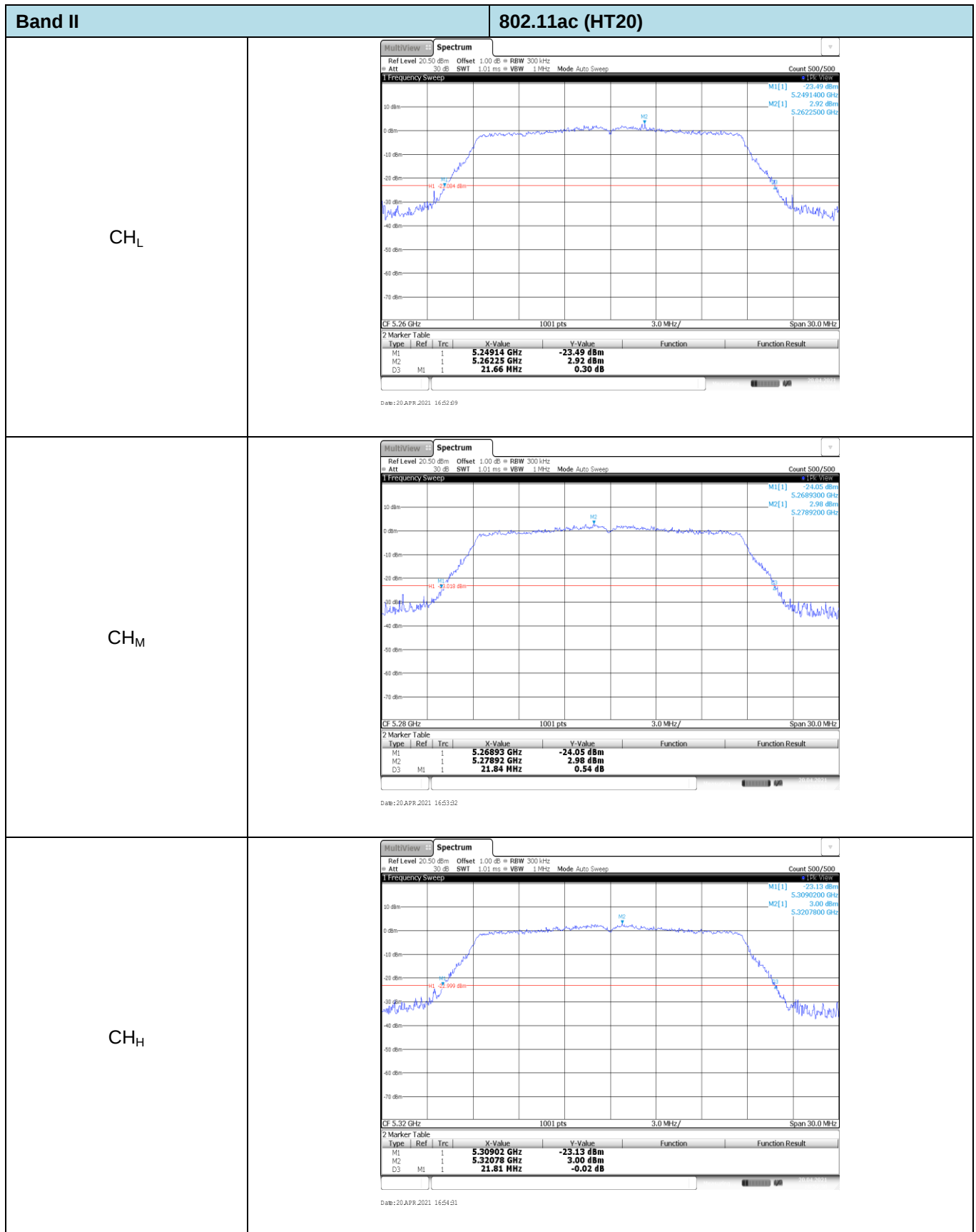


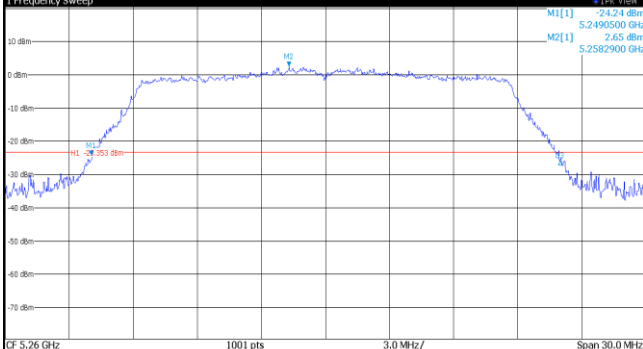
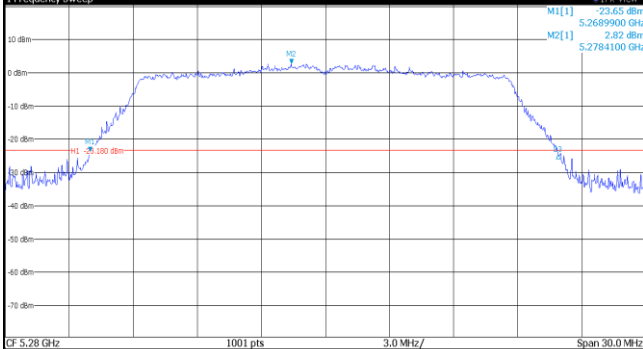
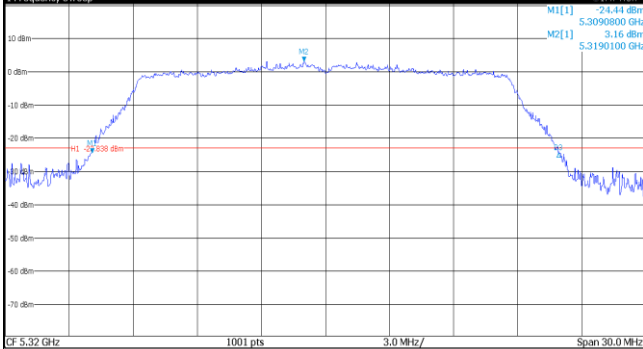
Band I		802.11n (HT20)																													
CH _L	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWF 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm  CF 5.18 GHz 1001 pts 3.0 MHz/ 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>5.16908 GHz</td><td>-26.57 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.17838 GHz</td><td>0.59 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>21.75 MHz</td><td>0.46 dB</td><td></td><td></td></tr></table> Date: 20 APR 2021 16:06:40			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.16908 GHz	-26.57 dBm			M2	1		5.17838 GHz	0.59 dBm			D3	M1	1	21.75 MHz	0.46 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																									
