

APPENDIX REPORT

Project No.	SHT2102033002EW	Radio Specification	WIFI 5G
Test sample No.	YPHT21020330003	Model No.	VT980
Start test date	2021-03-04	Finish date	2021-03-04
Temperature	24.6°C	Humidity	42%
Test Engineer	Hailey Chen	Auditor	Xiaodong Zhuo

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	802.11ac	CH _L	13.04	82.91	0.81	13.85	24.00	Pass
			CH _M	13.13	82.91	0.81	13.94		
			CH _H	13.07	82.91	0.81	13.88		
		802.11n	CH _L	13.19	86.47	0.63	13.82	24.00	Pass
			CH _M	13.75	86.38	0.64	14.39		
			CH _H	13.55	86.38	0.64	14.19		
		802.11a	CH _L	13.43	87.22	0.59	14.02	24.00	Pass
			CH _M	13.39	87.22	0.59	13.98		
			CH _H	13.26	87.15	0.60	13.86		
	40	802.11ac	CH _L	12.87	71.04	1.48	14.35	24.00	Pass
			CH _H	13.03	71.01	1.49	14.52		
		802.11n	CH _L	13.10	70.85	1.50	14.60	24.00	Pass
			CH _H	13.12	70.85	1.50	14.62		
	80	802.11ac	CH _M	12.81	55.13	2.59	15.40	24.00	Pass
II	20	802.11ac	CH _L	13.22	82.91	0.81	14.03	24.00	Pass
			CH _M	13.09	83.01	0.81	13.90		
			CH _H	13.20	82.99	0.81	14.01		
		802.11n	CH _L	13.55	82.99	0.81	14.36	24.00	Pass
			CH _M	13.52	82.91	0.81	14.33		
			CH _H	13.11	82.99	0.81	13.92		
		802.11a	CH _L	13.89	83.87	0.76	14.65	24.00	Pass
			CH _M	13.64	83.79	0.77	14.41		
			CH _H	13.44	83.89	0.76	14.20		
	40	802.11ac	CH _L	13.27	71.01	1.49	14.76	24.00	Pass
			CH _H	13.27	71.01	1.49	14.76		
		802.11n	CH _L	13.24	70.76	1.50	14.74	24.00	Pass
			CH _H	13.32	70.83	1.50	14.82		
	80	802.11ac	CH _M	12.98	55.13	2.59	15.57	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	13.26	82.99	0.81	14.07	24.00	Pass
			CH _M	12.41	82.99	0.81	13.22		
			CH _H	11.68	82.99	0.81	12.49		
		802.11n	CH _L	13.55	82.99	0.81	14.36	24.00	Pass
			CH _M	12.50	82.99	0.81	13.31		
			CH _H	11.84	82.99	0.81	12.65		
		802.11a	CH _L	13.25	83.87	0.76	14.01	24.00	Pass
			CH _M	12.67	83.87	0.76	13.43		
			CH _H	11.64	83.87	0.76	12.40		
	40	802.11ac	CH _L	13.10	71.01	1.49	14.59	24.00	Pass
			CH _M	12.65	71.01	1.49	14.14		
			CH _H	12.01	71.01	1.49	13.50		
		802.11n	CH _L	13.44	70.76	1.50	14.94	24.00	Pass
			CH _M	12.57	70.85	1.50	14.07		
			CH _H	11.89	70.83	1.50	13.39		
	80	802.11ac	CH _L	12.46	55.13	2.59	15.05	24.00	Pass
			CH _M	11.90	55.13	2.59	14.49		
			CH _H	11.17	55.13	2.59	13.76		
IV	20	802.11ac	CH _L	13.28	82.91	0.81	14.09	30.00	Pass
			CH _M	13.34	82.99	0.81	14.15		
			CH _H	13.39	82.91	0.81	14.20		
		802.11n	CH _L	13.78	82.99	0.81	14.59	30.00	Pass
			CH _M	13.72	82.91	0.81	14.53		
			CH _H	13.51	82.99	0.81	14.32		
		802.11a	CH _L	13.87	83.79	0.77	14.64	30.00	Pass
			CH _M	13.66	83.87	0.76	14.42		
			CH _H	13.69	83.87	0.76	14.45		
	40	802.11ac	CH _L	12.25	71.04	1.48	13.73	30.00	Pass
			CH _H	12.23	71.01	1.49	13.72		
		802.11n	CH _L	12.62	70.85	1.50	14.12	30.00	Pass
			CH _H	12.75	70.85	1.50	14.25		
	80	802.11ac	CH _M	11.40	55.13	2.59	13.99	30.00	Pass

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

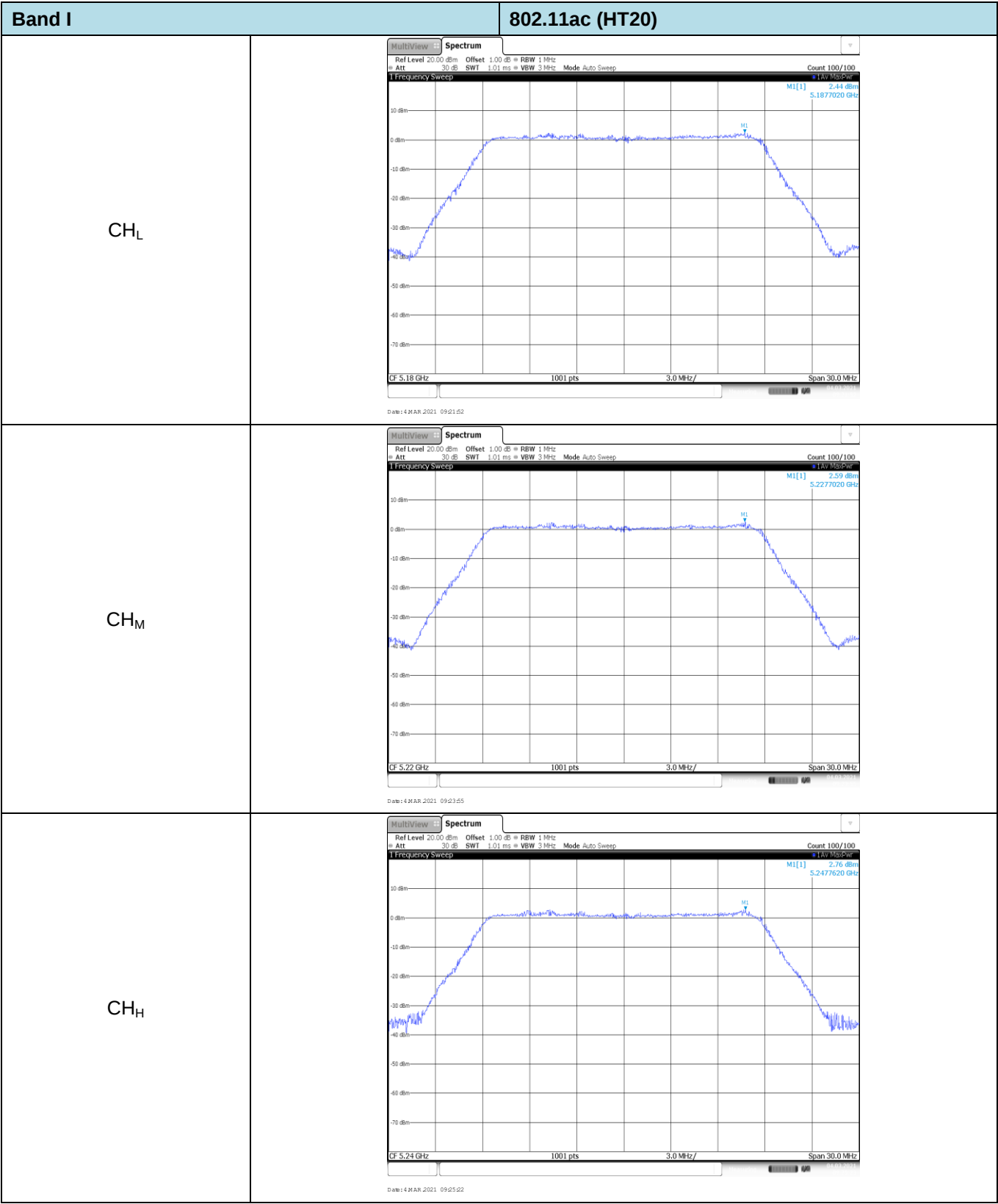
Appendix B: Maximum Power Spectral Density

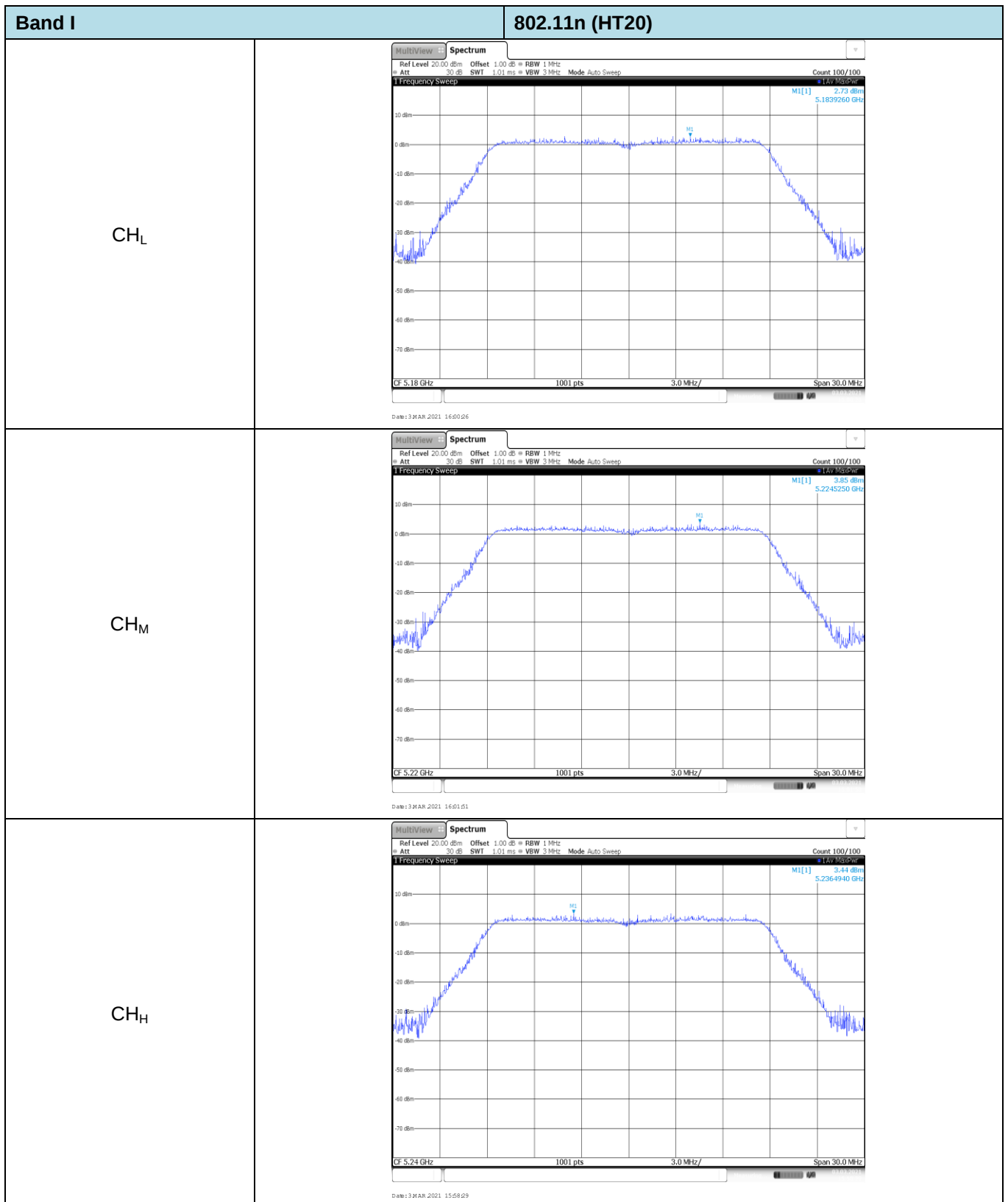
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
I	20	802.11ac	CH _L	2.44	82.91	0.81	3.25	11.00	Pass
			CH _M	2.59	82.91	0.81	3.40		
			CH _H	2.76	82.91	0.81	3.57		
		802.11n	CH _L	2.73	86.47	0.63	3.36	11.00	Pass
			CH _M	3.85	86.38	0.64	4.49		
			CH _H	3.44	86.38	0.64	4.08		
		802.11a	CH _L	3.23	87.22	0.59	3.82	11.00	Pass
			CH _M	3.67	87.22	0.59	4.26		
			CH _H	3.30	87.15	0.60	3.90		
	40	802.11ac	CH _L	-0.47	71.04	1.48	1.01	11.00	Pass
			CH _H	0.47	71.01	1.49	1.96		
		802.11n	CH _L	0.17	70.85	1.50	1.67	11.00	Pass
			CH _H	-0.18	70.85	1.50	1.32		
	80	802.11ac	CH _M	-2.89	55.13	2.59	-0.30	11.00	Pass

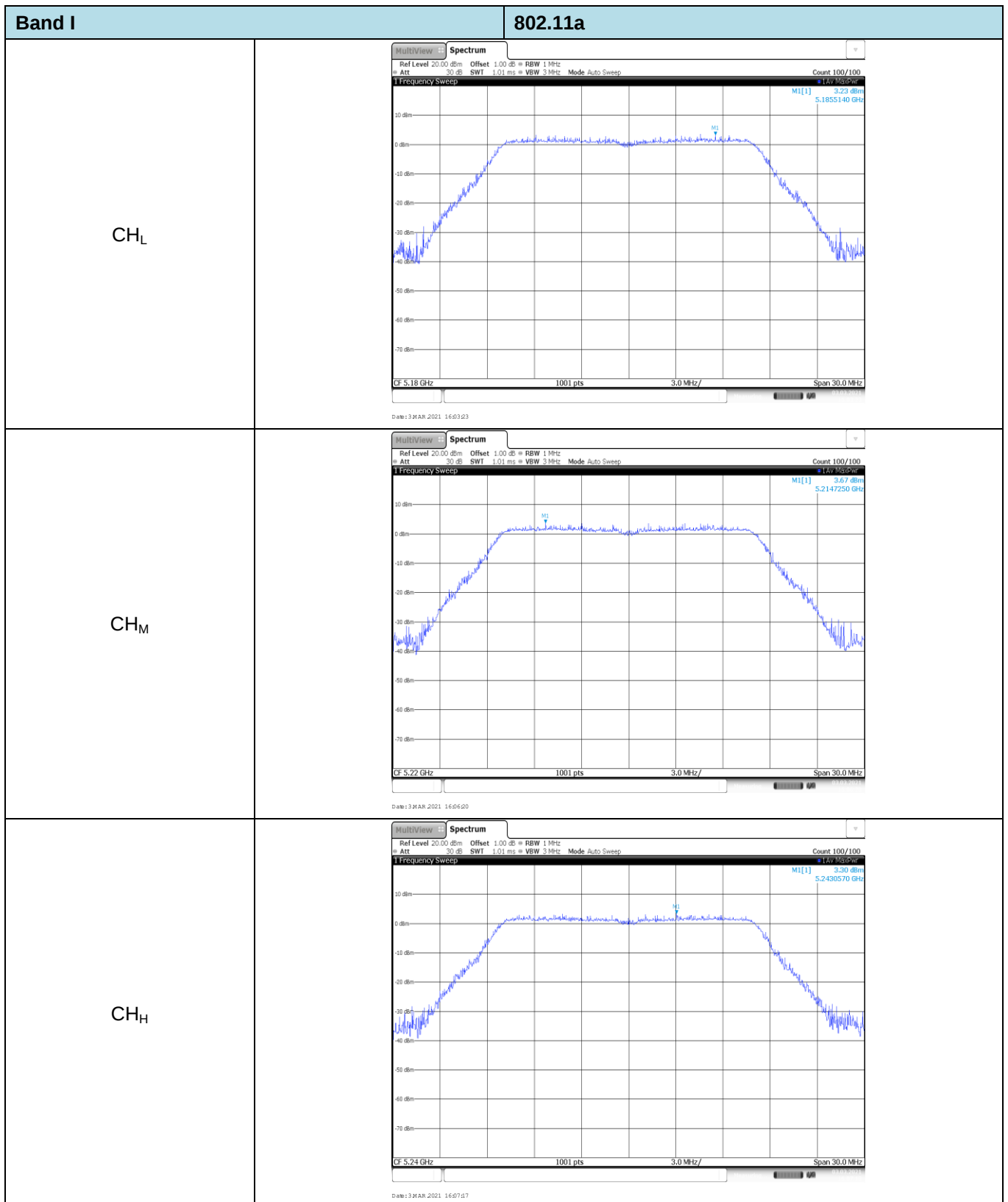
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
II	20	802.11ac	CH _L	2.96	82.91	0.81	3.77	11.00	Pass
			CH _M	2.86	83.01	0.81	3.67		
			CH _H	3.19	82.99	0.81	4.00		
		802.11n	CH _L	3.45	82.99	0.81	4.26	11.00	Pass
			CH _M	3.72	82.91	0.81	4.53		
			CH _H	3.67	82.99	0.81	4.48		
		802.11a	CH _L	3.61	83.87	0.76	4.37	11.00	Pass
			CH _M	4.24	83.79	0.77	5.01		
			CH _H	3.23	83.89	0.76	3.99		
	40	802.11ac	CH _L	0.56	71.01	1.49	2.05	11.00	Pass
			CH _H	0.71	71.01	1.49	2.20		
		802.11n	CH _L	-0.03	70.85	1.50	1.47	11.00	Pass
			CH _H	0.17	70.83	1.50	1.67		
	80	802.11ac	CH _M	-2.32	55.13	2.59	0.27	11.00	Pass

