

APPENDIX REPORT

Project No.	SHT2112116401EW	Radio Specification	WIFI 5G
Test sample No.	YPHT21121164004	Model No.	SH2-ADAA
Start test date	2022-01-11	Finish date	2022-01-12
Temperature	23.4℃	Humidity	35%
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	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	14.98	97.21	0.12	15.10	24.00	Pass
			CH _M	14.96	97.21	0.12	15.08		
			CH _H	15.01	97.21	0.12	15.13		
		802.11n	CH _L	14.99	97.18	0.12	15.11	24.00	Pass
			CH _M	14.90	97.18	0.12	15.02		
			CH _H	14.83	97.18	0.12	14.95		
		802.11a	CH _L	15.18	97.36	0.12	15.30	24.00	Pass
			CH _M	15.03	97.36	0.12	15.15		
			CH _H	14.99	97.36	0.12	15.11		
	40	802.11ac	CH _L	11.01	94.69	0.24	11.25	24.00	Pass
			CH _H	14.96	94.68	0.24	15.20		
		802.11n	CH _L	10.76	94.65	0.24	11.00	24.00	Pass
			CH _H	14.99	94.65	0.24	15.23		
	80	802.11ac	CH _M	11.05	89.82	0.47	11.52	24.00	Pass
II	20	802.11ac	CH _L	15.12	97.21	0.12	15.24	24.00	Pass
			CH _M	15.09	97.21	0.12	15.21		
			CH _H	15.30	97.21	0.12	15.42		
		802.11n	CH _L	14.92	97.18	0.12	15.04	24.00	Pass
			CH _M	14.88	97.18	0.12	15.00		
			CH _H	15.15	97.18	0.12	15.27		
		802.11a	CH _L	15.09	97.36	0.12	15.21	24.00	Pass
			CH _M	15.08	97.36	0.12	15.20		
			CH _H	15.33	97.36	0.12	15.45		
	40	802.11ac	CH _L	15.17	94.68	0.24	15.41	24.00	Pass
			CH _H	10.81	94.69	0.24	11.05		
		802.11n	CH _L	15.12	94.65	0.24	15.36	24.00	Pass
			CH _H	10.75	94.65	0.24	10.99		
	80	802.11ac	CH _M	11.02	89.84	0.47	11.49	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	15.33	97.21	0.12	15.45	24.00	Pass
			CH _M	15.45	97.21	0.12	15.57		
			CH _{M1}	11.58	97.21	0.12	11.70		
			CH _H	16.13	97.21	0.12	16.25		
		802.11n	CH _L	15.18	97.18	0.12	15.30	24.00	Pass
			CH _M	15.26	97.18	0.12	15.38		
			CH _L	11.61	97.18	0.12	11.73		
			CH _H	16.15	97.18	0.12	16.27		
		802.11a	CH _L	15.35	97.36	0.12	15.47	24.00	Pass
			CH _M	15.42	97.36	0.12	15.54		
			CH _{M1}	11.81	97.36	0.12	11.93		
			CH _H	16.20	97.36	0.12	16.32		
	40	802.11ac	CH _L	11.01	94.68	0.24	11.25	24.00	Pass
			CH _M	15.49	94.78	0.23	15.72		
			CH _{M1}	11.50	94.68	0.24	11.74		
			CH _H	16.28	94.68	0.24	16.52		
		802.11n	CH _L	11.03	94.74	0.23	11.26	24.00	Pass
			CH _M	15.51	94.65	0.24	15.75		
			CH _{M1}	11.48	94.65	0.24	11.72		
			CH _H	16.16	94.74	0.23	16.39		
	80	802.11ac	CH _L	10.44	89.84	0.47	10.91	24.00	Pass
			CH _M	14.64	89.84	0.47	15.11		
			CH _H	15.78	90.00	0.46	16.24		
IV	20	802.11ac	CH _L	15.86	97.21	0.12	15.98	30.00	Pass
			CH _M	15.92	97.21	0.12	16.04		
			CH _H	16.01	97.21	0.12	16.13		
		802.11n	CH _L	15.94	97.18	0.12	16.06	30.00	Pass
			CH _M	15.97	97.18	0.12	16.09		
			CH _H	15.92	97.09	0.13	16.05		
		802.11a	CH _L	16.06	97.36	0.12	16.18	30.00	Pass
			CH _M	16.10	97.36	0.12	16.22		
			CH _H	16.15	97.36	0.12	16.27		
	40	802.11ac	CH _L	16.10	94.68	0.24	16.34	30.00	Pass
			CH _H	16.16	94.68	0.24	16.40		
		802.11n	CH _L	16.08	94.65	0.24	16.32	30.00	Pass
			CH _H	16.15	94.65	0.24	16.39		
	80	802.11ac	CH _M	12.47	89.82	0.47	12.94	30.00	Pass

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

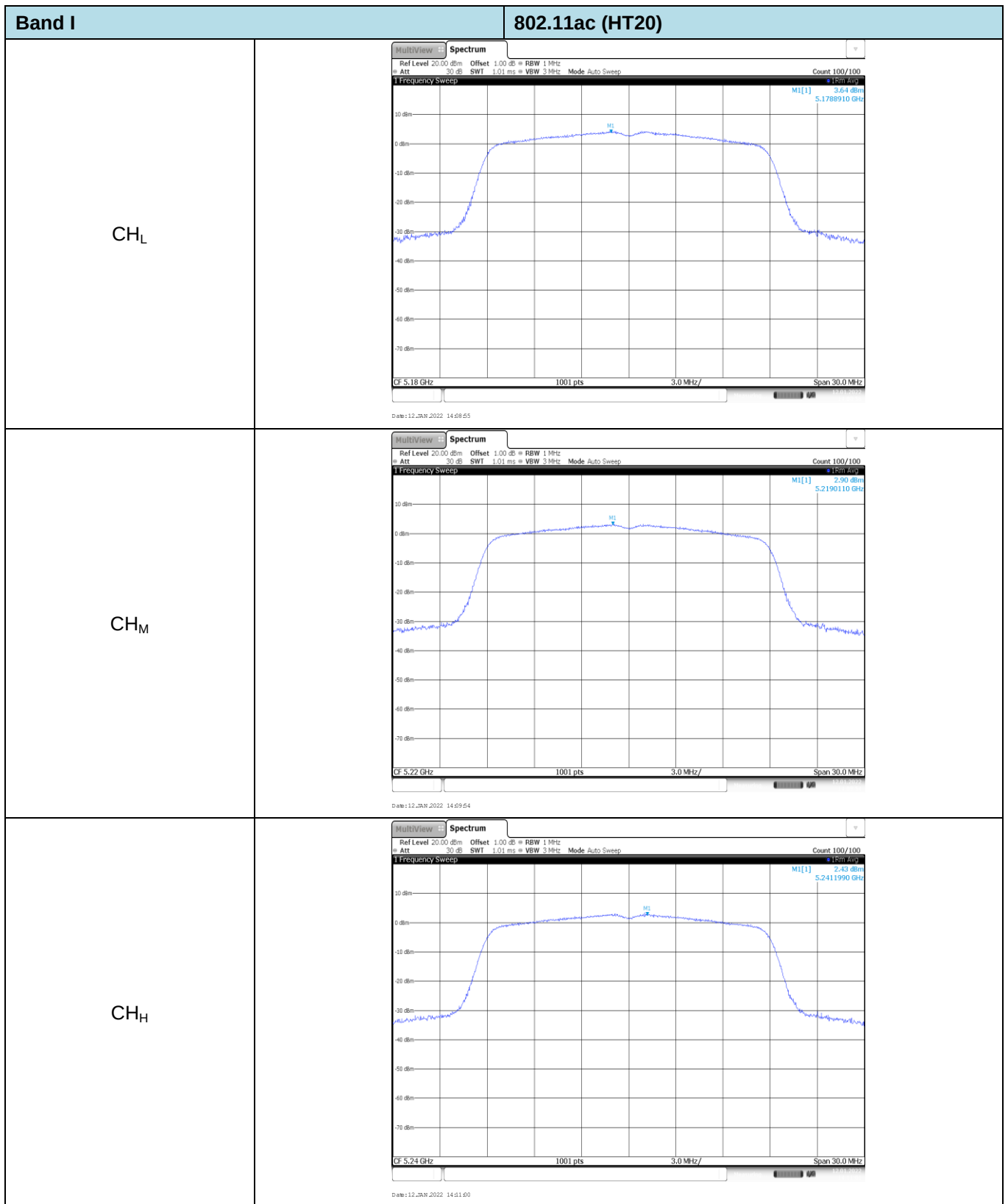
Appendix B: Maximum Power Spectral Density

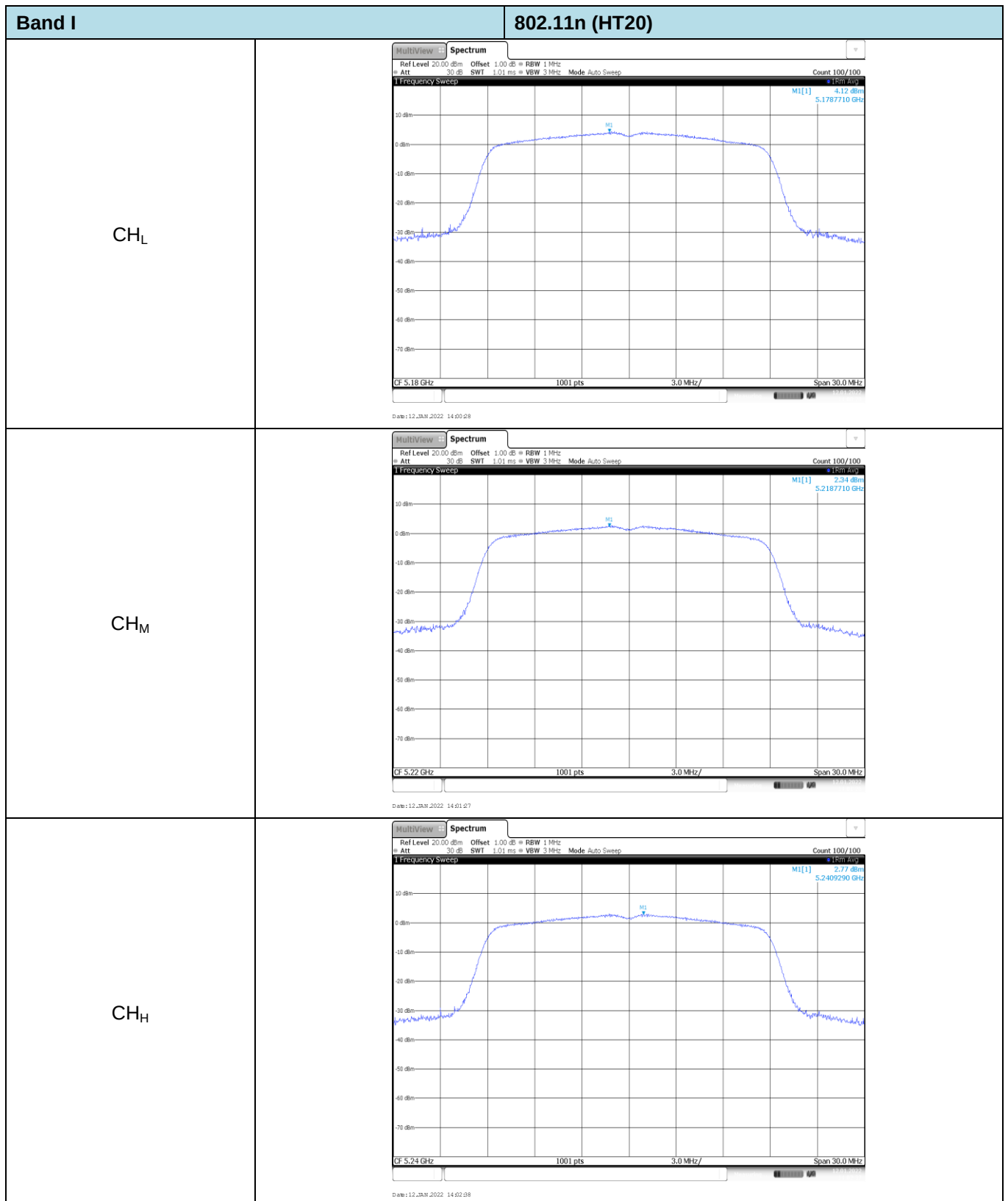
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
I	20	802.11ac	CH _L	3.64	97.21	0.12	3.76	11.00	Pass
			CH _M	2.90	97.21	0.12	3.02		
			CH _H	2.43	97.21	0.12	2.55		
		802.11n	CH _L	4.12	97.18	0.12	4.24	11.00	Pass
			CH _M	2.34	97.18	0.12	2.46		
			CH _H	2.77	97.18	0.12	2.89		
		802.11a	CH _L	4.02	97.36	0.12	4.14	11.00	Pass
			CH _M	3.10	97.36	0.12	3.22		
			CH _H	3.12	97.36	0.12	3.24		
	40	802.11ac	CH _L	-3.19	94.69	0.24	-2.95	11.00	Pass
			CH _H	0.14	94.68	0.24	0.38		
		802.11n	CH _L	-3.64	94.65	0.24	-3.40	11.00	Pass
			CH _H	0.12	94.65	0.24	0.36		
	80	802.11ac	CH _M	-6.50	89.82	0.47	-6.03	11.00	Pass
II	20	802.11ac	CH _L	2.87	97.21	0.12	2.99	11.00	Pass
			CH _M	3.16	97.21	0.12	3.28		
			CH _H	2.61	97.21	0.12	2.73		
		802.11n	CH _L	3.08	97.18	0.12	3.20	11.00	Pass
			CH _M	3.40	97.18	0.12	3.52		
			CH _H	2.80	97.18	0.12	2.92		
		802.11a	CH _L	3.32	97.36	0.12	3.44	11.00	Pass
			CH _M	3.66	97.36	0.12	3.78		
			CH _H	3.12	97.36	0.12	3.24		
	40	802.11ac	CH _L	0.34	94.68	0.24	0.58	11.00	Pass
			CH _H	-3.87	94.69	0.24	-3.63		
		802.11n	CH _L	2.21	94.65	0.24	2.45	11.00	Pass
			CH _H	-3.98	94.65	0.24	-3.74		
	80	802.11ac	CH _M	-6.51	89.84	0.47	-6.04	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	2.31	97.21	0.12	2.43	11.00	Pass
			CH _M	3.89	97.21	0.12	4.01		
			CH _H	5.41	97.21	0.12	5.53		
		802.11n	CH _L	2.04	97.18	0.12	2.16	11.00	Pass
			CH _M	3.71	97.18	0.12	3.83		
			CH _H	5.68	97.18	0.12	5.80		
		802.11a	CH _L	2.31	97.36	0.12	2.43	11.00	Pass
			CH _M	3.98	97.36	0.12	4.10		
			CH _H	5.91	97.36	0.12	6.03		
	40	802.11ac	CH _L	-5.17	94.68	0.24	-4.93	11.00	Pass
			CH _M	0.89	94.78	0.23	1.12		
			CH _H	2.46	94.68	0.24	2.70		
		802.11n	CH _L	-5.27	94.74	0.23	-5.04	11.00	Pass
			CH _M	0.81	94.65	0.24	1.05		
			CH _H	2.29	94.74	0.23	2.52		
	80	802.11ac	CH _L	-7.13	89.84	0.47	-6.66	11.00	Pass
			CH _H	-1.27	90.00	0.46	-0.81		