M1	1		5.16908 GHz	-26.57 dBm																											
M2	1		5.17838 GHz	0.59 dBm																											
D3	M1	1	21.75 MHz	0.46 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>5.20902 GHz</td><td>-26.04 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.21898 GHz</td><td>1.46 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>21.81 MHz</td><td>1.29 dB</td><td></td><td></td></tr></table> Date: 20 APR 2021 16:08:15			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.20902 GHz	-26.04 dBm			M2	1		5.21898 GHz	1.46 dBm			D3	M1	1	21.81 MHz	1.29 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																									
M1	1		5.20902 GHz	-26.04 dBm																											
M2	1		5.21898 GHz	1.46 dBm																											
D3	M1	1	21.81 MHz	1.29 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>5.22908 GHz</td><td>-23.34 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.23835 GHz</td><td>2.69 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>21.84 MHz</td><td>-0.52 dB</td><td></td><td></td></tr></table> Date: 20 APR 2021 16:09:18			Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.22908 GHz	-23.34 dBm			M2	1		5.23835 GHz	2.69 dBm			D3	M1	1	21.84 MHz	-0.52 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																									
M1	1		5.22908 GHz	-23.34 dBm																											
M2	1		5.23835 GHz	2.69 dBm																											
D3	M1	1	21.84 MHz	-0.52 dB																											

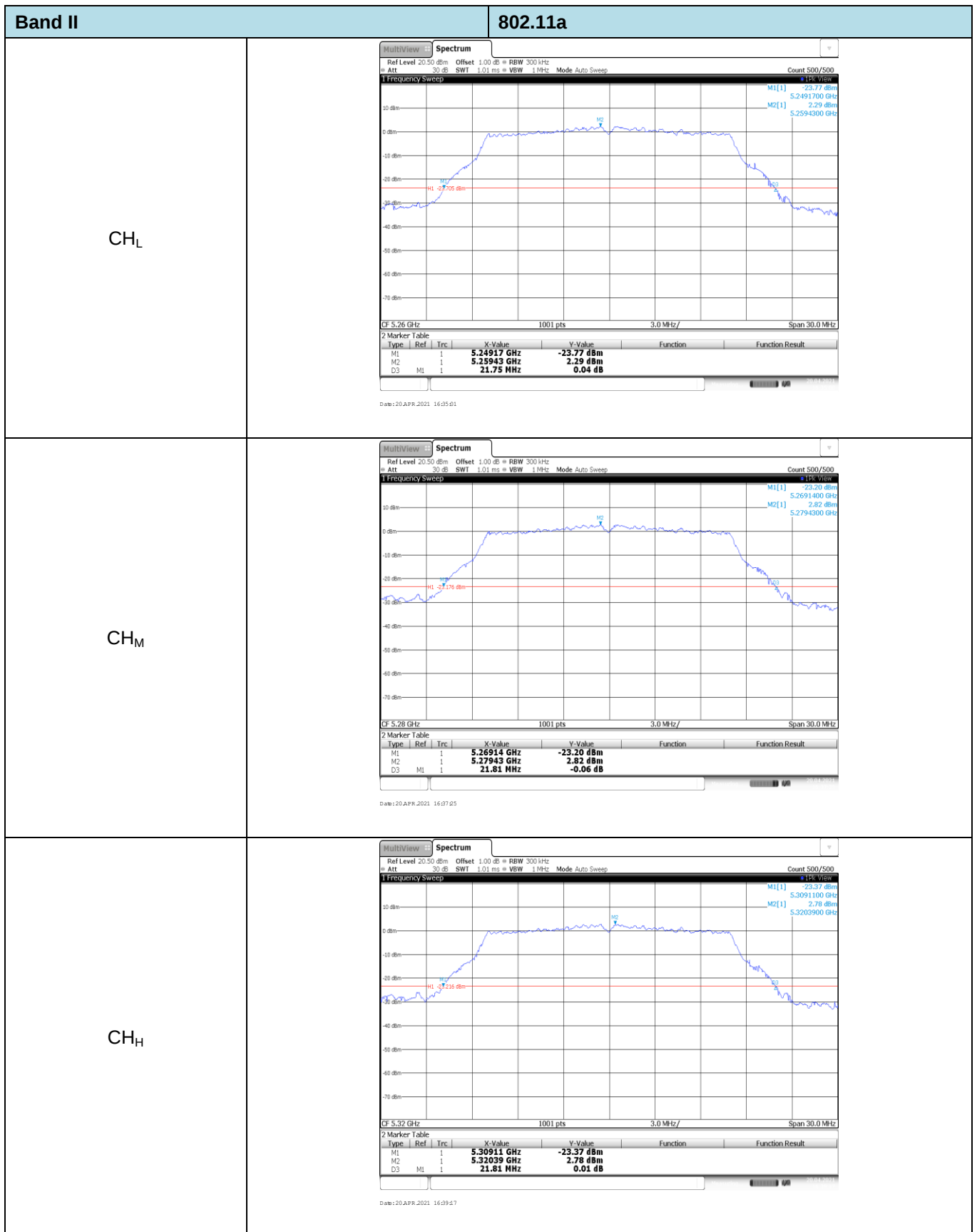


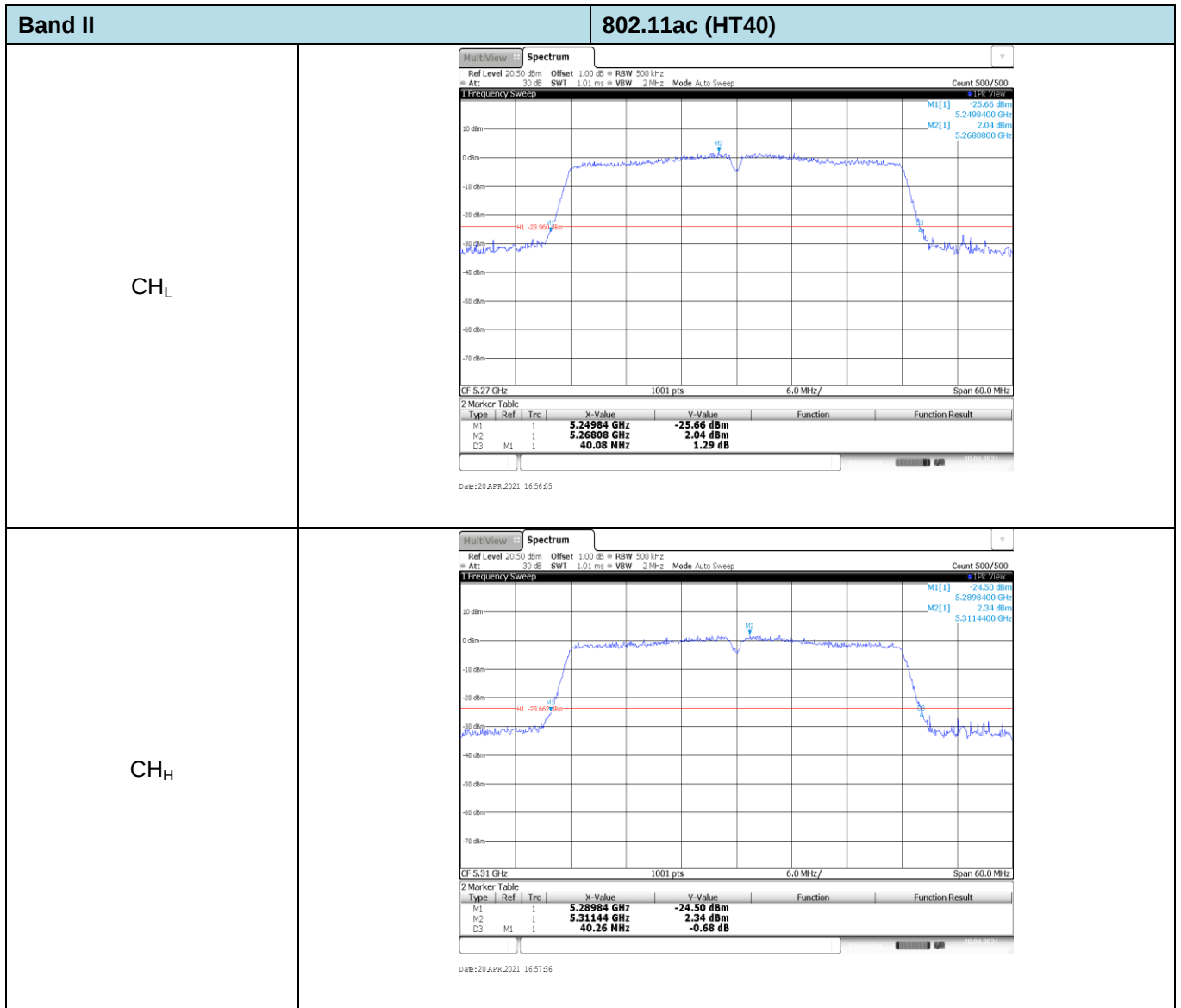