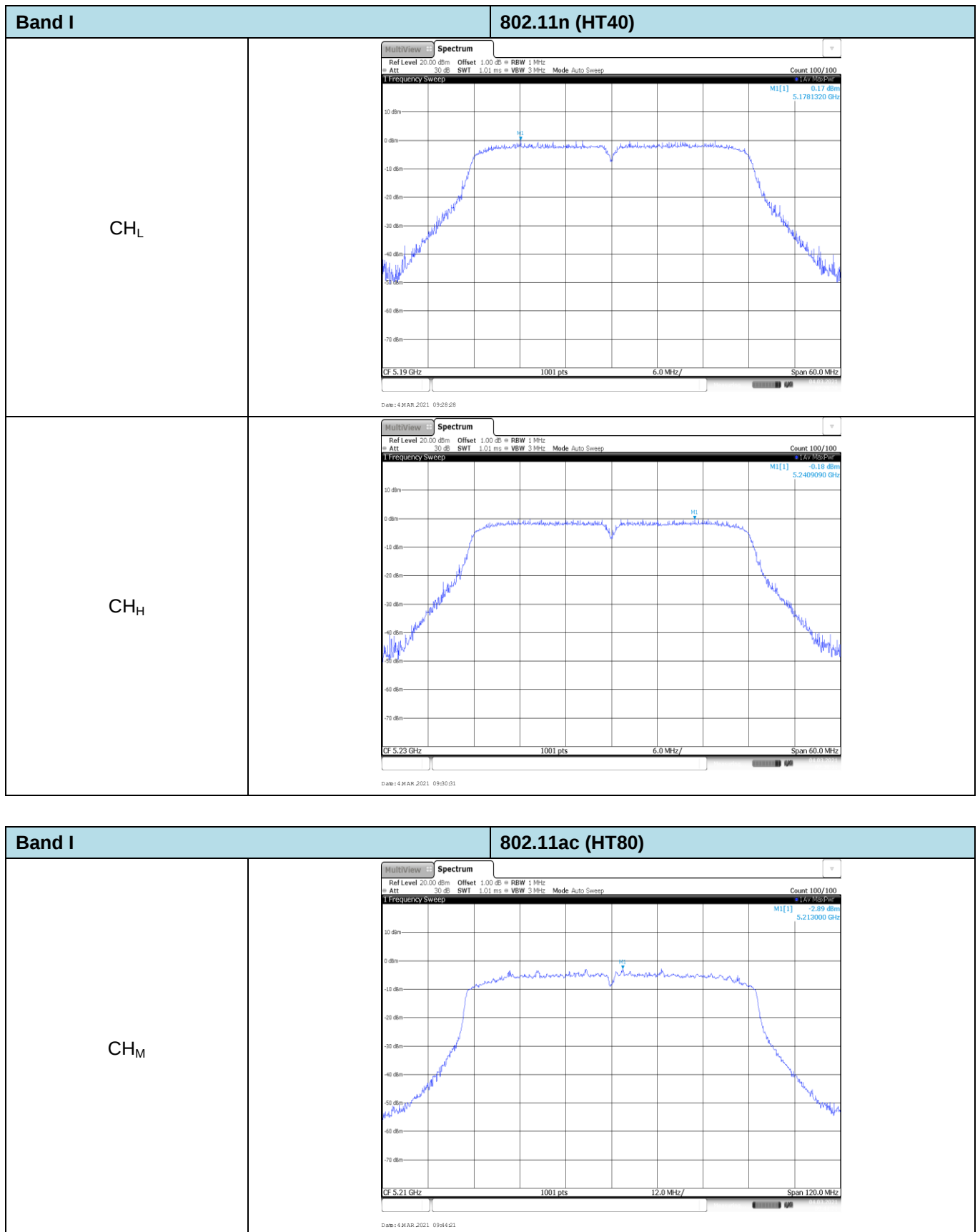
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
III	20	802.11ac	CH _L	2.71	82.99	0.81	3.52	11.00	Pass
			CH _M	1.81	82.99	0.81	2.62		
			CH _H	0.67	82.99	0.81	1.48		
		802.11n	CH _L	3.20	82.99	0.81	4.01	11.00	Pass
			CH _M	2.31	82.99	0.81	3.12		
			CH _H	0.88	82.99	0.81	1.69		
		802.11a	CH _L	3.56	83.87	0.76	4.32	11.00	Pass
			CH _M	2.39	83.87	0.76	3.15		
			CH _H	2.00	83.87	0.76	2.76		
	40	802.11ac	CH _L	0.60	71.01	1.49	2.09	11.00	Pass
			CH _M	-0.08	71.01	1.49	1.41		
			CH _H	-0.76	71.01	1.49	0.73		
		802.11n	CH _L	0.52	70.76	1.50	2.02	11.00	Pass
			CH _M	-0.51	70.85	1.50	0.99		
			CH _H	-1.09	70.83	1.50	0.41		
	80	802.11ac	CH _L	-2.80	55.13	2.59	-0.21	11.00	Pass
			CH _M	-3.47	55.13	2.59	-0.88		
			CH _H	-4.20	55.13	2.59	-1.61		
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	1.27	82.91	0.81	2.08	30.00	Pass
			CH _M	1.32	82.99	0.81	2.13		
			CH _H	0.97	82.91	0.81	1.78		
		802.11n	CH _L	0.76	82.99	0.81	1.57	30.00	Pass
			CH _M	1.43	82.91	0.81	2.24		
			CH _H	1.07	82.99	0.81	1.88		
		802.11a	CH _L	1.70	83.79	0.77	2.47	30.00	Pass
			CH _M	1.52	83.87	0.76	2.28		
			CH _H	1.25	83.87	0.76	2.01		
	40	802.11ac	CH _L	-1.98	71.04	1.48	-0.50	30.00	Pass
			CH _H	-2.21	71.01	1.49	-0.72		
		802.11n	CH _L	-2.16	70.85	1.50	-0.66	30.00	Pass
			CH _H	-2.43	70.85	1.50	-0.93		
	80	802.11ac	CH _M	-6.74	55.13	2.59	-4.15	30.00	Pass

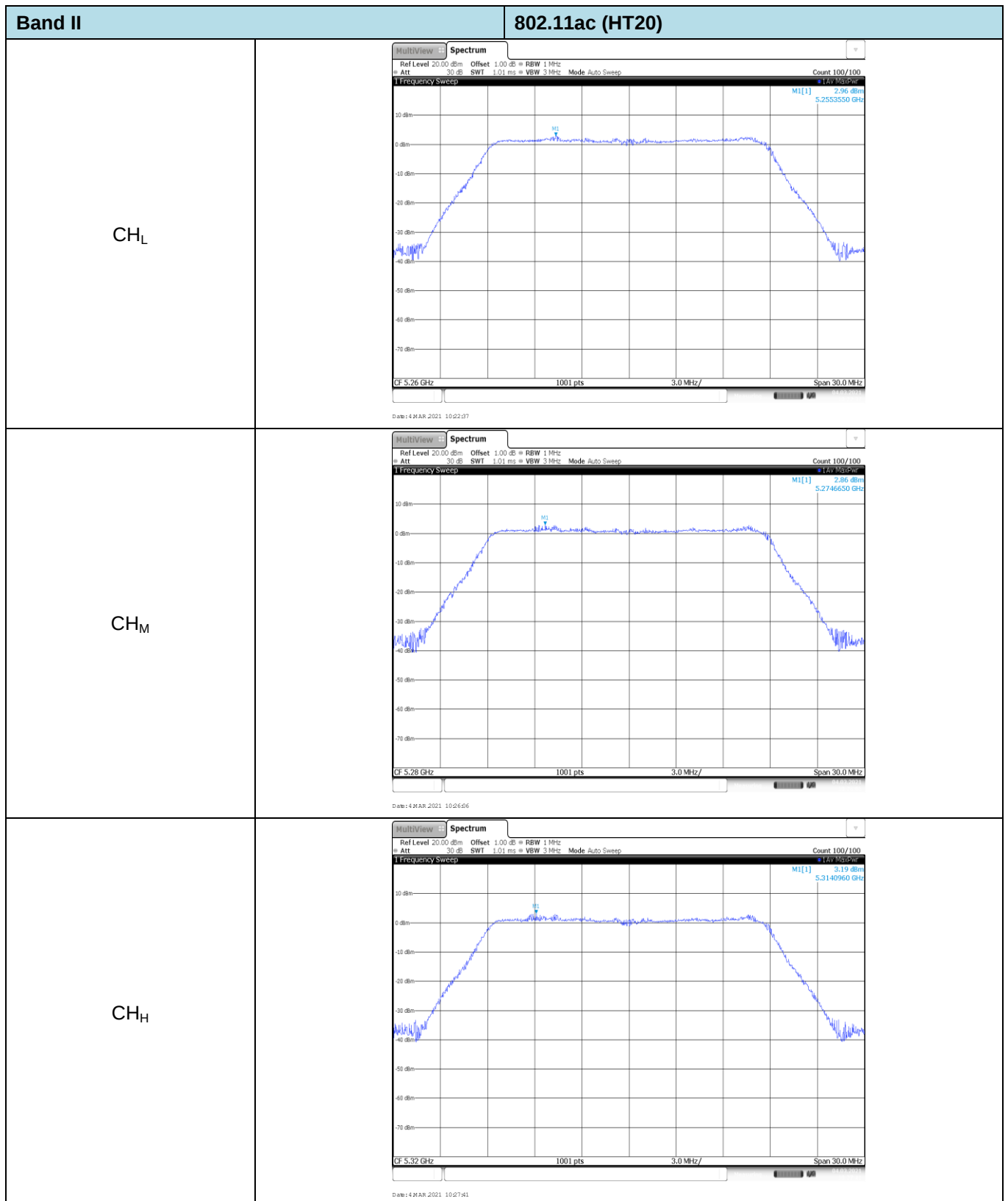
Test plot as follows:

