

APPENDIX REPORT

Project No.	SHT2104093301EW	Radio Specification	WIFI 5G
Test sample No.	YPHT21040933013	Model No.	CT9F08
Start test date	2021-05-10	Finish date	2021-05-10
Temperature	25.2°C	Humidity	39%
Test Engineer	Hailey Chen	Auditor	Xiaodong Zhu

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	11.71	96.58	0.15	11.86	24.00	Pass
			CH _M	12.48	96.58	0.15	12.63		
			CH _H	13.33	96.48	0.16	13.49		
		802.11n	CH _L	11.04	96.55	0.15	11.19	24.00	Pass
			CH _M	11.93	96.55	0.15	12.08		
			CH _H	12.47	96.55	0.15	12.62		
		802.11a	CH _L	11.48	96.77	0.14	11.62	24.00	Pass
			CH _M	11.46	96.77	0.14	11.60		
			CH _H	13.16	96.77	0.14	13.30		
	40	802.11a _c	CH _L	12.07	93.48	0.29	12.36	24.00	Pass
			CH _H	13.12	93.57	0.29	13.41		
		802.11n	CH _L	12.16	93.53	0.29	12.45	24.00	Pass
			CH _H	13.12	93.45	0.29	13.41		
	80	802.11a _c	CH _M	12.67	87.67	0.57	13.24	24.00	Pass
II	20	802.11a _c	CH _L	12.70	96.58	0.15	12.85	24.00	Pass
			CH _M	12.46	96.58	0.15	12.61		
			CH _H	12.74	96.58	0.15	12.89		
		802.11n	CH _L	12.93	96.55	0.15	13.08	24.00	Pass
			CH _M	12.83	96.55	0.15	12.98		
			CH _H	12.77	96.55	0.15	12.92		
		802.11a	CH _L	12.61	96.77	0.14	12.75	24.00	Pass
			CH _M	12.69	96.68	0.15	12.84		
			CH _H	12.56	96.77	0.14	12.70		
	40	802.11a _c	CH _L	12.75	93.48	0.29	13.04	24.00	Pass
			CH _H	12.84	93.57	0.29	13.13		
		802.11n	CH _L	12.78	93.45	0.29	13.07	24.00	Pass
			CH _H	12.71	93.53	0.29	13.00		
	80	802.11a _c	CH _M	12.64	87.52	0.58	13.22	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	13.36	96.58	0.15	13.51	24.00	Pass
			CH _M	11.27	96.58	0.15	11.42		
			CH _H	9.44	96.48	0.16	9.60		
		802.11n	CH _L	13.65	96.55	0.15	13.80	24.00	Pass
			CH _M	11.64	96.55	0.15	11.79		
			CH _H	9.35	96.55	0.15	9.50		
		802.11a	CH _L	13.40	96.77	0.14	13.54	24.00	Pass
			CH _M	11.32	96.77	0.14	11.46		
			CH _H	10.58	96.77	0.14	10.72		
	40	802.11ac	CH _L	12.72	93.48	0.29	13.01	24.00	Pass
			CH _M	11.08	93.48	0.29	11.37		
			CH _H	8.85	93.48	0.29	9.14		
		802.11n	CH _L	12.89	93.45	0.29	13.18	24.00	Pass
			CH _M	11.09	93.53	0.29	11.38		
			CH _H	8.92	93.45	0.29	9.21		
	80	802.11ac	CH _L	12.14	87.52	0.58	12.72	24.00	Pass
			CH _M	10.72	87.69	0.57	11.29		
			CH _H	9.10	87.69	0.57	9.67		
IV	20	802.11ac	CH _L	12.62	96.58	0.15	12.77	30.00	Pass
			CH _M	12.34	96.58	0.15	12.49		
			CH _H	12.63	96.48	0.16	12.79		
		802.11n	CH _L	12.59	96.55	0.15	12.74	30.00	Pass
			CH _M	12.46	96.55	0.15	12.61		
			CH _H	12.62	96.55	0.15	12.77		
		802.11a	CH _L	12.72	96.77	0.14	12.86	30.00	Pass
			CH _M	12.35	96.68	0.15	12.50		
			CH _H	12.86	96.77	0.14	13.00		
	40	802.11ac	CH _L	12.62	93.48	0.29	12.91	30.00	Pass
			CH _H	12.44	93.48	0.29	12.73		
		802.11n	CH _L	12.59	93.44	0.29	12.88	30.00	Pass
			CH _H	12.50	93.53	0.29	12.79		
	80	802.11ac	CH _M	11.76	87.69	0.57	12.33	30.00	Pass

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

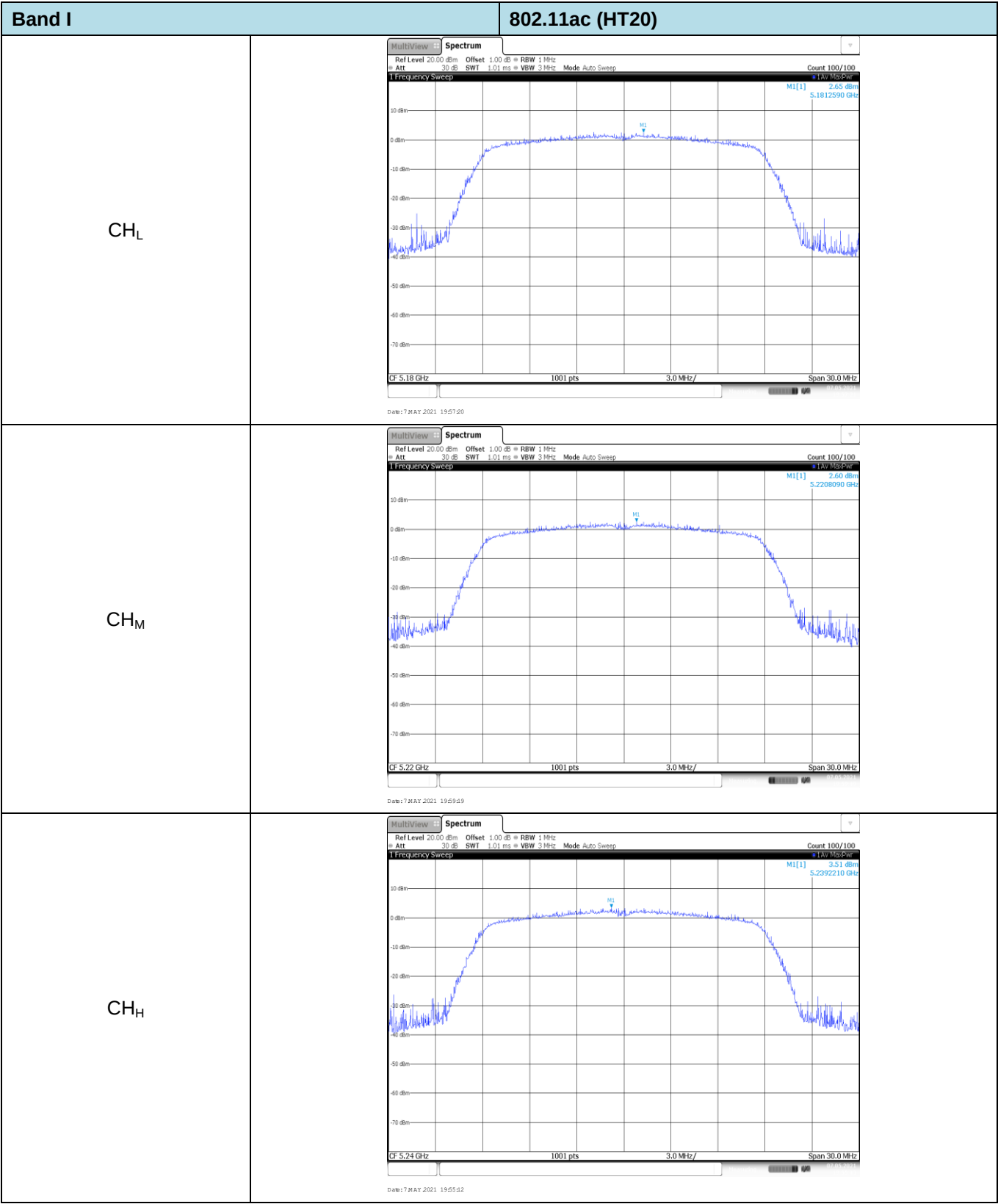
Appendix B: Maximum Power Spectral Density

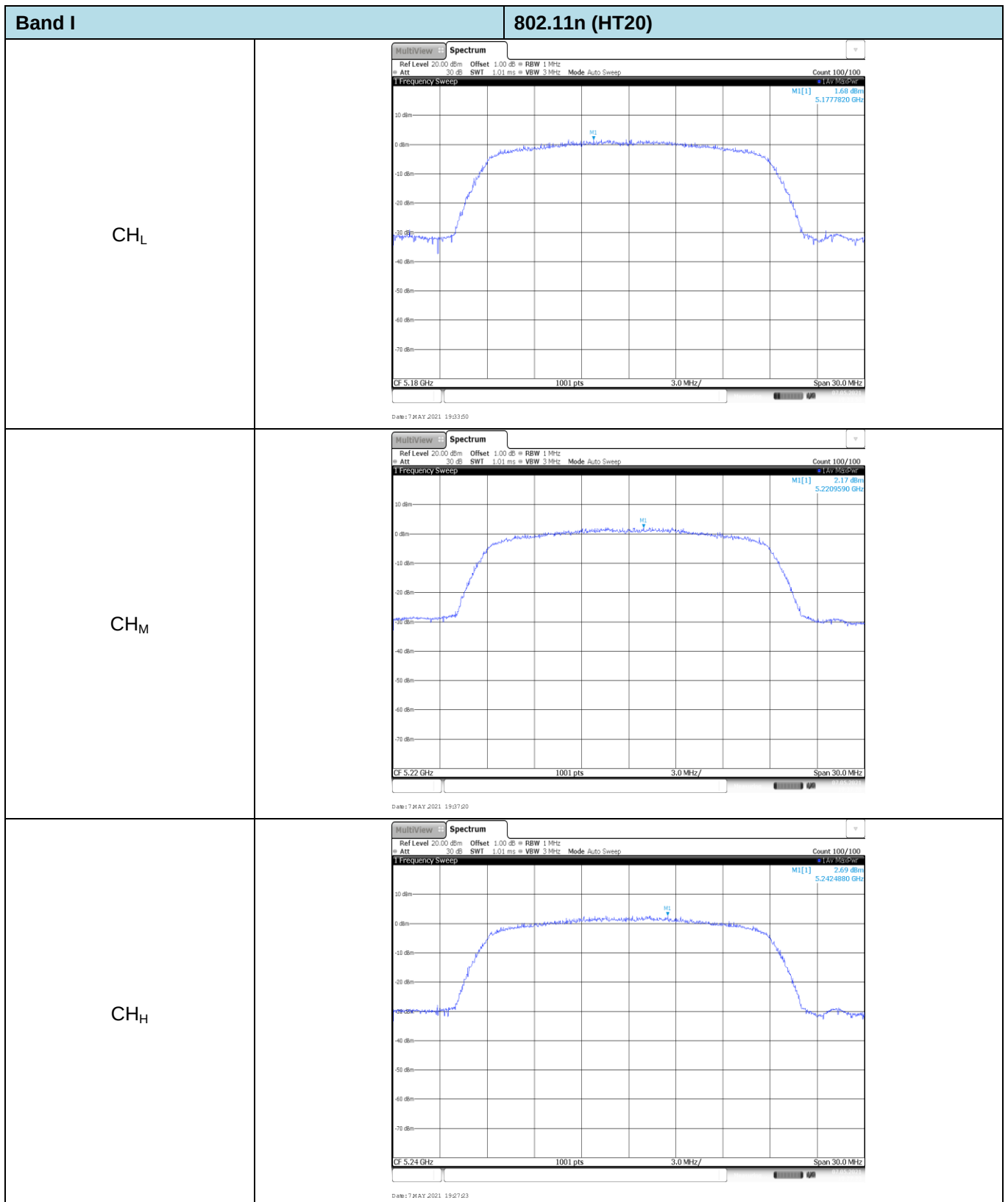
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
I	20	802.11 ac	CH _L	2.65	96.58	0.15	2.80	11.00	Pass
			CH _M	2.60	96.58	0.15	2.75		
			CH _H	3.51	96.48	0.16	3.67		
		802.11 n	CH _L	1.68	96.55	0.15	1.83	11.00	Pass
			CH _M	2.17	96.55	0.15	2.32		
			CH _H	2.69	96.55	0.15	2.84		
		802.11 a	CH _L	2.42	96.77	0.14	2.56	11.00	Pass
			CH _M	1.73	96.77	0.14	1.87		
			CH _H	3.45	96.77	0.14	3.59		
	40	802.11 ac	CH _L	-0.34	93.48	0.29	-0.05	11.00	Pass
			CH _H	0.53	93.57	0.29	0.82		
		802.11 n	CH _L	0.21	93.53	0.29	0.50	11.00	Pass
			CH _H	0.69	93.45	0.29	0.98		
	80	802.11 ac	CH _M	-2.49	87.67	0.57	-1.92	11.00	Pass

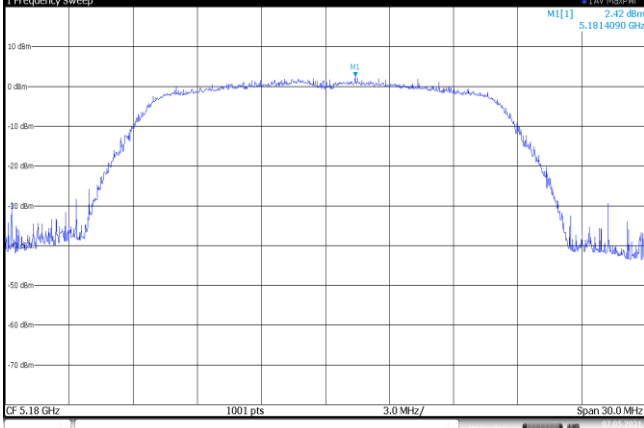
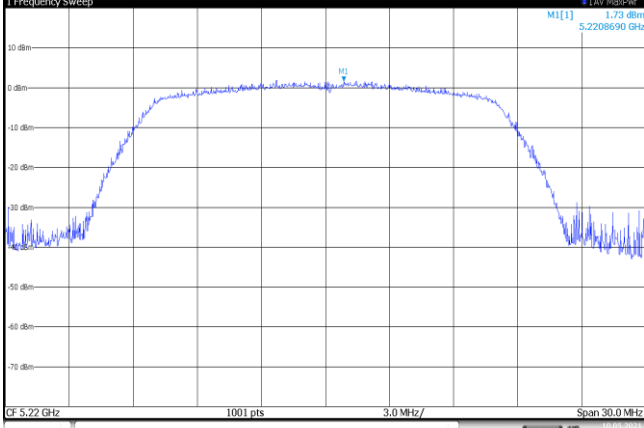
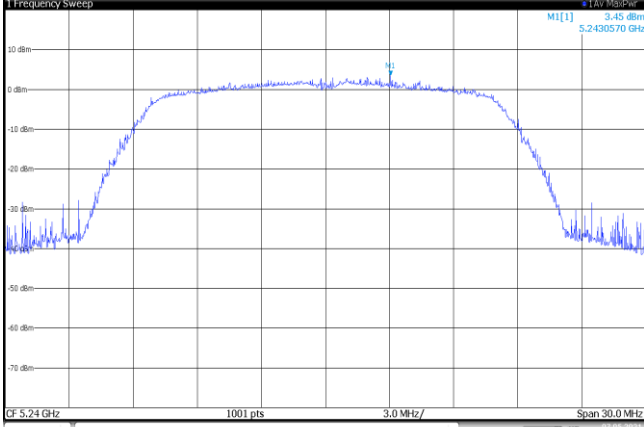
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
II	20	802.11 ac	CH _L	2.99	96.58	0.15	3.14	11.00	Pass
			CH _M	3.15	96.58	0.15	3.30		
			CH _H	3.51	96.58	0.15	3.66		
		802.11 n	CH _L	4.04	96.55	0.15	4.19	11.00	Pass
			CH _M	4.36	96.55	0.15	4.51		
			CH _H	3.57	96.55	0.15	3.72		
		802.11 a	CH _L	3.03	96.77	0.14	3.17	11.00	Pass
			CH _M	3.47	96.68	0.15	3.62		
			CH _H	3.29	96.77	0.14	3.43		
	40	802.11 ac	CH _L	0.17	93.48	0.29	0.46	11.00	Pass
			CH _H	0.40	93.57	0.29	0.69		
		802.11 n	CH _L	0.68	93.45	0.29	0.97	11.00	Pass
			CH _H	0.63	93.53	0.29	0.92		
	80	802.11 ac	CH _M	-2.41	87.69	0.57	-1.84	11.00	Pass