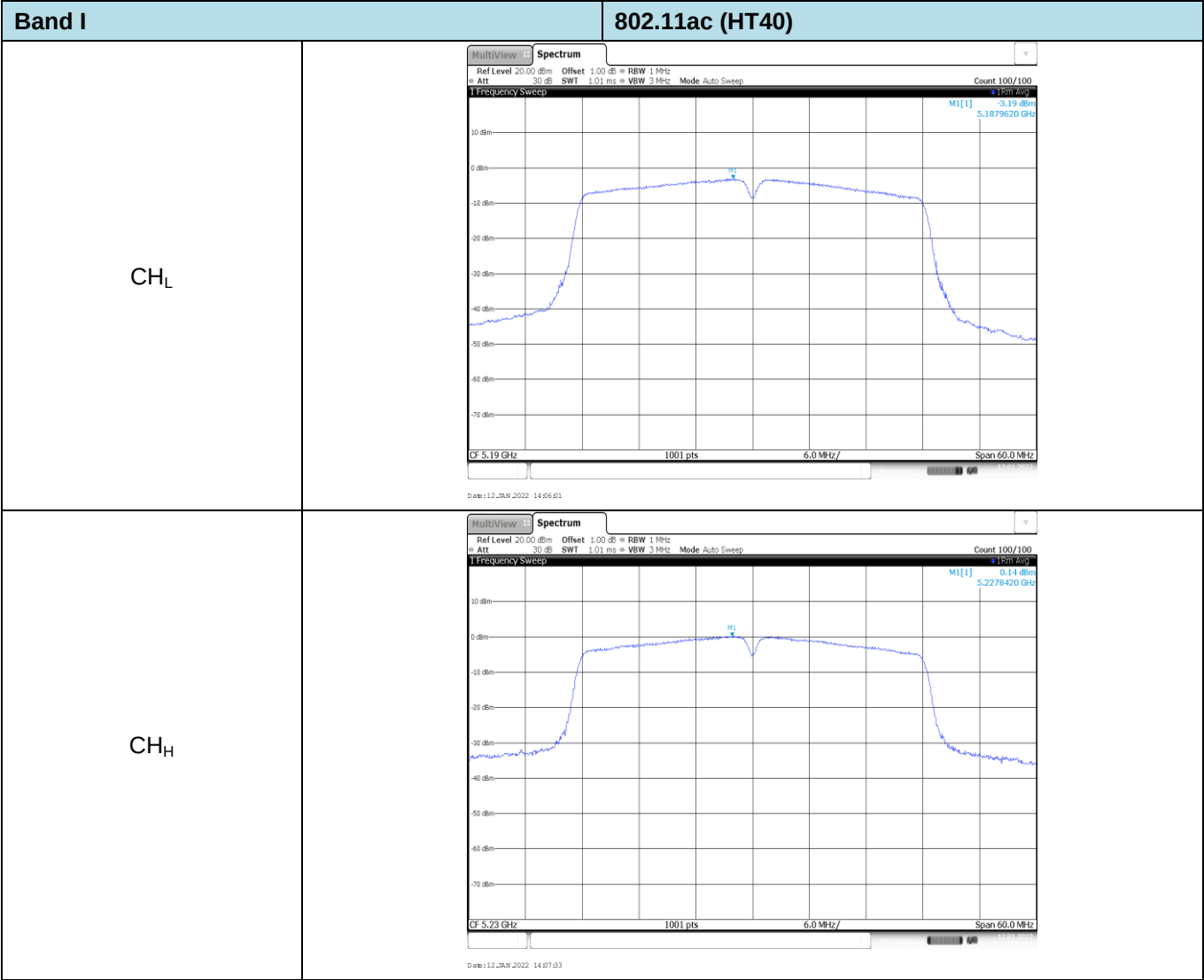
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/500kHz)	Limit (dBm/500KHz)	Result
IV	20	802.11ac	CH _L	2.25	97.21	0.12	2.37	30.00	Pass
			CH _M	2.22	97.21	0.12	2.34		
			CH _H	2.01	97.21	0.12	2.13		
		802.11n	CH _L	2.35	97.18	0.12	2.47	30.00	Pass
			CH _M	1.79	97.18	0.12	1.91		
			CH _H	1.75	97.09	0.13	1.88		
		802.11a	CH _L	2.61	97.36	0.12	2.73	30.00	Pass
			CH _M	2.47	97.36	0.12	2.59		
			CH _H	2.16	97.36	0.12	2.28		
	40	802.11ac	CH _L	-0.40	94.68	0.24	-0.16	30.00	Pass
			CH _H	-0.58	94.68	0.24	-0.34		
		802.11n	CH _L	-0.29	94.65	0.24	-0.05	30.00	Pass
			CH _H	-0.58	94.65	0.24	-0.34		
	80	802.11ac	CH _M	-7.42	89.82	0.47	-6.95	30.00	Pass

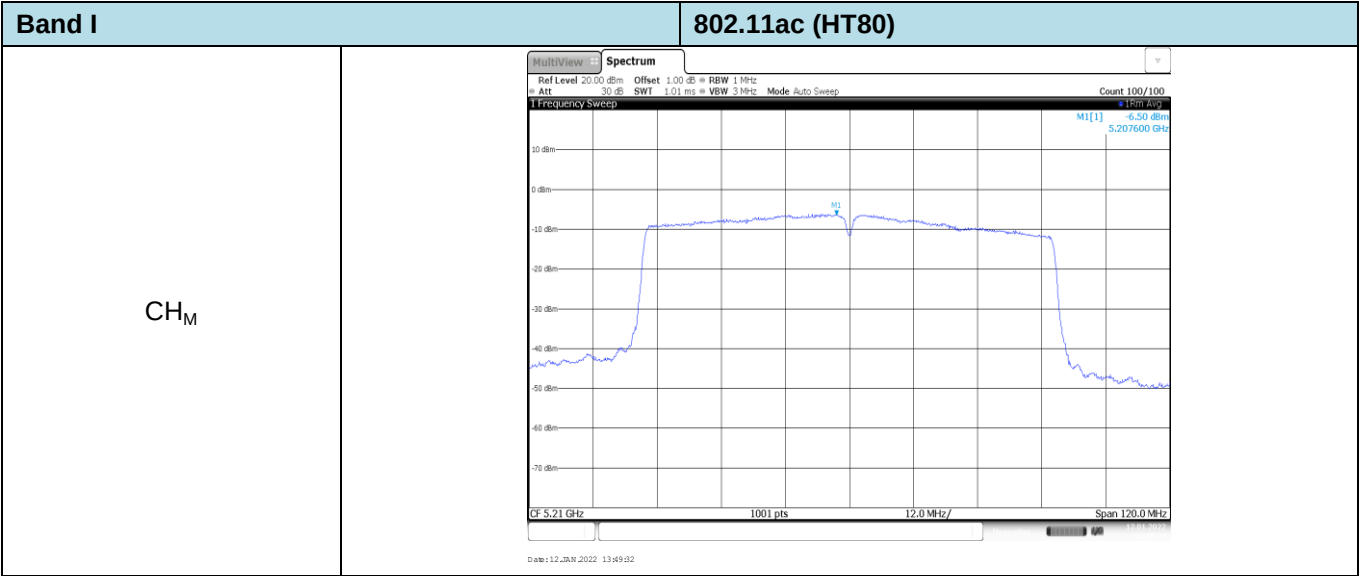
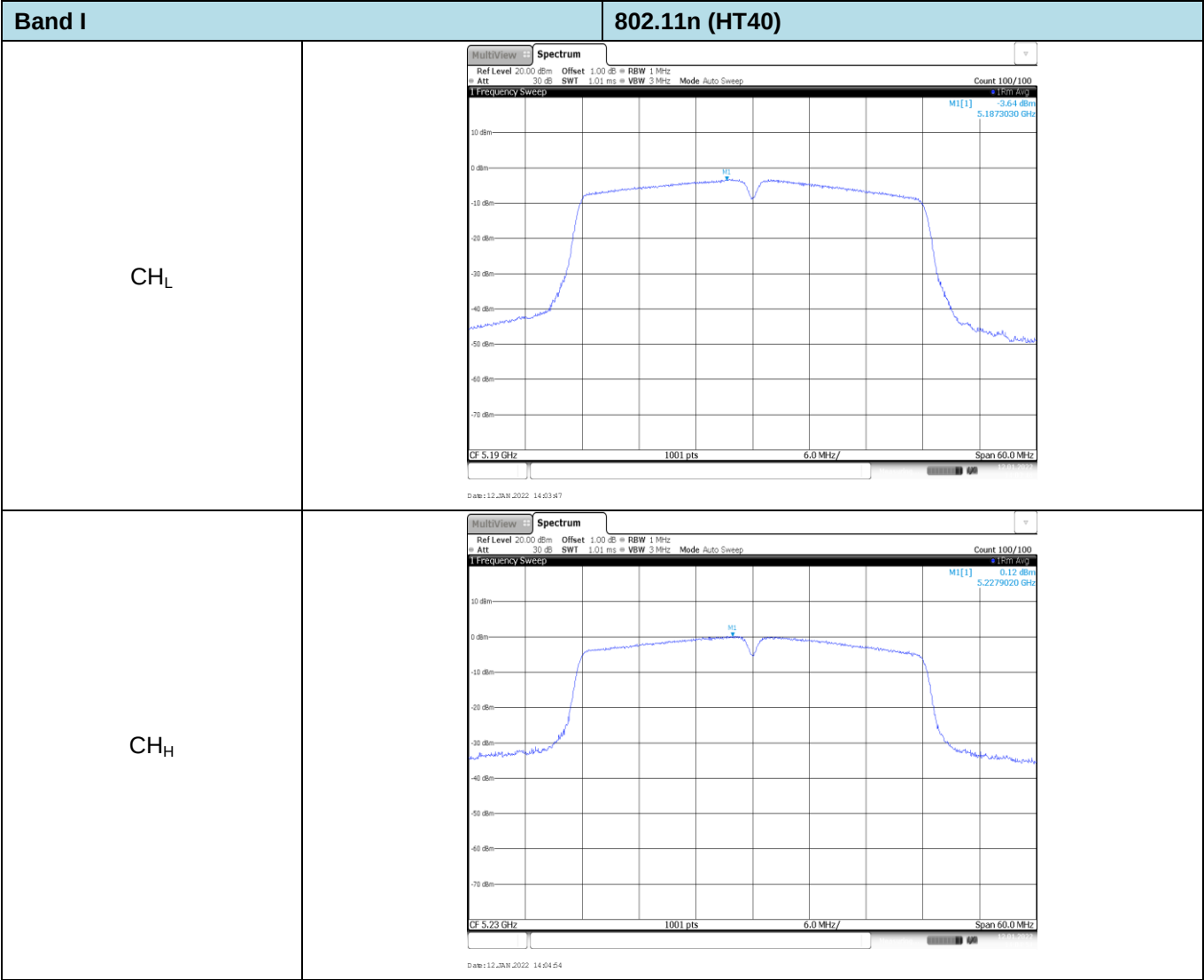
Test plot as follows:



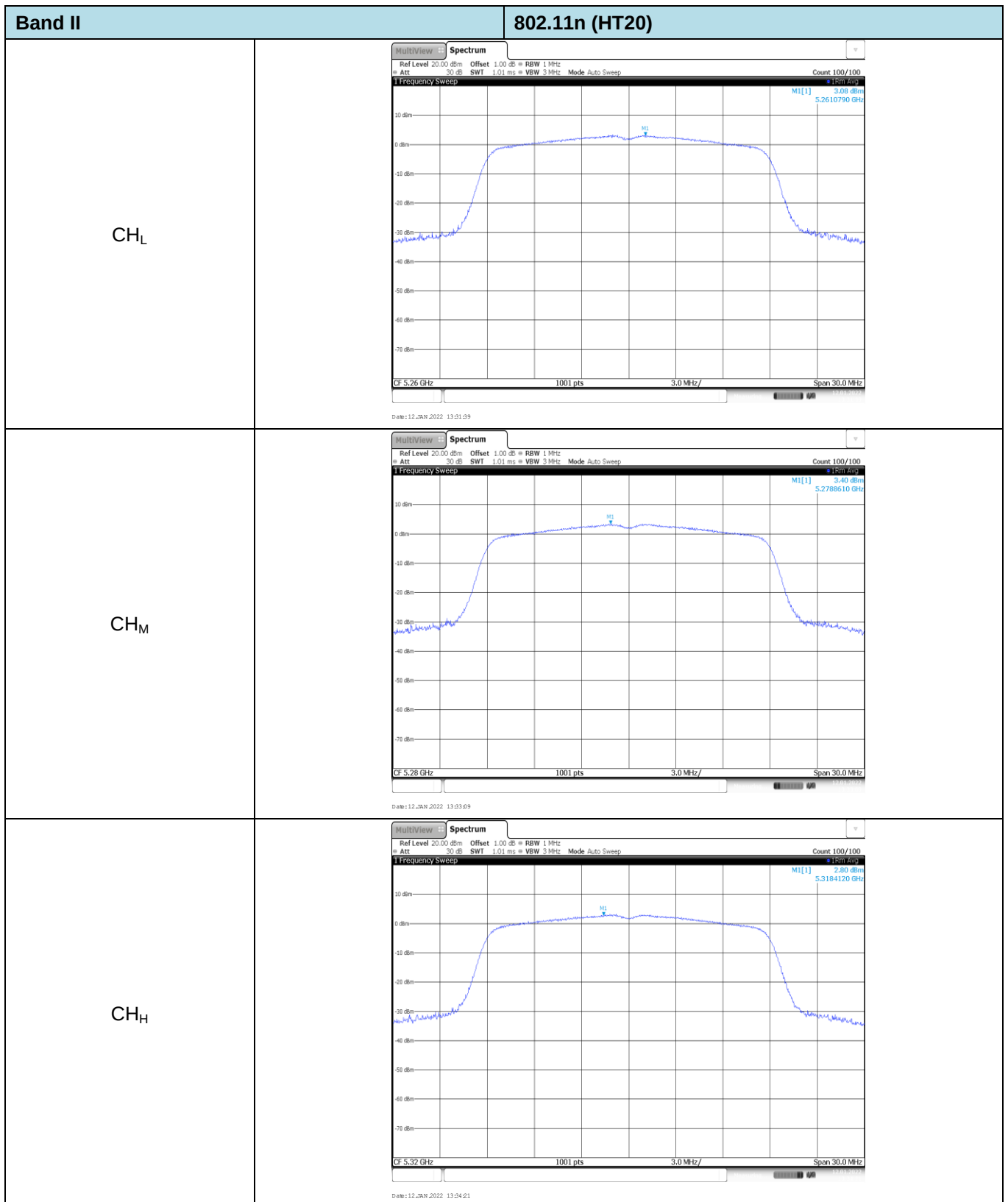


Band I		802.11a
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 kHz Mode Auto Sweep Count 100/100 1 Freq Sweep M1[1] 4.02 dBm 5.1789510 GHz 20 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.18 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12_JAN 2022 13:57:28	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 kHz Mode Auto Sweep Count 100/100 1 Freq Sweep M1[1] 3.10 dBm 5.2213790 GHz 20 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 Date: 12_JAN 2022 13:58:17	
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 kHz Mode Auto Sweep Count 100/100 1 Freq Sweep M1[1] 3.12 dBm 5.2388310 GHz 20 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 Date: 12_JAN 2022 13:59:04	





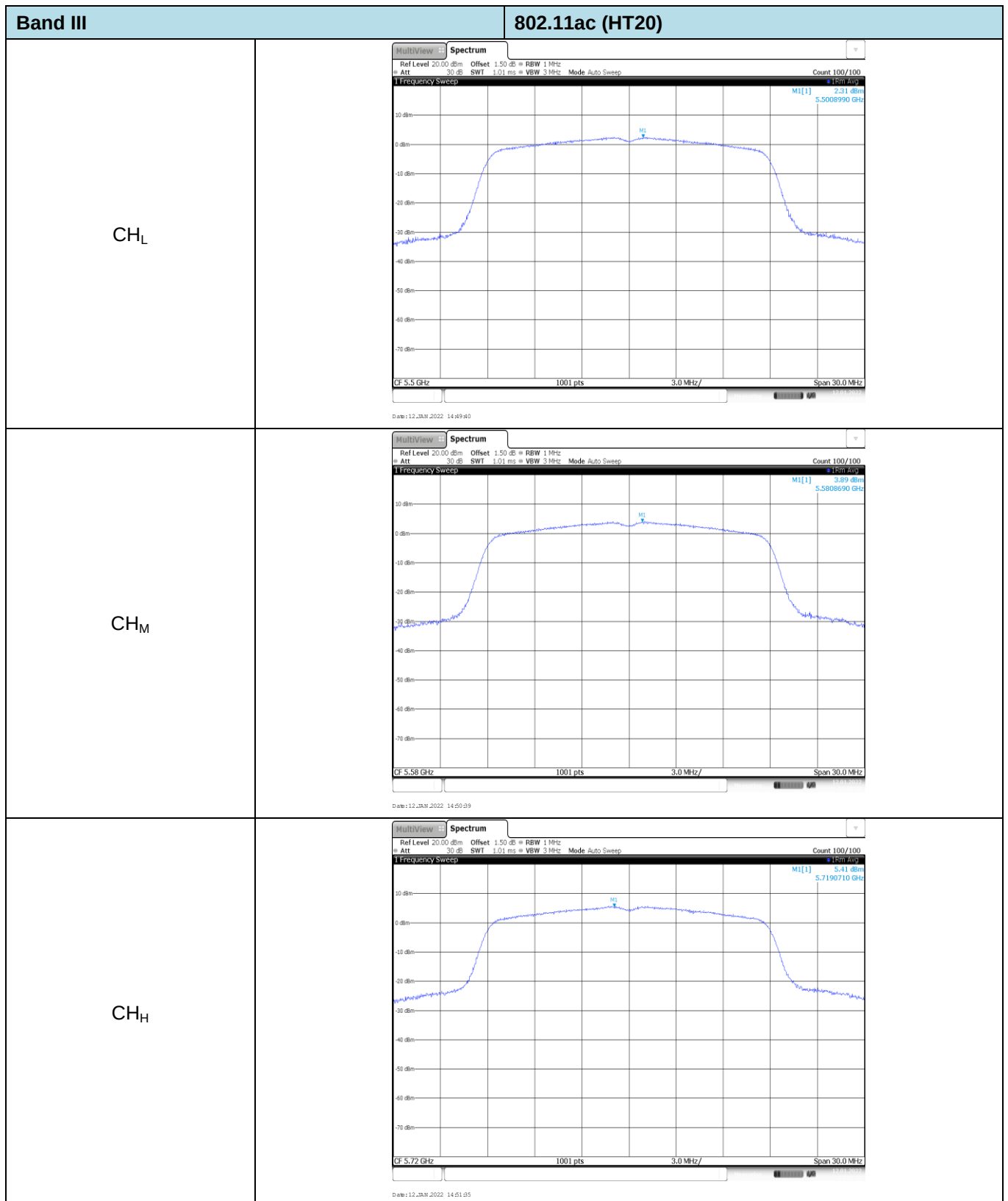
Band II		802.11ac (HT20)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1 2.87 dBm 5.2608990 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.26 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12_JAN 2022 13:39:25	
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 1 Frequency Sweep M1 3.16 dBm 5.2813190 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.28 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12_JAN 2022 13:42:04	
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 1 Frequency Sweep M1 2.61 dBm 5.3189510 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.32 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12_JAN 2022 13:43:02	