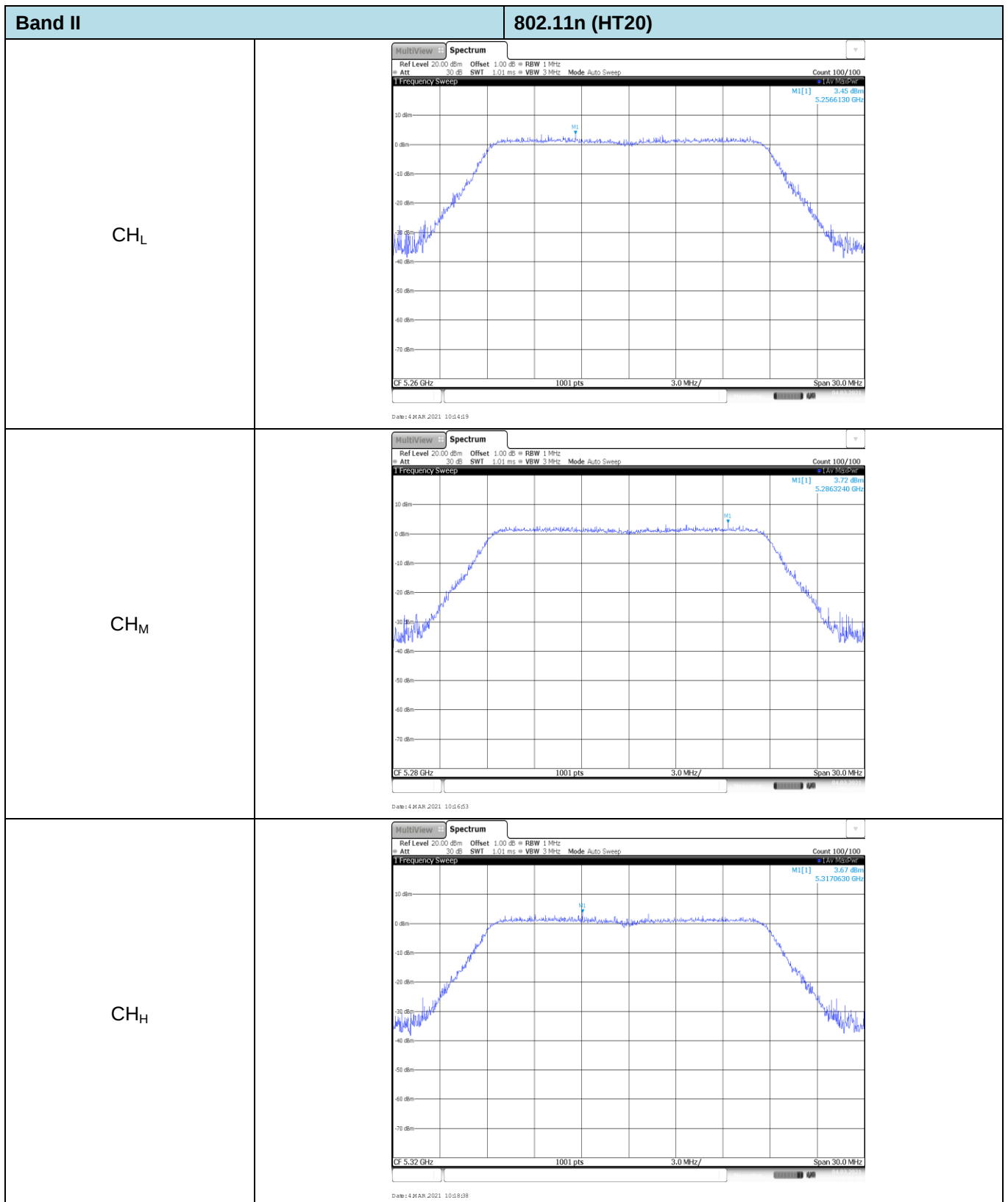


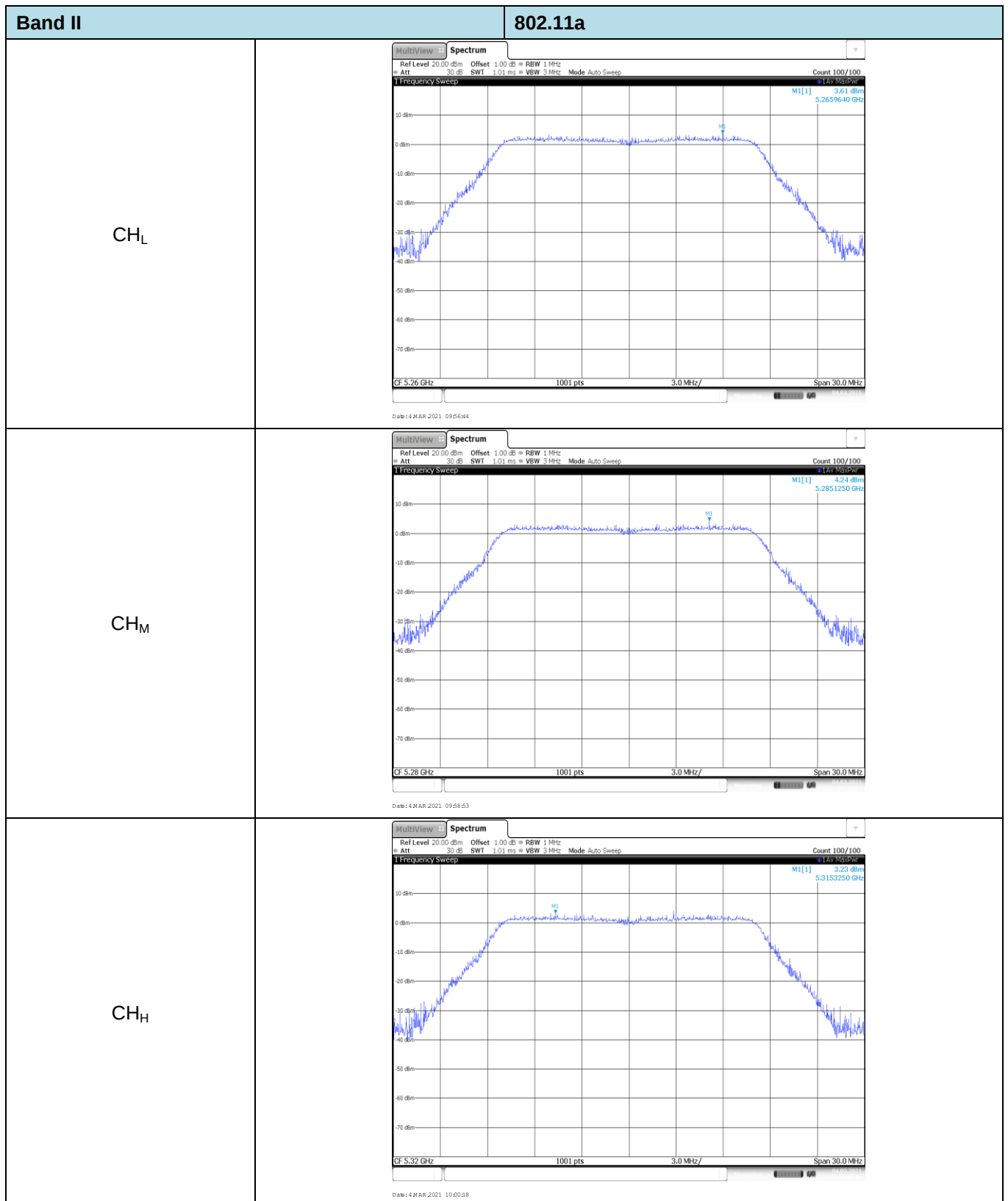




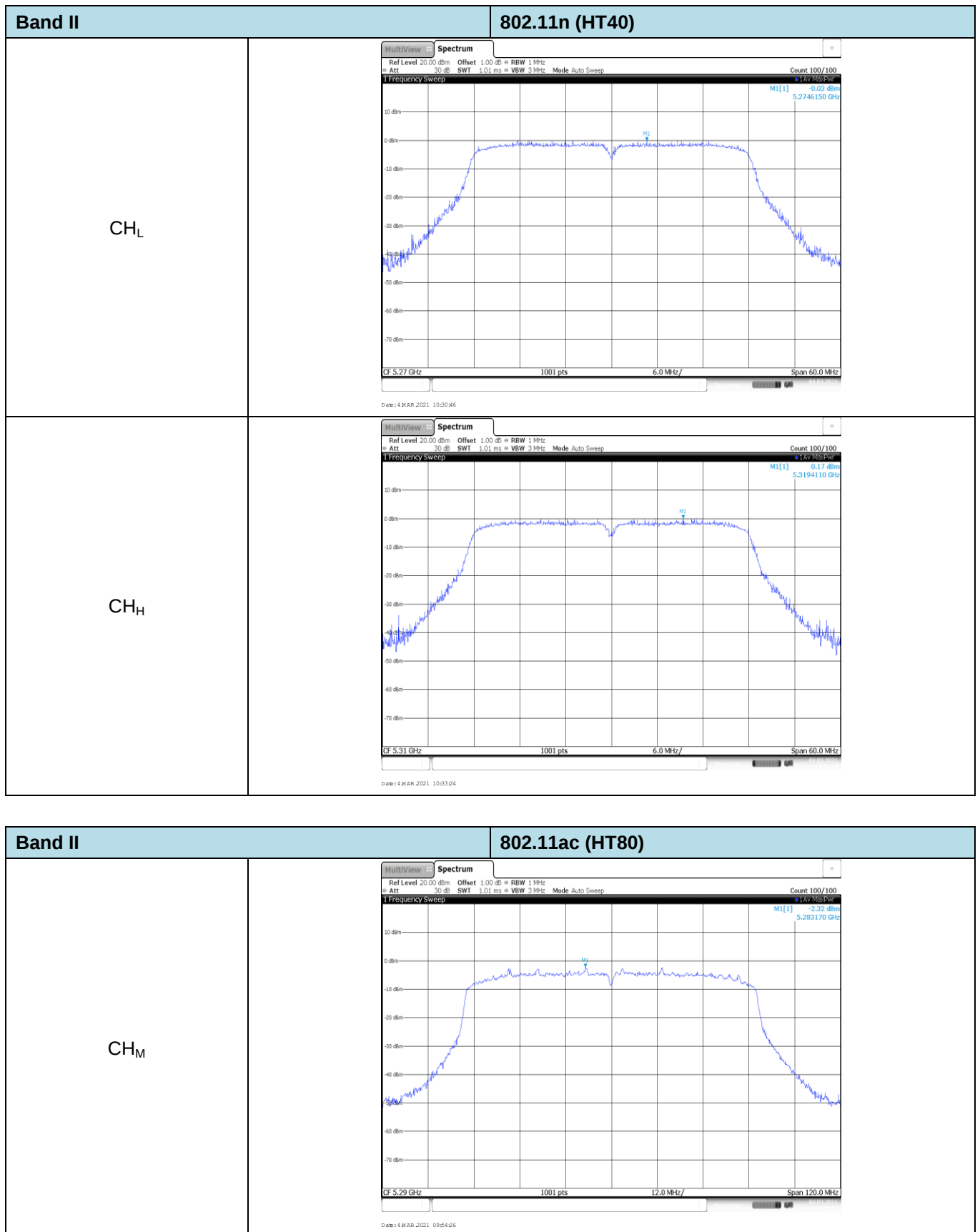


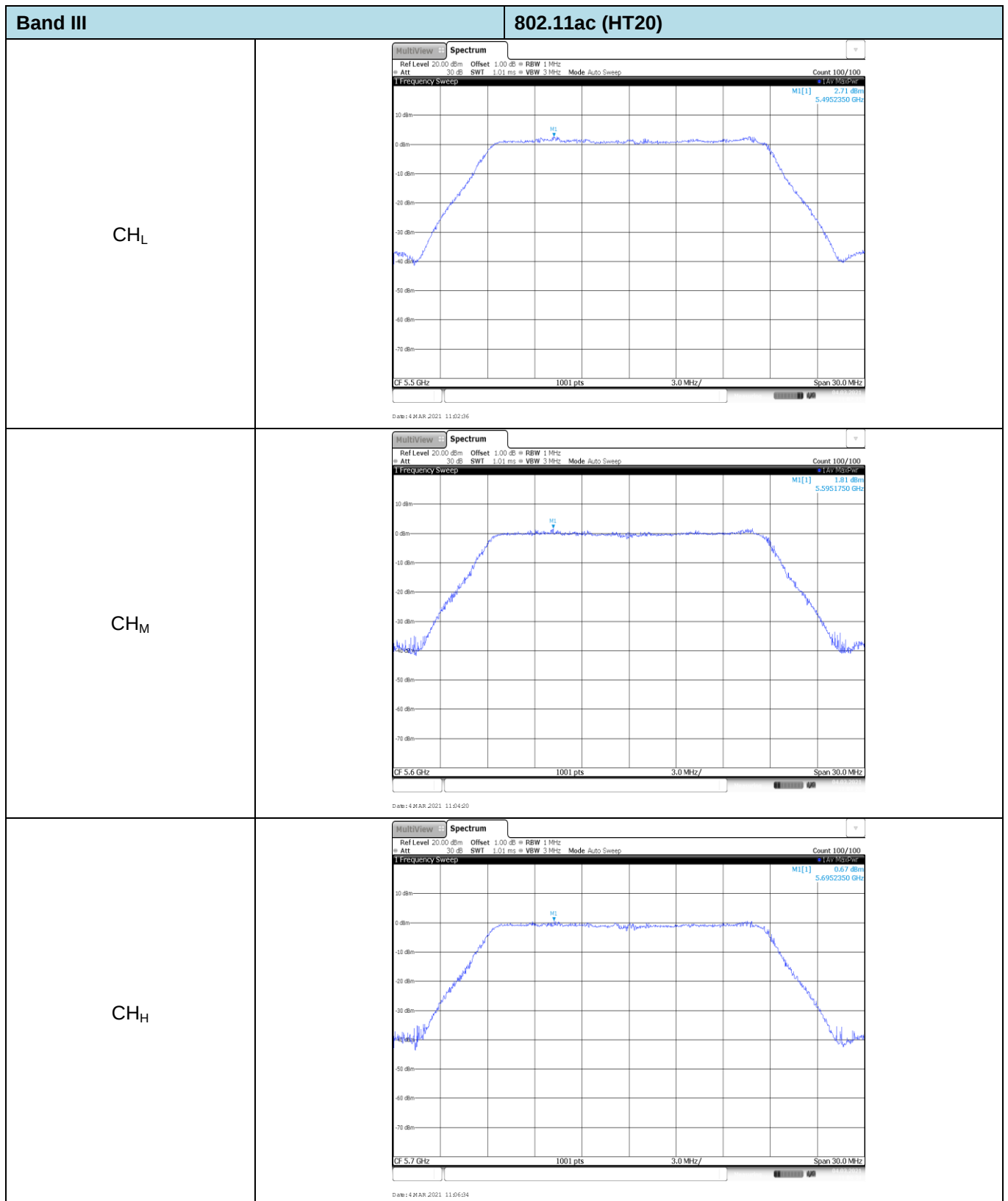


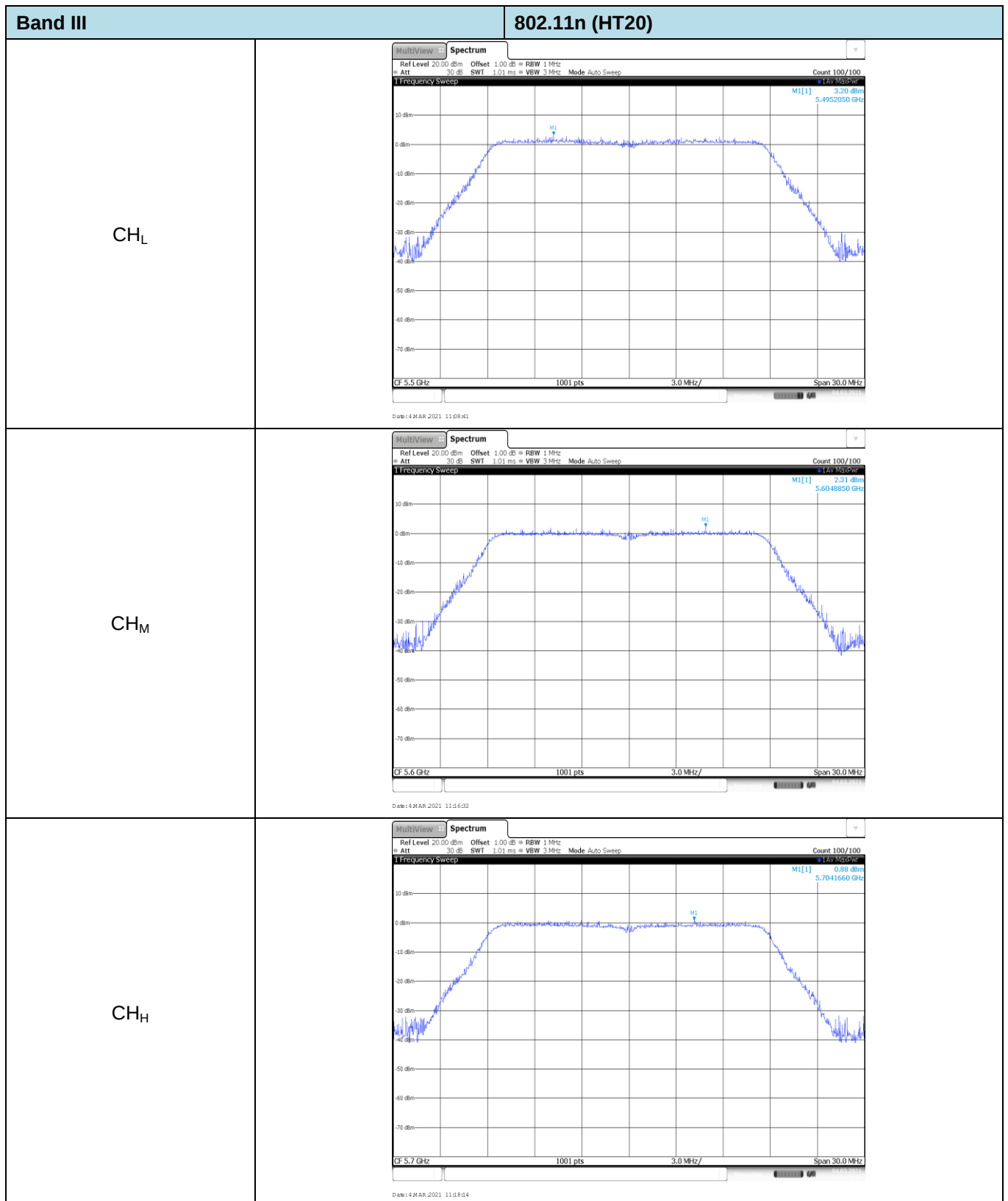




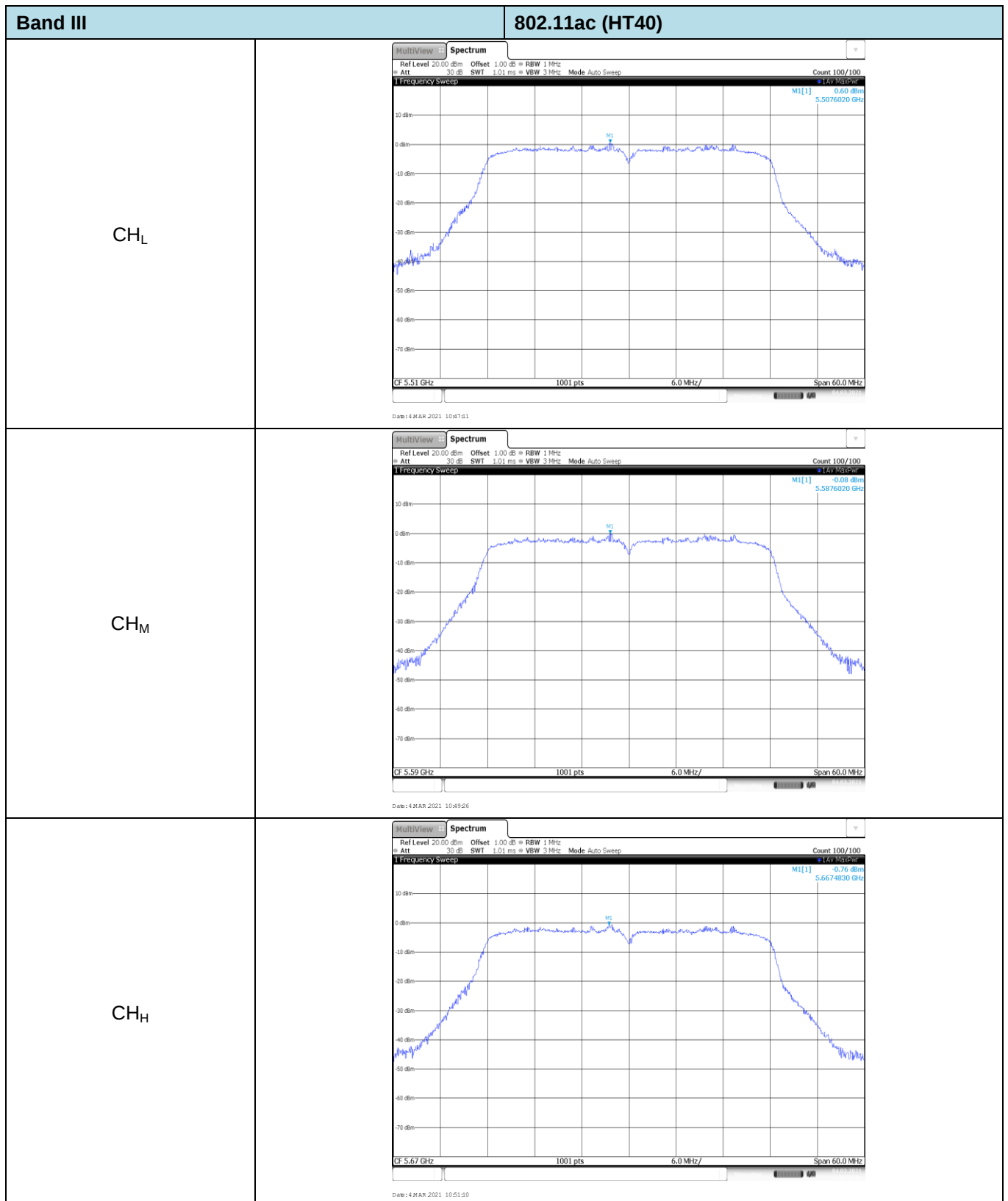
Band II		802.11ac (HT40)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 1 MHz = Att 30 dB SW1 1.01 ms = VBW 3 MHz Mode Auto Sweep Count 100/100 STAT MS/PPW 1 Frequency Sweep MU[1] 0.56 dBm 5.2676620 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.27 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 4/MAR/2021 10:35:28	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB = RBW 1 MHz = Att 30 dB SW1 1.01 ms = VBW 3 MHz Mode Auto Sweep Count 100/100 STAT MS/PPW 1 Frequency Sweep MU[1] 0.71 dBm 5.3076020 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.31 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 4/MAR/2021 10:37:10	