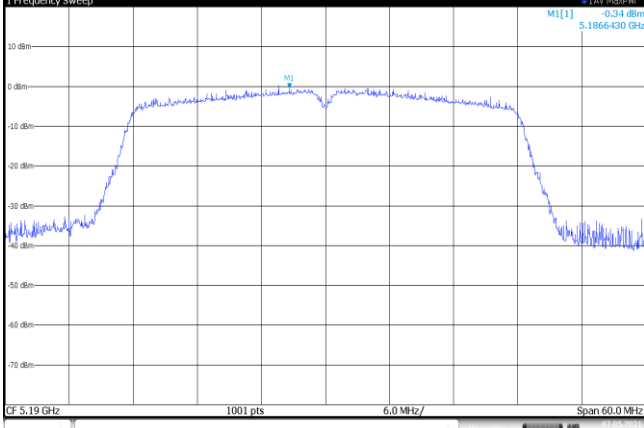
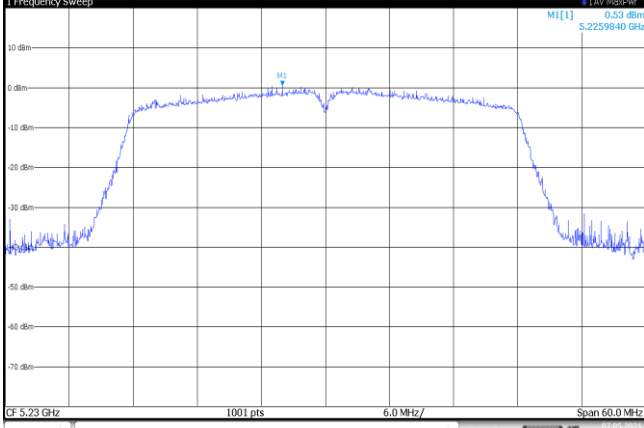
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
III	20	802.11 ac	CH _L	5.32	96.58	0.15	5.47	11.00	Pass
			CH _M	1.64	96.58	0.15	1.79		
			CH _H	-1.25	96.48	0.16	-1.09		
		802.11 n	CH _L	4.76	96.55	0.15	4.91	11.00	Pass
			CH _M	2.08	96.55	0.15	2.23		
			CH _H	-1.04	96.55	0.15	-0.89		
		802.11 a	CH _L	4.49	96.77	0.14	4.63	11.00	Pass
			CH _M	2.09	96.77	0.14	2.23		
			CH _H	-0.71	96.77	0.14	-0.57		
	40	802.11 ac	CH _L	0.46	93.48	0.29	0.75	11.00	Pass
			CH _M	-1.36	93.48	0.29	-1.07		
			CH _H	-4.15	93.48	0.29	-3.86		
		802.11 n	CH _L	1.56	93.45	0.29	1.85	11.00	Pass
			CH _M	-1.40	93.53	0.29	-1.11		
			CH _H	-3.70	93.45	0.29	-3.41		
	80	802.11 ac	CH _L	-3.18	87.52	0.58	-2.60	11.00	Pass
			CH _M	-3.96	87.69	0.57	-3.39		
			CH _H	-6.80	87.69	0.57	-6.23		
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/500 kHz)	Limit (dBm/500K Hz)	Result
IV	20	802.11 ac	CH _L	1.31	96.58	0.15	1.46	30.00	Pass
			CH _M	1.49	96.58	0.15	1.64		
			CH _H	0.45	96.48	0.16	0.61		
		802.11 n	CH _L	1.97	96.55	0.15	2.12	30.00	Pass
			CH _M	1.39	96.55	0.15	1.54		
			CH _H	0.86	96.55	0.15	1.01		
		802.11 a	CH _L	2.08	96.77	0.14	2.22	30.00	Pass
			CH _M	1.44	96.68	0.15	1.59		
			CH _H	0.99	96.77	0.14	1.13		
	40	802.11 ac	CH _L	-0.97	93.48	0.29	-0.68	30.00	Pass
			CH _H	-2.10	93.48	0.29	-1.81		
		802.11 n	CH _L	-1.04	93.44	0.29	-0.75	30.00	Pass
			CH _H	-1.54	93.53	0.29	-1.25		
	80	802.11 ac	CH _M	-5.68	87.69	0.57	-5.11	30.00	Pass

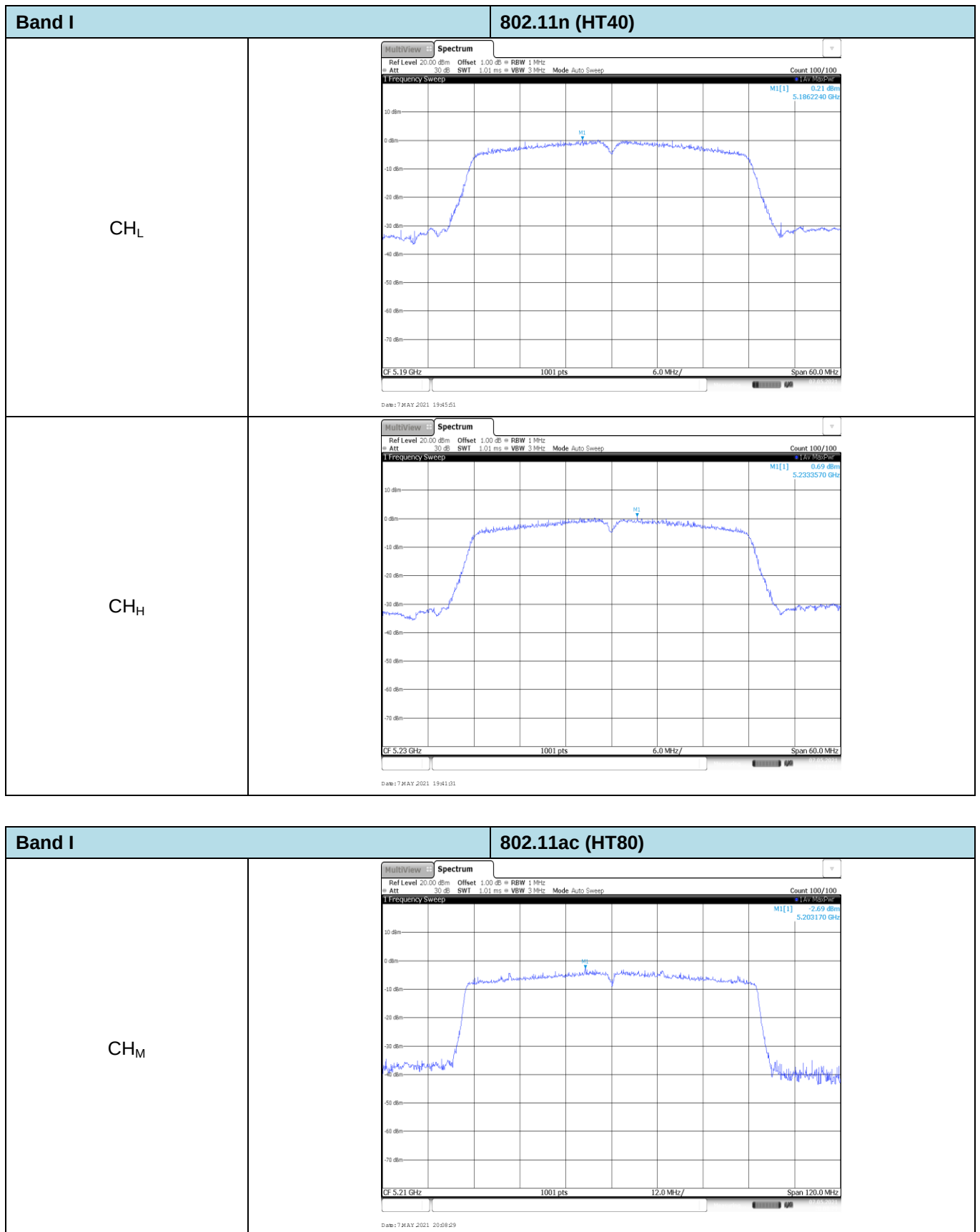
Test plot as follows:

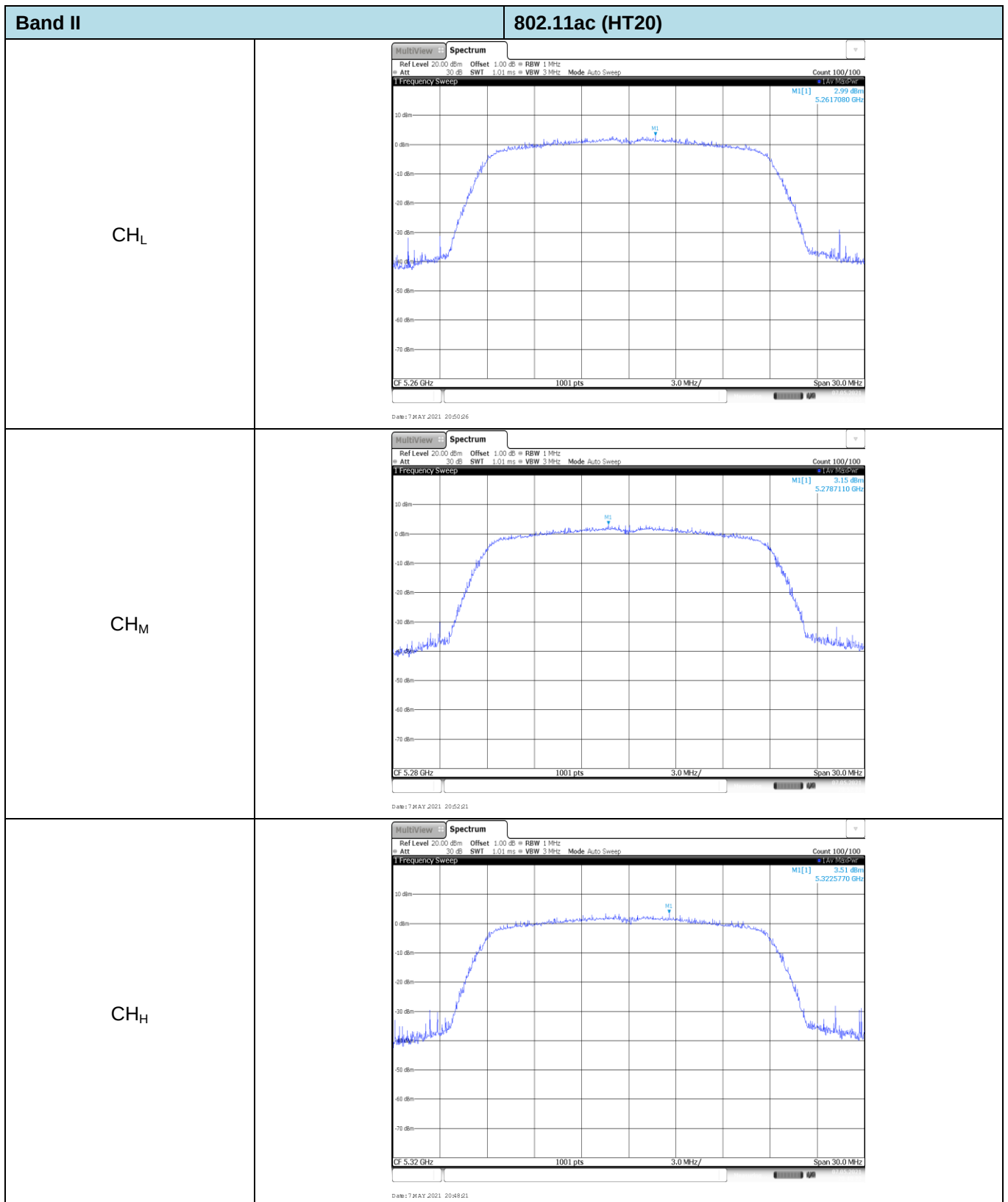


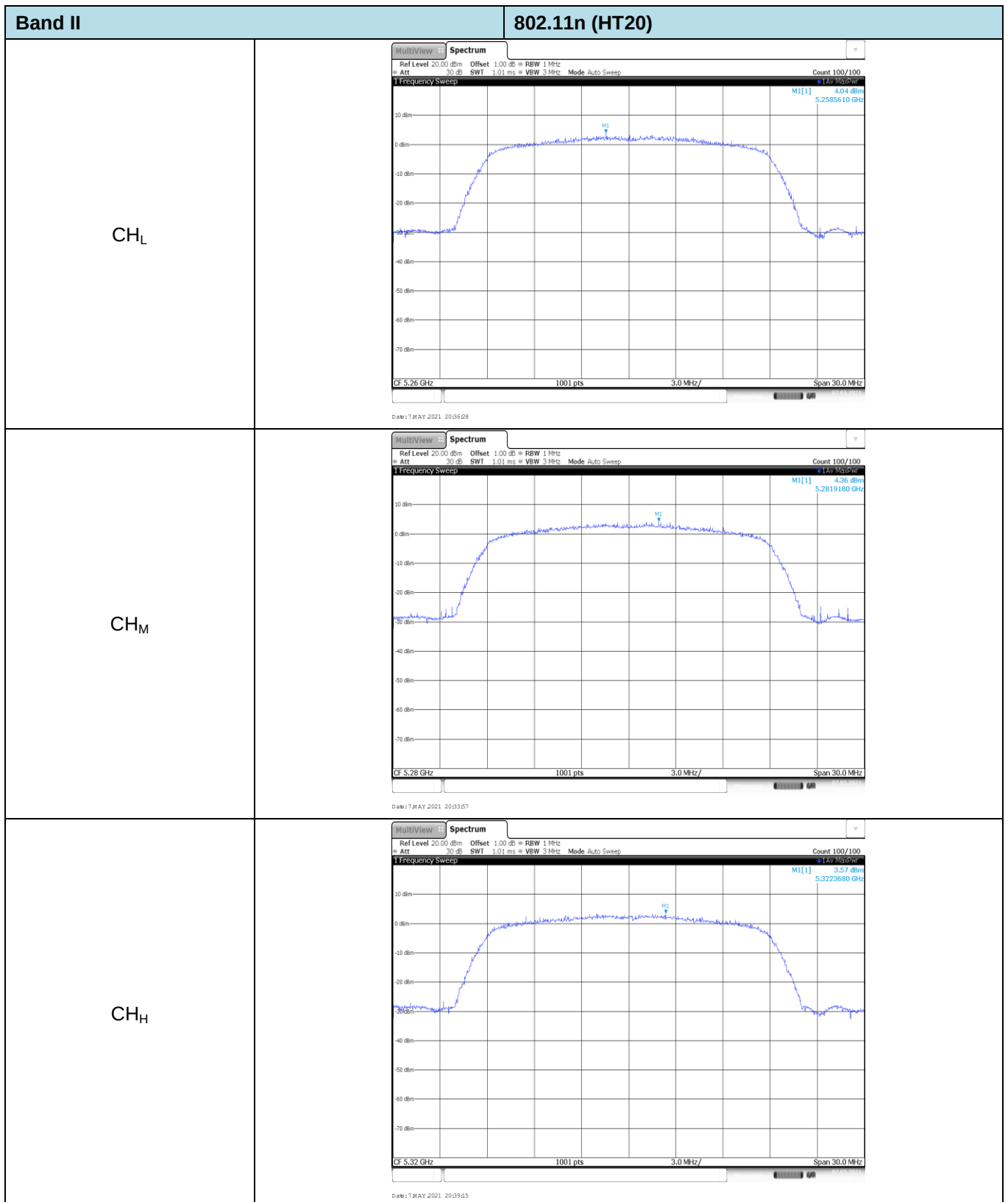


Band I		802.11a
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz Mode Auto Sweep Count 100/100 1 TAT M5SPW Frequency Sweep M1[1] 2.42 dBm 5.1814090 GHz  CF 5.18 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 7 MAY 2021 19:18:28	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz Mode Auto Sweep Count 100/100 1 TAT M5SPW Frequency Sweep M1[1] 1.73 dBm 5.2208690 GHz  CF 5.22 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 10 MAY 2021 13:11:19	
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 1 TAT M5SPW Frequency Sweep M1[1] 3.45 dBm 5.2430570 GHz  CF 5.24 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 7 MAY 2021 19:15:26	

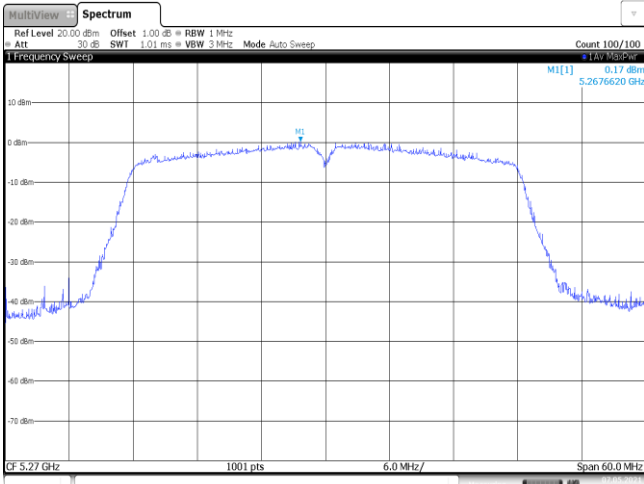
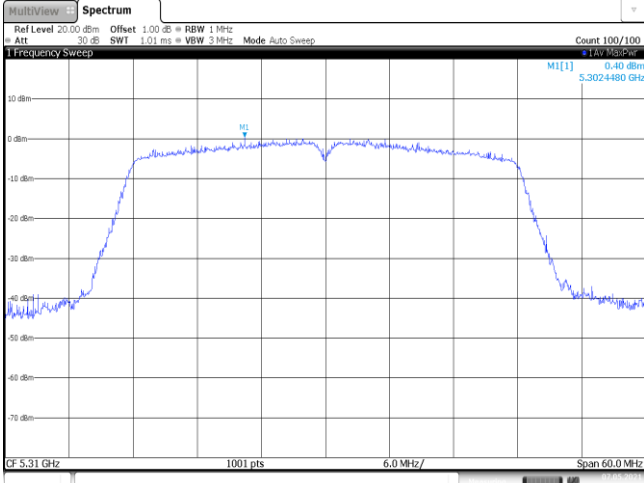
Band I		802.11ac (HT40)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.00 Offset 1.00 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MU[1] -0.34 dBm 5.1866430 GHz  CF 5.19 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 7 MAY 2021 20:05:07	
CH _H	MultiView Spectrum 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 Frequency Sweep MU[1] 0.53 dBm 5.2259840 GHz  CF 5.23 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 7 MAY 2021 20:02:28	