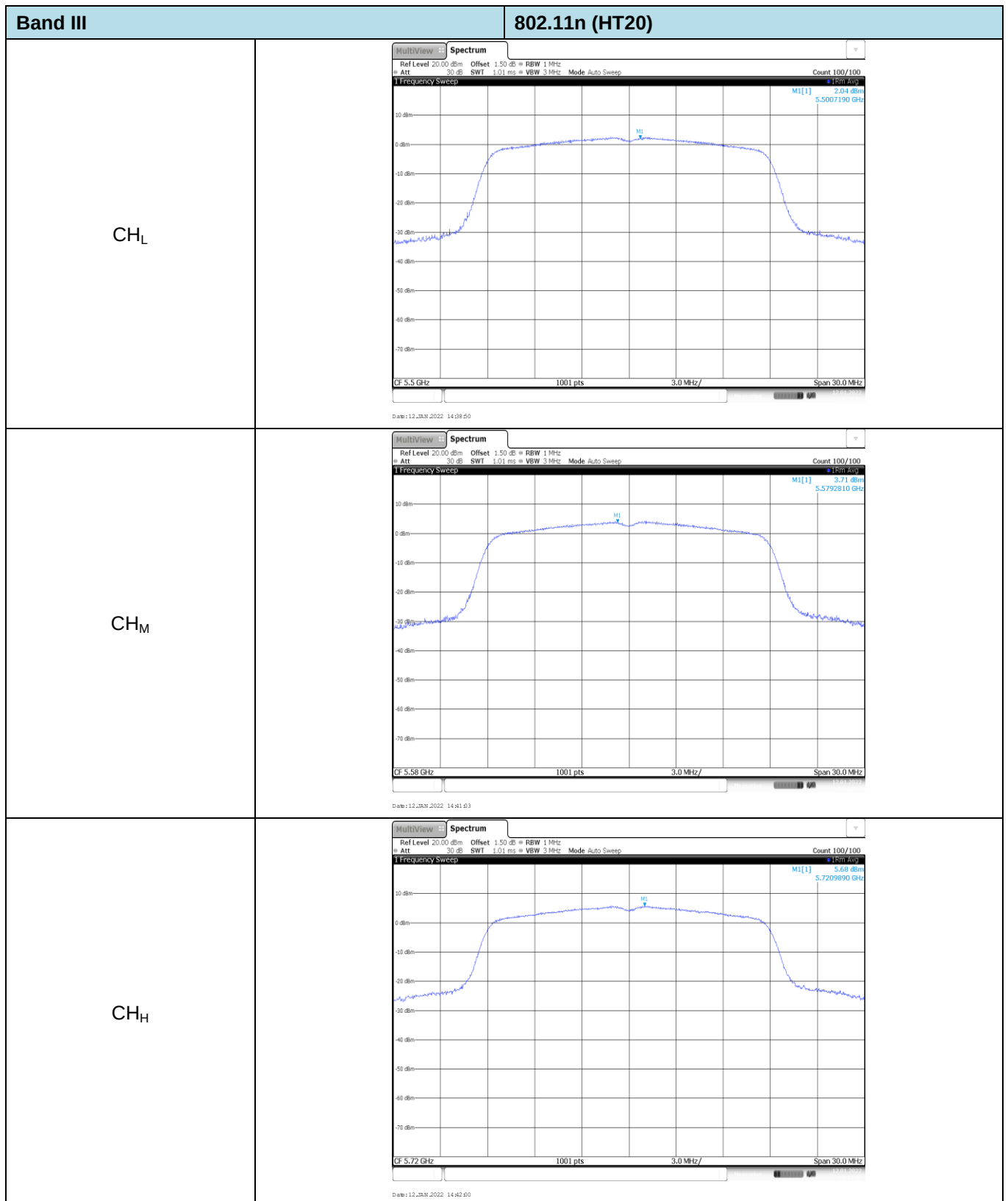


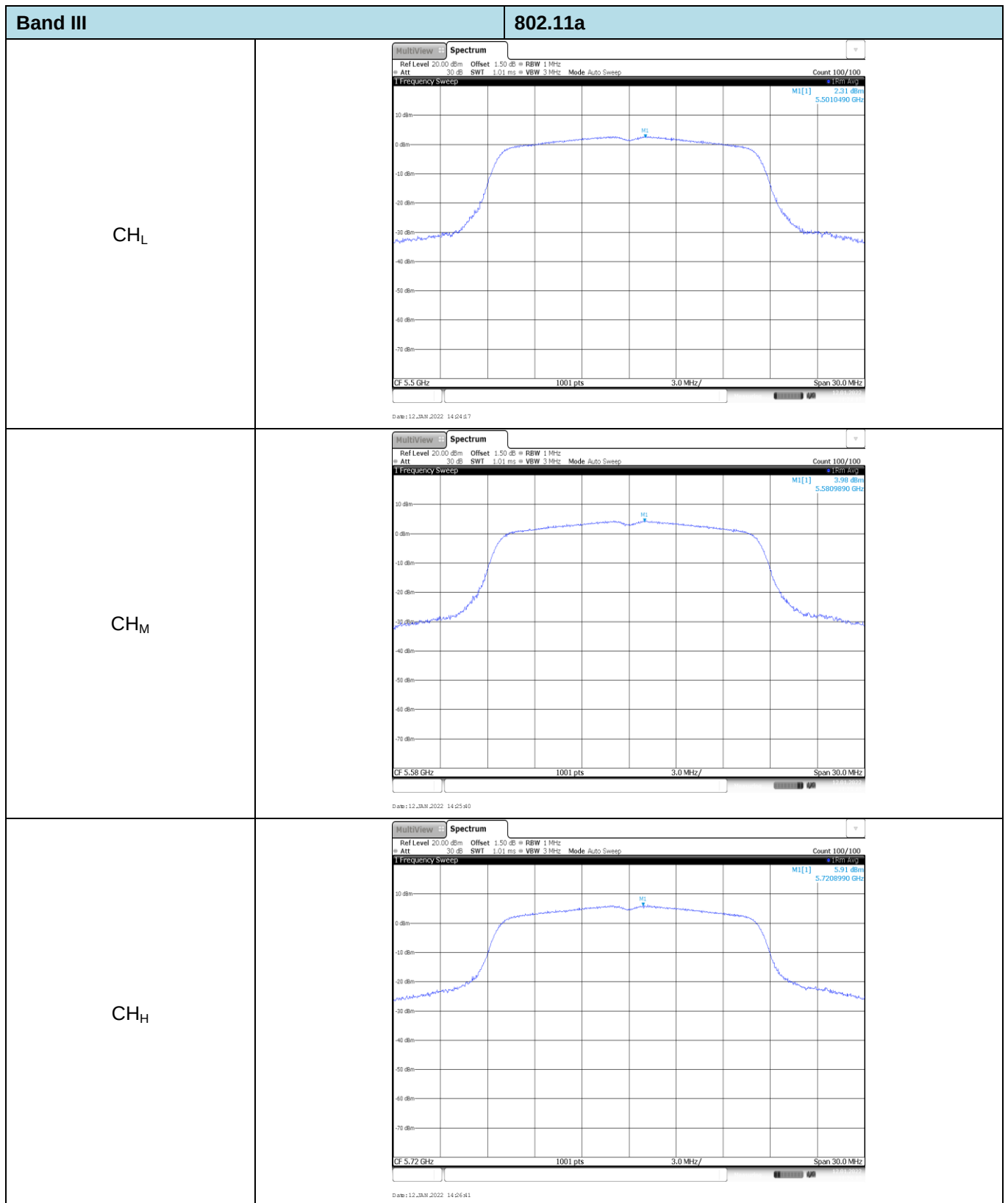
Band II		802.11a
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.00 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1 3.32 dBm 5.2588310 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.26 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12_JAN 2022 13:24:54	
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 1 Frequency Sweep M1 3.66 dBm 5.2810190 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.28 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12_JAN 2022 13:28:01	
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 1 Frequency Sweep M1 3.12 dBm 5.3209290 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.32 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12_JAN 2022 13:29:56	

Band II		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 1 Frequency Sweep M1[1] 0.34 dBm 5.2722180 GHz CF 5.27 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 12_JAN 2022 13:44:52	
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 1 Frequency Sweep M1[1] -3.87 dBm 5.3077820 GHz CF 5.31 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 12_JAN 2022 13:46:52	

Band II		802.11n (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 M1[1] -0.21 dBm 5.2685610 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: 12_JAN 2022 13:36:26	
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 M1[1] -3.98 dBm 5.3077820 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: 12_JAN 2022 13:38:21	
Band II		802.11ac (HT80)
CH _M	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 M1[1] -6.51 dBm 5.2877220 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.29 GHz 1001 pts 12.0 MHz/ Span 120.0 MHz Date: 12_JAN 2022 13:48:49	







Band III		802.11ac (HT40)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.00 dB Offset 1.50 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] -5.17 dBm 5.5123980 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.51 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 12_JAN 2022 14:56:24	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Att 30.00 dB Offset 1.50 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 0.89 dBm 5.5522780 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.55 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 12_JAN 2022 14:57:25	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30.00 dB Offset 1.50 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 2.46 dBm 5.7120980 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.71 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 12_JAN 2022 14:58:43	

Band III		802.11n (HT40)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.50 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1 -5.27 dBm 5.5078420 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.51 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 12_JAN 2022 14:45:02	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.50 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1 0.81 dBm 5.5517380 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.55 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 12_JAN 2022 14:46:00	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.50 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1 2.29 dBm 5.7125170 GHz 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.71 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 12_JAN 2022 14:47:20	

Band III

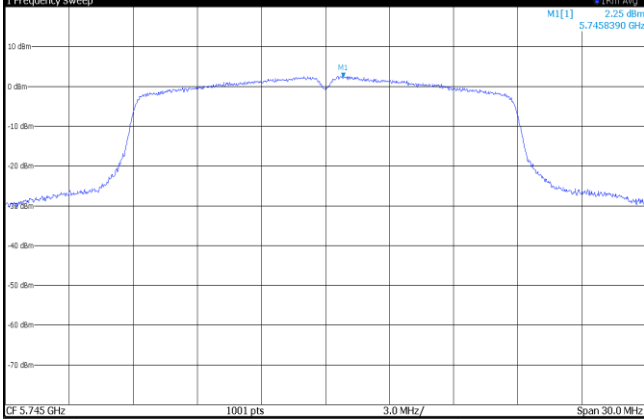
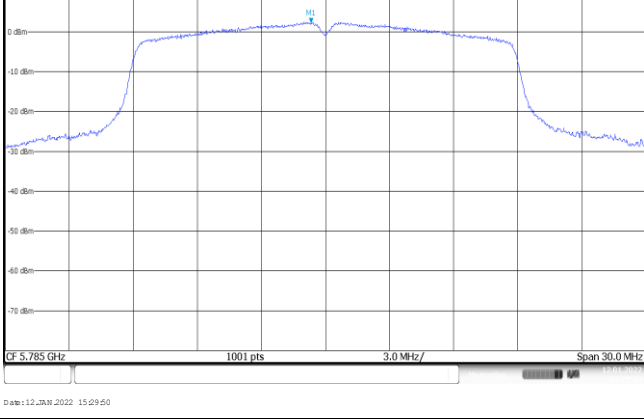
802.11ac (HT80)

CH_L

MultiView Spectrum
Ref Level 20.00 dBm Offset 1.50 dB BW 1 MHz
Att 30 dB SW 1.01 ms VBW 3 kHz Mode Auto Sweep
Count 100/100
1 Frequency Sweep
M1[1] -7.13 dBm
5.532640 GHz
CF 5.53 GHz 1001 pts 12.0 MHz/ Span 120.0 MHz
Date: 12_JAN 2022 15:04:43

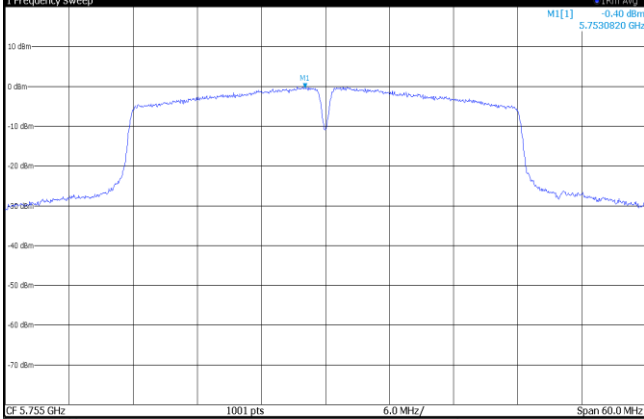
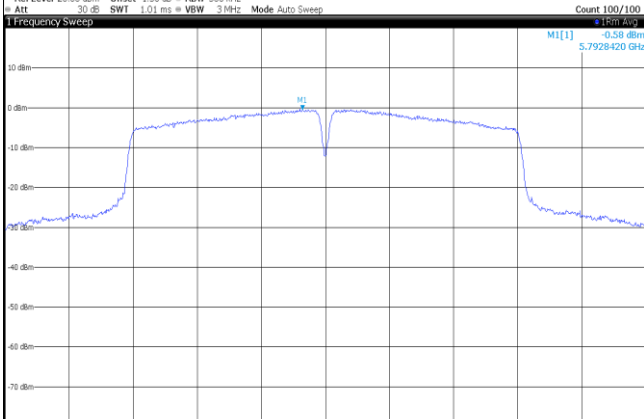
CH_H

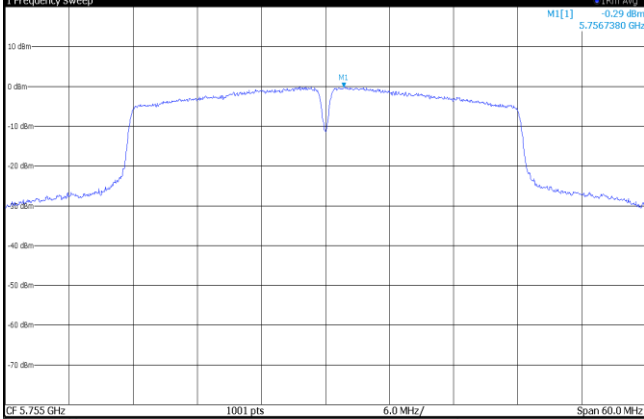
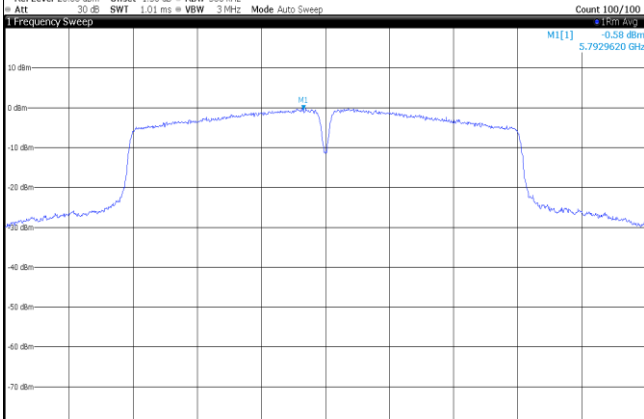
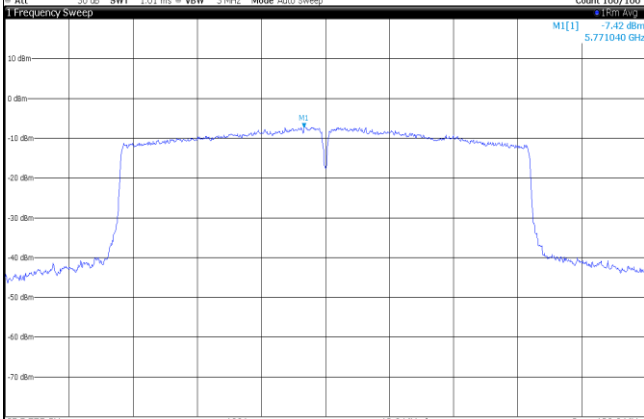
MultiView Spectrum
Ref Level 20.00 dBm Offset 1.50 dB BW 1 MHz
Att 30 dB SW 1.01 ms VBW 3 kHz Mode Auto Sweep
Count 100/100
1 Frequency Sweep
M1[1] -1.27 dBm
5.693480 GHz
CF 5.69 GHz 1001 pts 12.0 MHz/ Span 120.0 MHz
Date: 12_JAN 2022 15:08:21