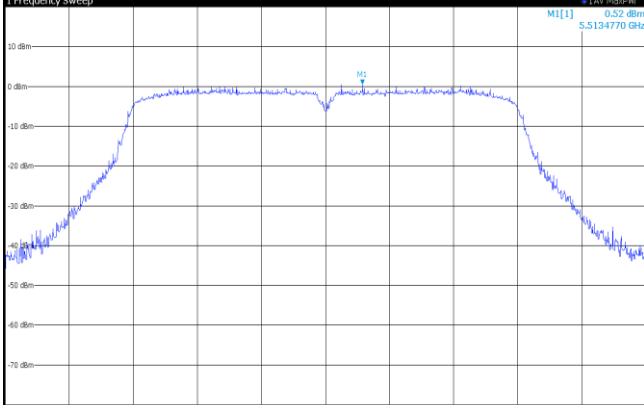
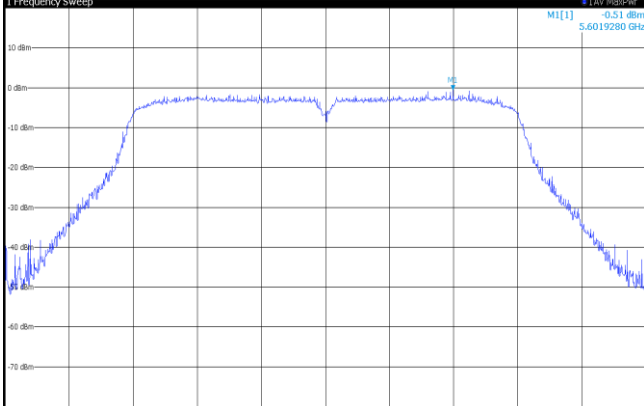
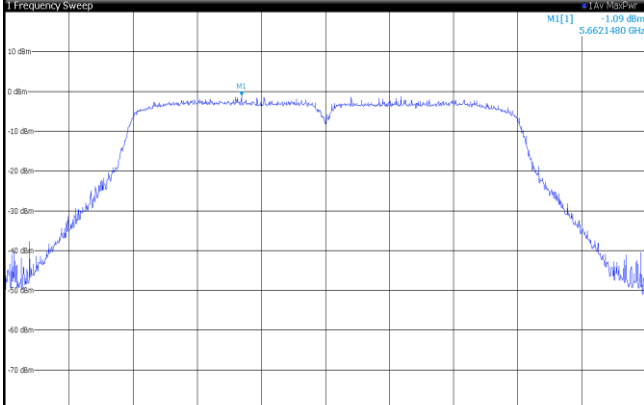


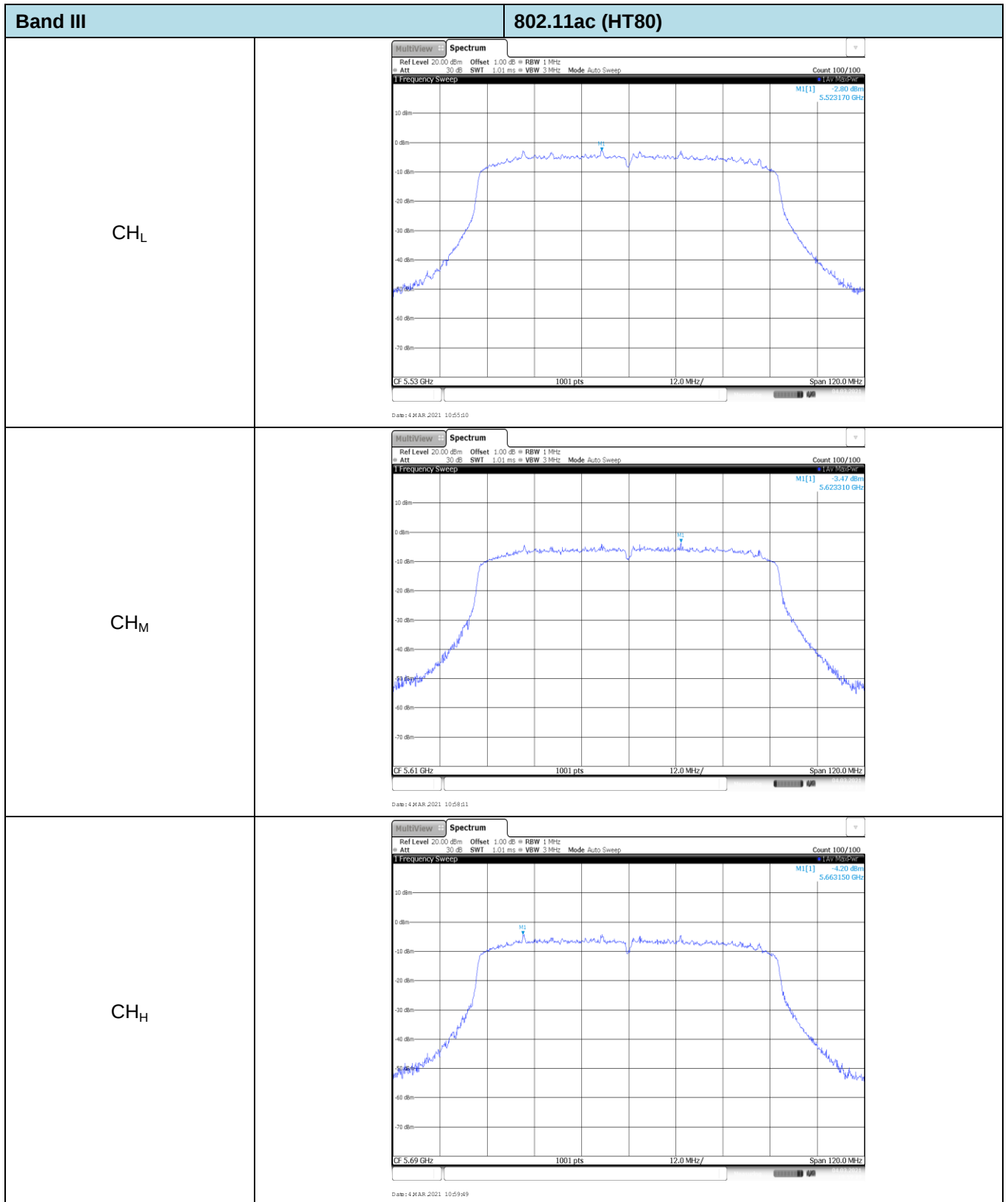


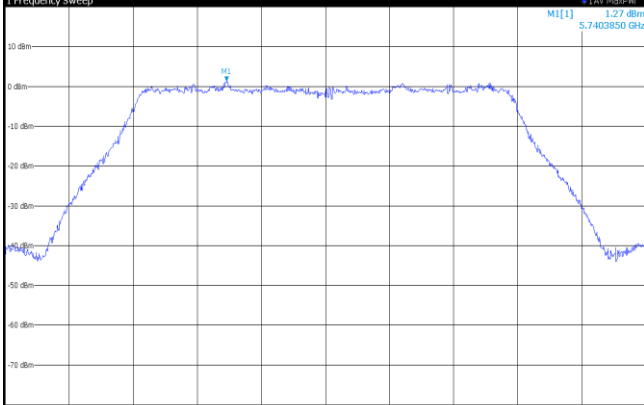
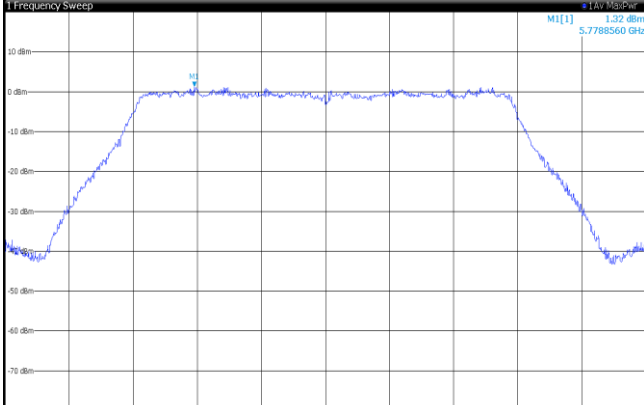
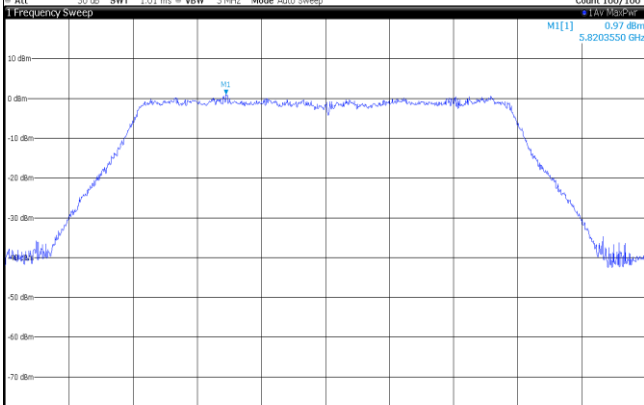


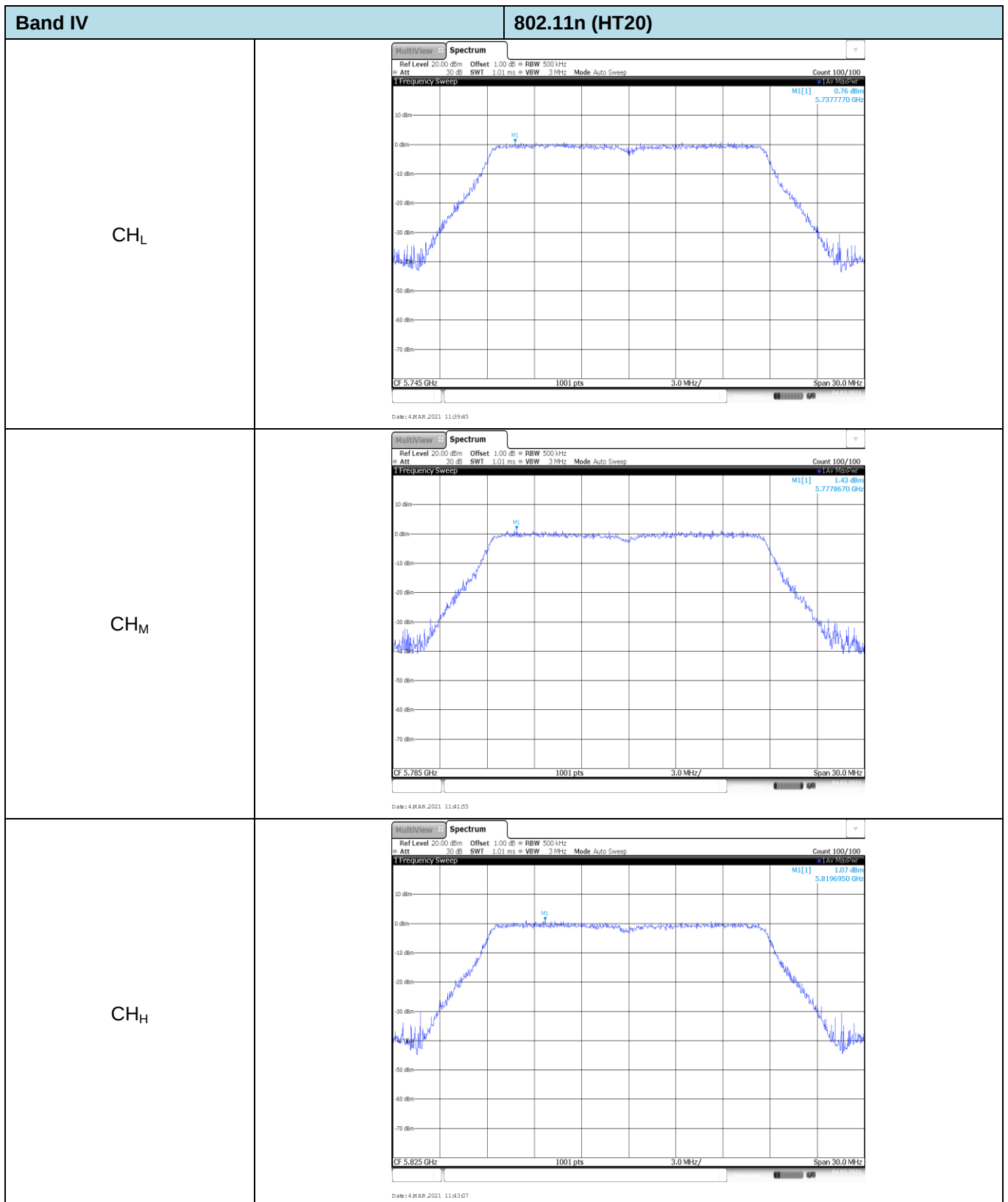
Band III		802.11a
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 3.56 dBm 5.5062040 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.5 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 4/MAR/2021 11:23:47	
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 Frequency Sweep M1[1] 2.39 dBm 5.6051250 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: 4/MAR/2021 11:25:50	
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 Frequency Sweep M1[1] 2.00 dBm 5.7045250 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: 4/MAR/2021 11:28:47	