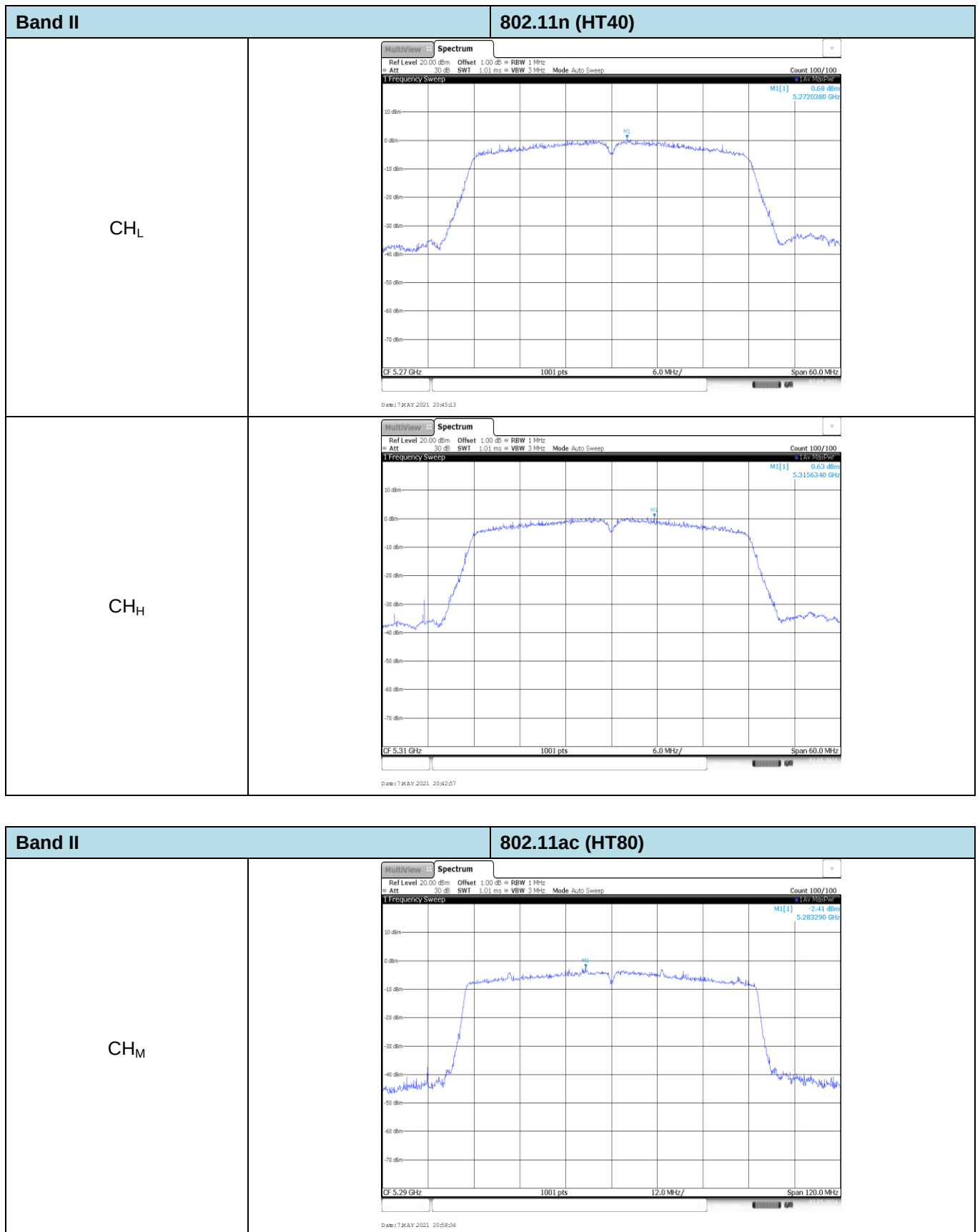


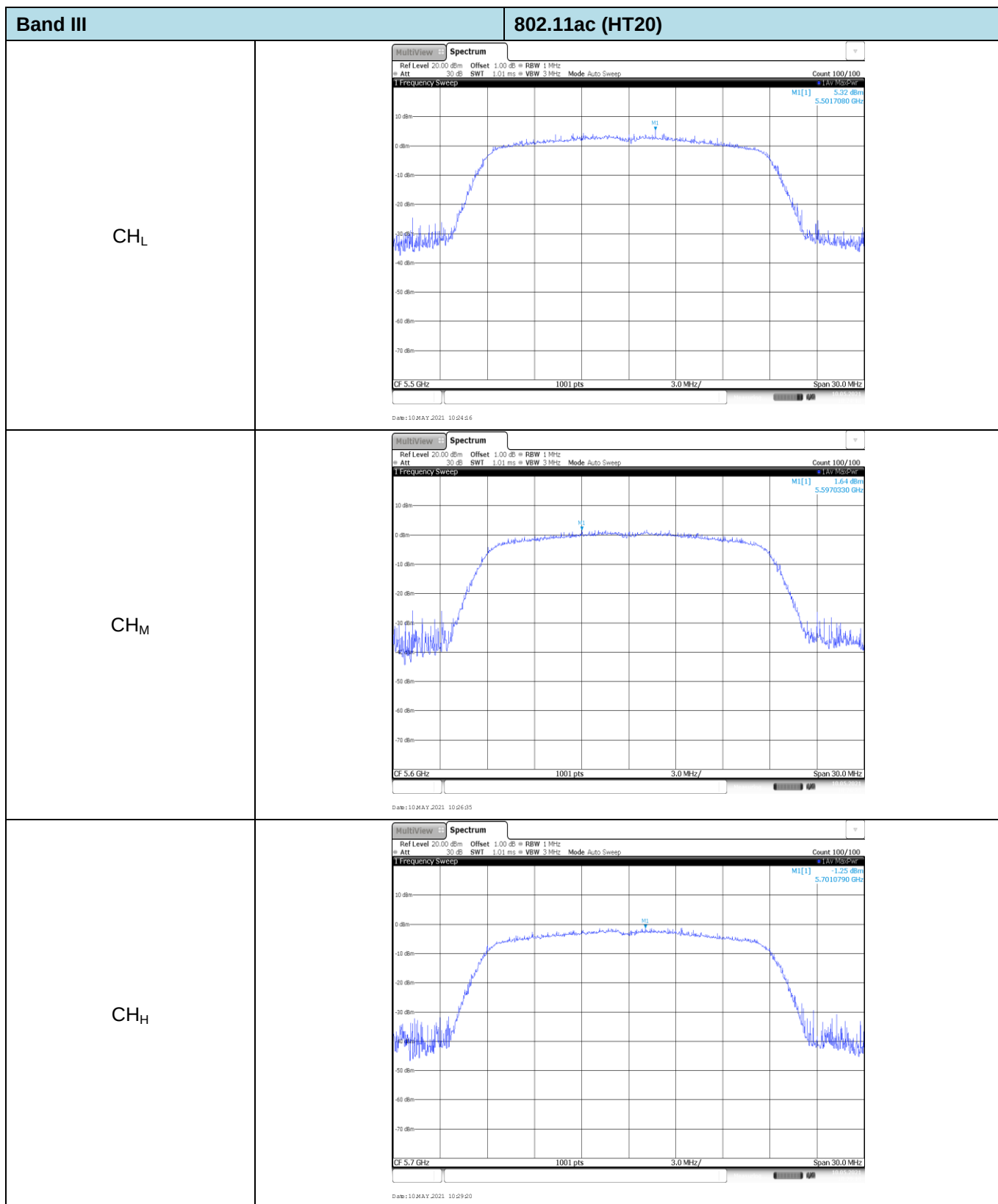


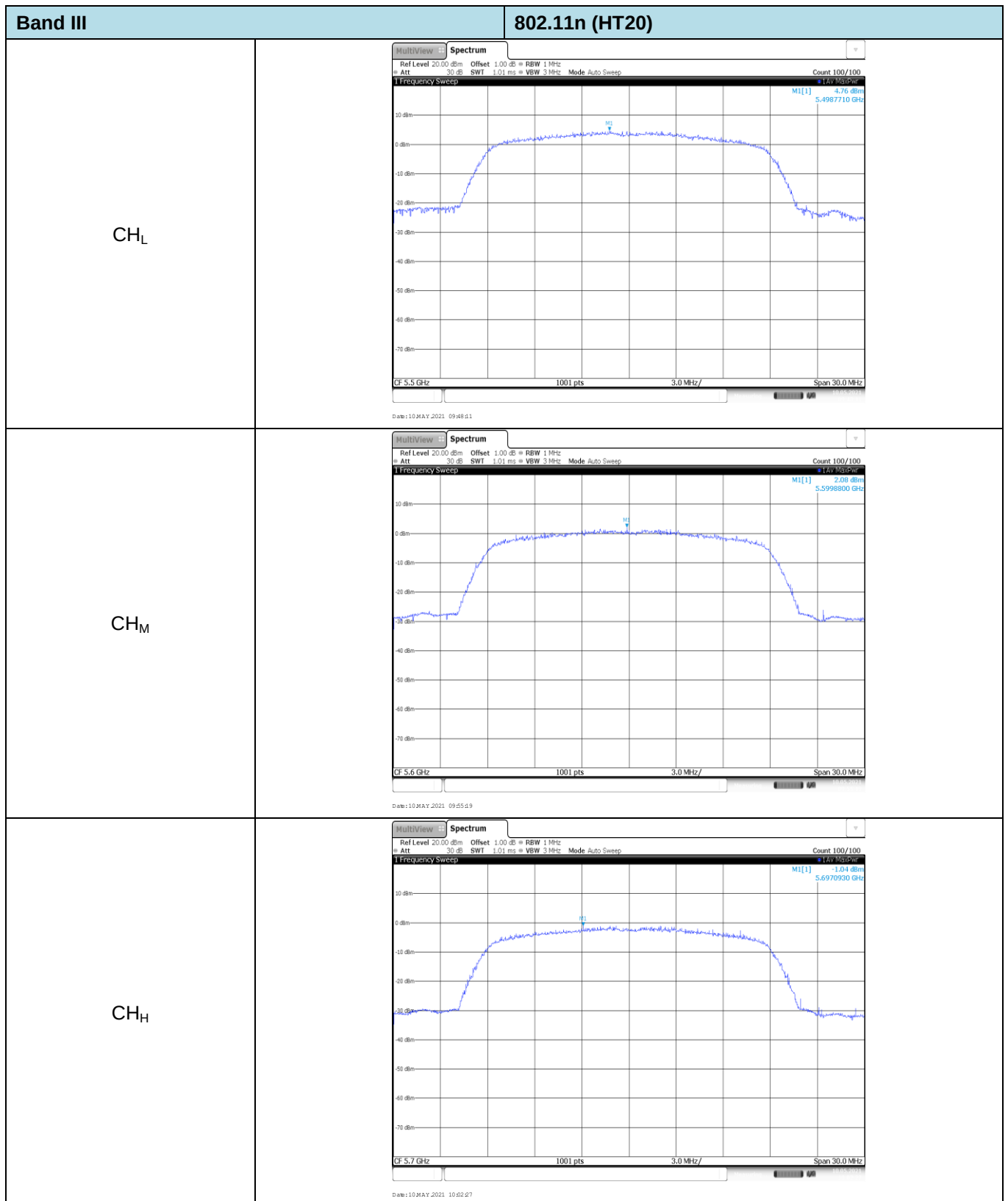


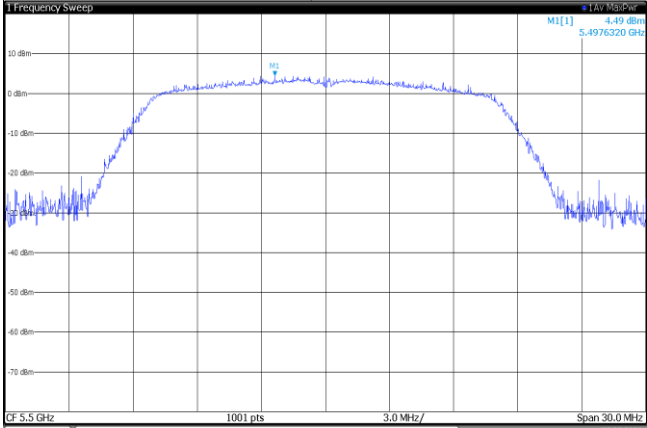
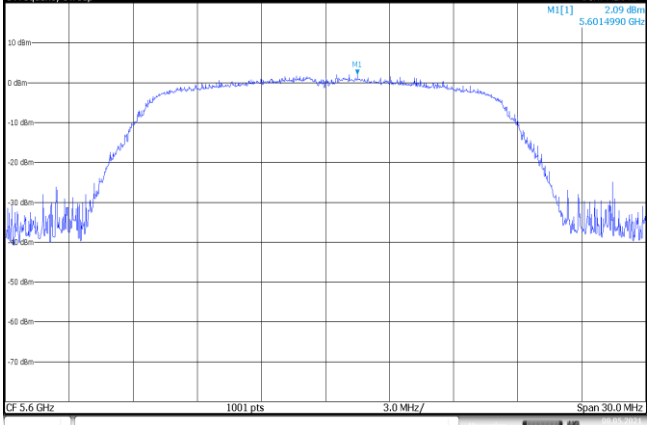
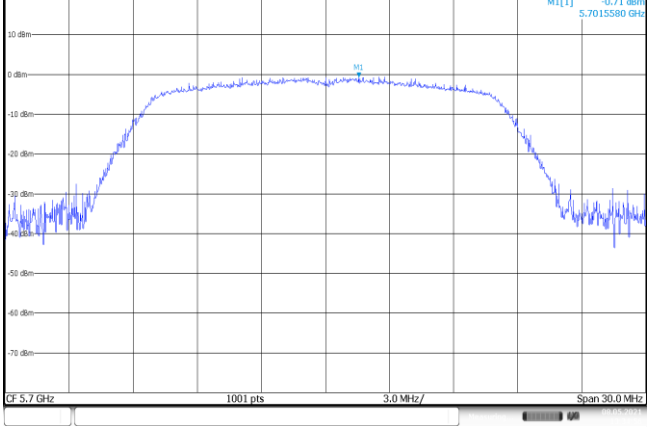
Band II		802.11a
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz Mode Auto Sweep Count 100/100 STAT MSOPW 1 Frequency Sweep M1 3.03 dBm 5.2582920 GHz CF 5.26 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 7 MAY 2021 20:28:45	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz Mode Auto Sweep Count 100/100 STAT MSOPW 1 Frequency Sweep M1 3.47 dBm 5.2787710 GHz CF 5.28 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 7 MAY 2021 20:26:07	
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 MSOPW 1 Frequency Sweep M1 3.29 dBm 5.3226670 GHz CF 5.32 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 7 MAY 2021 20:20:11	

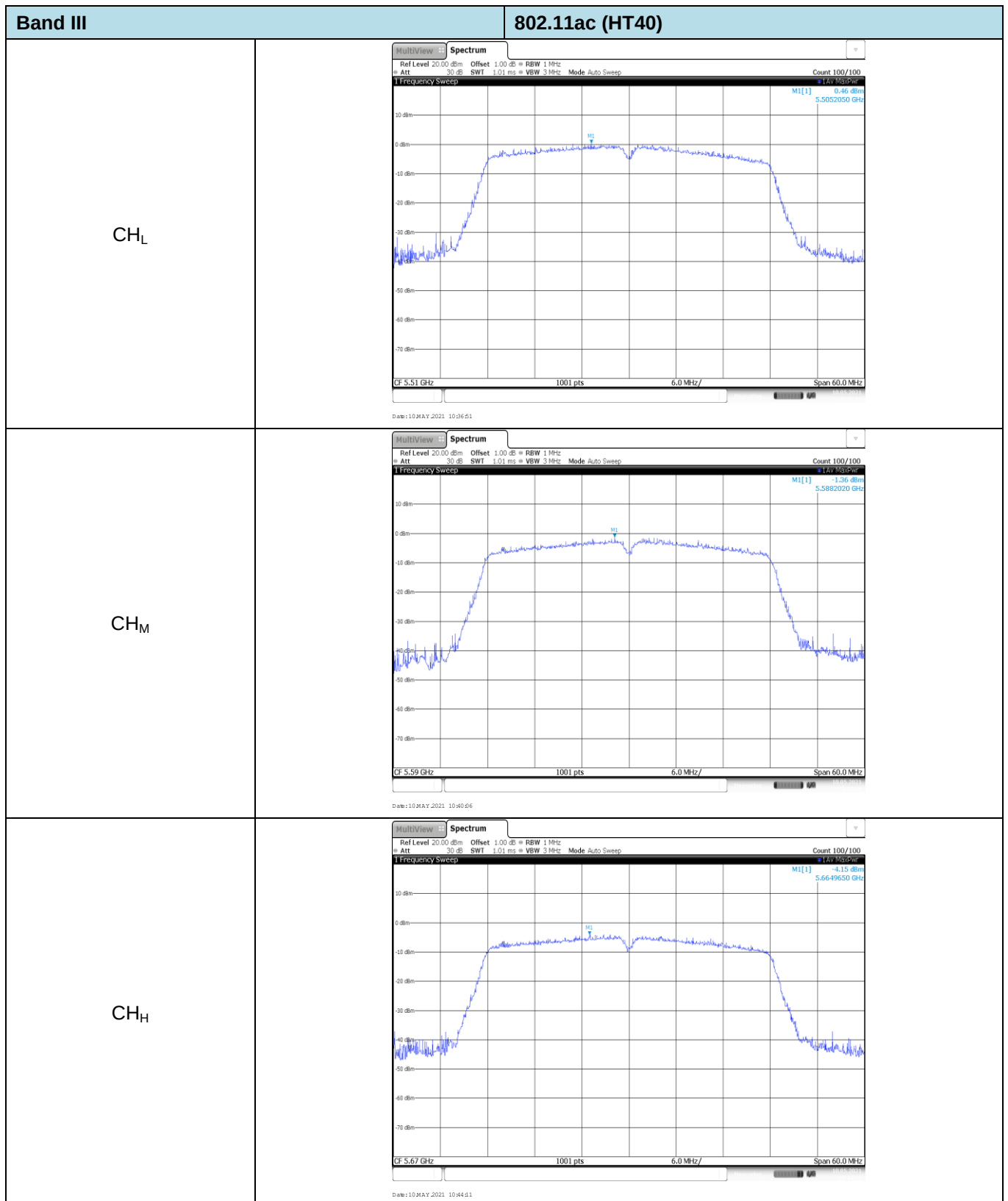
Band II		802.11ac (HT40)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 1 MHz = Att 30 dB SWI 1.01 ms = VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MU[1] 0.17 dBm 5.2676620 GHz  CF 5.27 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 7 MAY 2021 20:56:25	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 1 MHz = Att 30 dB SWI 1.01 ms = VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MU[1] 0.40 dBm 5.3024480 GHz  CF 5.31 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 7 MAY 2021 20:54:29	