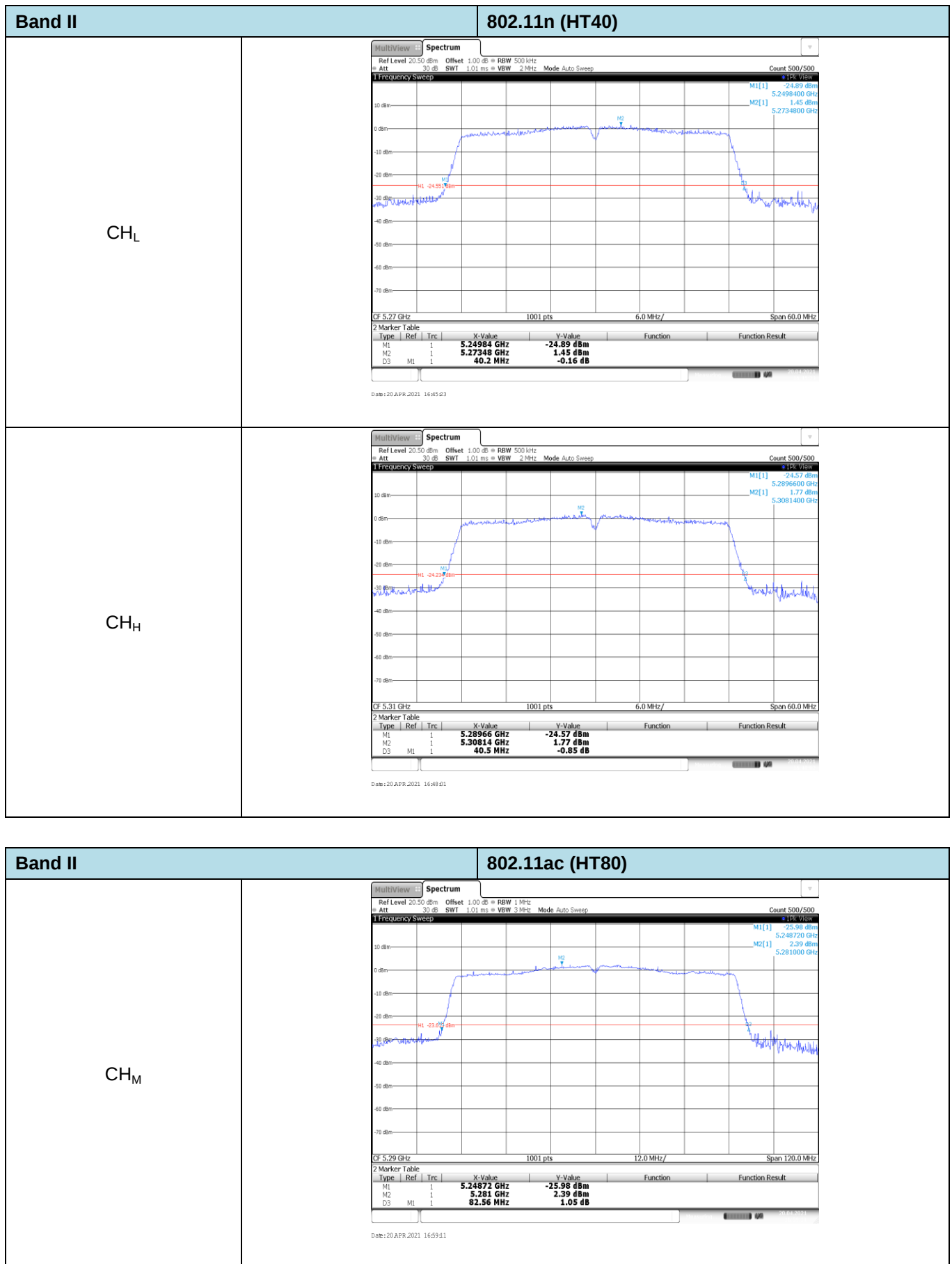


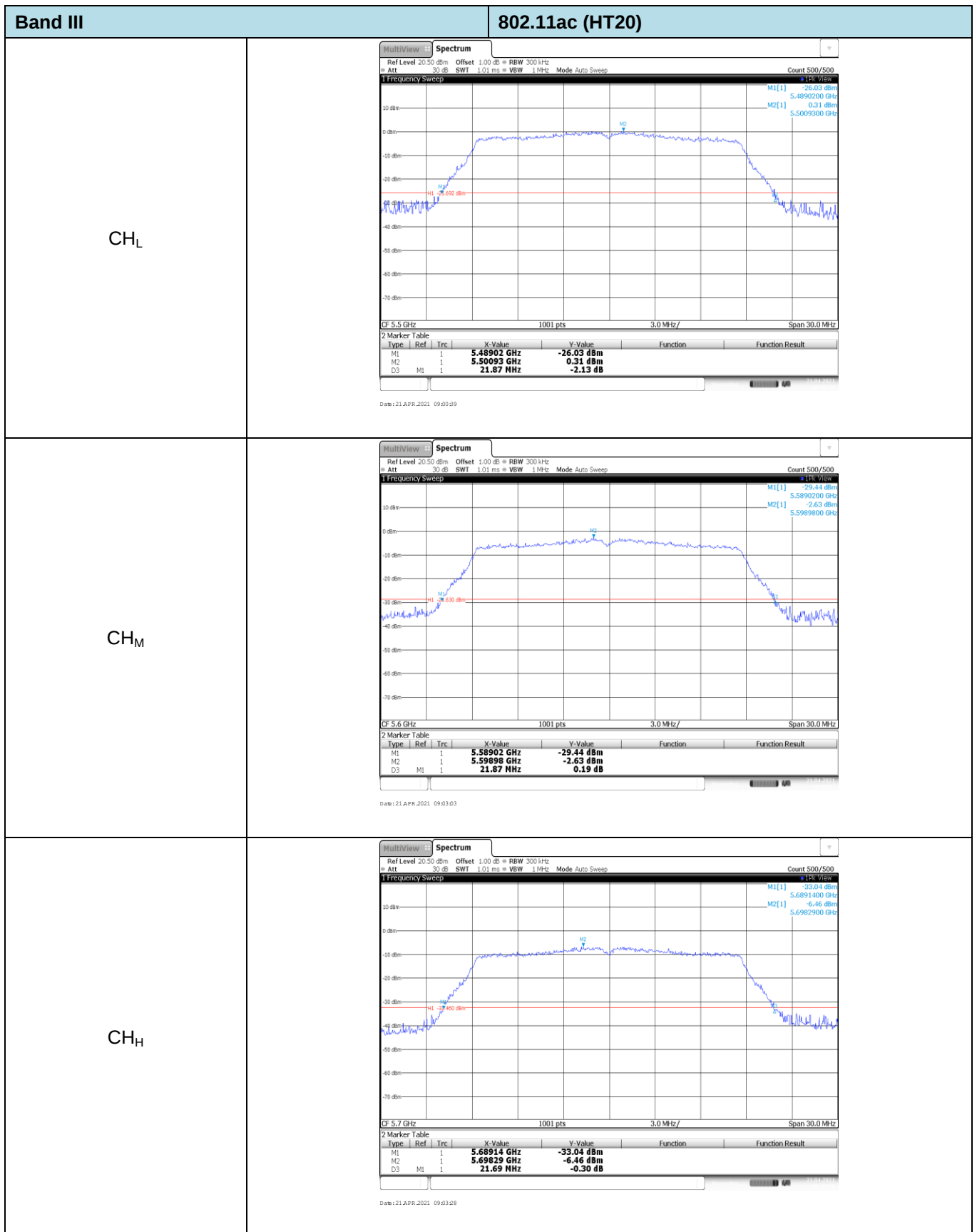


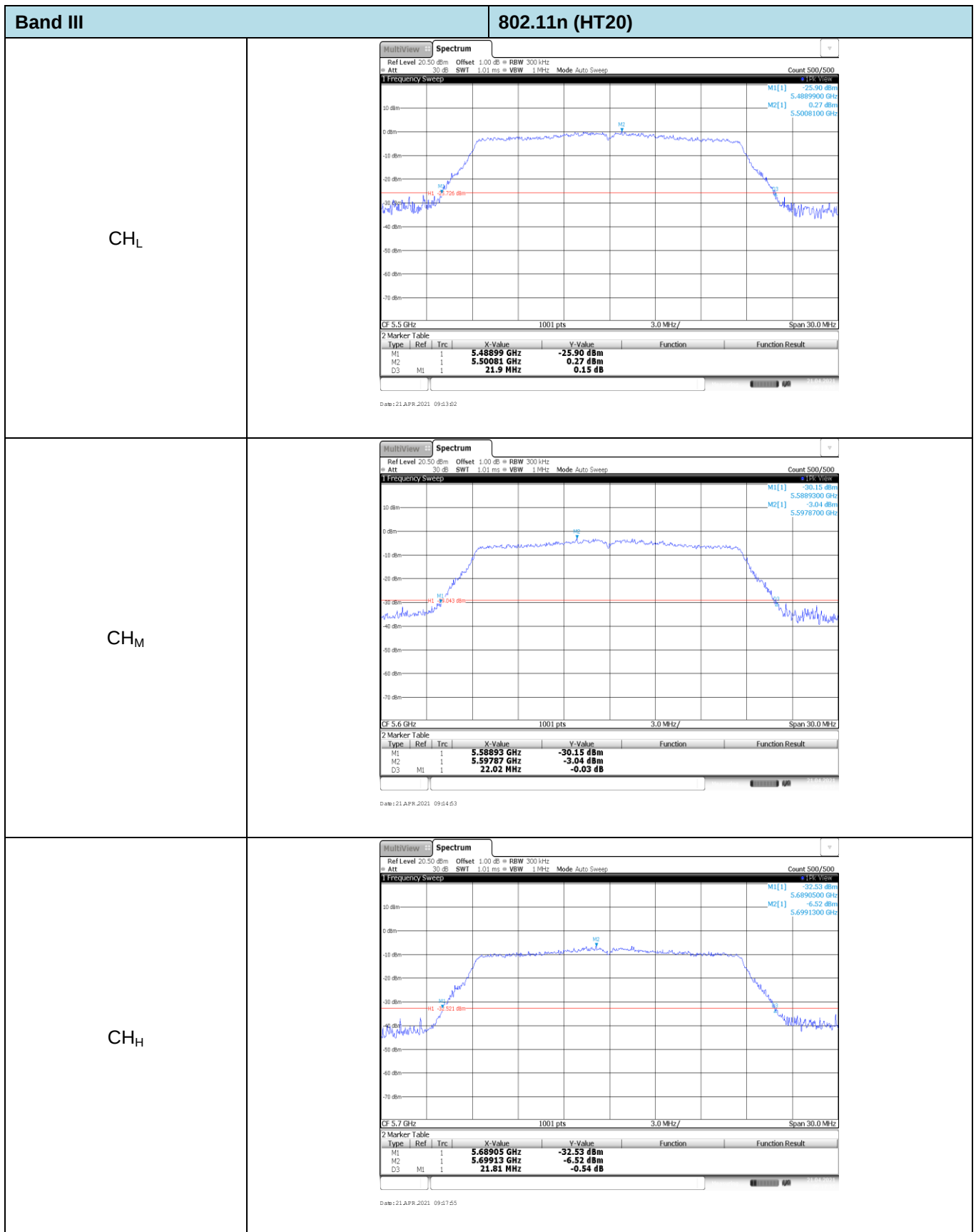
Band II		802.11n (HT20)																											
CH _L	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep  CF 5.26 GHz1001 pts3.0 MHz/Span 30.0 MHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>5.24905 GHz</td><td>-24.24 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.25829 GHz</td><td>2.65 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>21.93 MHz</td><td>-1.70 dB</td><td></td><td></td></tr></table> Date: 20 APR 2021 16:40:29	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.24905 GHz	-24.24 dBm			M2	1		5.25829 GHz	2.65 dBm			D3	M1	1	21.93 MHz	-1.70 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.24905 GHz	-24.24 dBm																									