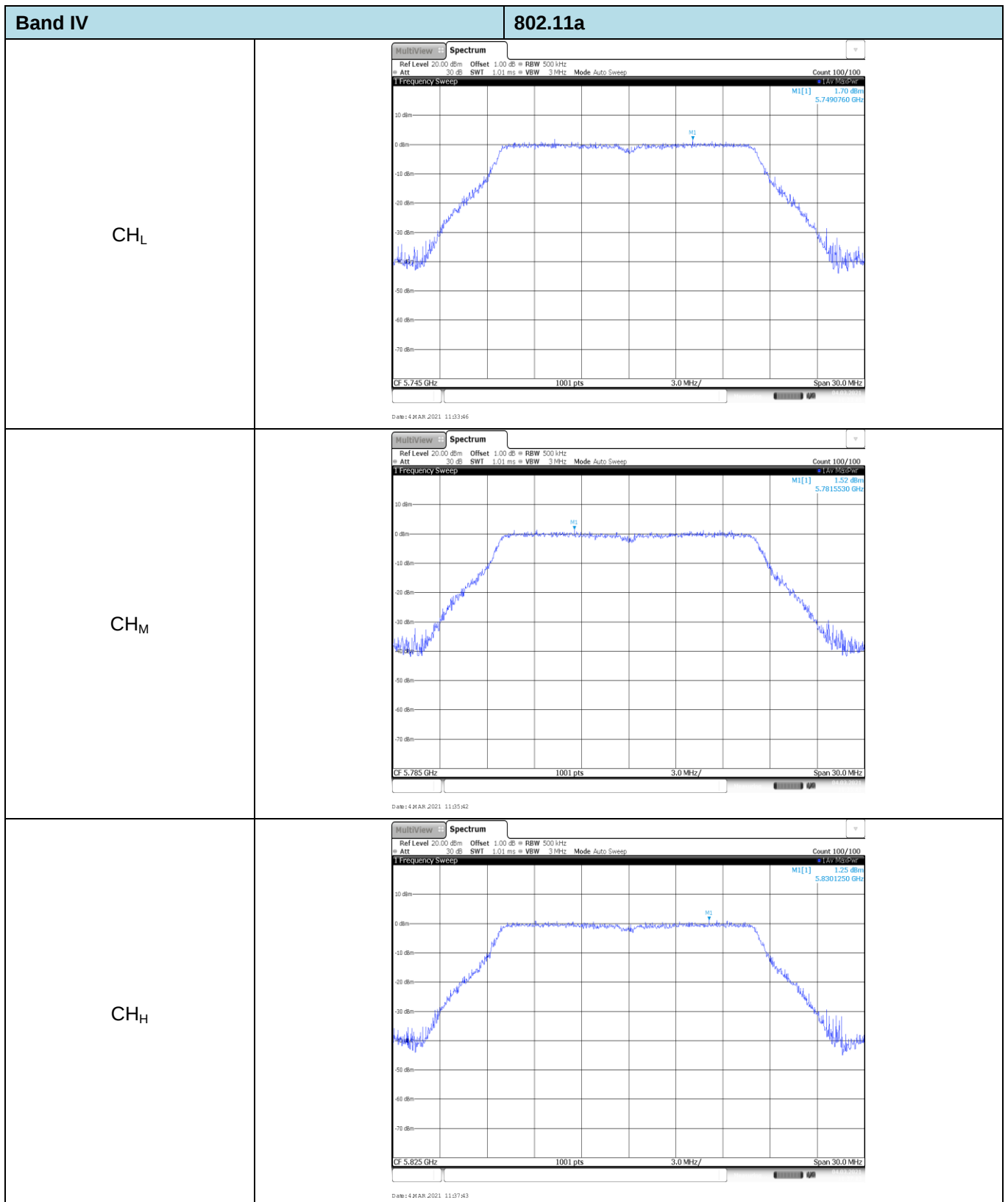


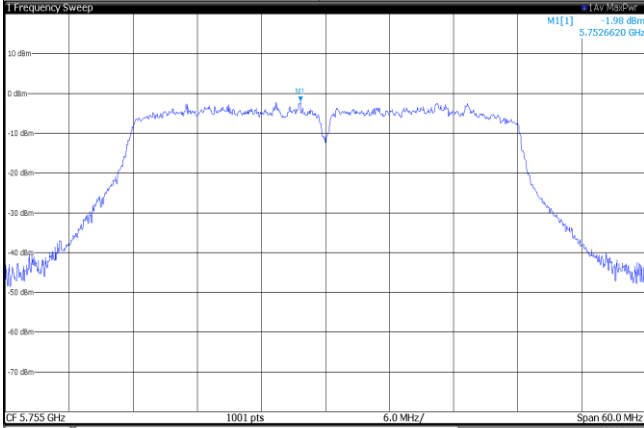
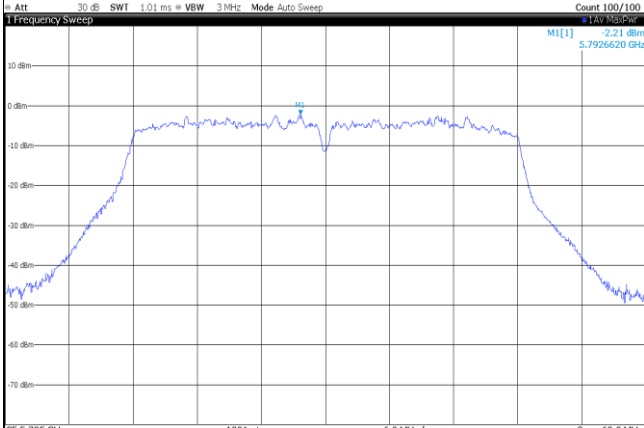
Band III		802.11n (HT40)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 STAT MSOPW Frequency Sweep M1[1] 0.52 dBm 5.5134770 GHz  CF 5.51 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 4/MAR/2021 10:29:45	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 STAT MSOPW Frequency Sweep M1[1] -0.51 dBm 5.6019280 GHz  CF 5.59 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 4/MAR/2021 10:43:29	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 STAT MSOPW Frequency Sweep M1[1] -1.09 dBm 5.6621480 GHz  CF 5.67 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 4/MAR/2021 10:45:25	

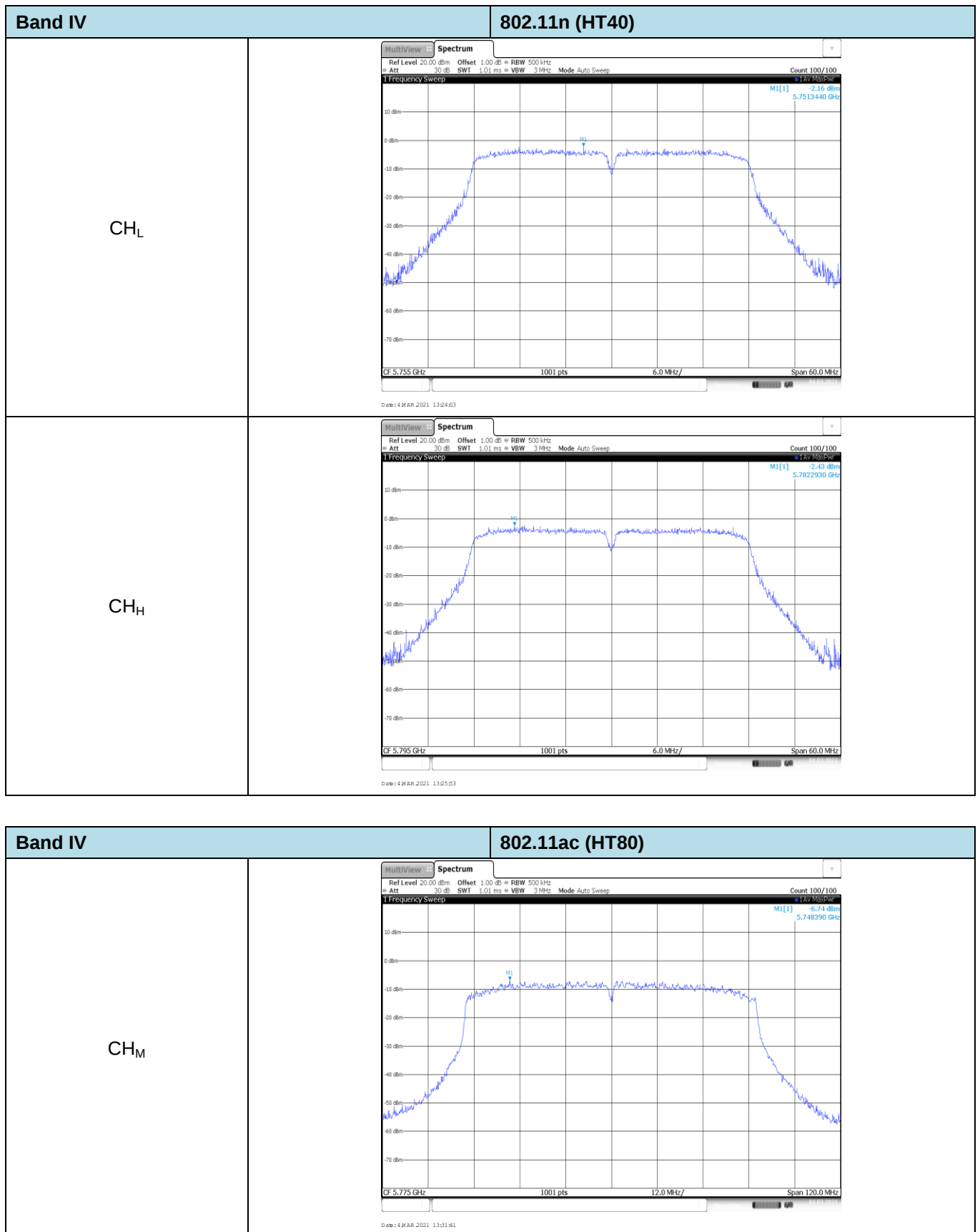


Band IV		802.11ac (HT20)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 STAT MS/PPW Frequency Sweep MU[1] 1.27 dBm 5.7403850 GHz  CF 5.745 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 4/MAR/2021 13d17:30	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 STAT MS/PPW Frequency Sweep MU[1] 1.32 dBm 5.7788560 GHz  CF 5.785 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 4/MAR/2021 13d19:18	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 STAT MS/PPW Frequency Sweep MU[1] 0.97 dBm 5.8203550 GHz  CF 5.825 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 4/MAR/2021 13d20:28	





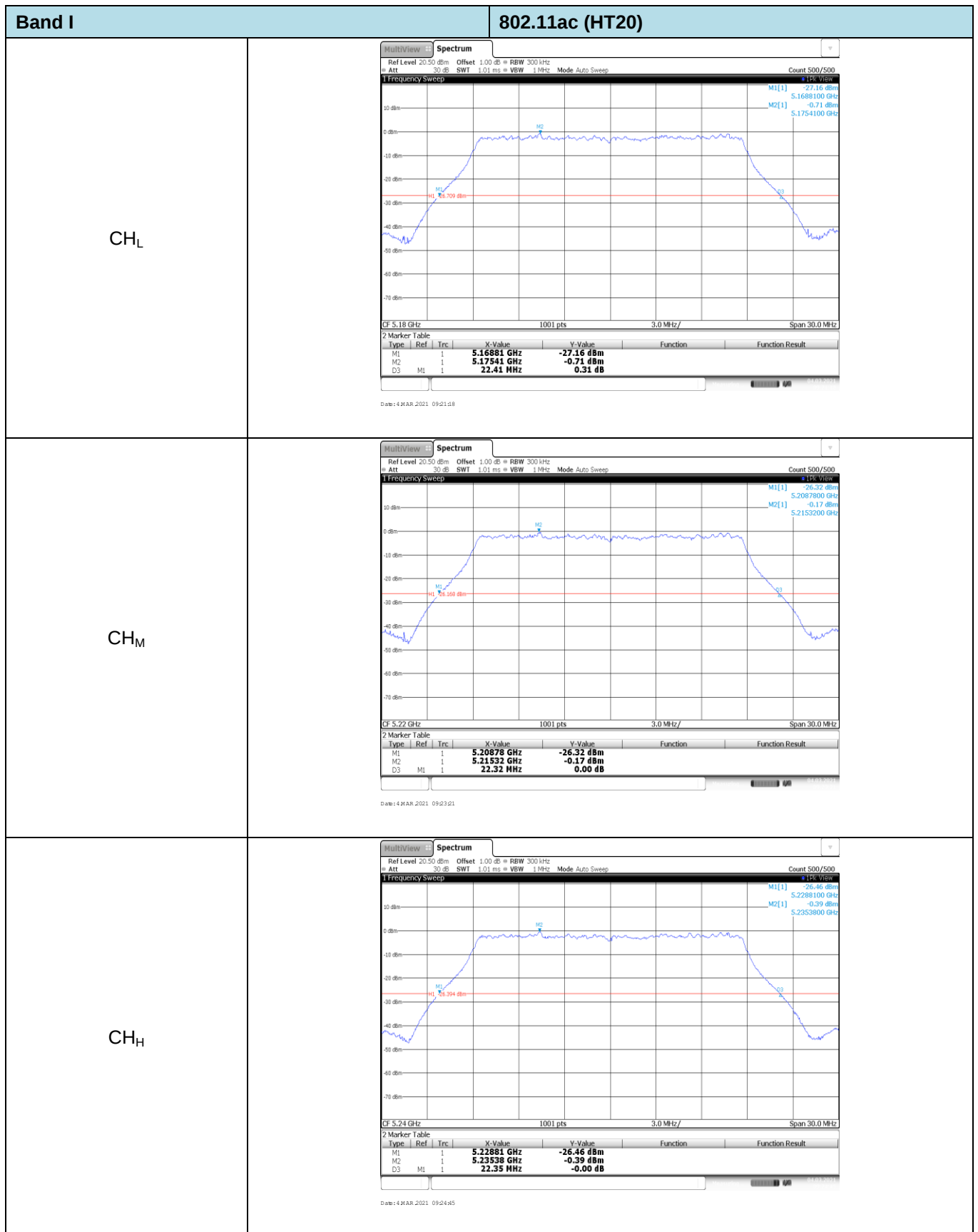
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CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SW1 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep  CF 5.755 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 4/MAR/2021 13:27:46	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SW1 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep  CF 5.795 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 4/MAR/2021 13:29:15	