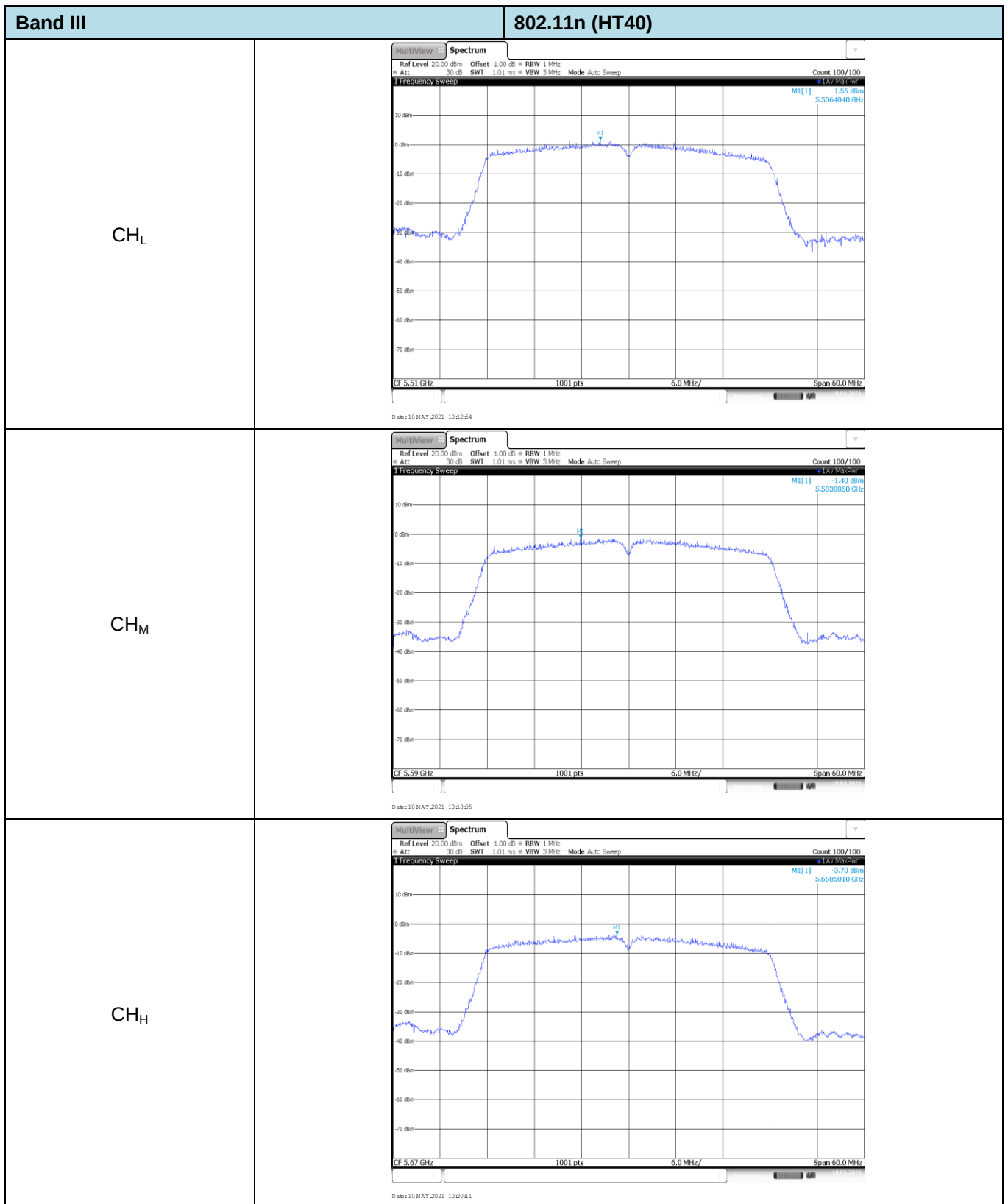


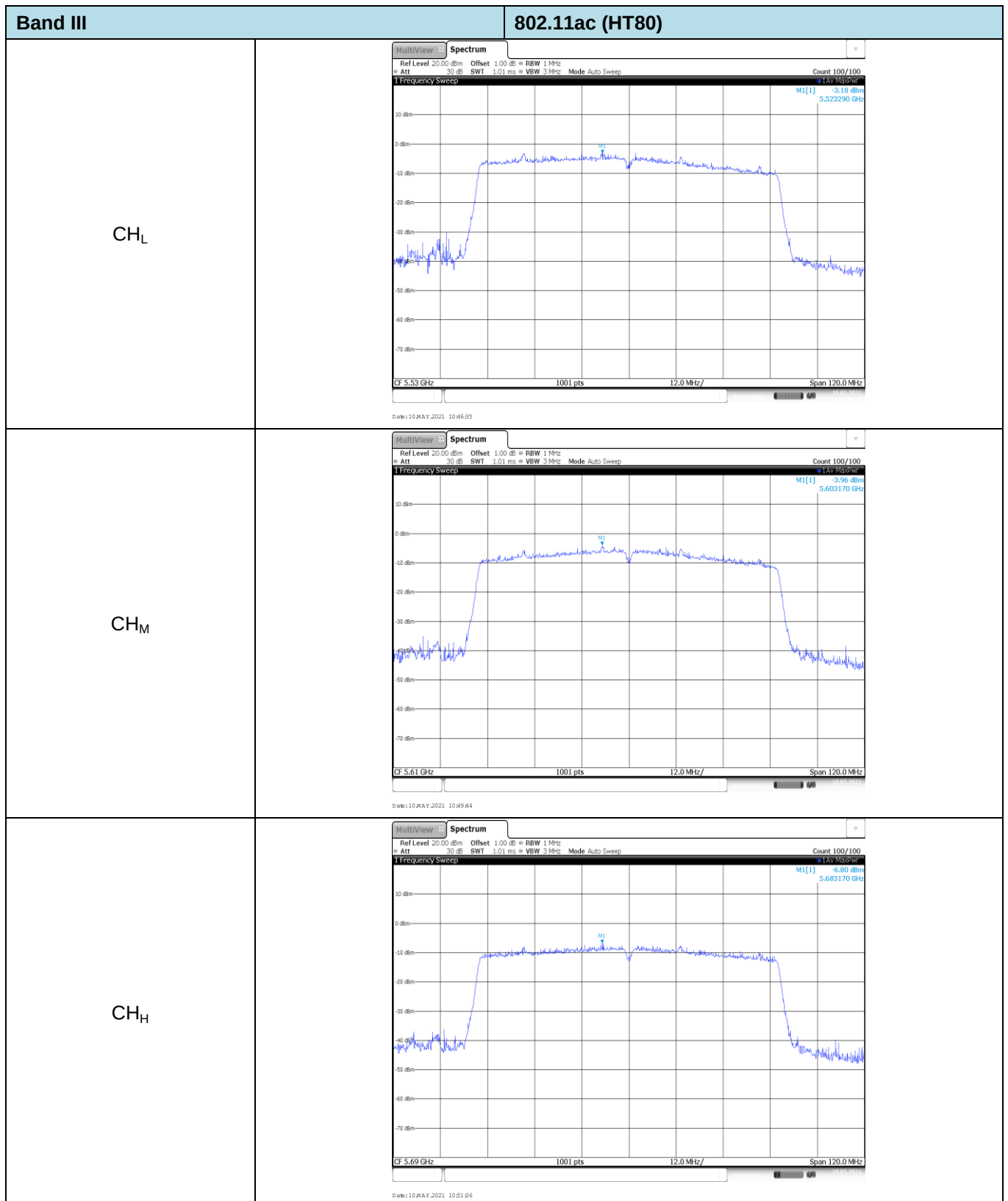


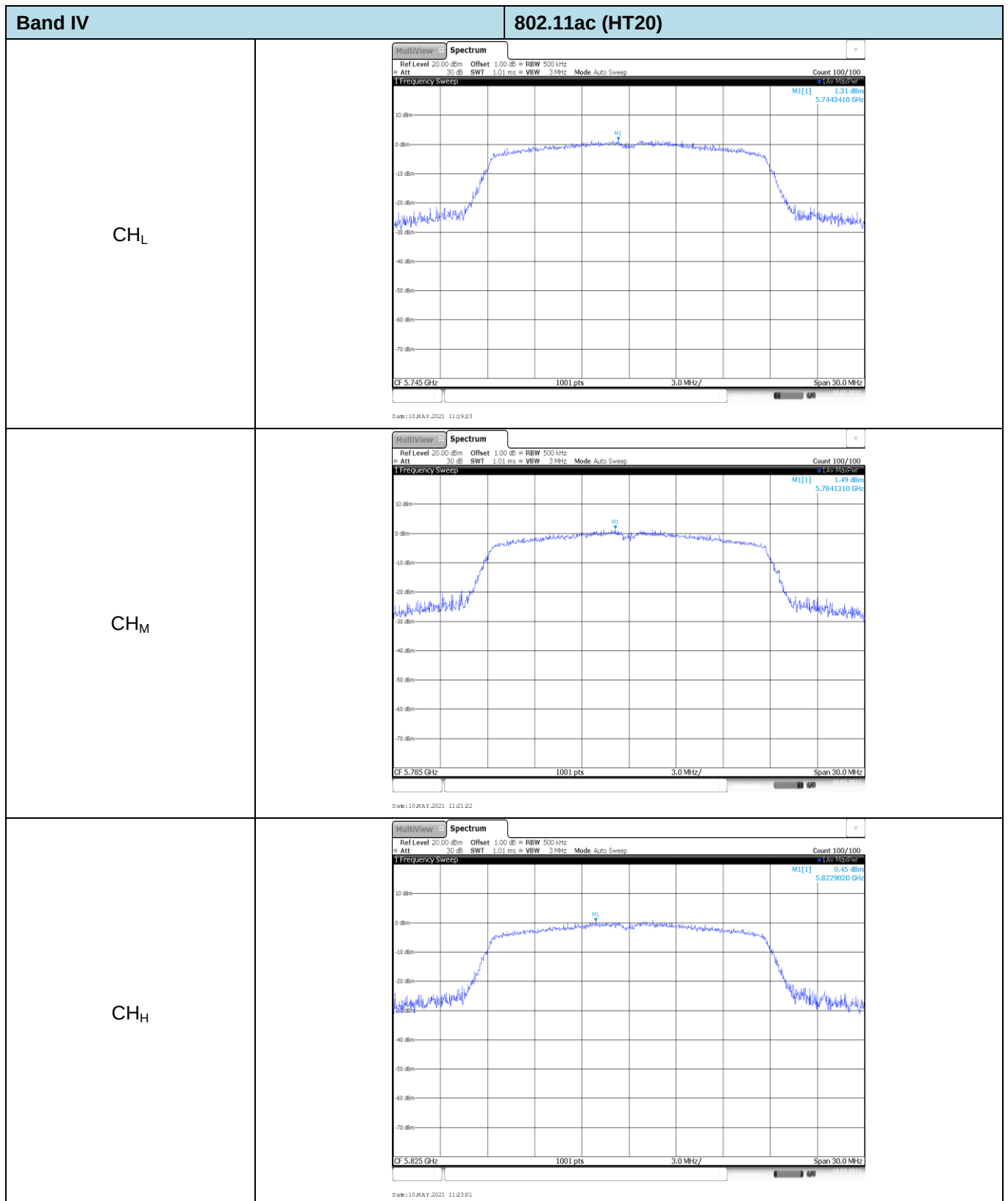


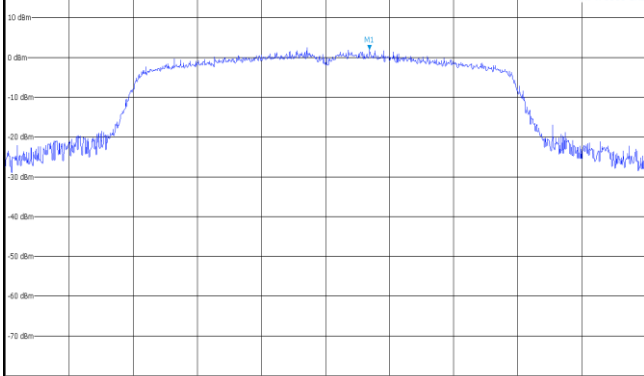
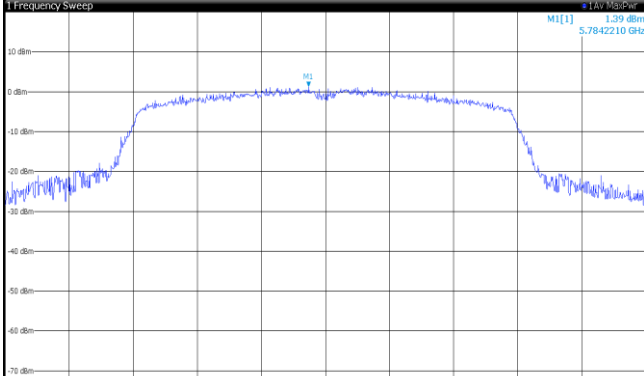
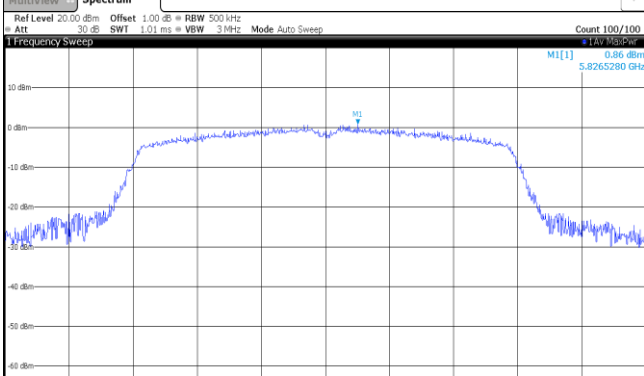
Band III		802.11a
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT M5SPW 1 Frequency Sweep MU[1] 4.49 dBm 5.4976320 GHz  CF 5.5 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 8 MAY 2021 13:28:26	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT M5SPW 1 Frequency Sweep MU[1] 2.09 dBm 5.6014990 GHz  CF 5.6 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 8 MAY 2021 13:25:27	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.00 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT M5SPW 1 Frequency Sweep MU[1] -0.71 dBm 5.7015580 GHz  CF 5.7 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 8 MAY 2021 13:24:56	