Band IV		802.11ac (HT20)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.30 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 PM Avg Frequency Sweep M1[1] 2.25 dBm 5.7458390 GHz  CF 5.745 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12_JAN 2022 15:25:51	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.30 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 PM Avg Frequency Sweep M1[1] 2.22 dBm 5.7843410 GHz  CF 5.785 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12_JAN 2022 15:25:50	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.30 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 PM Avg Frequency Sweep M1[1] 2.01 dBm 5.8239510 GHz  CF 5.825 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12_JAN 2022 15:30:43	

Band IV		802.11n (HT20)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.30 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 2.35 dBm 5.7455990 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: 12_JAN 2022 15:18:08	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.30 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 1.79 dBm 5.7862890 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: 12_JAN 2022 15:18:09	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.30 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 1.75 dBm 5.8260790 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: 12_JAN 2022 15:18:50	

Band IV		802.11a
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.30 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1 2.61 dBm 5.7442210 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: 12_JAN 2022 15:14:05	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.30 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1 2.47 dBm 5.7858090 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: 12_JAN 2022 15:15:49	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.30 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1 2.16 dBm 5.8241310 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: 12_JAN 2022 15:16:40	

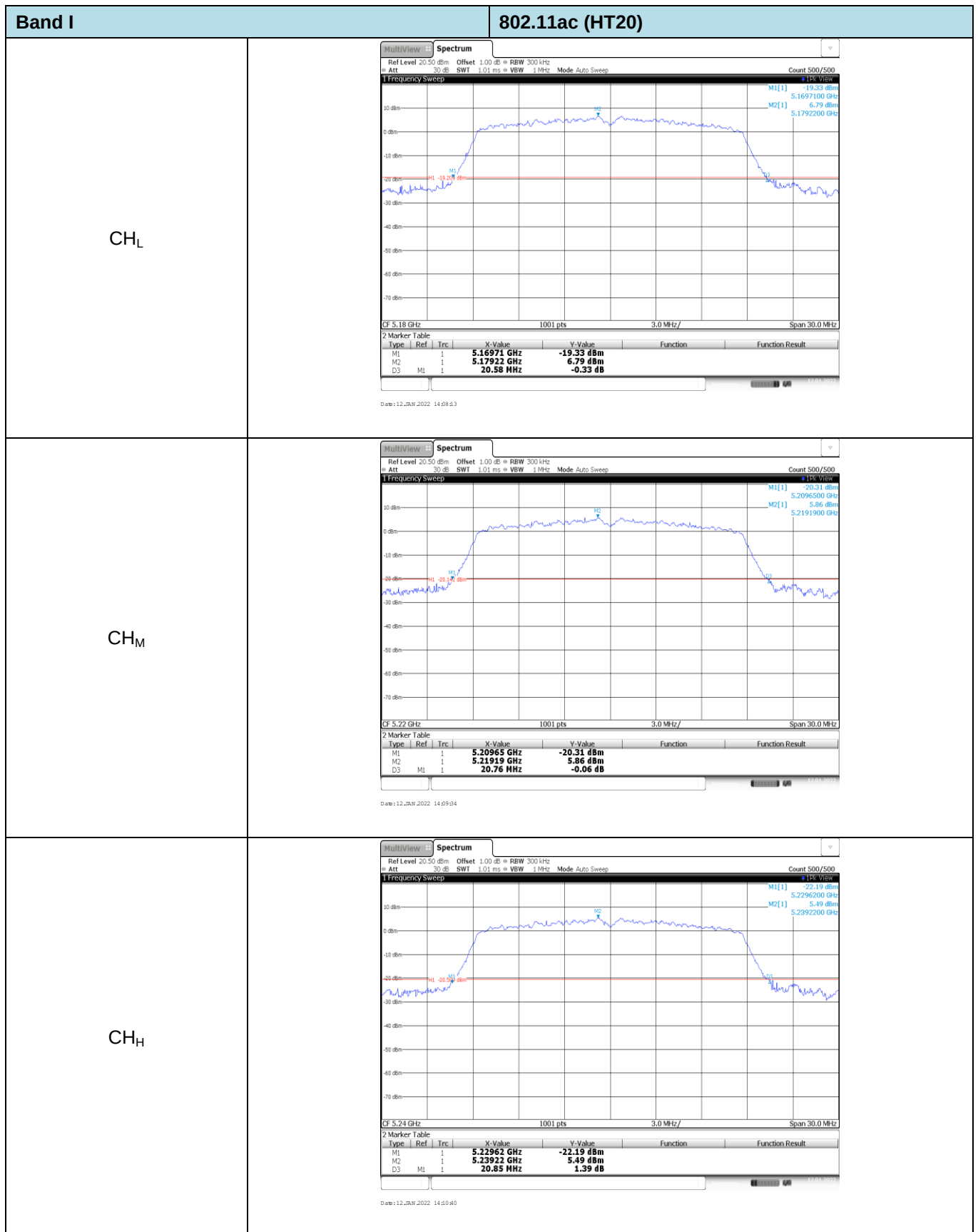
Band IV		802.11ac (HT40)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.30 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 PM Avg Frequency Sweep  CF 5.755 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 12_JAN 2022 15:31:59	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.30 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 PM Avg Frequency Sweep  CF 5.795 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 12_JAN 2022 15:31:42	

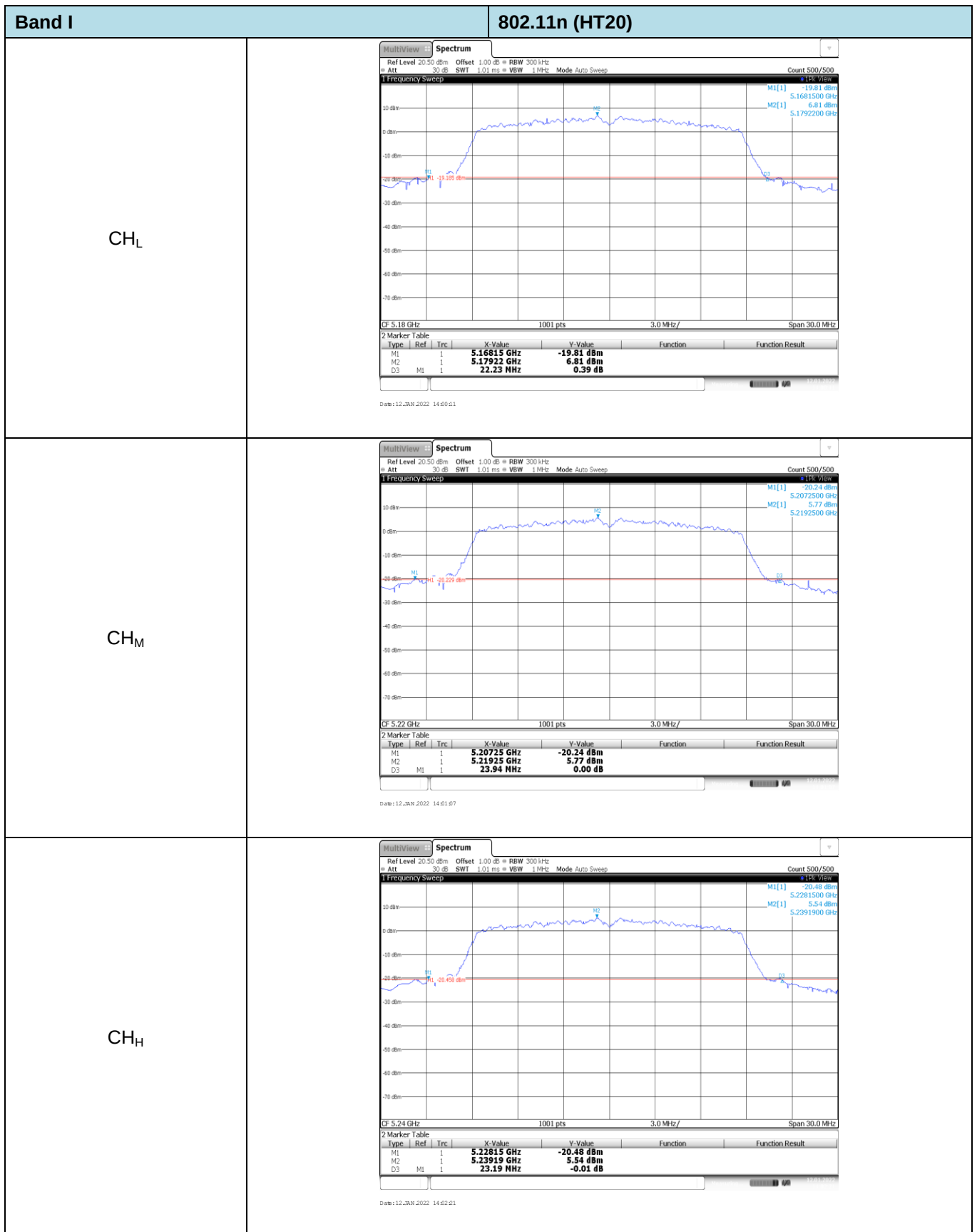
Band IV		802.11n (HT40)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.30 dB RBW 500 kHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] -0.29 dBm 5.7567380 GHz  CF 5.755 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 12_JAN 2022 15:21:08	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.30 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] -0.58 dBm 5.7929620 GHz  CF 5.795 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 12_JAN 2022 15:24:47	
Band IV		802.11ac (HT80)
CH _M	MultiView Spectrum Ref Level 20.00 dBm Offset 1.30 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] -7.42 dBm 5.7710440 GHz  CF 5.775 GHz 1001 pts 12.0 MHz/ Span 120.0 MHz Date: 12_JAN 2022 15:13:06	