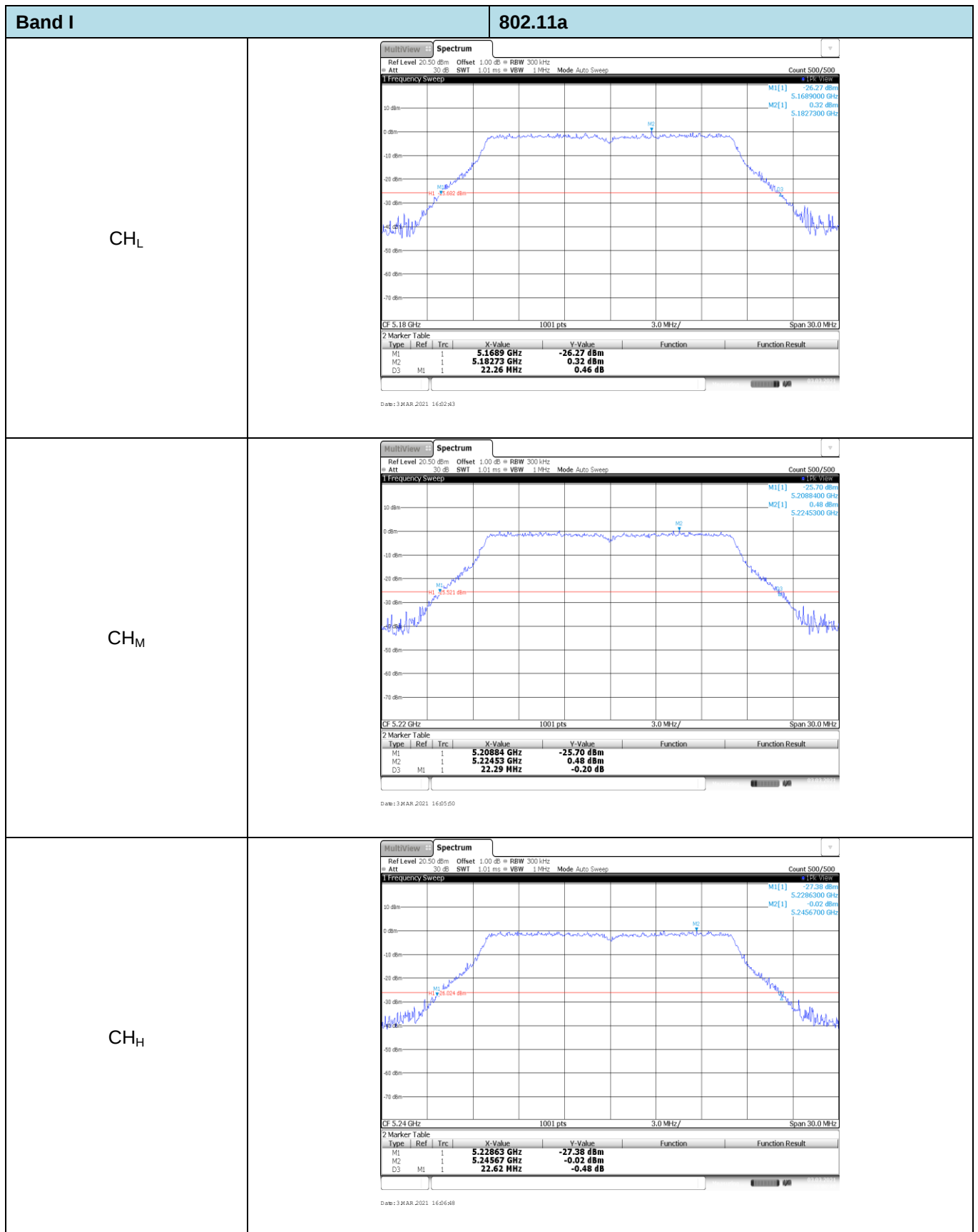
Appendix C: 26dB bandwidth

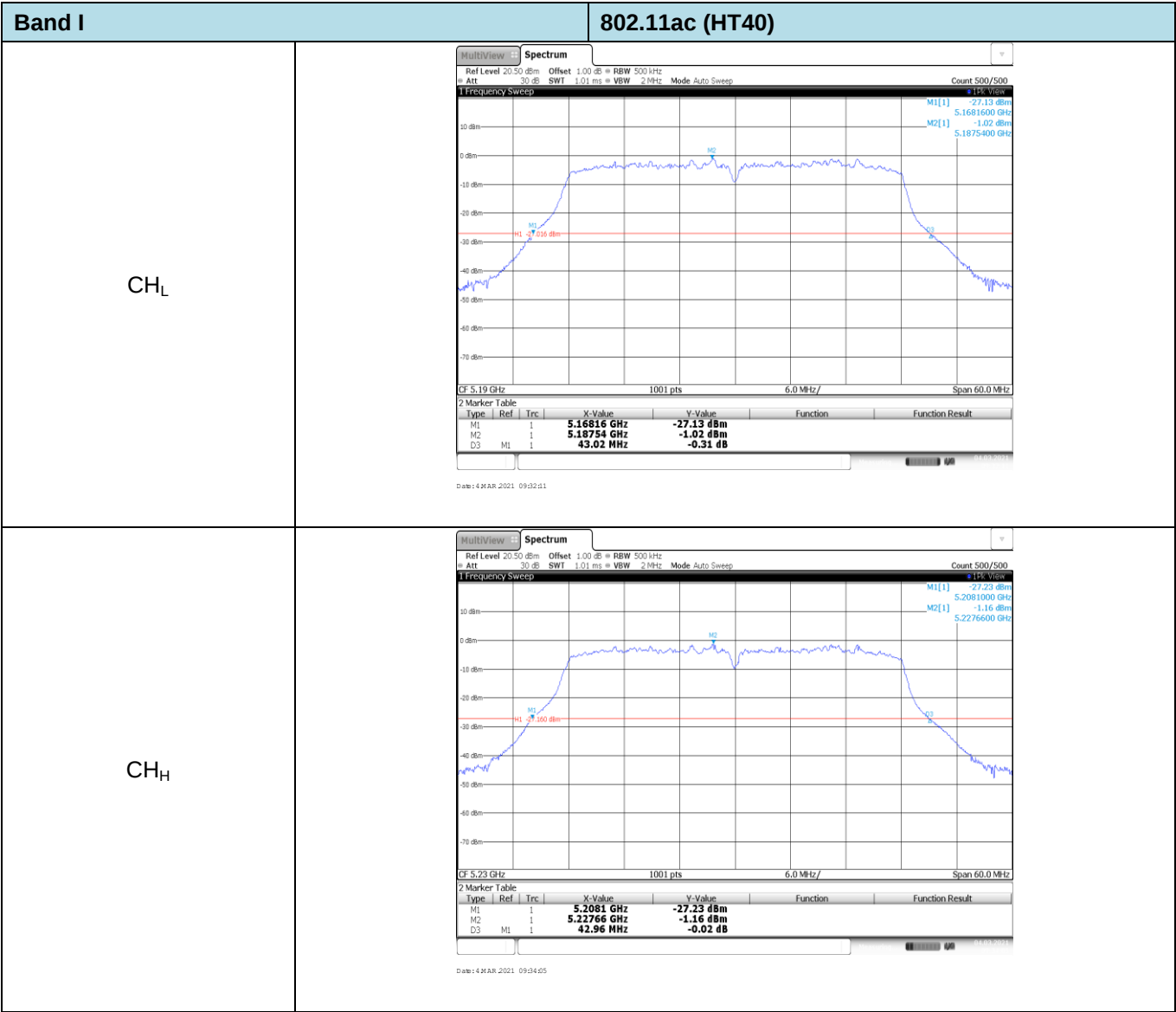
Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
I	20	802.11ac	CH _L	22.41	Pass
			CH _M	22.32	
			CH _H	22.35	
		802.11n	CH _L	22.83	Pass
			CH _M	22.59	
			CH _H	22.86	
		802.11a	CH _L	22.26	Pass
			CH _M	22.29	
			CH _H	22.62	
	40	802.11ac	CH _L	43.02	Pass
			CH _H	42.96	
		802.11n	CH _L	43.44	Pass
			CH _H	44.34	
	80	802.11ac	CH _M	84.36	Pass
II	20	802.11ac	CH _L	22.44	Pass
			CH _M	22.32	
			CH _H	22.26	
		802.11n	CH _L	22.98	Pass
			CH _M	23.01	
			CH _H	23.04	
		802.11a	CH _L	22.32	Pass
			CH _M	22.35	
			CH _H	22.41	
	40	802.11ac	CH _L	43.02	Pass
			CH _H	43.14	
		802.11n	CH _L	44.34	Pass
			CH _H	44.04	
	80	802.11ac	CH _M	84.48	Pass

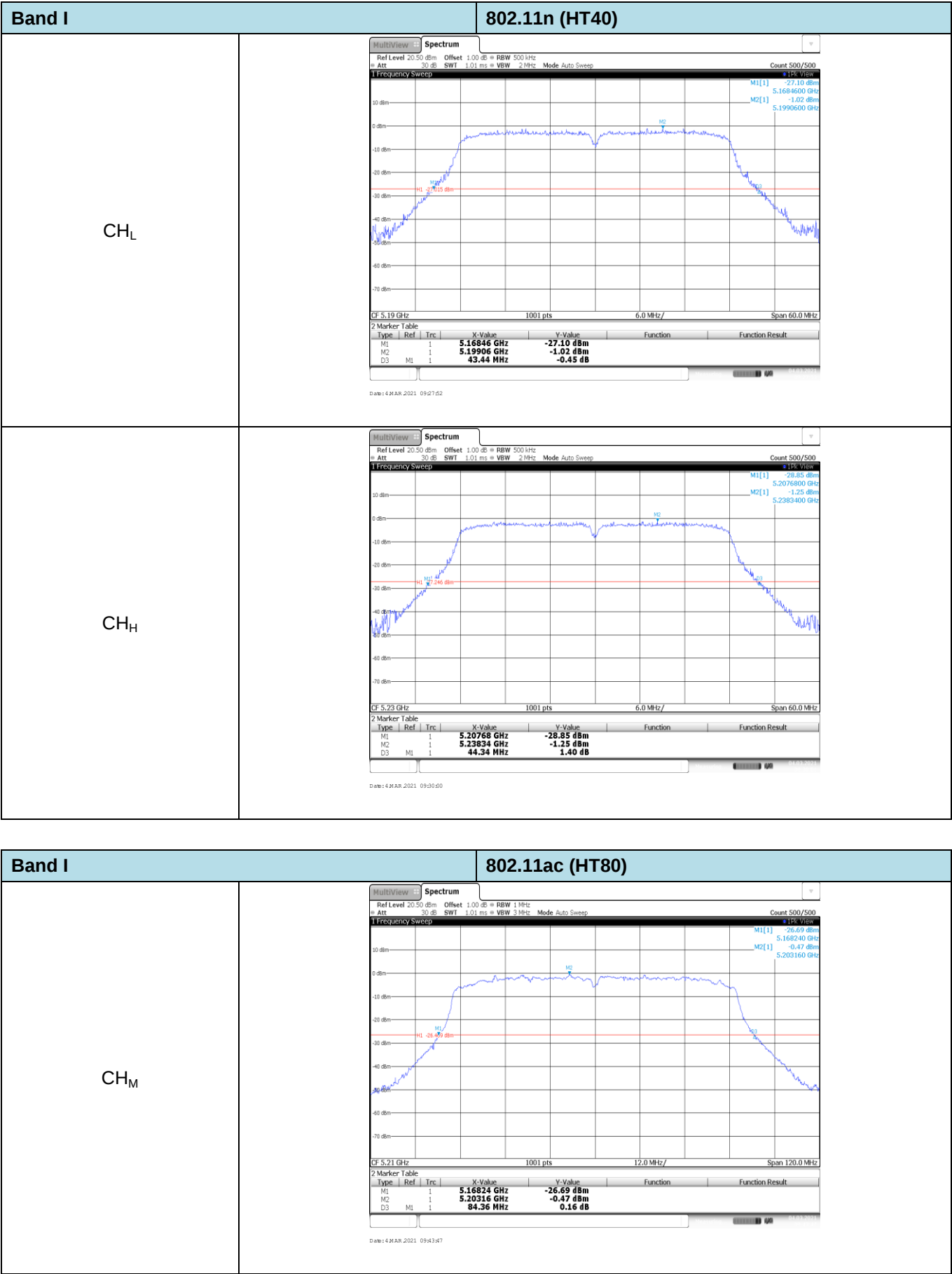
Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
III	20	802.11ac	CH _L	22.35	Pass
			CH _M	22.26	
			CH _H	22.26	
		802.11n	CH _L	22.68	Pass
			CH _M	22.83	
			CH _H	22.65	
		802.11a	CH _L	22.38	Pass
			CH _M	22.41	
			CH _H	22.32	
	40	802.11ac	CH _L	43.02	Pass
			CH _M	43.08	
			CH _H	42.90	
		802.11n	CH _L	43.80	Pass
			CH _M	43.98	
			CH _H	43.68	
	80	802.11ac	CH _L	84.36	Pass
			CH _M	84.60	
			CH _H	84.72	