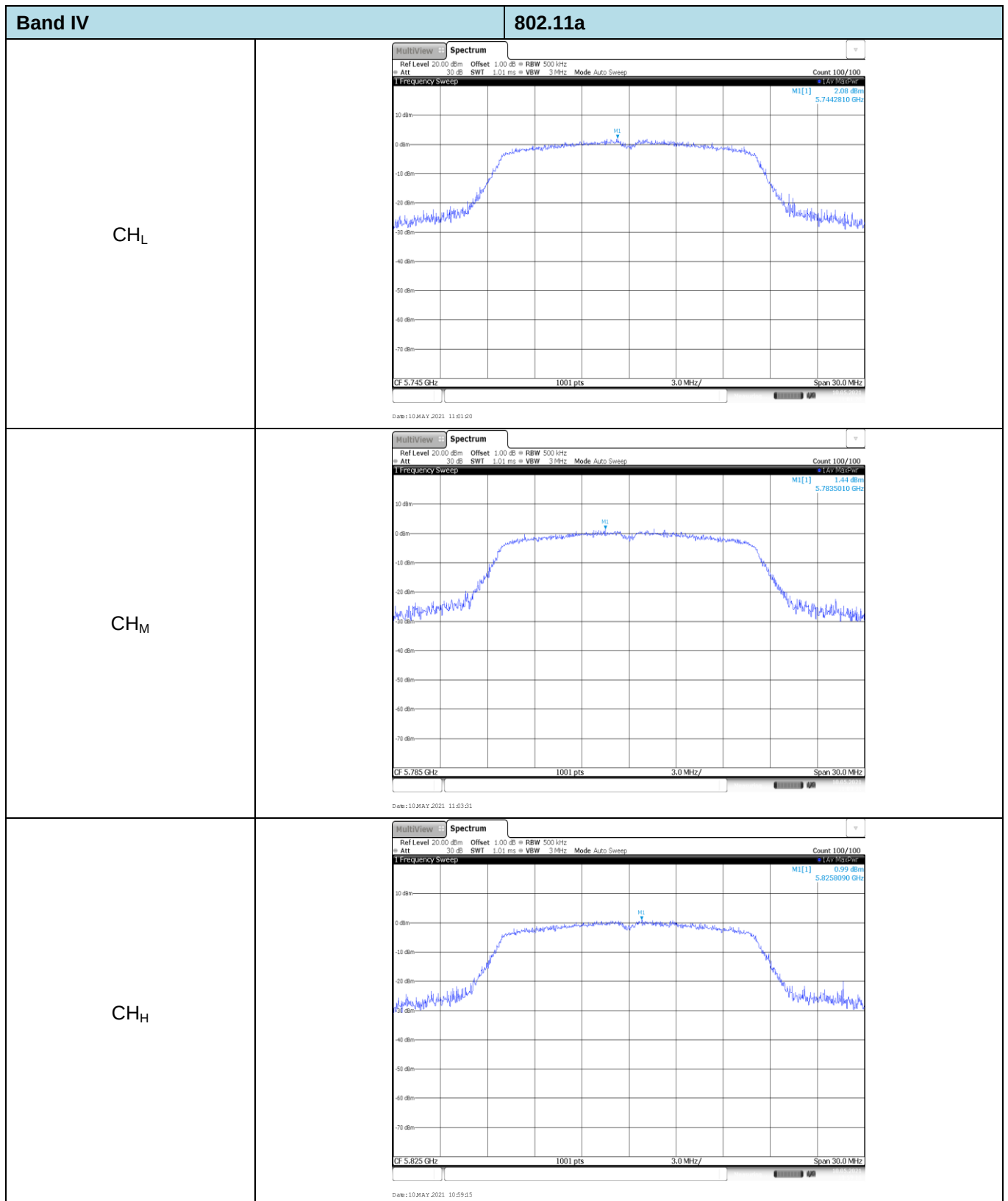


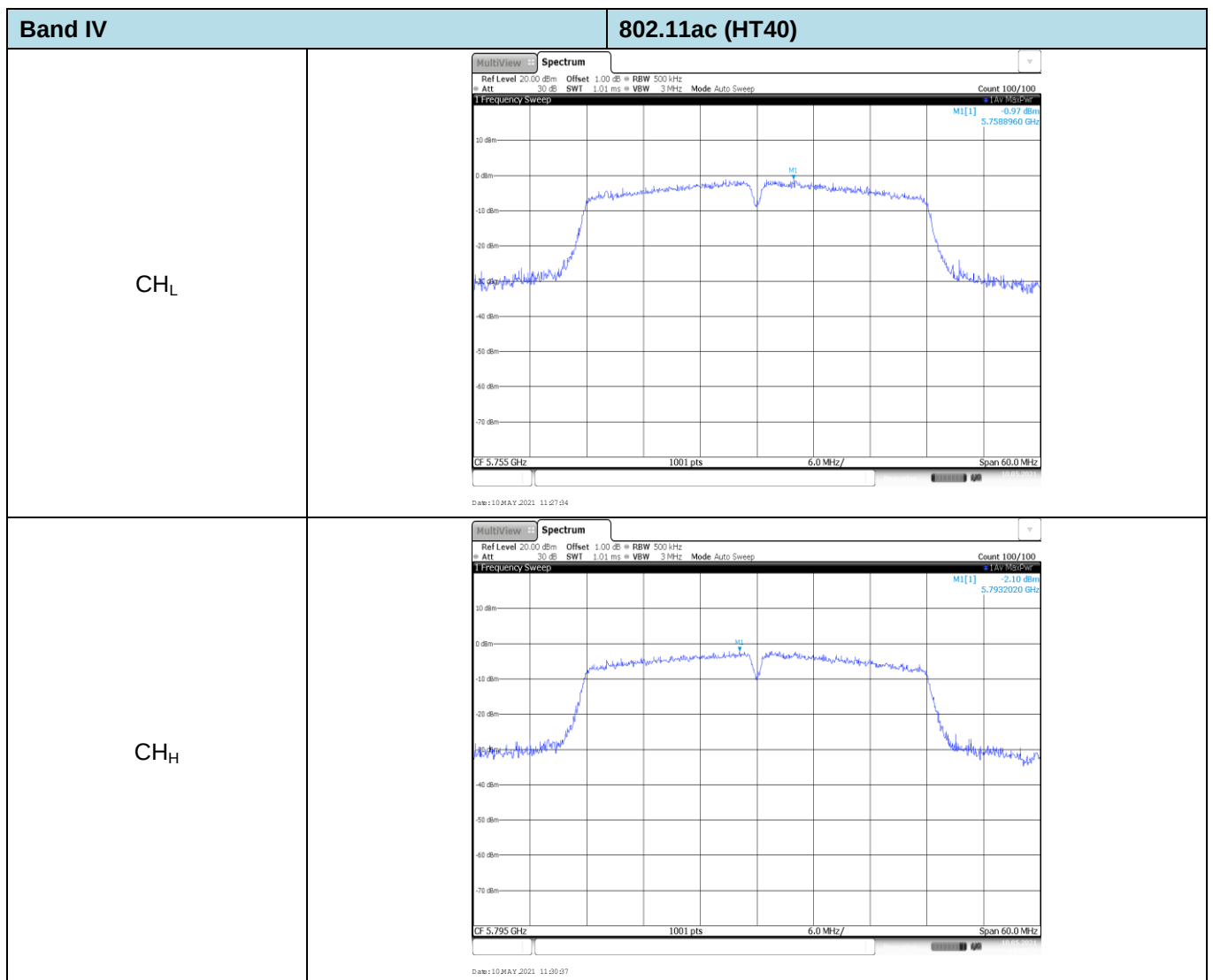


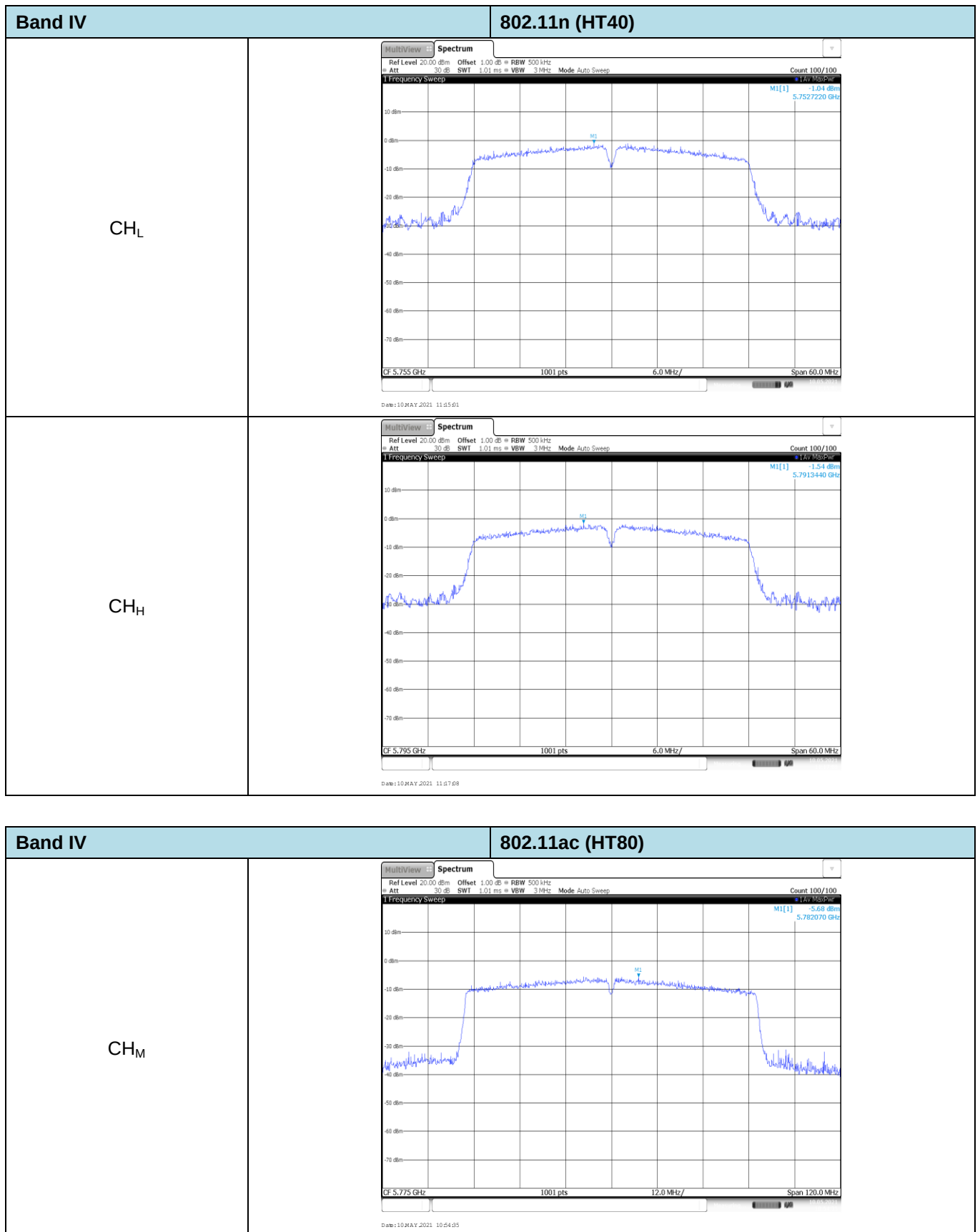




Band IV		802.11n (HT20)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT MSPW Frequency Sweep M1[1] 1.39 dBm 5.7470680 GHz  CF 5.745 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 10 MAY 2021 11:07:54	
CH _M	MultiView 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 MSPW Frequency Sweep M1[1] 1.39 dBm 5.7842210 GHz  CF 5.785 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 10 MAY 2021 11:11:01	
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 MSPW Frequency Sweep M1[1] 0.86 dBm 5.8265280 GHz  CF 5.825 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 10 MAY 2021 11:12:09	



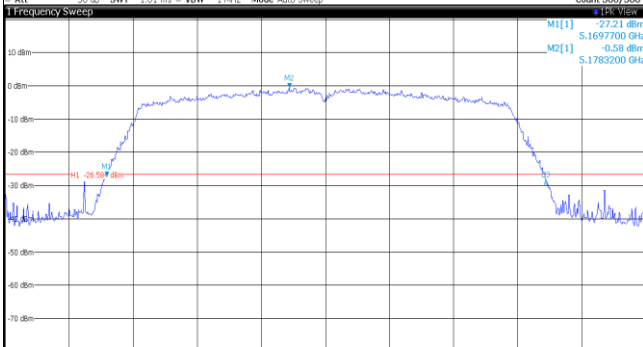


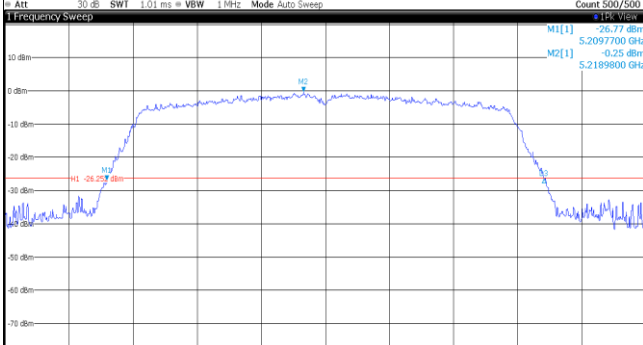


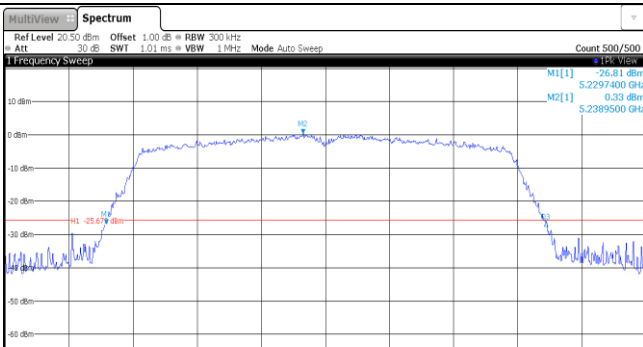
Appendix C: 26dB bandwidth

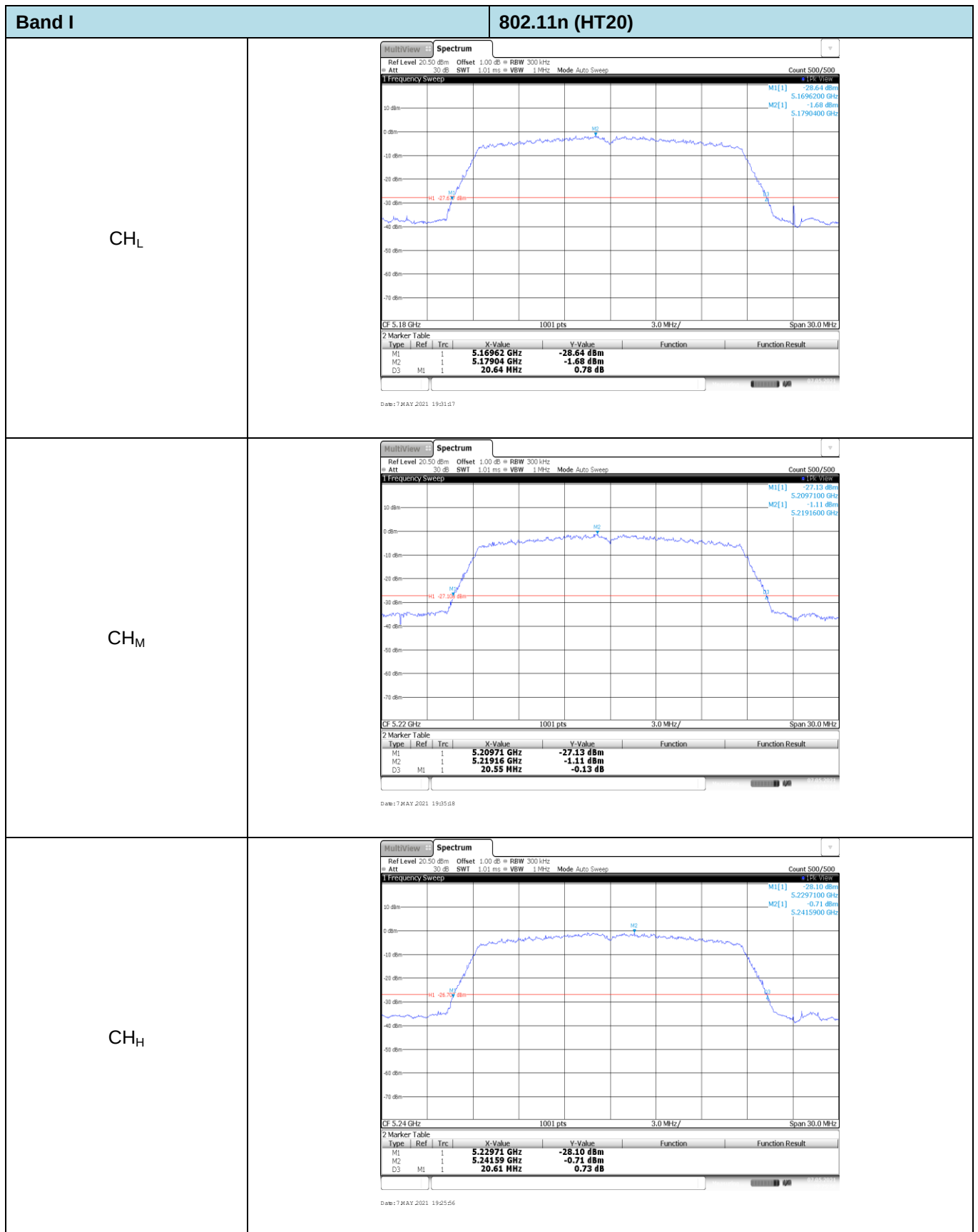
Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
I	20	802.11ac	CH _L	20.55	Pass
			CH _M	20.46	
			CH _H	20.58	
		802.11n	CH _L	20.64	Pass
			CH _M	20.55	
			CH _H	20.61	
		802.11a	CH _L	20.19	Pass
			CH _M	20.19	
			CH _H	20.10	
	40	802.11ac	CH _L	41.40	Pass
			CH _H	40.86	
		802.11n	CH _L	41.16	Pass
			CH _H	41.10	
	80	802.11ac	CH _M	81.60	Pass
II	20	802.11ac	CH _L	20.52	Pass
			CH _M	20.58	
			CH _H	20.64	
		802.11n	CH _L	20.49	Pass
			CH _M	20.58	
			CH _H	20.61	
		802.11a	CH _L	20.25	Pass
			CH _M	20.31	
			CH _H	20.31	
	40	802.11ac	CH _L	40.80	Pass
			CH _H	40.62	
		802.11n	CH _L	40.98	Pass
			CH _H	40.74	
	80	802.11ac	CH _M	81.36	Pass