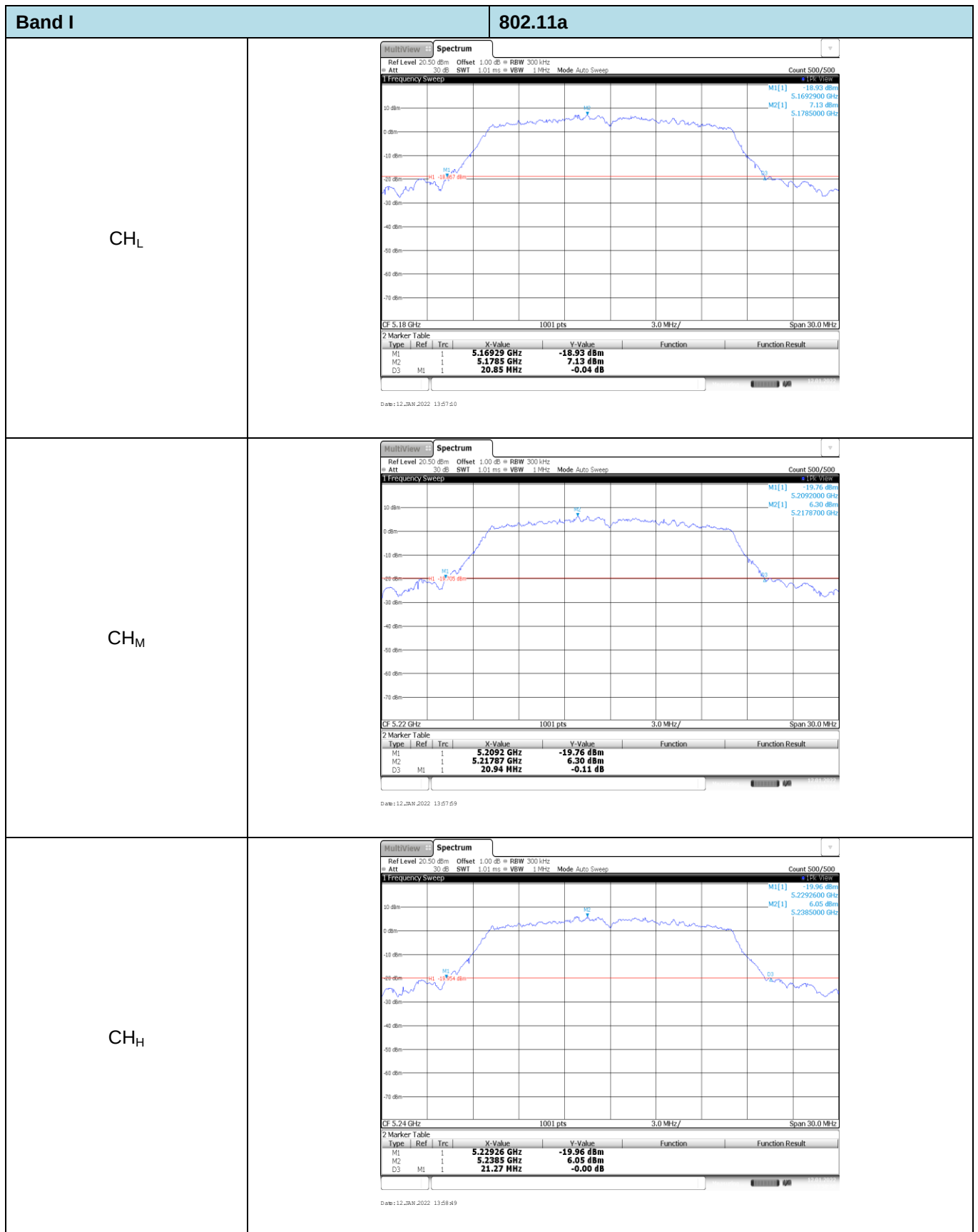
Appendix C: 26dB bandwidth

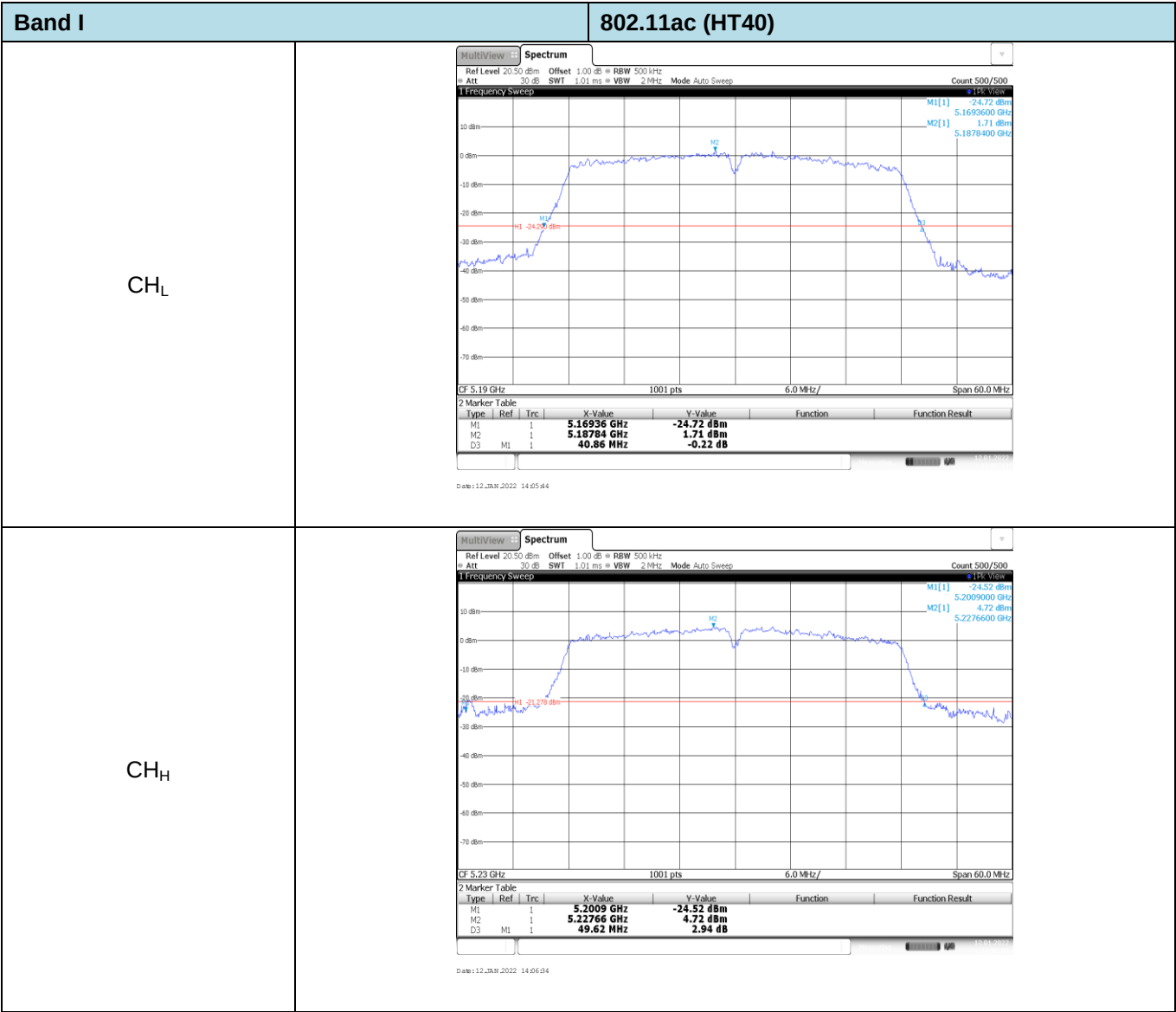
Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
I	20	802.11ac	CH _L	20.58	Pass
			CH _M	20.76	
			CH _H	20.85	
		802.11n	CH _L	22.23	Pass
			CH _M	23.94	
			CH _H	23.19	
		802.11a	CH _L	20.85	Pass
			CH _M	20.94	
			CH _H	21.27	
	40	802.11ac	CH _L	40.86	Pass
			CH _H	49.62	
		802.11n	CH _L	40.56	Pass
			CH _H	51.00	
	80	802.11ac	CH _M	81.48	Pass
II	20	802.11ac	CH _L	20.91	Pass
			CH _M	20.91	
			CH _H	20.94	
		802.11n	CH _L	23.22	Pass
			CH _M	23.16	
			CH _H	23.91	
		802.11a	CH _L	21.33	Pass
			CH _M	21.45	
			CH _H	21.42	
	40	802.11ac	CH _L	42.96	Pass
			CH _H	40.80	
		802.11n	CH _L	48.72	Pass
			CH _H	40.86	
	80	802.11ac	CH _M	81.48	Pass

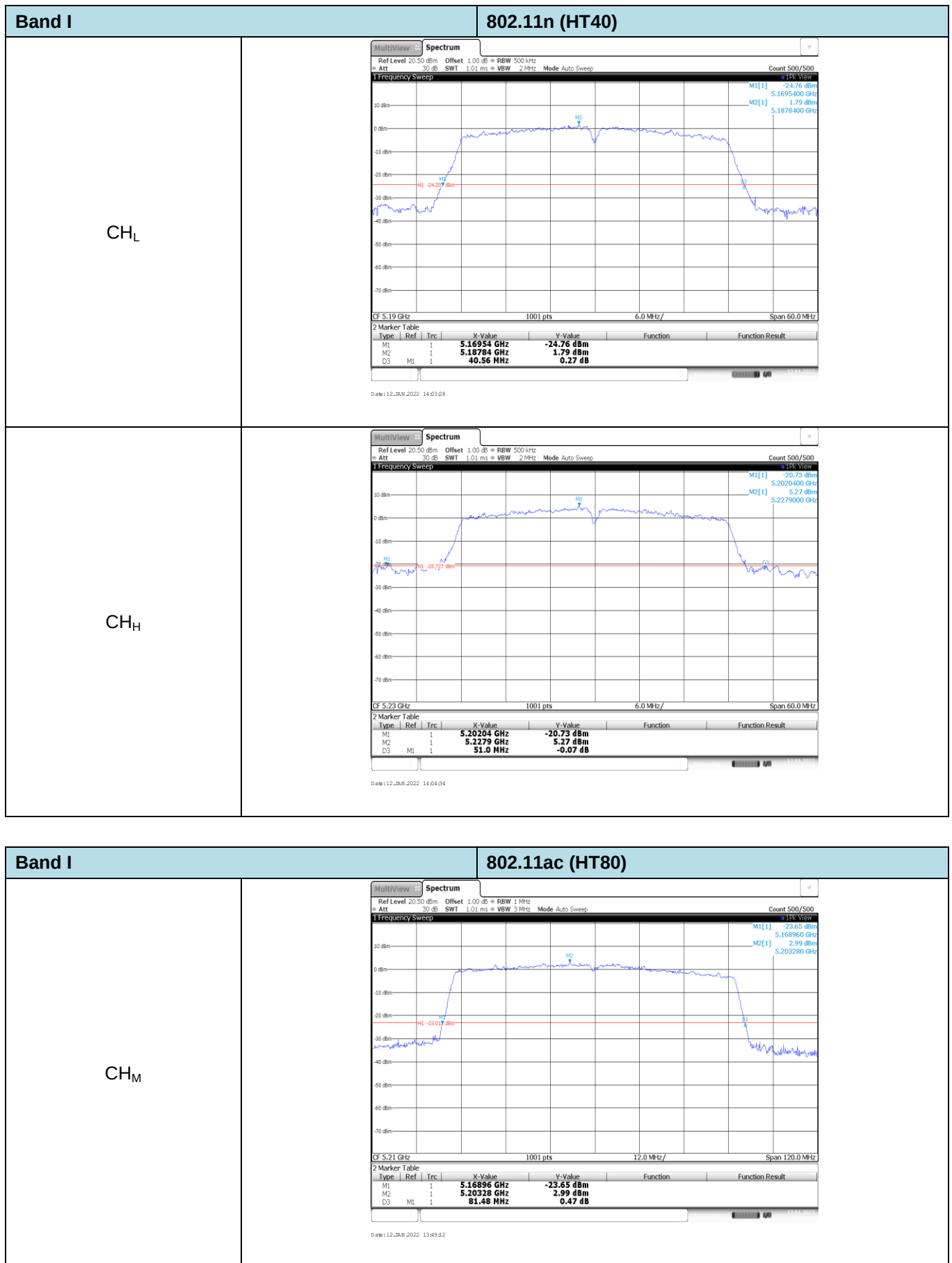
Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
III	20	802.11ac	CH _L	20.82	Pass
			CH _M	20.88	
			CH _H	25.05	
		802.11n	CH _L	23.19	Pass
			CH _M	23.64	
			CH _H	26.01	
		802.11a	CH _L	21.45	Pass
			CH _M	21.87	
			CH _H	25.44	
	40	802.11ac	CH _L	41.10	Pass
			CH _M	46.08	
			CH _H	56.22	
		802.11n	CH _L	40.92	Pass
			CH _M	47.46	
			CH _H	58.50	
	80	802.11ac	CH _L	81.84	Pass
			CH _H	108.32	