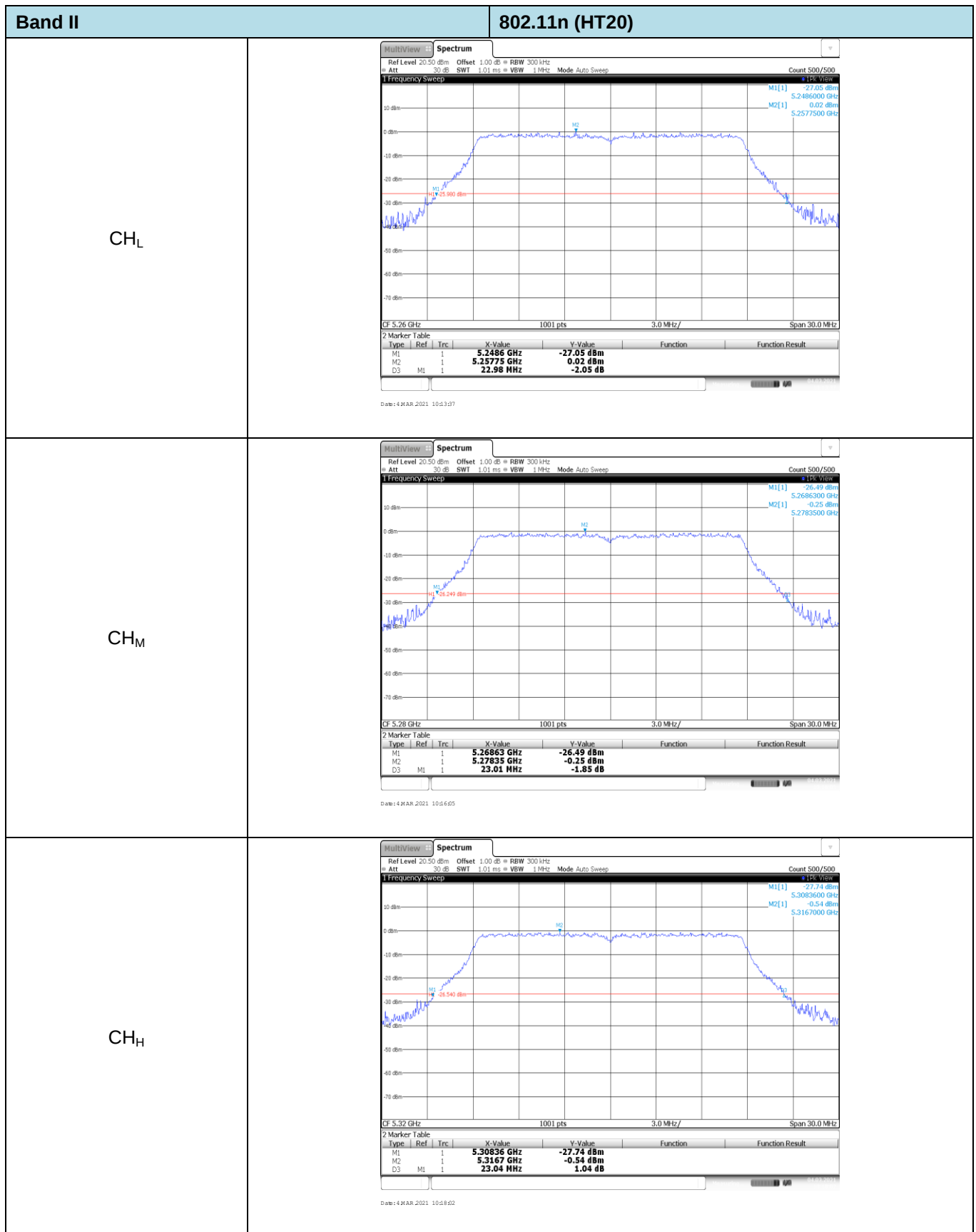


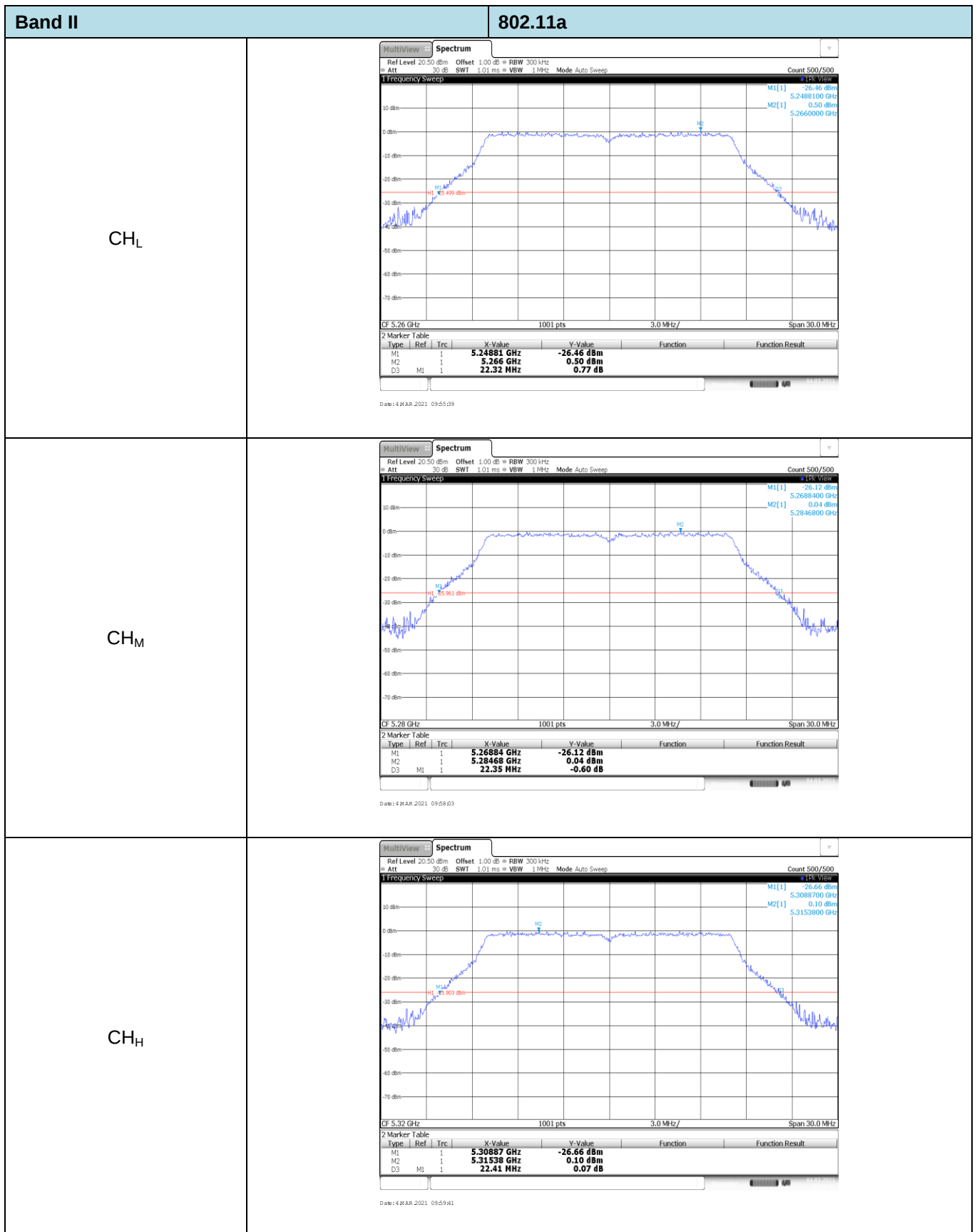
Band I		802.11n (HT20)
CH _L		

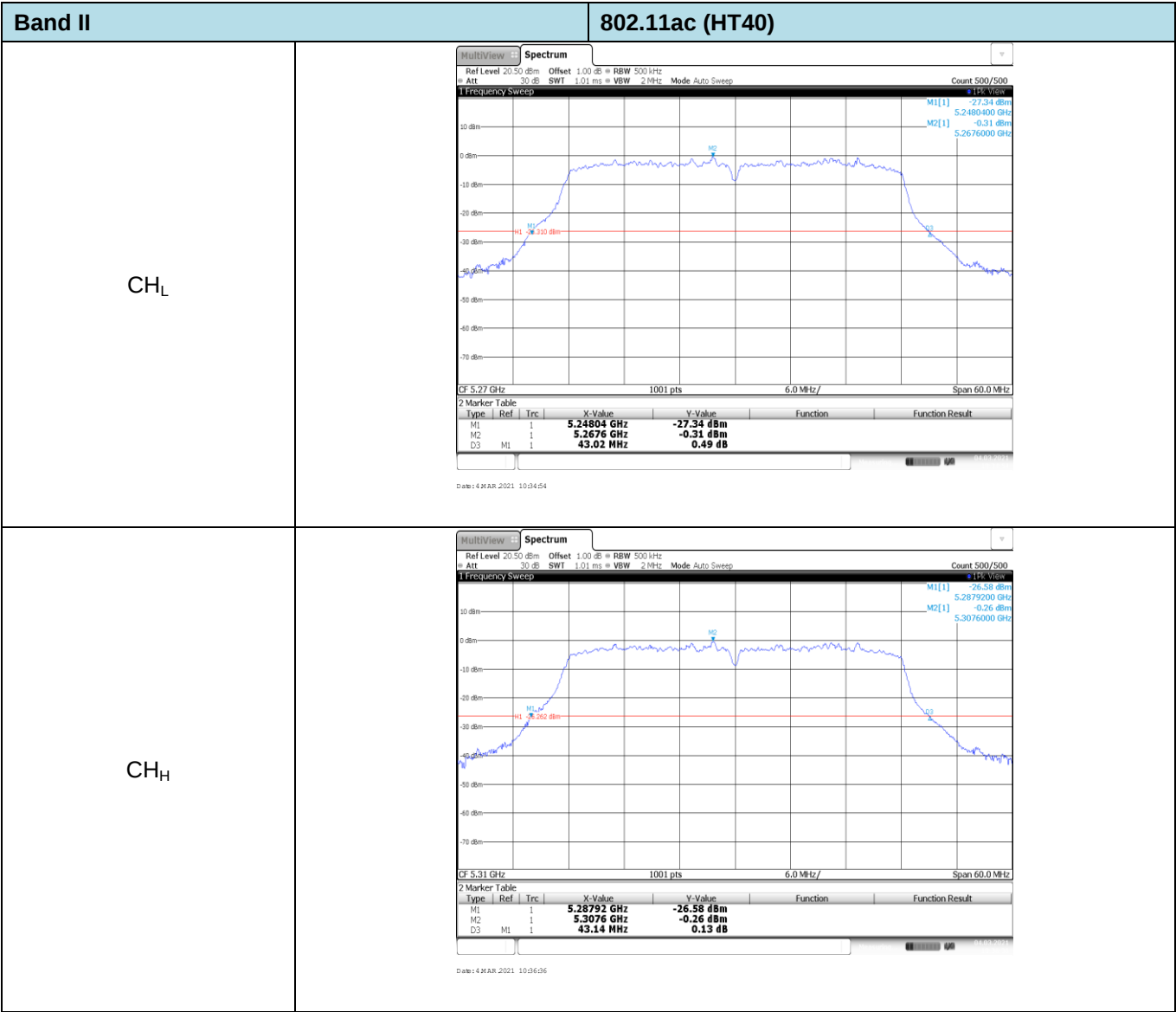






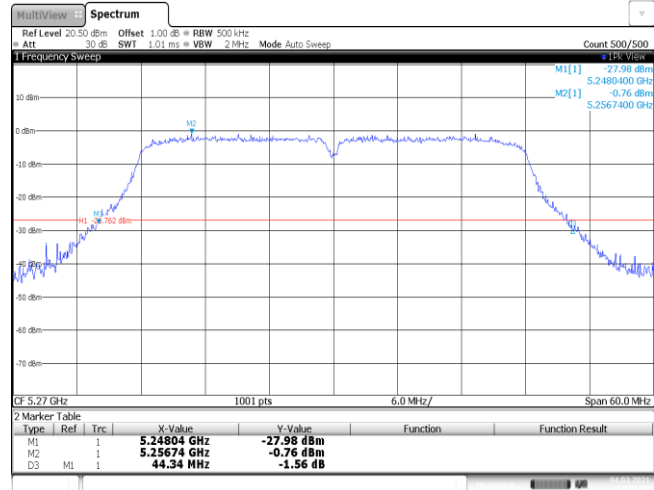




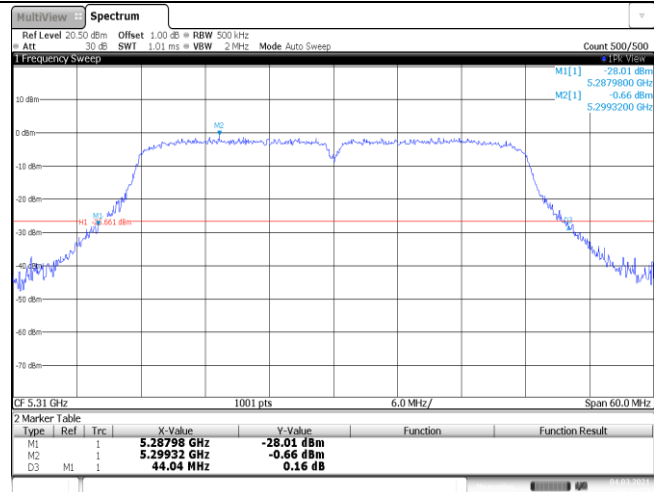


Band II

802.11n (HT40)

CH_L

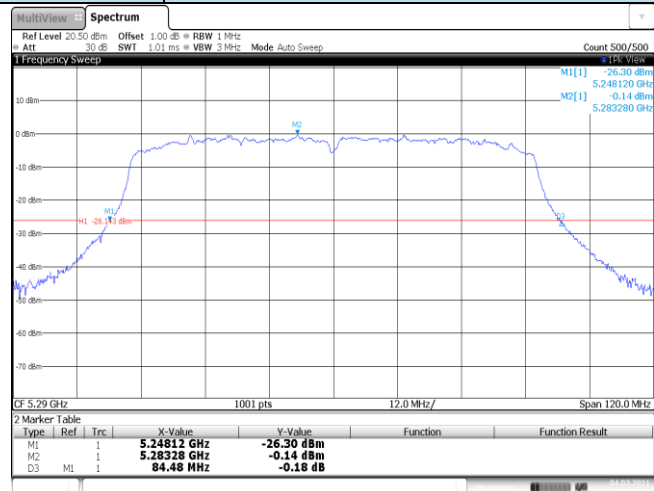
Date: 4 MAR 2021 10:29:50

CH_H

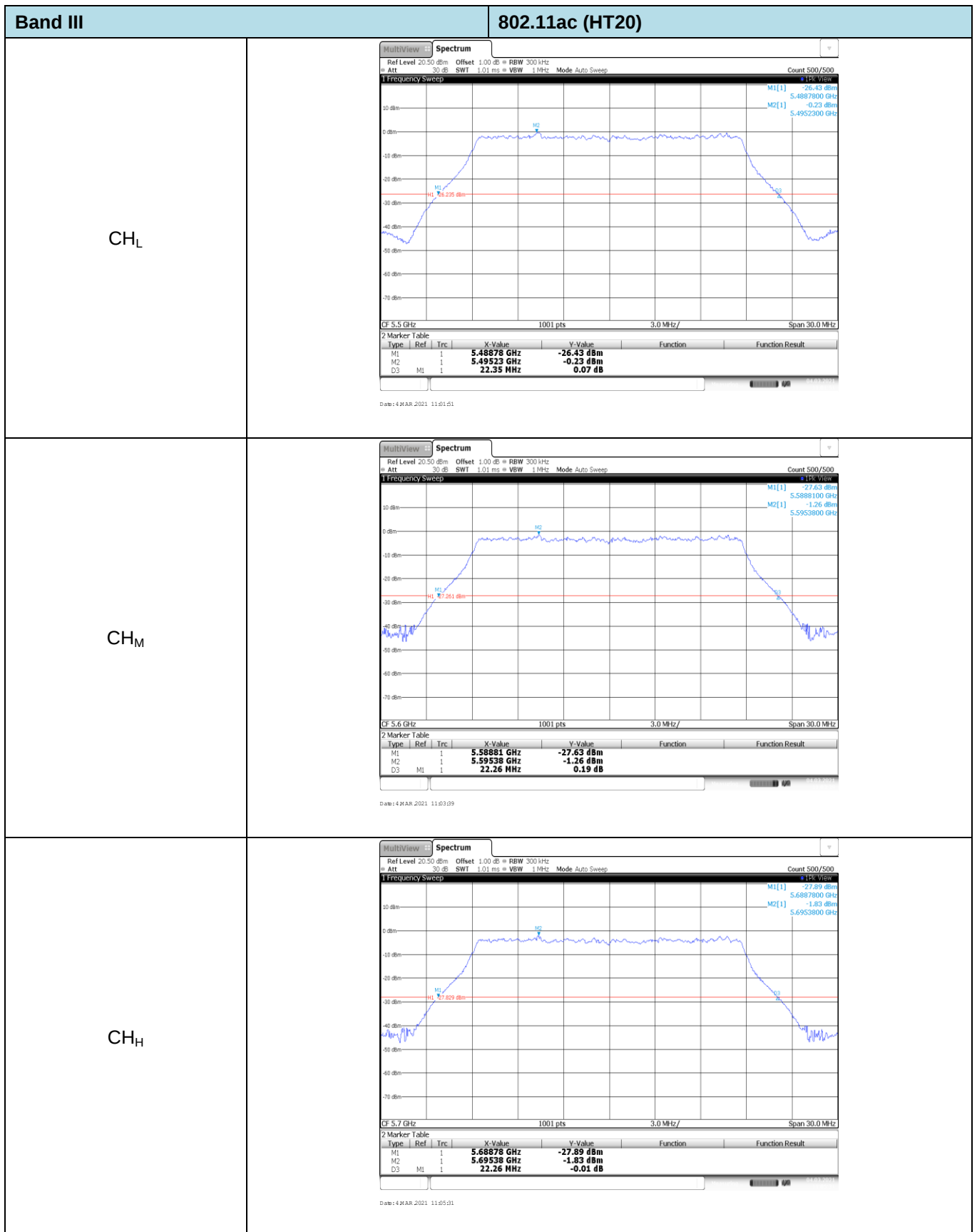
Date: 4 MAR 2021 10:32:53

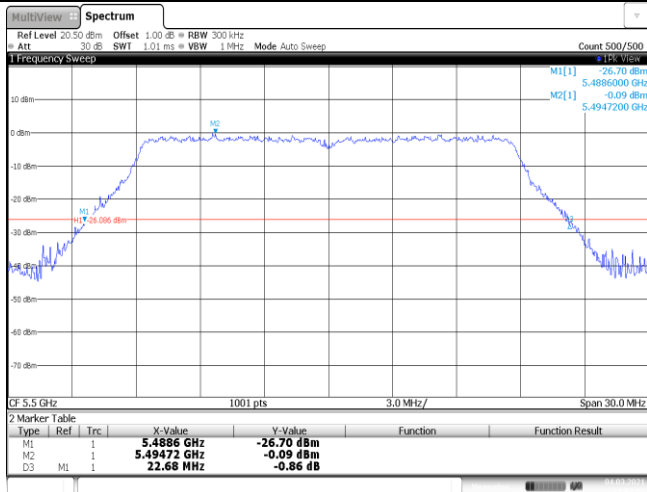
Band II

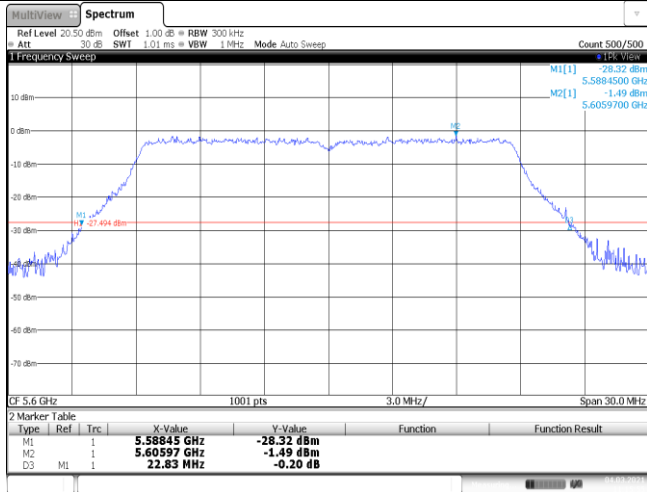
802.11ac (HT80)