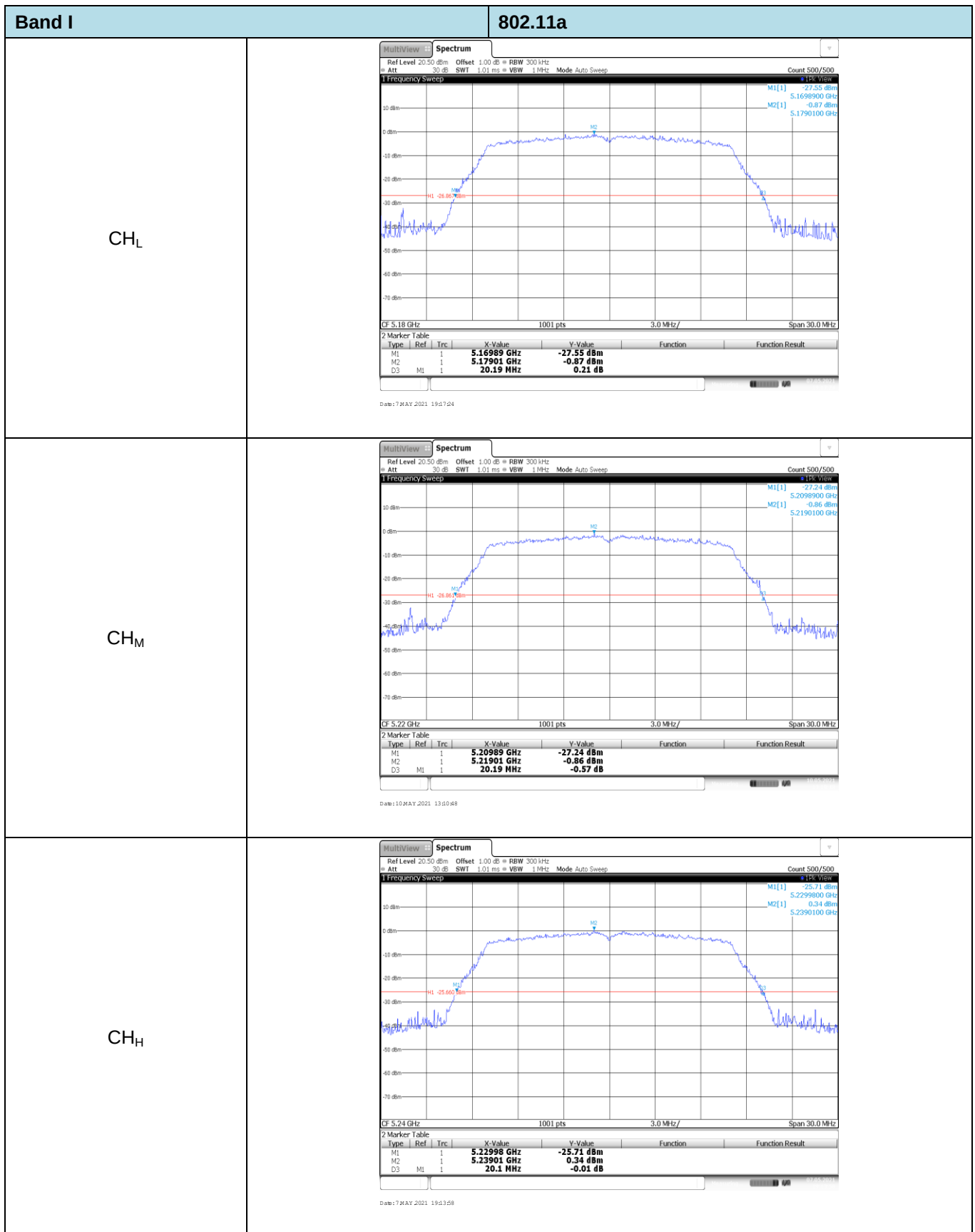
Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
III	20	802.11ac	CH _L	20.49	Pass
			CH _M	20.67	
			CH _H	20.58	
		802.11n	CH _L	20.76	Pass
			CH _M	20.76	
			CH _H	20.82	
		802.11a	CH _L	20.37	Pass
			CH _M	20.25	
			CH _H	20.31	
	40	802.11ac	CH _L	41.22	Pass
			CH _M	40.62	
			CH _H	41.04	
		802.11n	CH _L	40.98	Pass
			CH _M	41.16	
			CH _H	41.16	
	80	802.11ac	CH _L	81.48	Pass
			CH _M	81.24	
			CH _H	81.60	

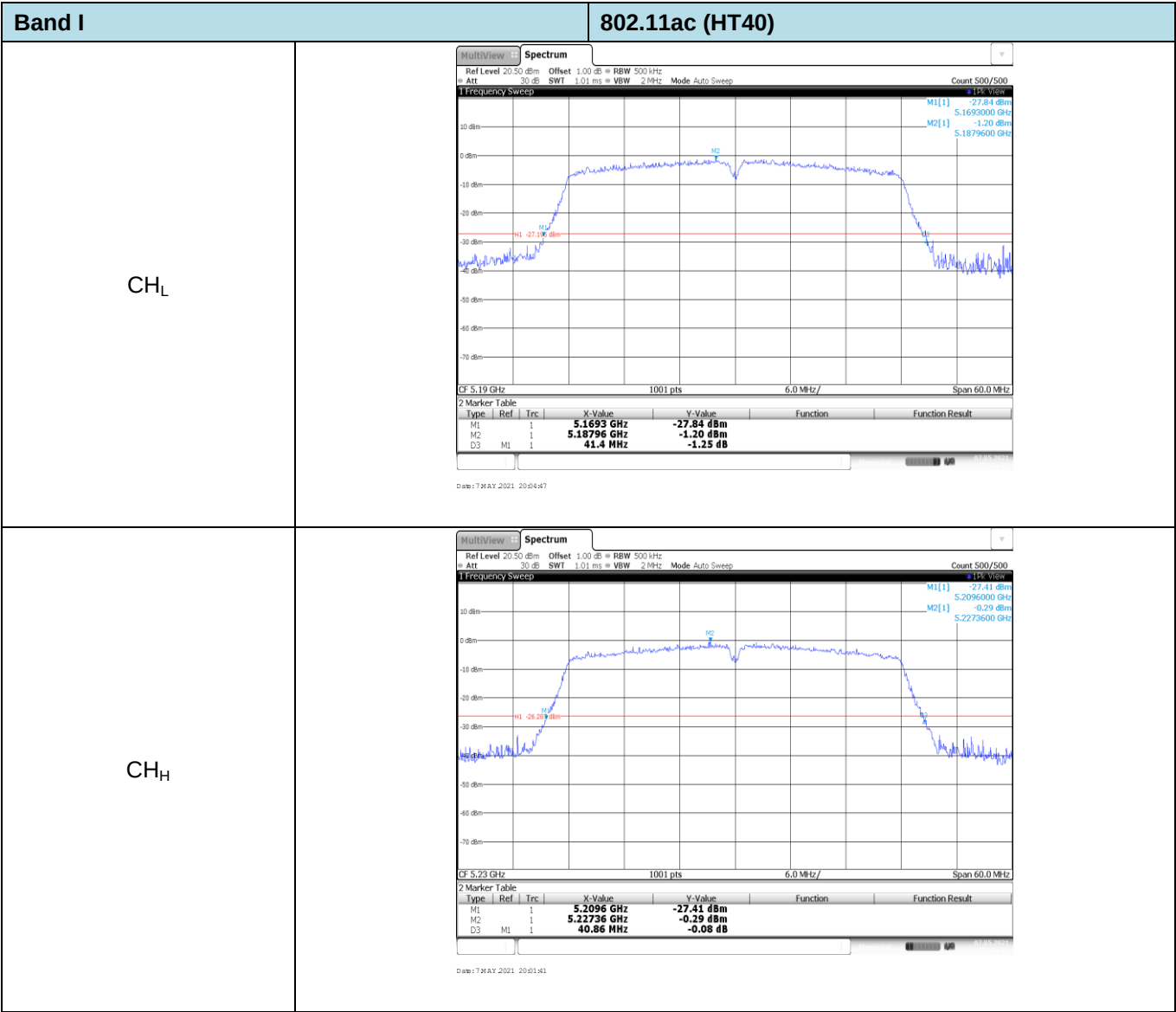
Band I		802.11ac (HT20)																													
CH _L		MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep  M1(1) -27.21 dBm 5.1697700 GHz M2(1) -0.58 dBm 5.1783200 GHz CF 5.18 GHz 1001 pts 3.0 MHz/ Span 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>5.16977 GHz</td><td>-27.21 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.17832 GHz</td><td>-0.58 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>20.55 MHz</td><td>-1.08 dB</td><td></td><td></td></tr></table> Date: 7 MAY 2021 19:56:32		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.16977 GHz	-27.21 dBm			M2	1		5.17832 GHz	-0.58 dBm			D3	M1	1	20.55 MHz	-1.08 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																									
M1	1		5.16977 GHz	-27.21 dBm																											
M2	1		5.17832 GHz	-0.58 dBm																											
D3	M1	1	20.55 MHz	-1.08 dB																											

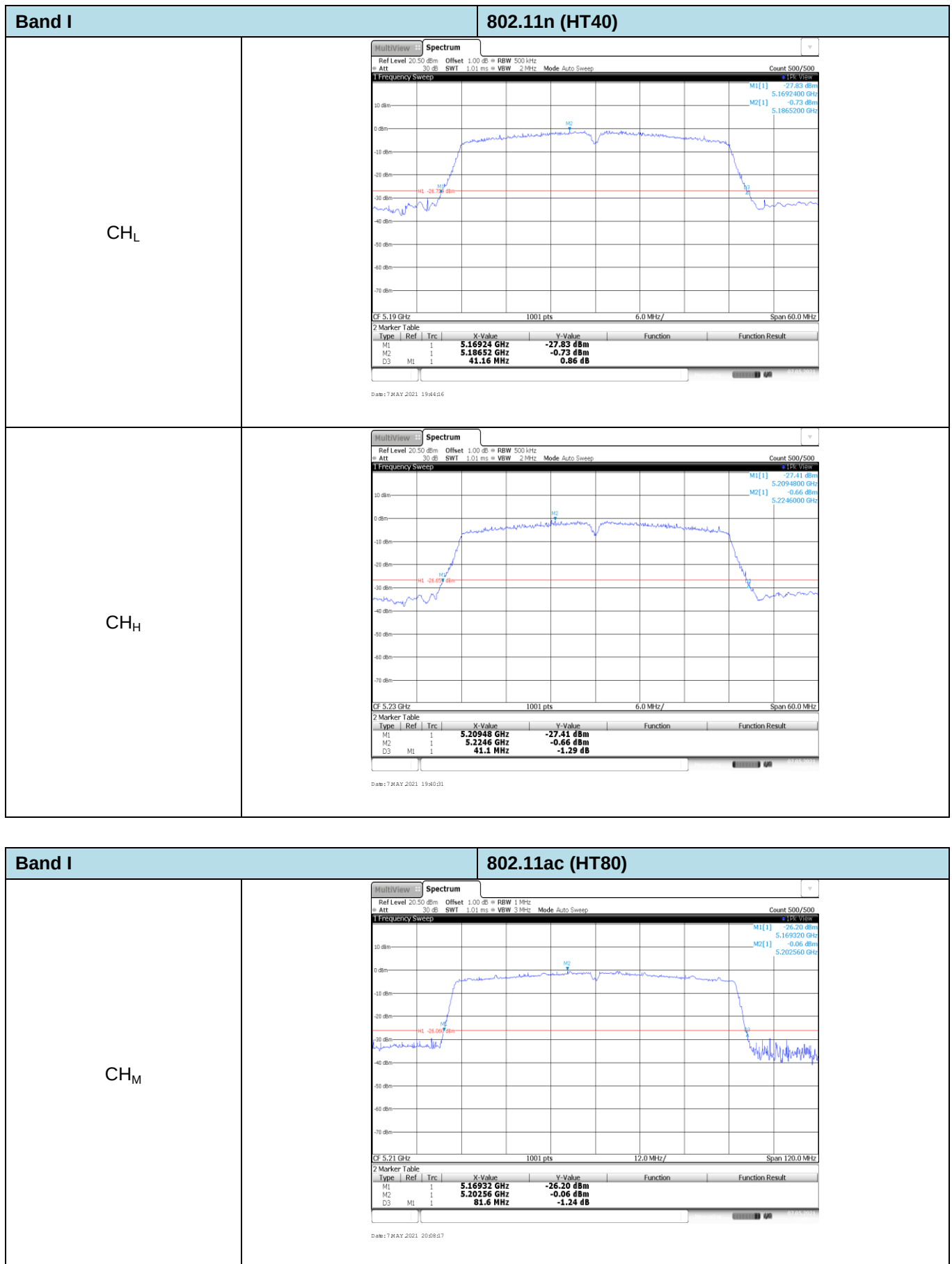
CH _M		MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep  M1(1) -26.77 dBm 5.2097700 GHz M2(1) -0.25 dBm 5.2189800 GHz CF 5.22 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz 2 Marker Table <table><tr><th>Type</th><th>Ref</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>5.20977 GHz</td><td>-26.77 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.21898 GHz</td><td>-0.25 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>20.46 MHz</td><td>0.36 dB</td><td></td><td></td></tr></table> Date: 7 MAY 2021 19:58:29		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.20977 GHz	-26.77 dBm			M2	1		5.21898 GHz	-0.25 dBm			D3	M1	1	20.46 MHz	0.36 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																									
M1	1		5.20977 GHz	-26.77 dBm																											
M2	1		5.21898 GHz	-0.25 dBm																											
D3	M1	1	20.46 MHz	0.36 dB																											

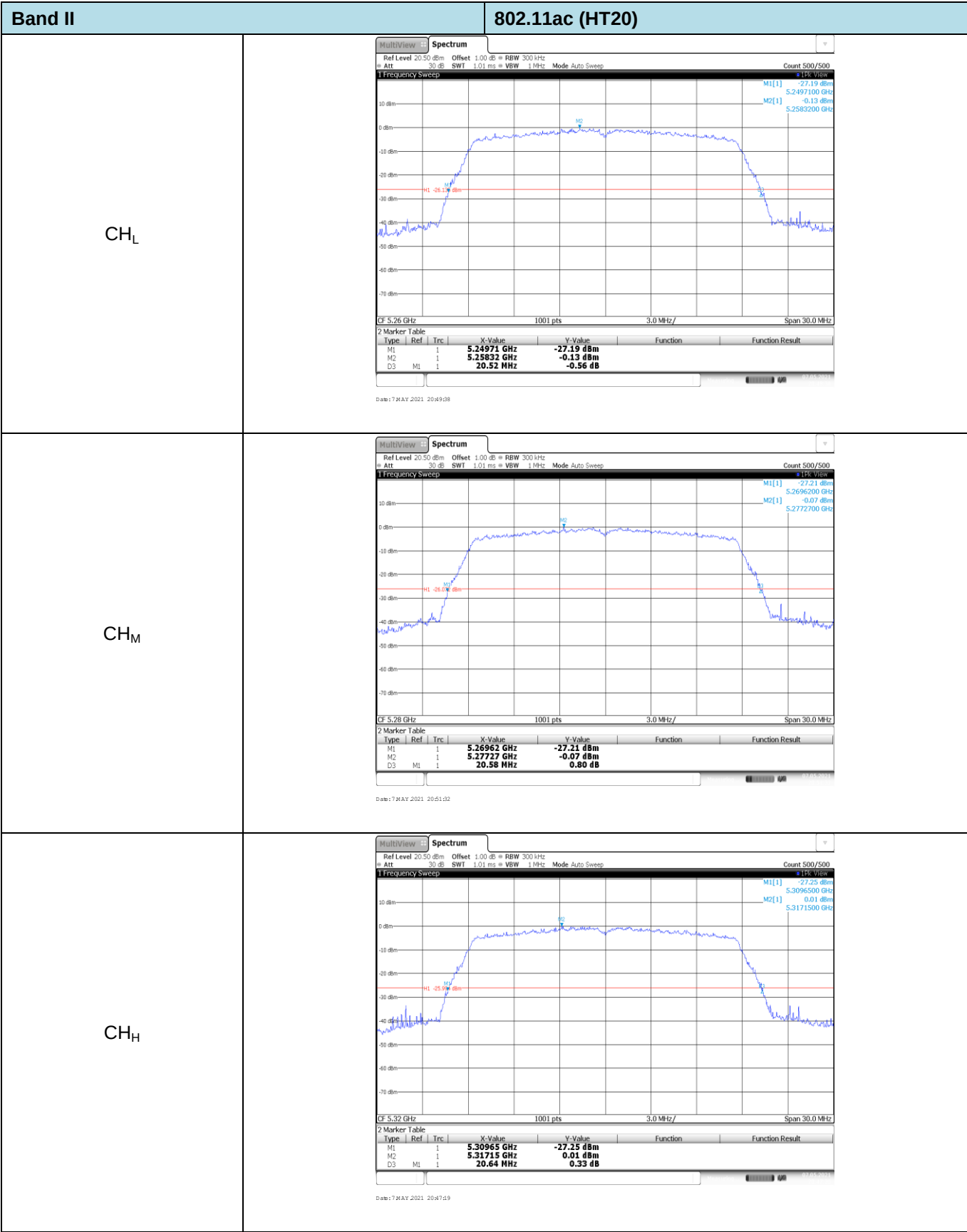
CH _H		MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep  M1(1) -26.81 dBm 5.2297400 GHz M2(1) -0.33 dBm 5.2389500 GHz CF 5.24 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz 2 Marker Table <table><tr><th>Type</th><th>Ref</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>-26.81 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.23895 GHz</td><td>-0.33 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>20.58 MHz</td><td>0.64 dB</td><td></td><td></td></tr></table> Date: 7 MAY 2021 19:54:22		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.22974 GHz	-26.81 dBm			M2	1		5.23895 GHz	-0.33 dBm			D3	M1	1	20.58 MHz	0.64 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																									
M1	1		5.22974 GHz	-26.81 dBm																											
M2	1		5.23895 GHz	-0.33 dBm																											
D3	M1	1	20.58 MHz	0.64 dB																											