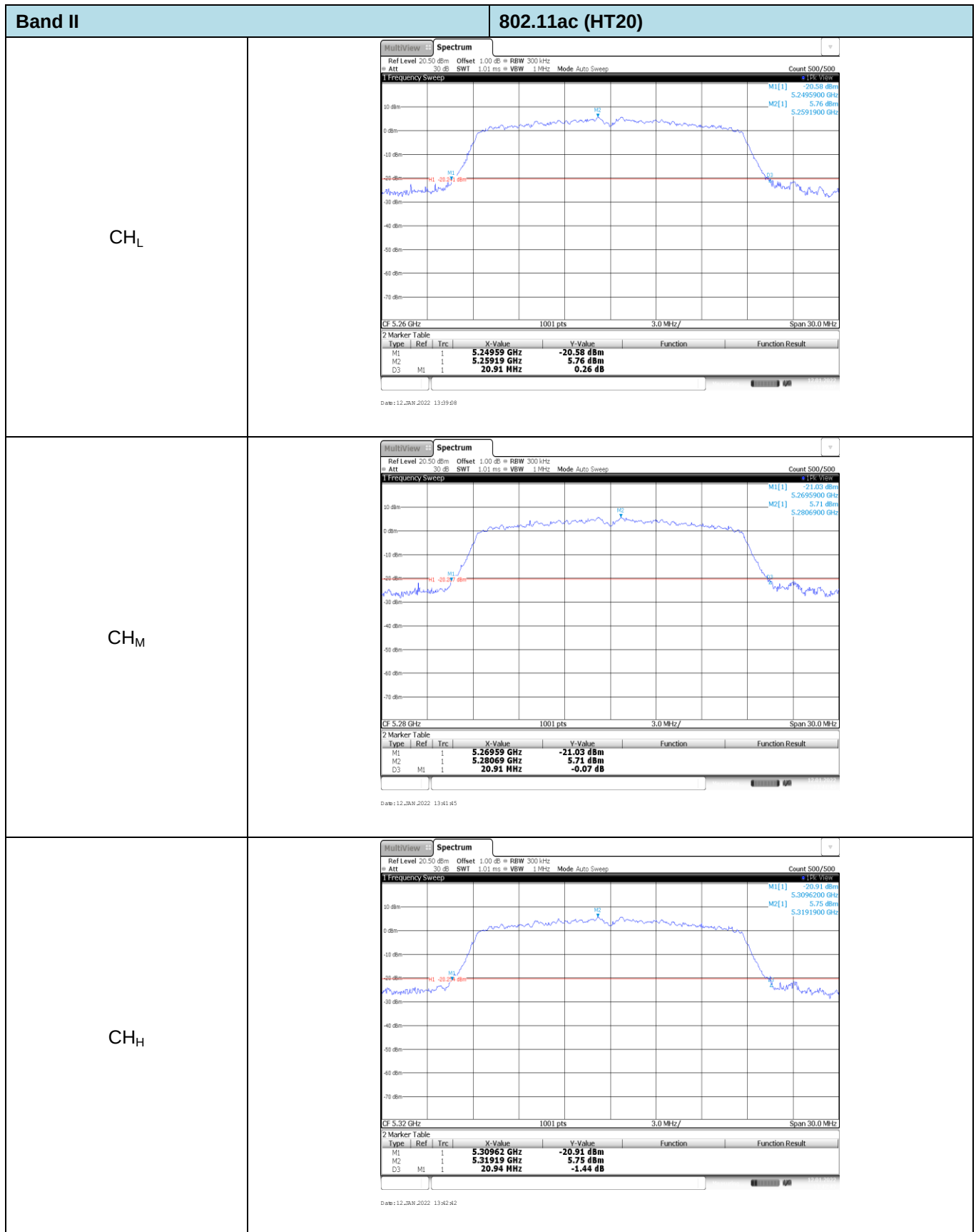


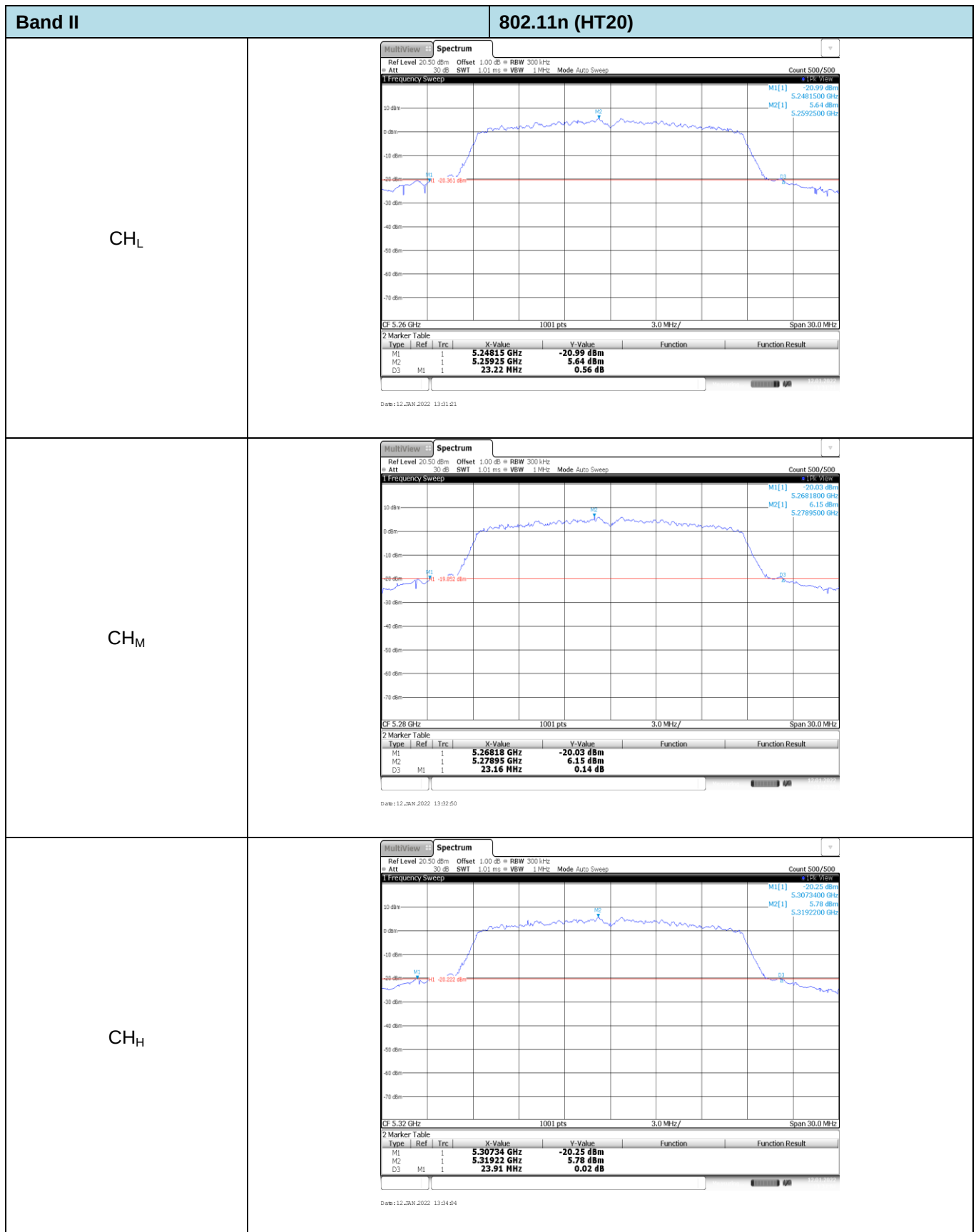


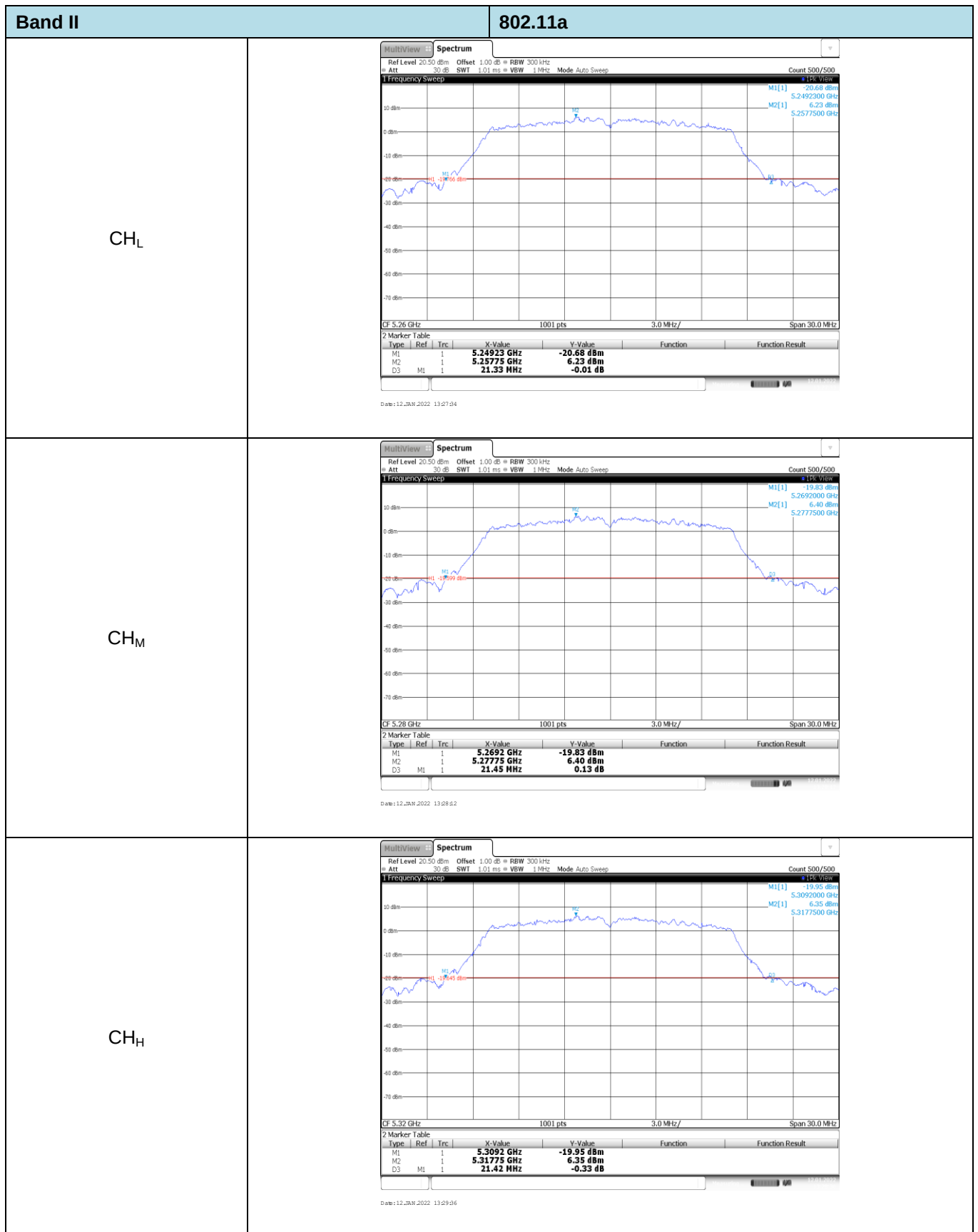


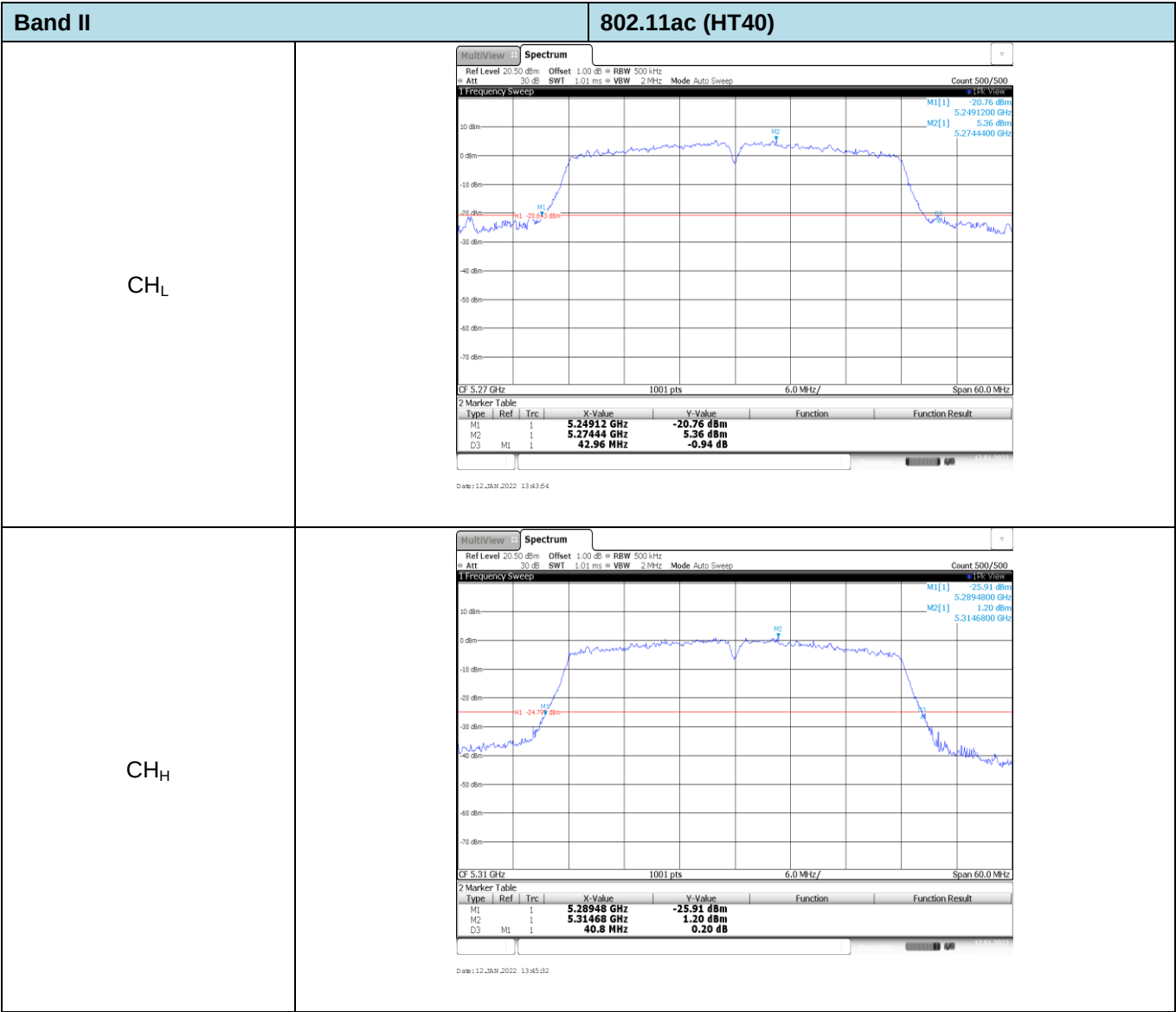






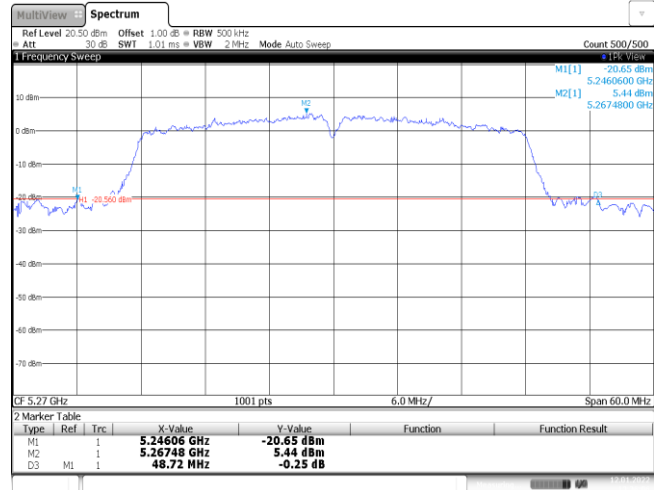




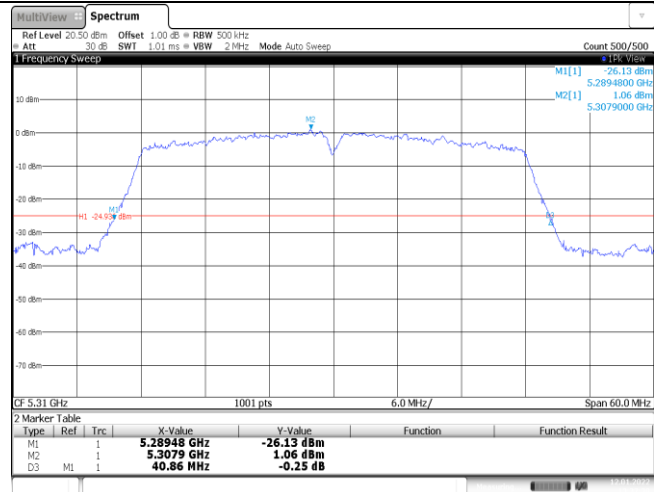