M2	1		5.25829 GHz	2.65 dBm																									
D3	M1	1	21.93 MHz	-1.70 dB																									
CH _M	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep  CF 5.28 GHz1001 pts3.0 MHz/Span 30.0 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>5.26899 GHz</td><td>-23.65 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.27841 GHz</td><td>2.82 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>21.9 MHz</td><td>-0.92 dB</td><td></td><td></td></tr></table> Date: 20 APR 2021 16:42:19	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.26899 GHz	-23.65 dBm			M2	1		5.27841 GHz	2.82 dBm			D3	M1	1	21.9 MHz	-0.92 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.26899 GHz	-23.65 dBm																									
M2	1		5.27841 GHz	2.82 dBm																									
D3	M1	1	21.9 MHz	-0.92 dB																									
CH _H	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep  CF 5.32 GHz1001 pts3.0 MHz/Span 30.0 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>5.30908 GHz</td><td>-24.44 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.31901 GHz</td><td>3.16 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>21.84 MHz</td><td>0.07 dB</td><td></td><td></td></tr></table> Date: 20 APR 2021 16:43:50	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.30908 GHz	-24.44 dBm			M2	1		5.31901 GHz	3.16 dBm			D3	M1	1	21.84 MHz	0.07 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.30908 GHz	-24.44 dBm																									
M2	1		5.31901 GHz	3.16 dBm																									
D3	M1	1	21.84 MHz	0.07 dB																									