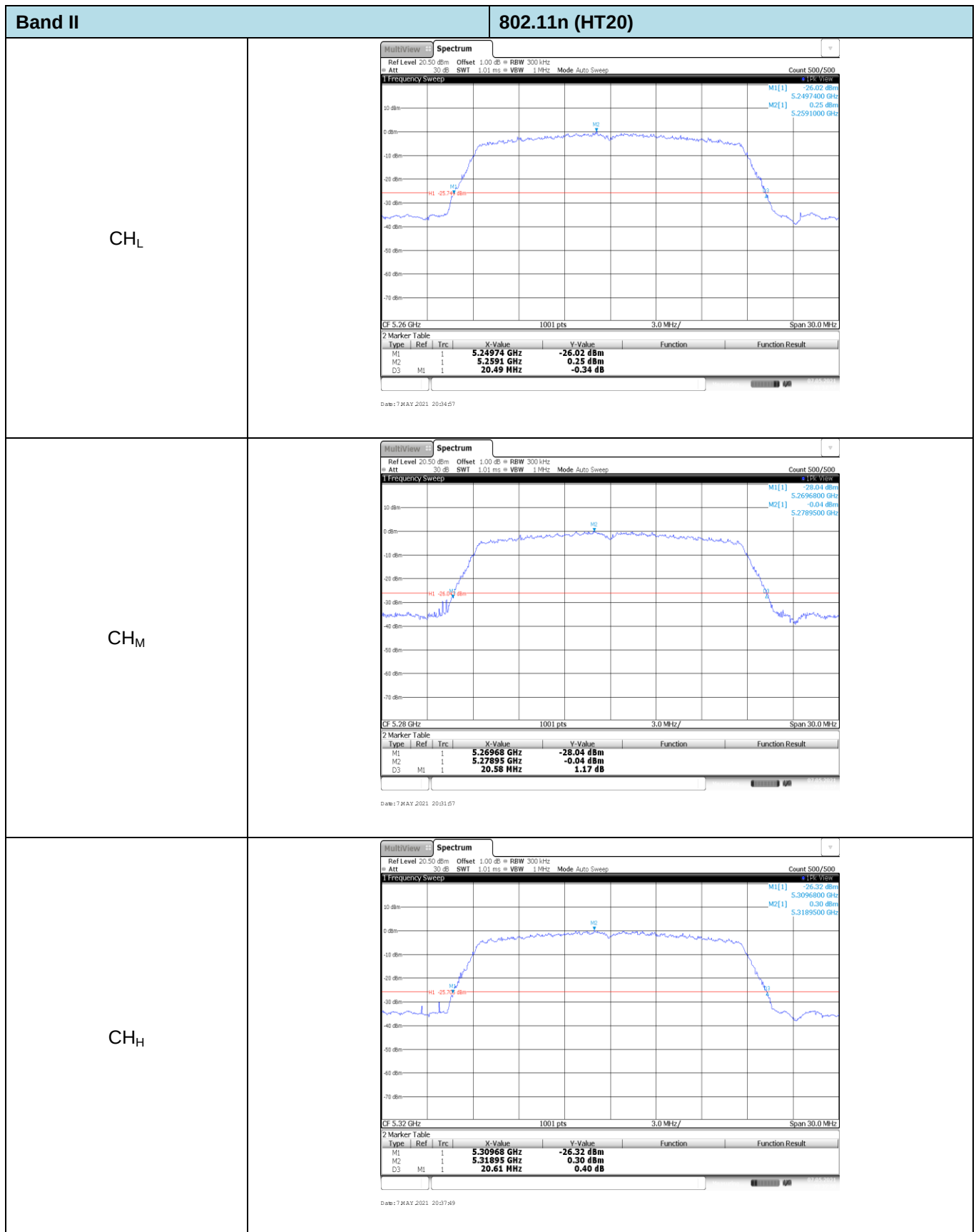




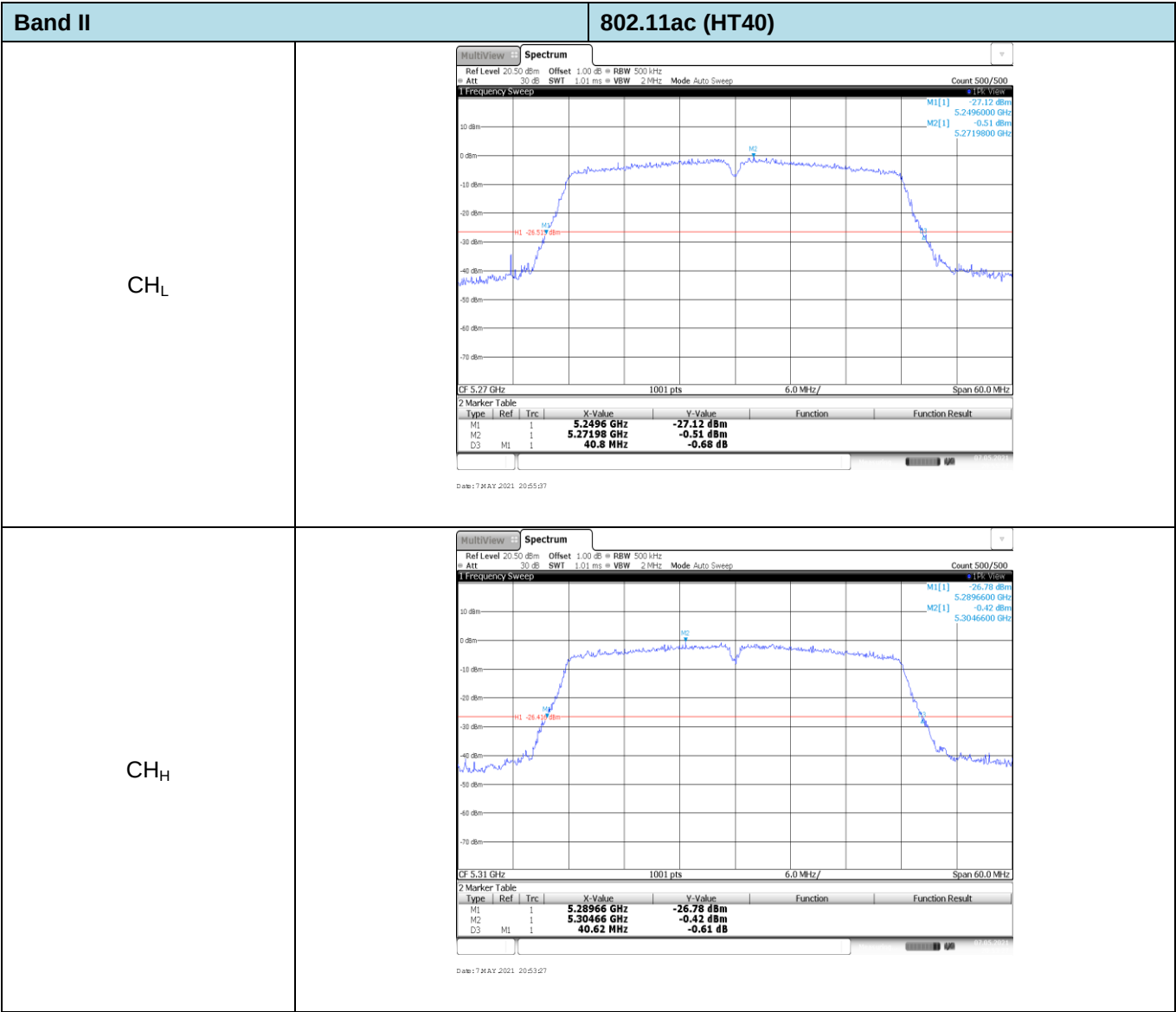


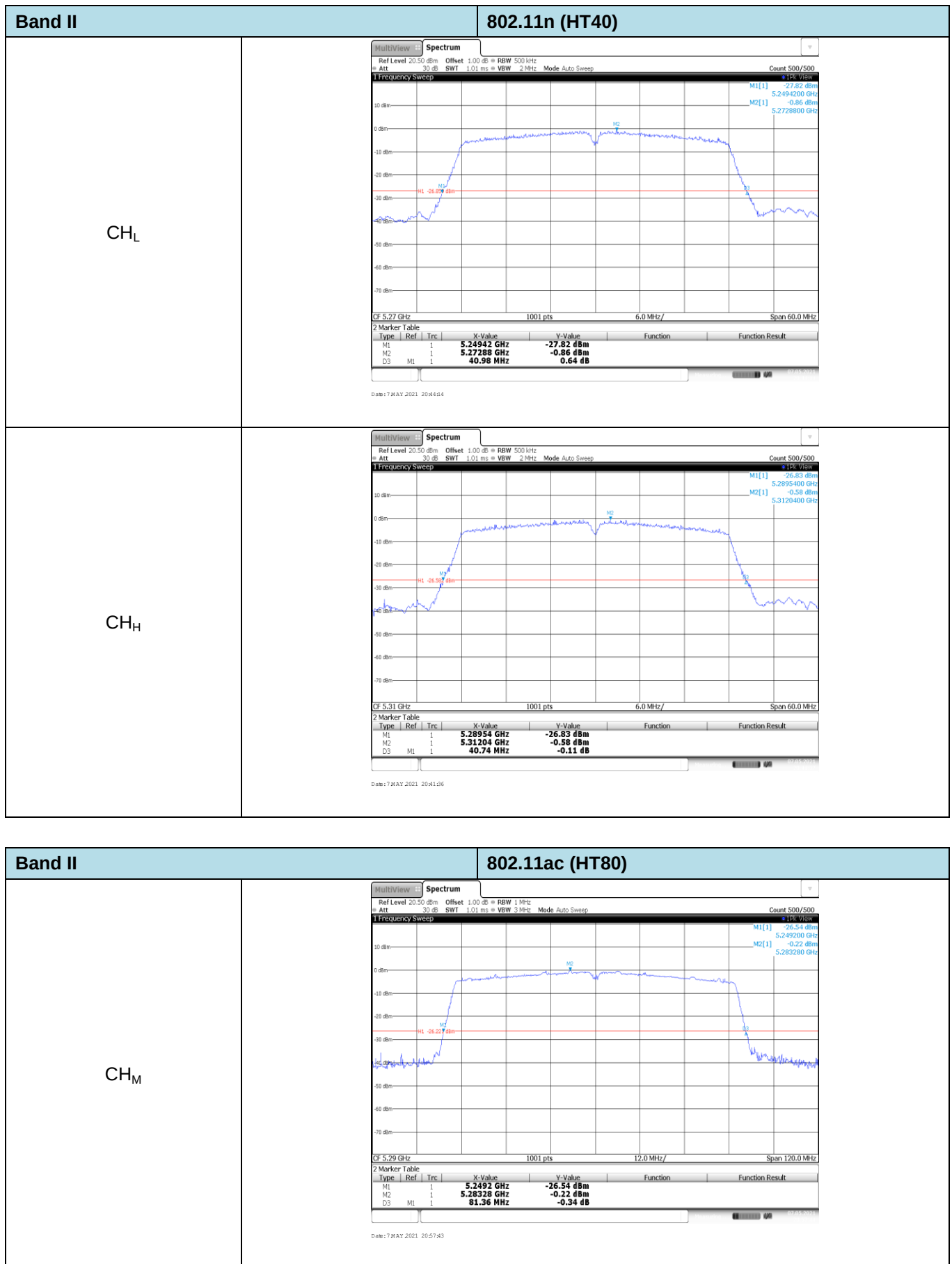


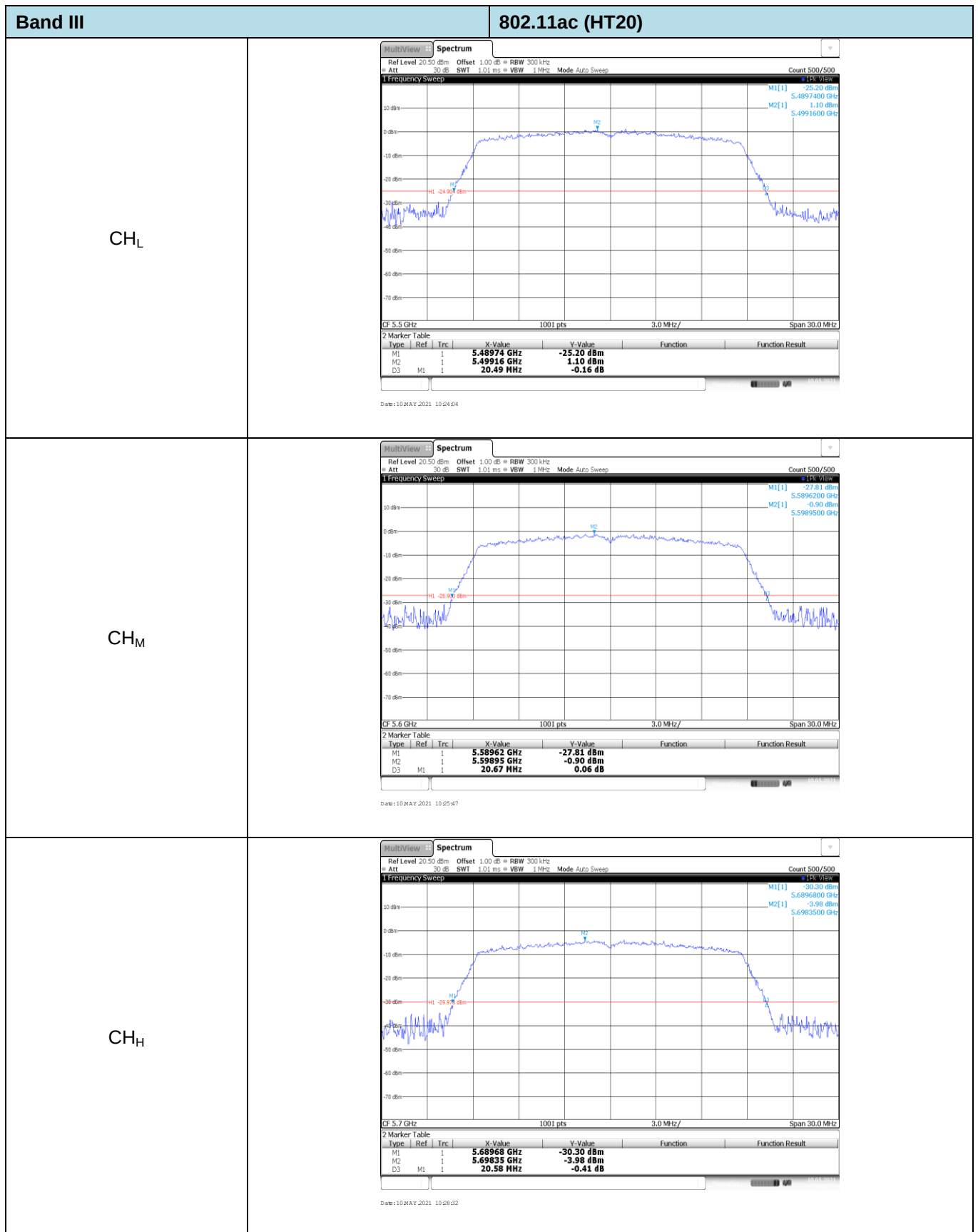


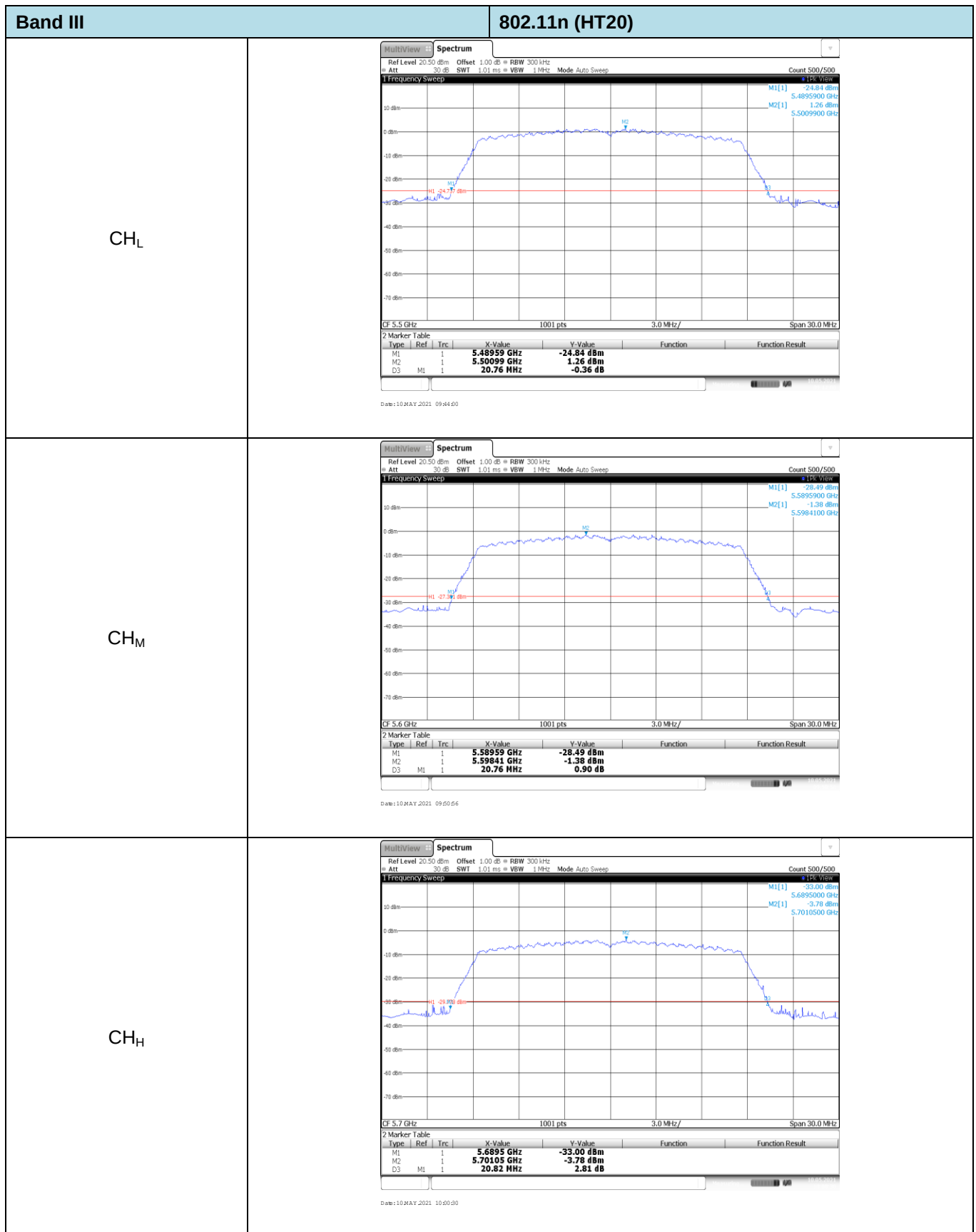


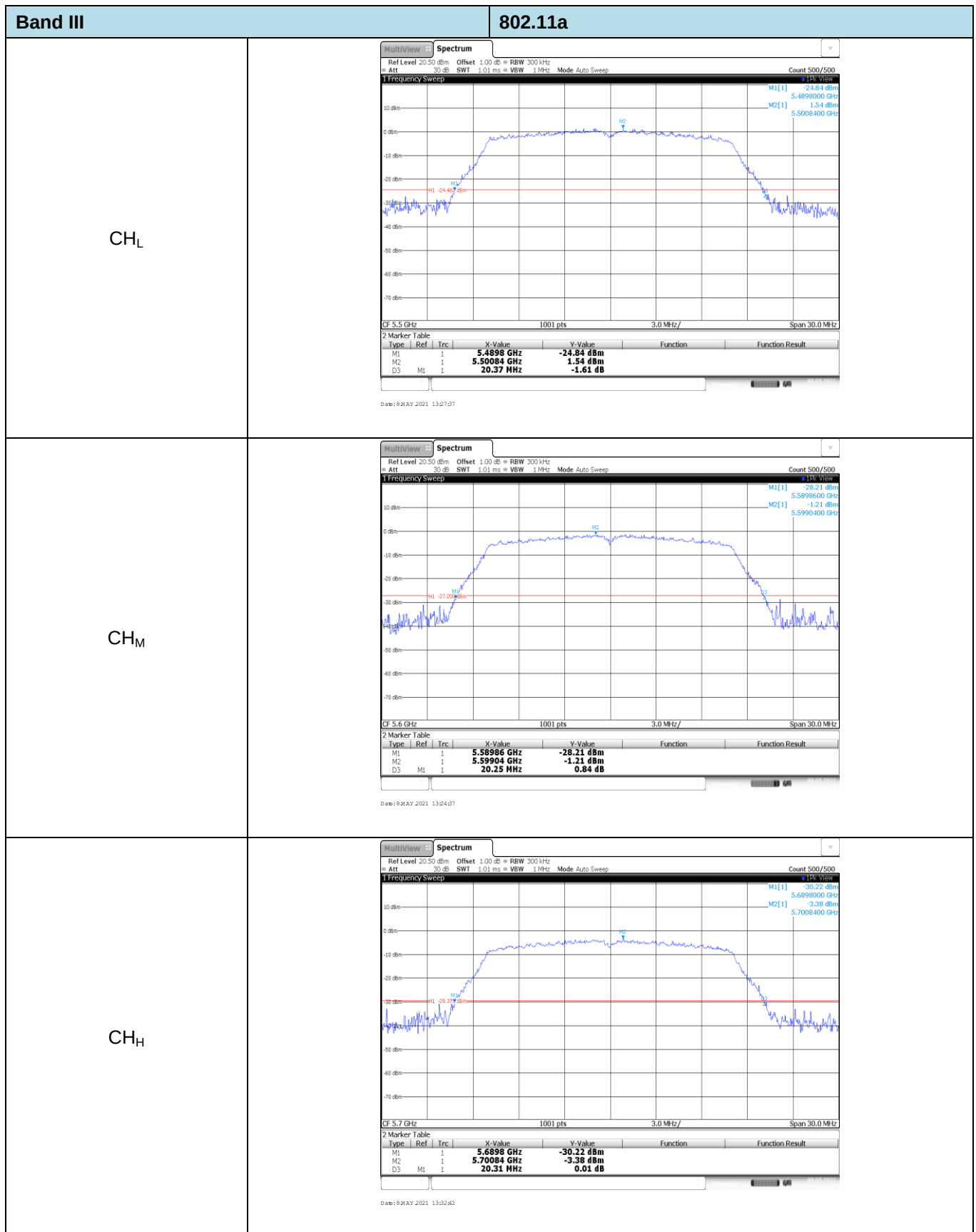
Band II		802.11a																											
CH _L	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWF 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep 30 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] -25.51 dBm 5.2498900 GHz M2[1] 0.55 dBm 5.2591000 GHz CF 5.26 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>5.24989 GHz</td><td>-25.51 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.2591 GHz</td><td>0.55 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>20.25 MHz</td><td>-1.03 dB</td><td></td><td></td></tr></table> Date: 7 MAY 2021 20:27:25	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.24989 GHz	-25.51 dBm			M2	1		5.2591 GHz	0.55 dBm			D3	M1	1	20.25 MHz	-1.03 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.24989 GHz	-25.51 dBm																									
M2	1		5.2591 GHz	0.55 dBm																									
D3	M1	1	20.25 MHz	-1.03 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 30 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] -26.35 dBm 5.2698600 GHz M2[1] 0.76 dBm 5.2783500 GHz CF 5.28 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>5.26986 GHz</td><td>-26.35 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.27835 GHz</td><td>0.76 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>20.31 MHz</td><td>-0.61 dB</td><td></td><td></td></tr></table> Date: 7 MAY 2021 20:25:47	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.26986 GHz	-26.35 dBm			M2	1		5.27835 GHz	0.76 dBm			D3	M1	1	20.31 MHz	-0.61 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.26986 GHz	-26.35 dBm																									
M2	1		5.27835 GHz	0.76 dBm																									
D3	M1	1	20.31 MHz	-0.61 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 30 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1[1] -25.85 dBm 5.3099200 GHz M2[1] 0.37 dBm 5.3213500 GHz CF 5.32 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>5.30992 GHz</td><td>-25.85 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.32135 GHz</td><td>0.37 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>20.31 MHz</td><td>-2.49 dB</td><td></td><td></td></tr></table> Date: 7 MAY 2021 20:29:24	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.30992 GHz	-25.85 dBm			M2	1		5.32135 GHz	0.37 dBm			D3	M1	1	20.31 MHz	-2.49 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.30992 GHz	-25.85 dBm																									
M2	1		5.32135 GHz	0.37 dBm																									
D3	M1	1	20.31 MHz	-2.49 dB																									

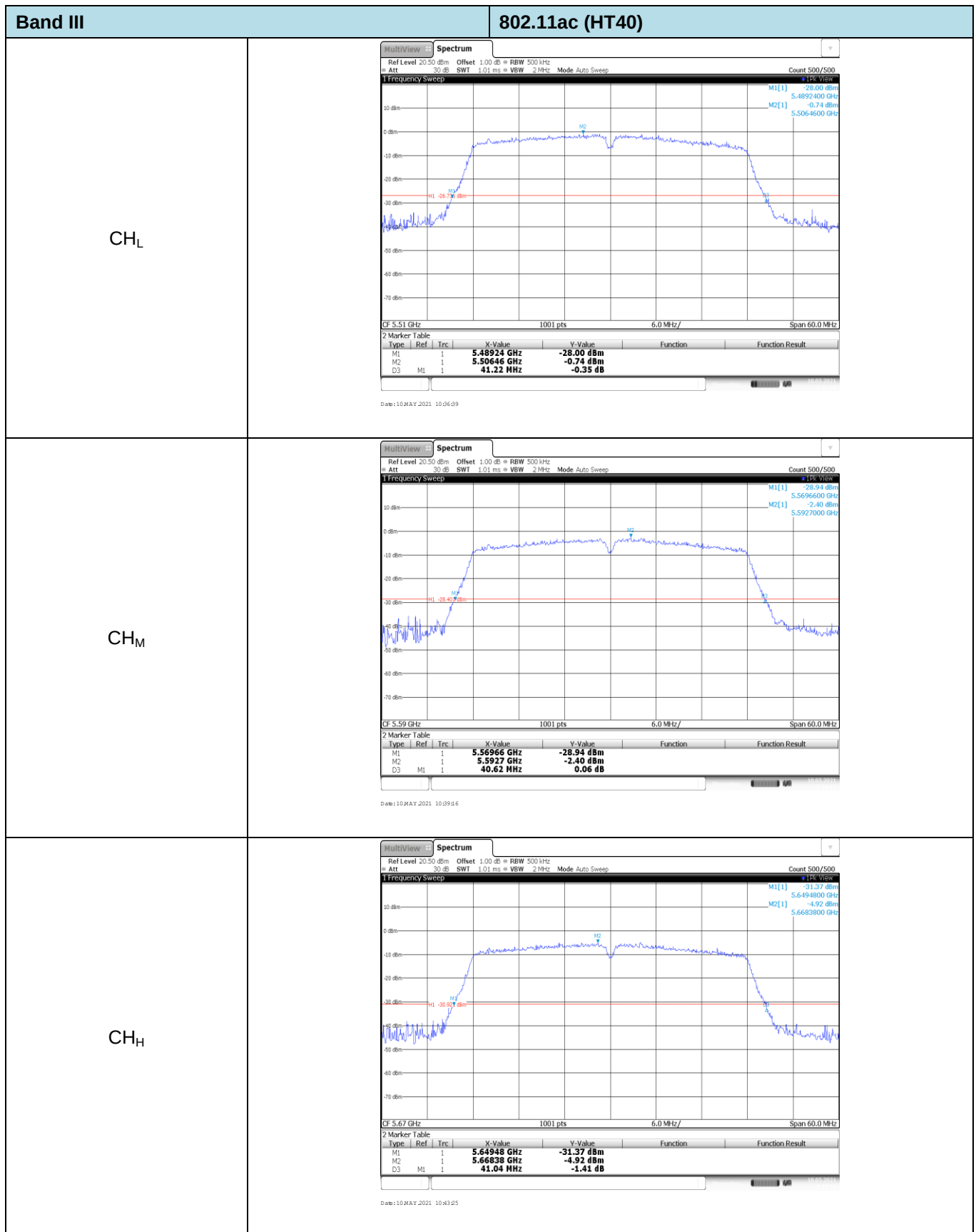


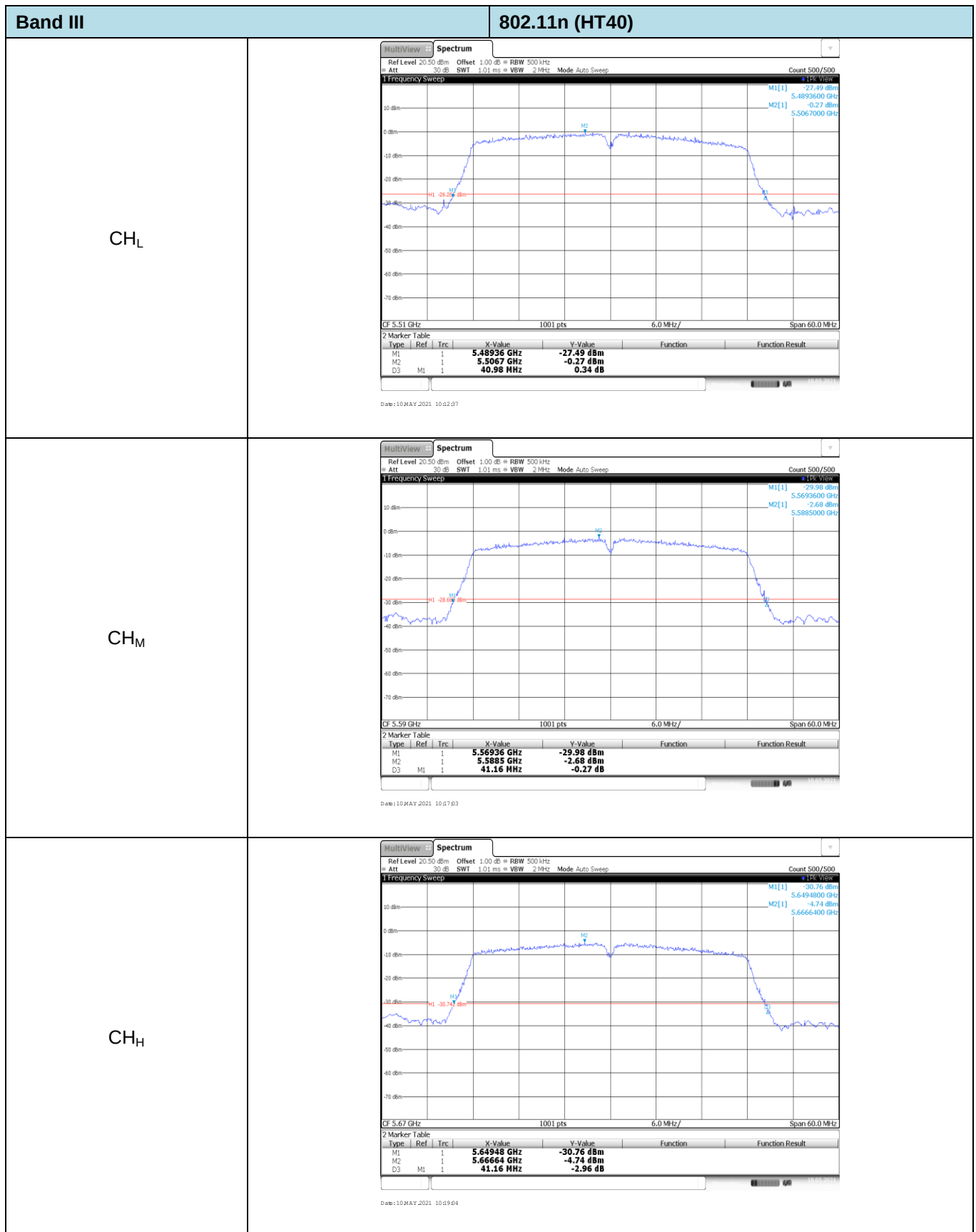












Band III		802.11ac (HT80)																												
CH _L	Ref Level 20.50 dBm Offset 1.00 dB BW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Frequency Sweep CF 5.53 GHz 1001 pts 12.0 MHz/ Span 120.0 MHz <table> <tr> <th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr> <tr> <td>M1</td><td>1</td><td></td><td>5.48896 GHz</td><td>-26.84 dBm</td><td></td><td></td></tr> <tr> <td>M2</td><td>1</td><td></td><td>5.51884 GHz</td><td>-0.54 dBm</td><td></td><td></td></tr> <tr> <td>D3</td><td>M1</td><td>1</td><td>81.48 MHz</td><td>-0.44 dB</td><td></td><td></td></tr> </table> Date: 10 MAY 2021 10:46:23		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.48896 GHz	-26.84 dBm			M2	1		5.51884 GHz	-0.54 dBm			D3	M1	1	81.48 MHz	-0.44 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		5.48896 GHz	-26.84 dBm																										