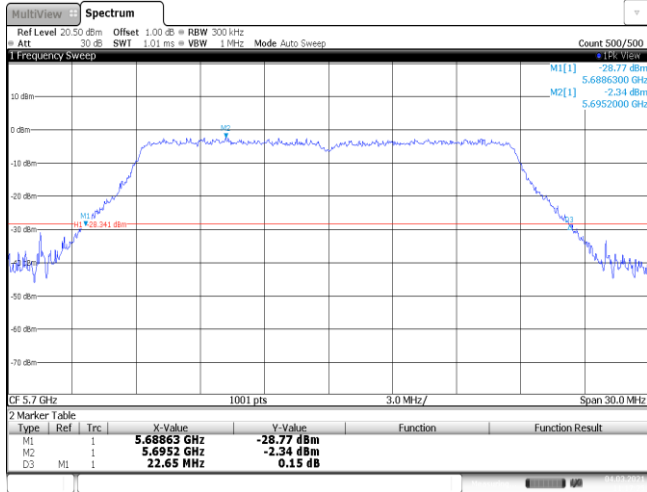
CH_M

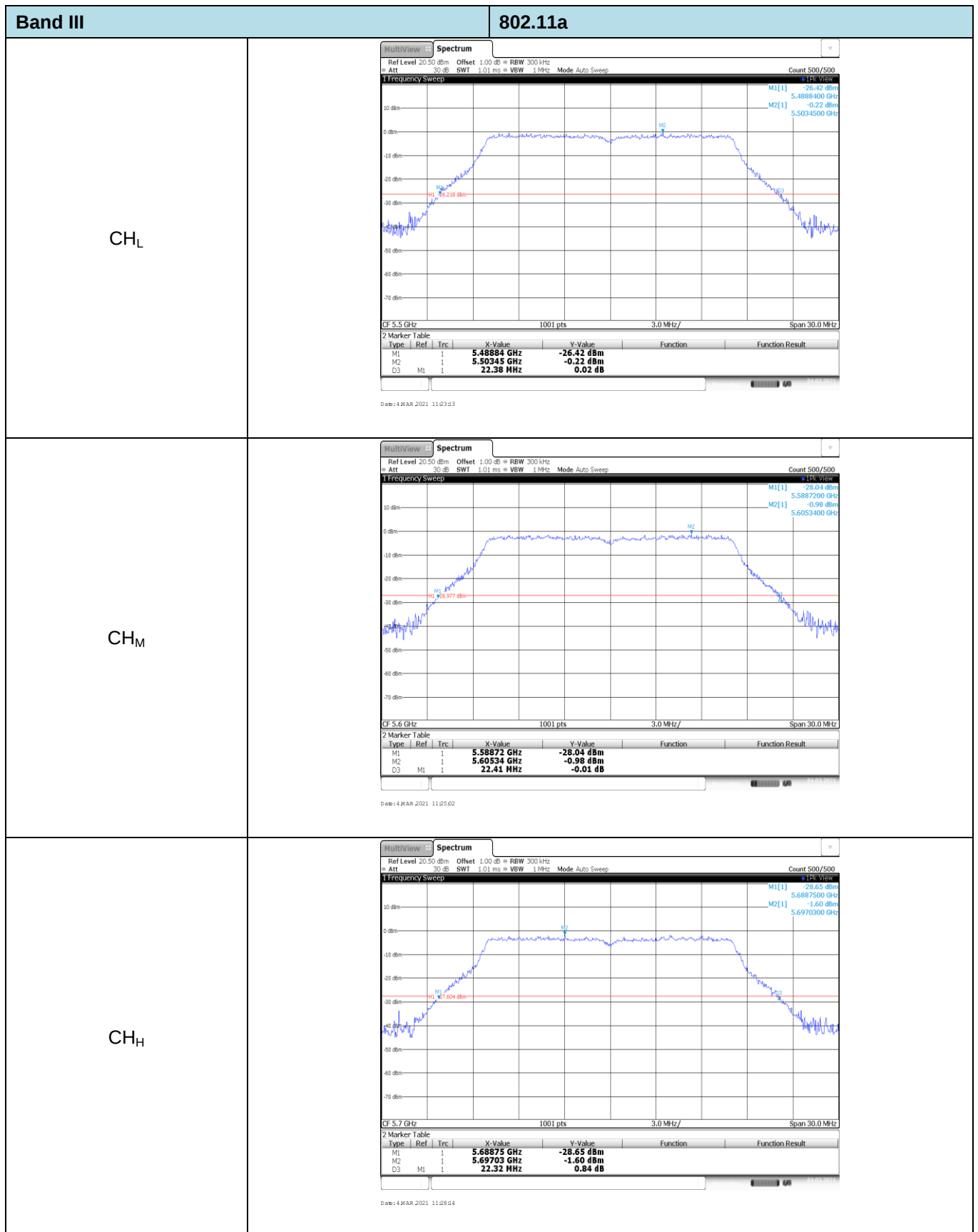
Date: 4 MAR 2021 09:53:09

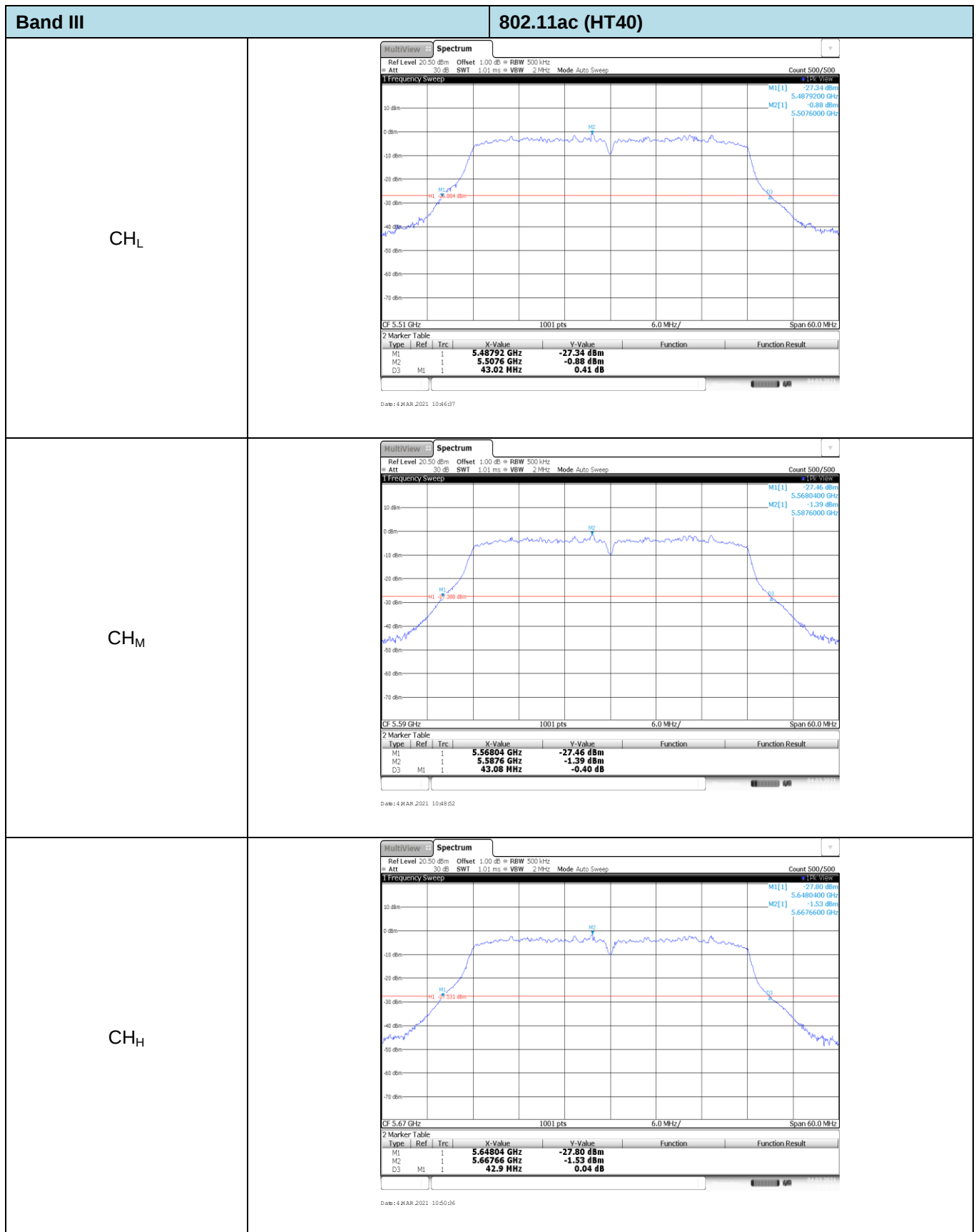


Band III		802.11n (HT20)																												
CH _L	 Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz ATT 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1 [1] -25.70 dBm M2 [1] 5.4886000 GHz M2 [1] -0.09 dBm M2 [1] 5.4947200 GHz CF 5.5 GHz 1001 pts 3.0 MHz/ Span 30.0 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>5.4886 GHz</td><td>-25.70 dBm</td><td></td><td></td></tr> <tr> <td>M2</td><td>1</td><td></td><td>5.49472 GHz</td><td>-0.09 dBm</td><td></td><td></td></tr> <tr> <td>D3</td><td>M1</td><td>1</td><td>22.68 MHz</td><td>-0.86 dB</td><td></td><td></td></tr> </table> Date: 4 MAR 2021 11:07:56		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.4886 GHz	-25.70 dBm			M2	1		5.49472 GHz	-0.09 dBm			D3	M1	1	22.68 MHz	-0.86 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		5.4886 GHz	-25.70 dBm																										
M2	1		5.49472 GHz	-0.09 dBm																										
D3	M1	1	22.68 MHz	-0.86 dB																										

CH _M	 Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz ATT 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1 [1] -28.32 dBm M2 [1] 5.5884500 GHz M2 [1] -1.49 dBm M2 [1] 5.6059700 GHz CF 5.6 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>5.58845 GHz</td><td>-28.32 dBm</td><td></td><td></td></tr> <tr> <td>M2</td><td>1</td><td></td><td>5.60597 GHz</td><td>-1.49 dBm</td><td></td><td></td></tr> <tr> <td>D3</td><td>M1</td><td>1</td><td>22.83 MHz</td><td>-0.20 dB</td><td></td><td></td></tr> </table> Date: 4 MAR 2021 11:05:56		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.58845 GHz	-28.32 dBm			M2	1		5.60597 GHz	-1.49 dBm			D3	M1	1	22.83 MHz	-0.20 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		5.58845 GHz	-28.32 dBm																										
M2	1		5.60597 GHz	-1.49 dBm																										
D3	M1	1	22.83 MHz	-0.20 dB																										

CH _H	 Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz ATT 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1 [1] -28.77 dBm M2 [1] 5.6886300 GHz M2 [1] -2.34 dBm M2 [1] 5.6952000 GHz CF 5.7 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>5.68863 GHz</td><td>-28.77 dBm</td><td></td><td></td></tr> <tr> <td>M2</td><td>1</td><td></td><td>5.6952 GHz</td><td>-2.34 dBm</td><td></td><td></td></tr> <tr> <td>D3</td><td>M1</td><td>1</td><td>22.65 MHz</td><td>0.15 dB</td><td></td><td></td></tr> </table> Date: 4 MAR 2021 11:07:25		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.68863 GHz	-28.77 dBm			M2	1		5.6952 GHz	-2.34 dBm			D3	M1	1	22.65 MHz	0.15 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																								
M1	1		5.68863 GHz	-28.77 dBm																										
M2	1		5.6952 GHz	-2.34 dBm																										
D3	M1	1	22.65 MHz	0.15 dB																										





Band III

802.11n (HT40)

CH_L

Ref Level 20.50 dBm Offset 1.00 dB BW 500 kHz
ATT 30 dB SWT 1.01 ms VBW 2 MHz Mode Auto Sweep
Count 500/500

1 Frequency Sweep

2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		5.48816 GHz	-26.60 dBm		
M2	1		5.50082 GHz	-0.42 dBm		
D3	M1	1	43.8 MHz	0.05 dB		

Date: 4 MAR 2021 10:59:13

CH_M

Ref Level 20.50 dBm Offset 1.00 dB BW 500 kHz
ATT 30 dB SWT 1.01 ms VBW 2 MHz Mode Auto Sweep
Count 500/500

1 Frequency Sweep

2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		5.5678 GHz	-31.34 dBm		
M2	1		5.5831 GHz	-1.27 dBm		
D3	M1	1	43.98 MHz	3.94 dB		

Date: 4 MAR 2021 10:43:07

CH_H

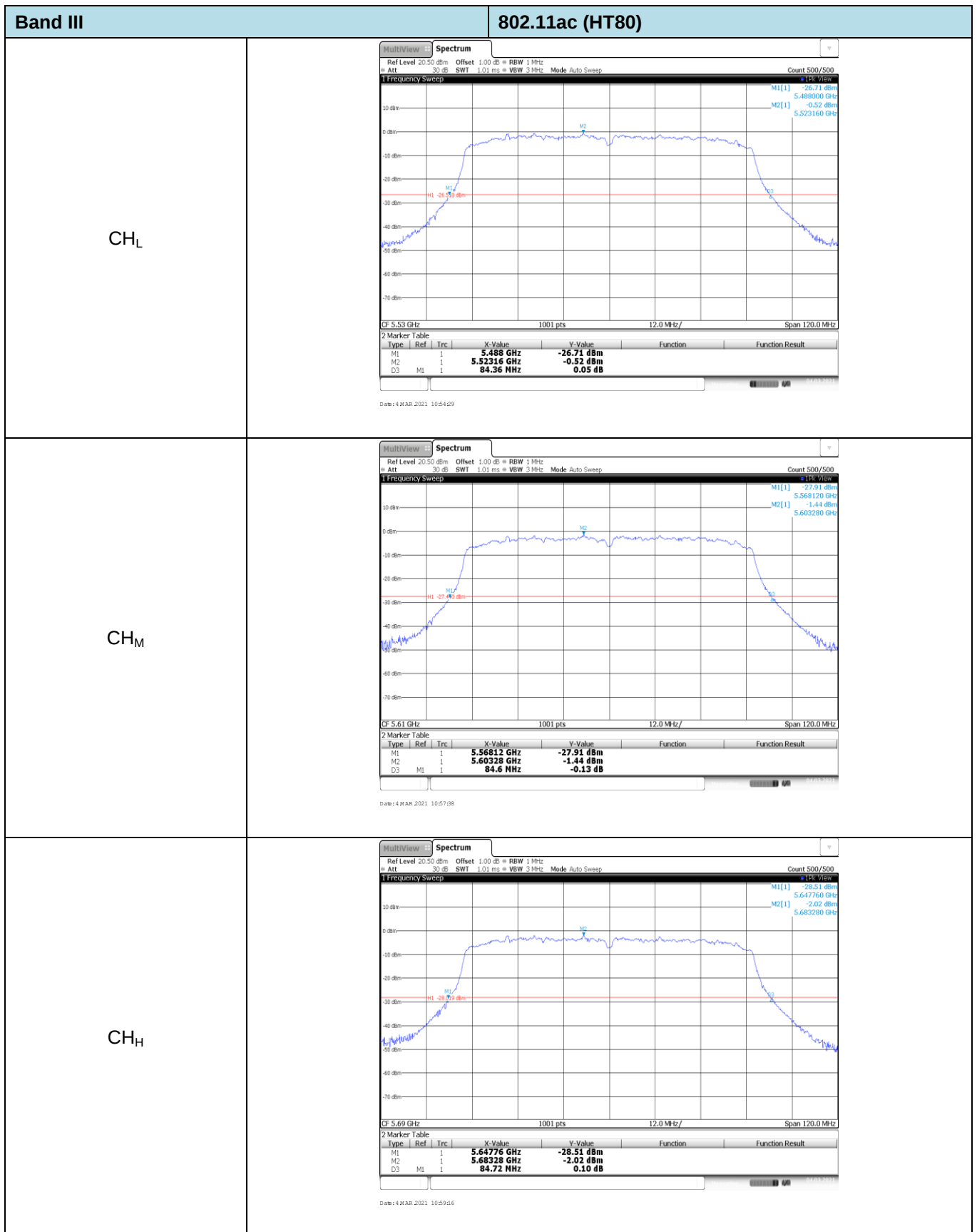
Ref Level 20.50 dBm Offset 1.00 dB BW 500 kHz
ATT 30 dB SWT 1.01 ms VBW 2 MHz Mode Auto Sweep
Count 500/500

1 Frequency Sweep

2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		5.64792 GHz	-27.30 dBm		
M2	1		5.65836 GHz	-1.21 dBm		
D3	M1	1	43.68 MHz	-1.19 dB		

Date: 4 MAR 2021 10:44:51



Appendix D: 99% Occupy bandwidth

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
I	20	802.11ac	CH _L	18.10	Pass
			CH _M	18.10	
			CH _H	18.10	
		802.11n	CH _L	18.10	Pass
			CH _M	18.13	
			CH _H	18.13	
		802.11a	CH _L	17.11	Pass
			CH _M	17.08	
			CH _H	17.17	
	40	802.11ac	CH _L	36.32	Pass
			CH _H	36.26	
		802.11n	CH _L	36.32	Pass
			CH _H	36.32	
	80	802.11ac	CH _M	74.45	Pass
II	20	802.11ac	CH _L	18.07	Pass
			CH _M	18.07	
			CH _H	18.07	
		802.11n	CH _L	18.13	Pass
			CH _M	18.13	
			CH _H	18.16	
		802.11a	CH _L	17.11	Pass
			CH _M	17.14	
			CH _H	17.14	
	40	802.11ac	CH _L	36.32	Pass
			CH _H	36.38	
		802.11n	CH _L	36.38	Pass
			CH _H	36.26	
	80	802.11ac	CH _M	74.57	Pass

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
III	20	802.11ac	CH _L	18.10	Pass
			CH _M	18.10	
			CH _H	18.10	
		802.11n	CH _L	18.10	Pass
			CH _M	18.16	
			CH _H	18.07	
		802.11a	CH _L	17.17	Pass
			CH _M	17.17	
			CH _H	17.14	
	40	802.11ac	CH _L	36.32	Pass
			CH _M	36.38	
			CH _H	36.38	
		802.11n	CH _L	36.26	Pass
			CH _M	36.32	
			CH _H	36.26	
	80	802.11ac	CH _L	74.57	Pass
			CH _M	74.69	
			CH _H	74.69	

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	18.07	Pass
			CH _M	18.10	
			CH _H	18.13	
		802.11n	CH _L	18.13	Pass
			CH _M	18.10	
			CH _H	18.10	
		802.11a	CH _L	17.14	Pass
			CH _M	17.17	
			CH _H	17.17	
	40	802.11ac	CH _L	36.32	Pass
			CH _H	36.32	
		802.11n	CH _L	36.30	Pass
			CH _H	36.38	
	80	802.11ac	CH _M	74.57	Pass