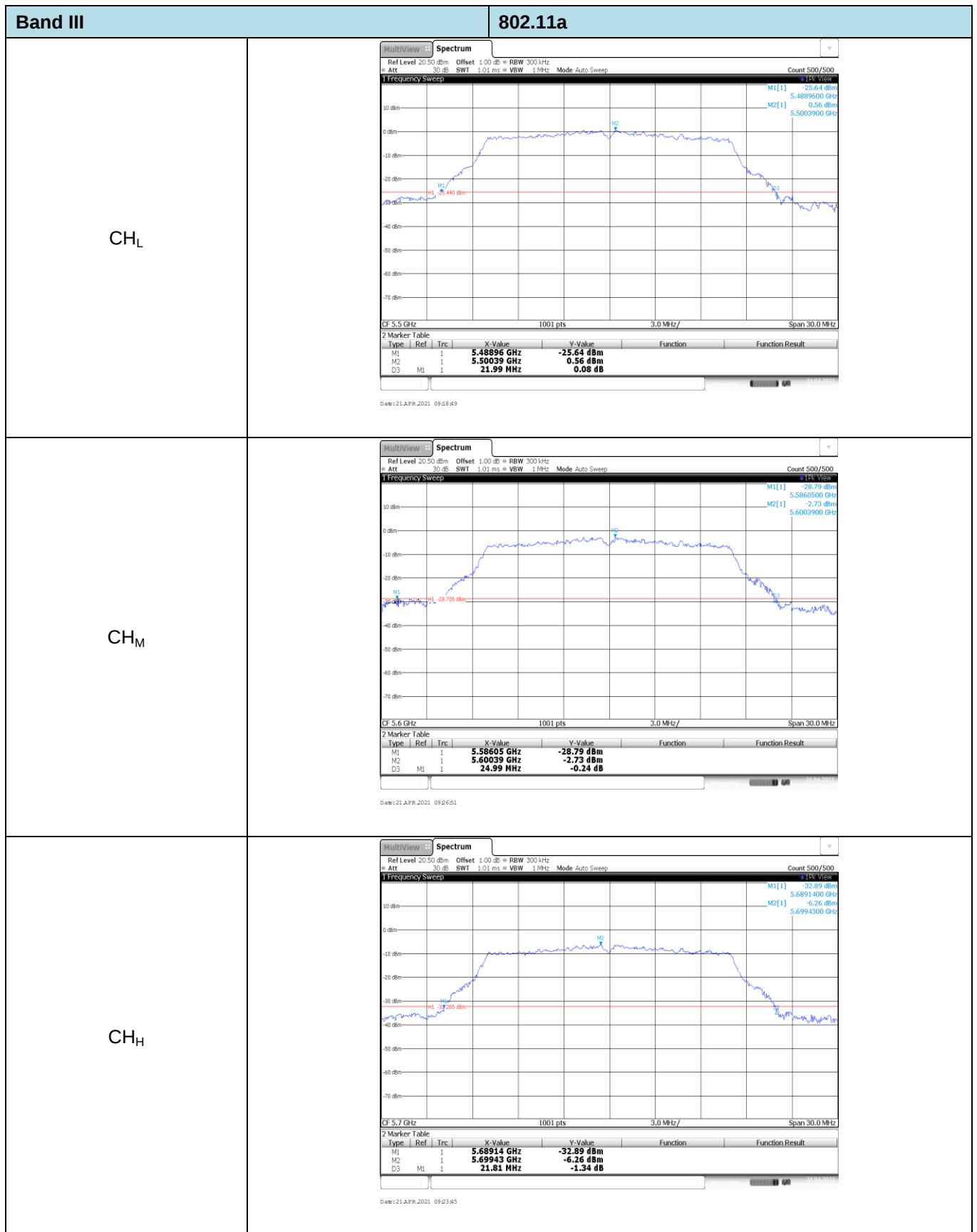


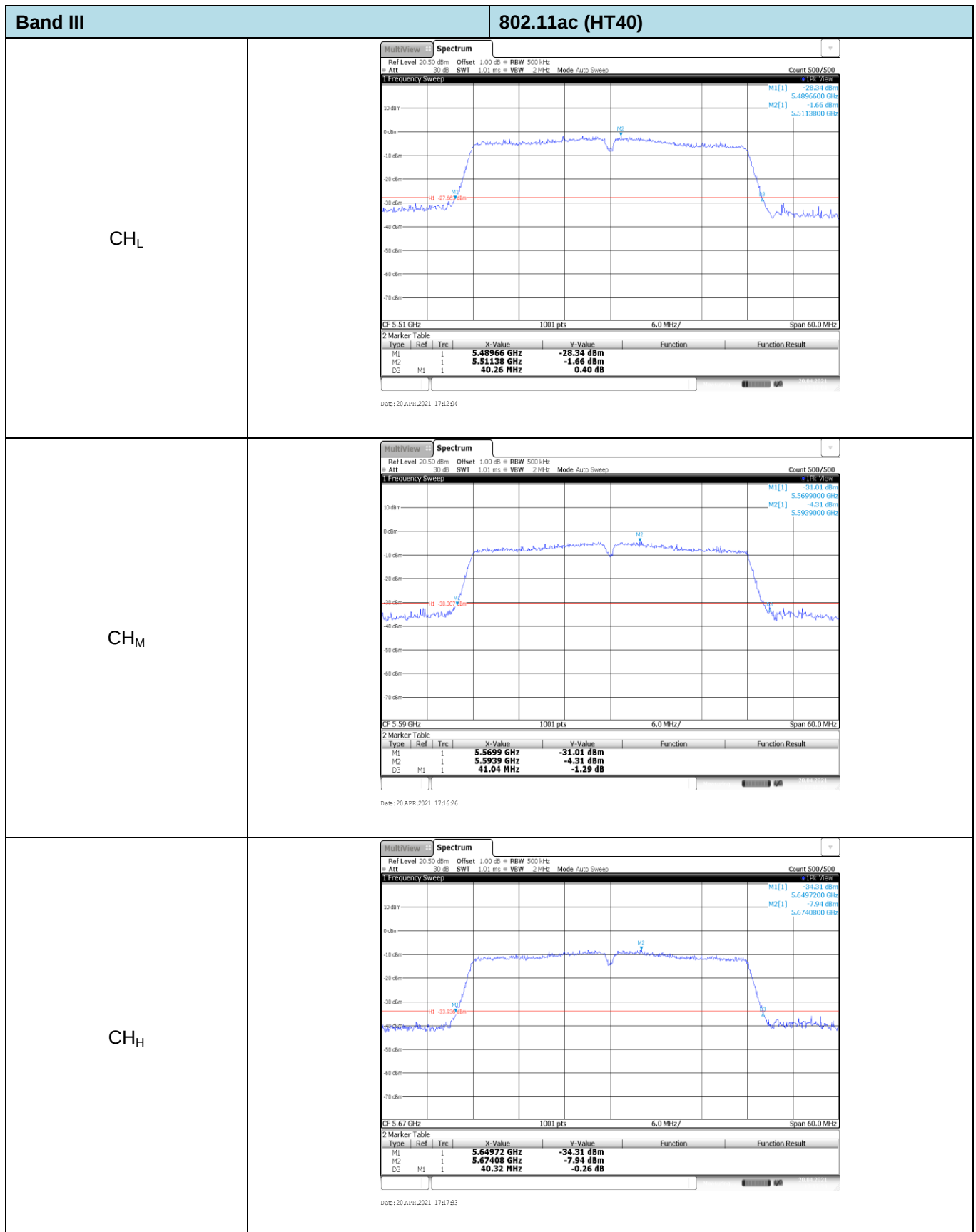


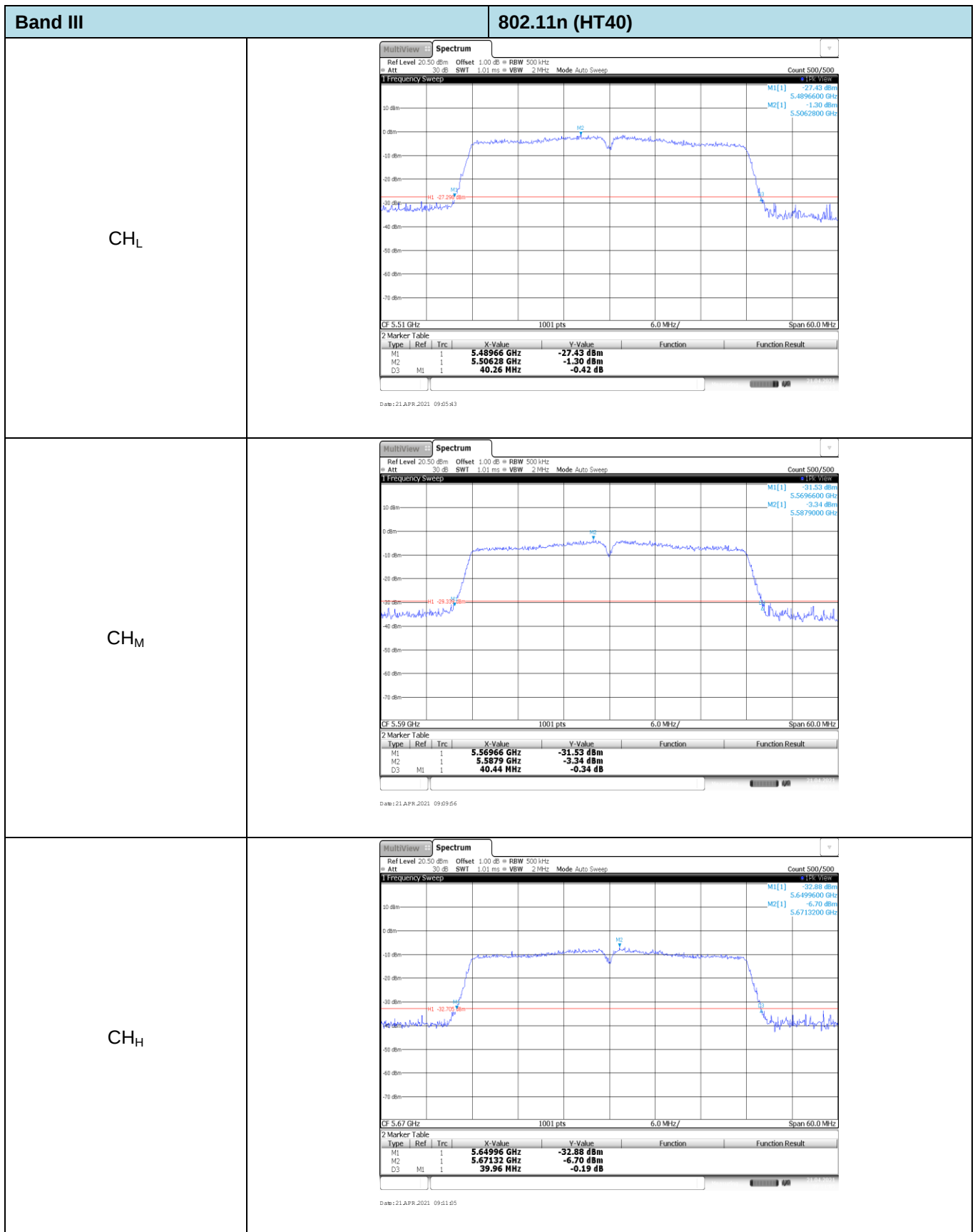


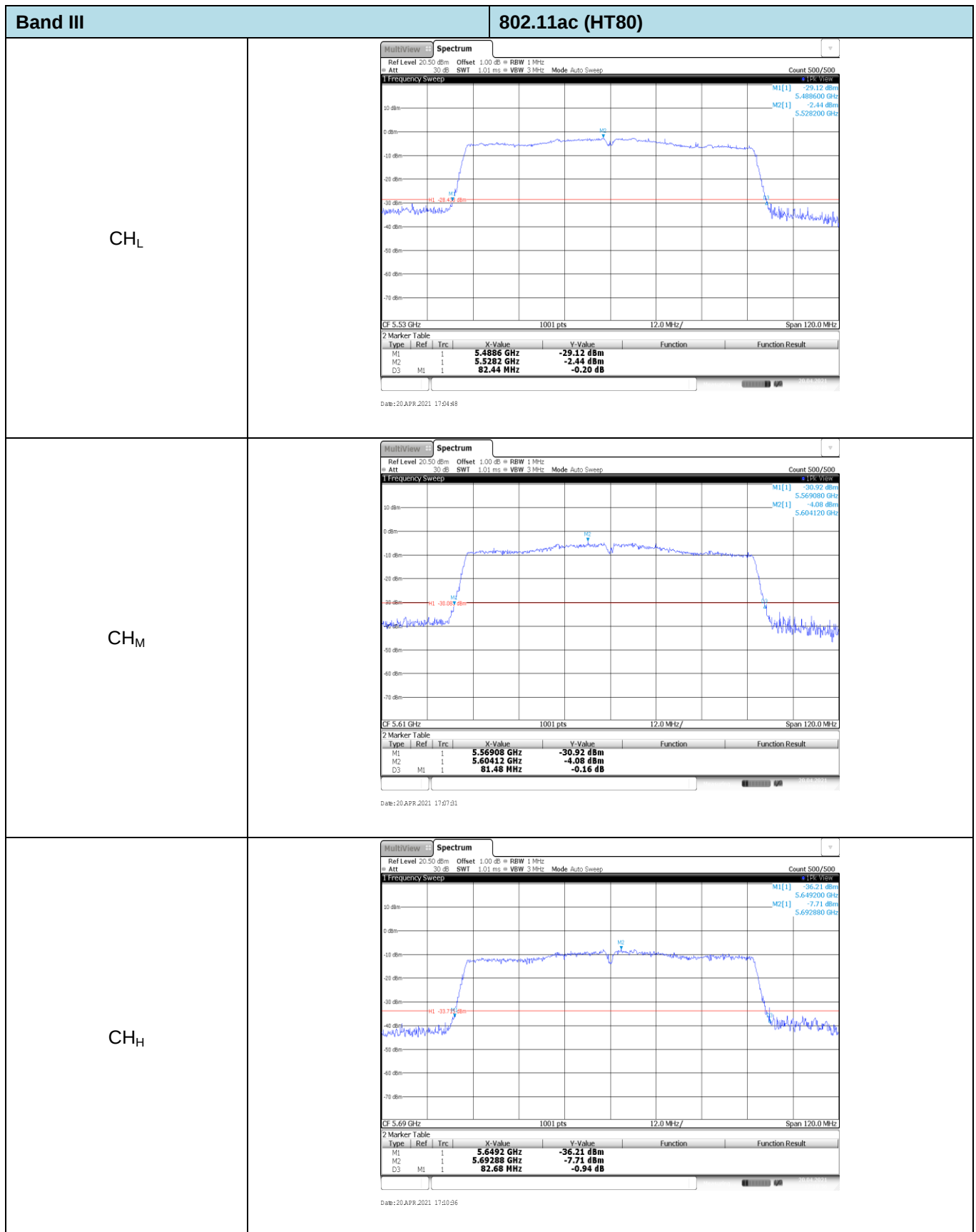












Appendix D: 99% Occupy bandwidth

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
I	20	802.11ac	CH _L	18.07	Pass
			CH _M	18.07	
			CH _H	18.07	
		802.11n	CH _L	18.10	Pass
			CH _M	18.07	
			CH _H	18.01	
		802.11a	CH _L	16.96	Pass
			CH _M	16.96	
			CH _H	16.93	
	40	802.11ac	CH _L	36.32	Pass
			CH _H	36.38	
		802.11n	CH _L	36.32	Pass
			CH _H	36.32	
	80	802.11ac	CH _M	75.76	Pass
II	20	802.11ac	CH _L	18.04	Pass
			CH _M	18.07	
			CH _H	18.01	
		802.11n	CH _L	18.07	Pass
			CH _M	18.07	
			CH _H	18.04	
		802.11a	CH _L	16.93	Pass
			CH _M	16.99	
			CH _H	16.99	
	40	802.11ac	CH _L	36.32	Pass
			CH _H	36.32	
		802.11n	CH _L	36.26	Pass
			CH _H	36.32	
	80	802.11ac	CH _M	75.41	Pass

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
III	20	802.11ac	CH _L	18.07	Pass
			CH _M	18.04	
			CH _H	18.07	
		802.11n	CH _L	18.07	Pass
			CH _M	18.07	
			CH _H	18.07	
		802.11a	CH _L	17.05	Pass
			CH _M	17.17	
			CH _H	17.02	
	40	802.11ac	CH _L	36.38	Pass
			CH _M	36.32	
			CH _H	36.38	
		802.11n	CH _L	36.38	Pass
			CH _M	36.32	
			CH _H	36.38	
	80	802.11ac	CH _L	75.64	Pass
			CH _M	75.41	
			CH _H	75.64	

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	18.07	Pass
			CH _M	18.13	
			CH _H	18.16	
		802.11n	CH _L	18.10	Pass
			CH _M	18.16	
			CH _H	18.13	
		802.11a	CH _L	17.08	Pass
			CH _M	17.08	
			CH _H	17.11	
	40	802.11ac	CH _L	36.32	Pass
			CH _H	36.44	
		802.11n	CH _L	36.38	Pass
			CH _H	36.38	
	80	802.11ac	CH _M	75.76	Pass