M2	1		5.51884 GHz	-0.54 dBm																										
D3	M1	1	81.48 MHz	-0.44 dB																										

CH _M	Ref Level 20.50 dBm Offset 1.00 dB BW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Frequency Sweep CF 5.61 GHz 1001 pts 12.0 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>5.5692 GHz</td><td>-28.27 dBm</td><td></td><td></td></tr> <tr> <td>M2</td><td>1</td><td></td><td>5.60328 GHz</td><td>-2.02 dBm</td><td></td><td></td></tr> <tr> <td>D3</td><td>M1</td><td>1</td><td>81.24 MHz</td><td>-0.06 dB</td><td></td><td></td></tr> </table> Date: 10 MAY 2021 10:48:57		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.5692 GHz	-28.27 dBm			M2	1		5.60328 GHz	-2.02 dBm			D3	M1	1	81.24 MHz	-0.06 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		5.5692 GHz	-28.27 dBm																										
M2	1		5.60328 GHz	-2.02 dBm																										
D3	M1	1	81.24 MHz	-0.06 dB																										

CH _H	Ref Level 20.50 dBm Offset 1.00 dB BW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Frequency Sweep CF 5.69 GHz 1001 pts 12.0 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>5.64908 GHz</td><td>-30.91 dBm</td><td></td><td></td></tr> <tr> <td>M2</td><td>1</td><td></td><td>5.68316 GHz</td><td>-4.47 dBm</td><td></td><td></td></tr> <tr> <td>D3</td><td>M1</td><td>1</td><td>81.6 MHz</td><td>-0.35 dB</td><td></td><td></td></tr> </table> Date: 10 MAY 2021 10:50:36		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.64908 GHz	-30.91 dBm			M2	1		5.68316 GHz	-4.47 dBm			D3	M1	1	81.6 MHz	-0.35 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		5.64908 GHz	-30.91 dBm																										
M2	1		5.68316 GHz	-4.47 dBm																										
D3	M1	1	81.6 MHz	-0.35 dB																										

Appendix D: 99% Occupy bandwidth

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
I	20	802.11ac	CH _L	17.68	Pass
			CH _M	17.68	
			CH _H	17.65	
		802.11n	CH _L	17.71	Pass
			CH _M	17.71	
			CH _H	17.68	
		802.11a	CH _L	16.66	Pass
			CH _M	16.66	
			CH _H	16.66	
	40	802.11ac	CH _L	36.08	Pass
			CH _H	36.08	
		802.11n	CH _L	36.20	Pass
			CH _H	36.08	
	80	802.11ac	CH _M	75.28	Pass
II	20	802.11ac	CH _L	17.68	Pass
			CH _M	17.68	
			CH _H	17.68	
		802.11n	CH _L	17.74	Pass
			CH _M	17.71	
			CH _H	17.68	
		802.11a	CH _L	16.63	Pass
			CH _M	16.66	
			CH _H	16.66	
	40	802.11ac	CH _L	36.08	Pass
			CH _H	36.08	
		802.11n	CH _L	36.08	Pass
			CH _H	36.08	
	80	802.11ac	CH _M	75.05	Pass

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
III	20	802.11ac	CH _L	17.71	Pass
			CH _M	17.68	
			CH _H	17.68	
		802.11n	CH _L	17.83	Pass
			CH _M	17.77	
			CH _H	17.77	
		802.11a	CH _L	16.69	Pass
			CH _M	16.66	
			CH _H	16.66	
	40	802.11ac	CH _L	36.08	Pass
			CH _M	36.14	
			CH _H	36.08	
		802.11n	CH _L	36.14	Pass
			CH _M	36.14	
			CH _H	36.14	
	80	802.11ac	CH _L	75.16	Pass
			CH _M	75.04	
			CH _H	75.28	

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	17.80	Pass
			CH _M	17.80	
			CH _H	17.80	
		802.11n	CH _L	17.89	Pass
			CH _M	17.89	
			CH _H	17.92	
		802.11a	CH _L	16.81	Pass
			CH _M	16.81	
			CH _H	16.81	
	40	802.11ac	CH _L	36.20	Pass
			CH _H	36.20	
		802.11n	CH _L	36.30	Pass
			CH _H	36.38	
	80	802.11ac	CH _M	75.28	Pass