Band II

802.11n (HT40)

CH_L

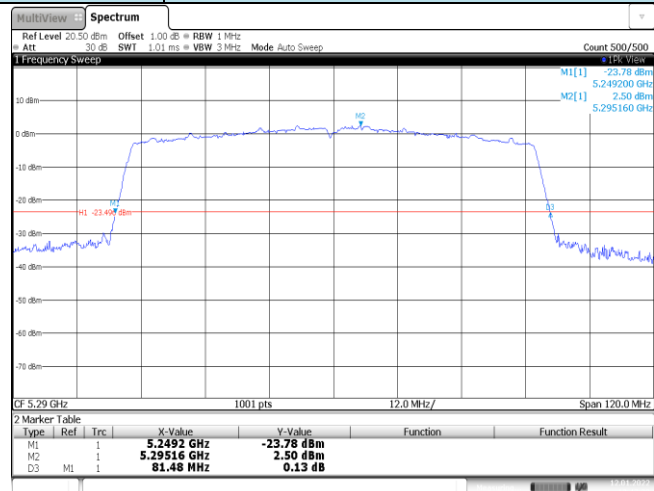
Date: 12 JAN 2022 13:36:06

CH_H

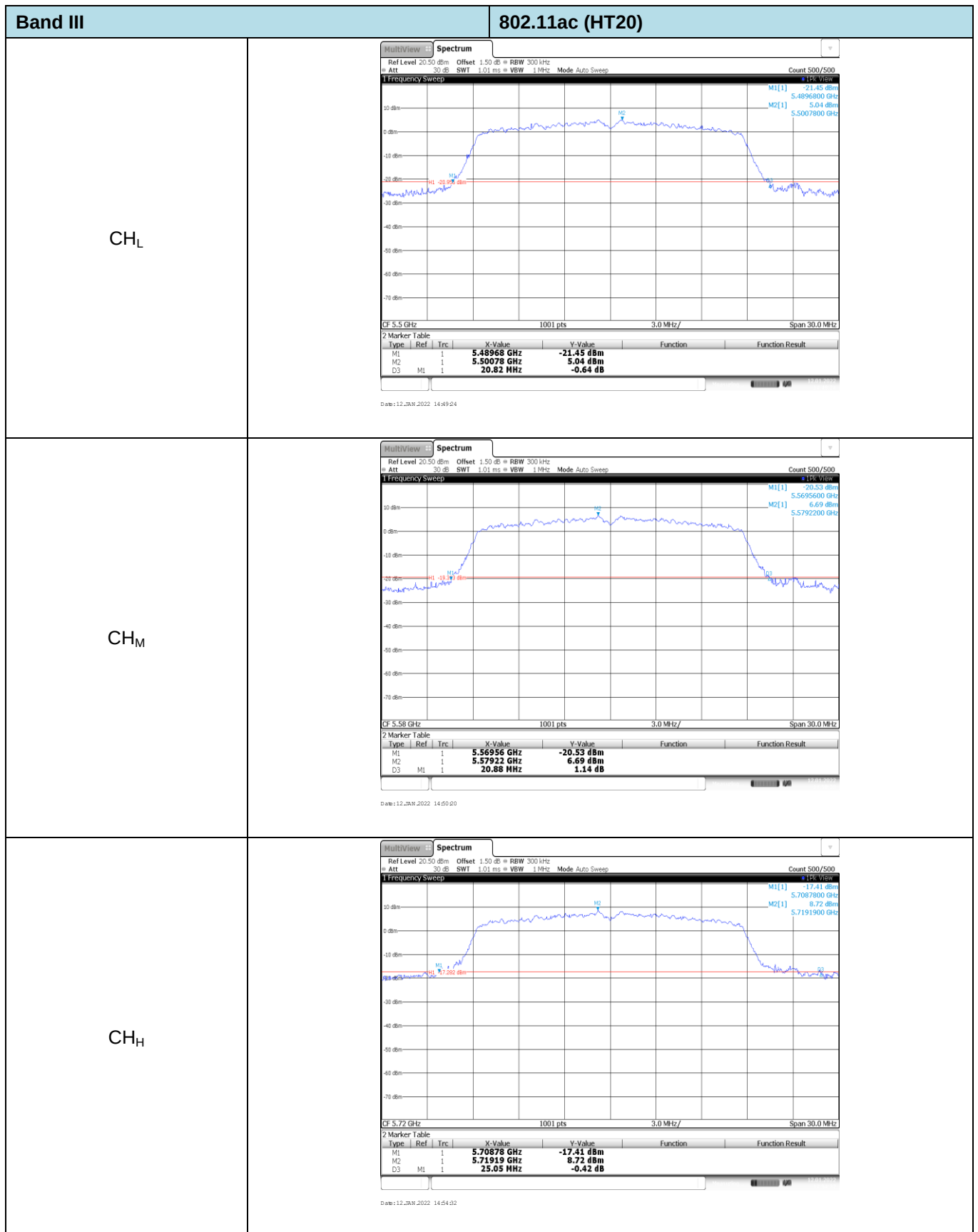
Date: 12 JAN 2022 13:37:09

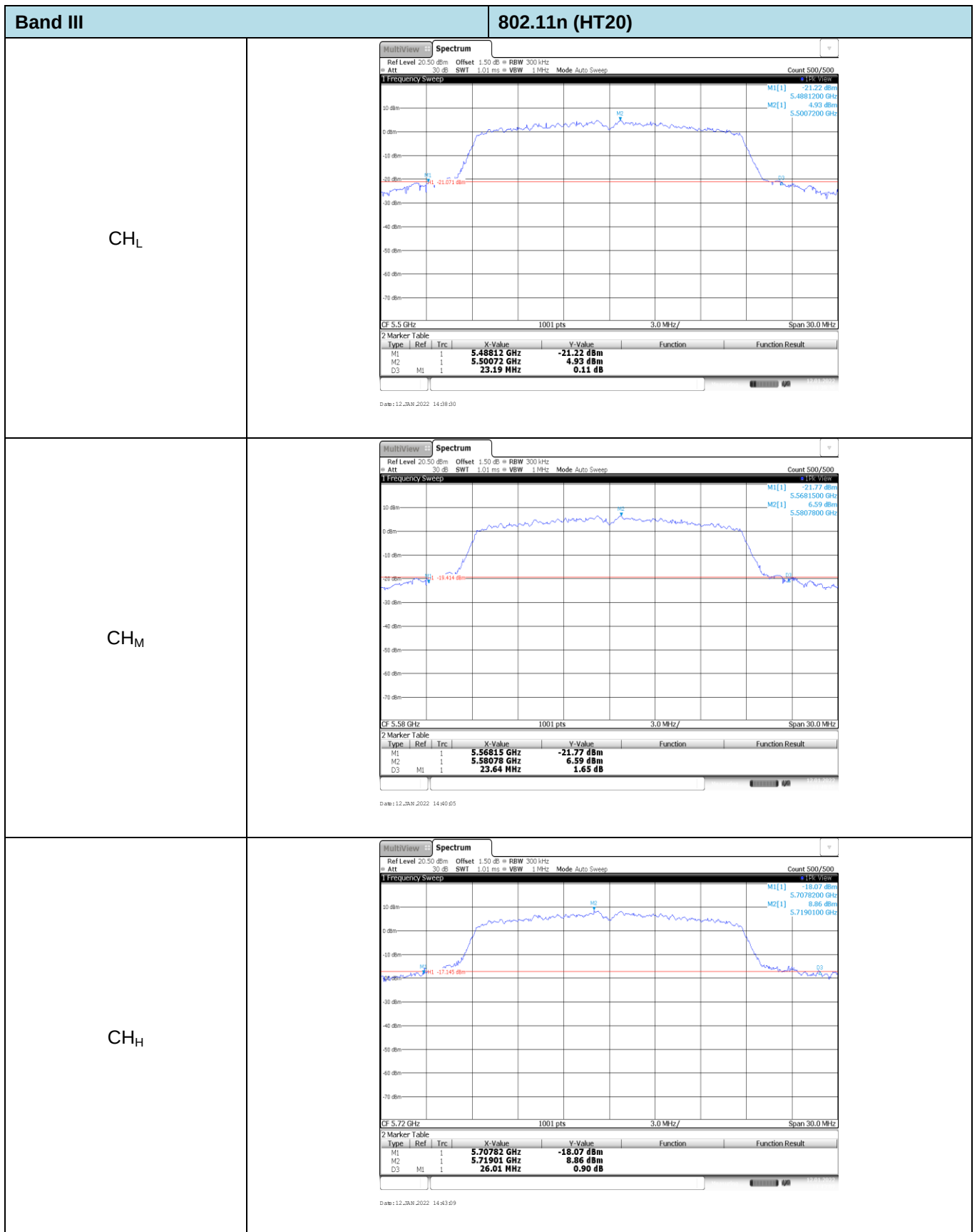
Band II

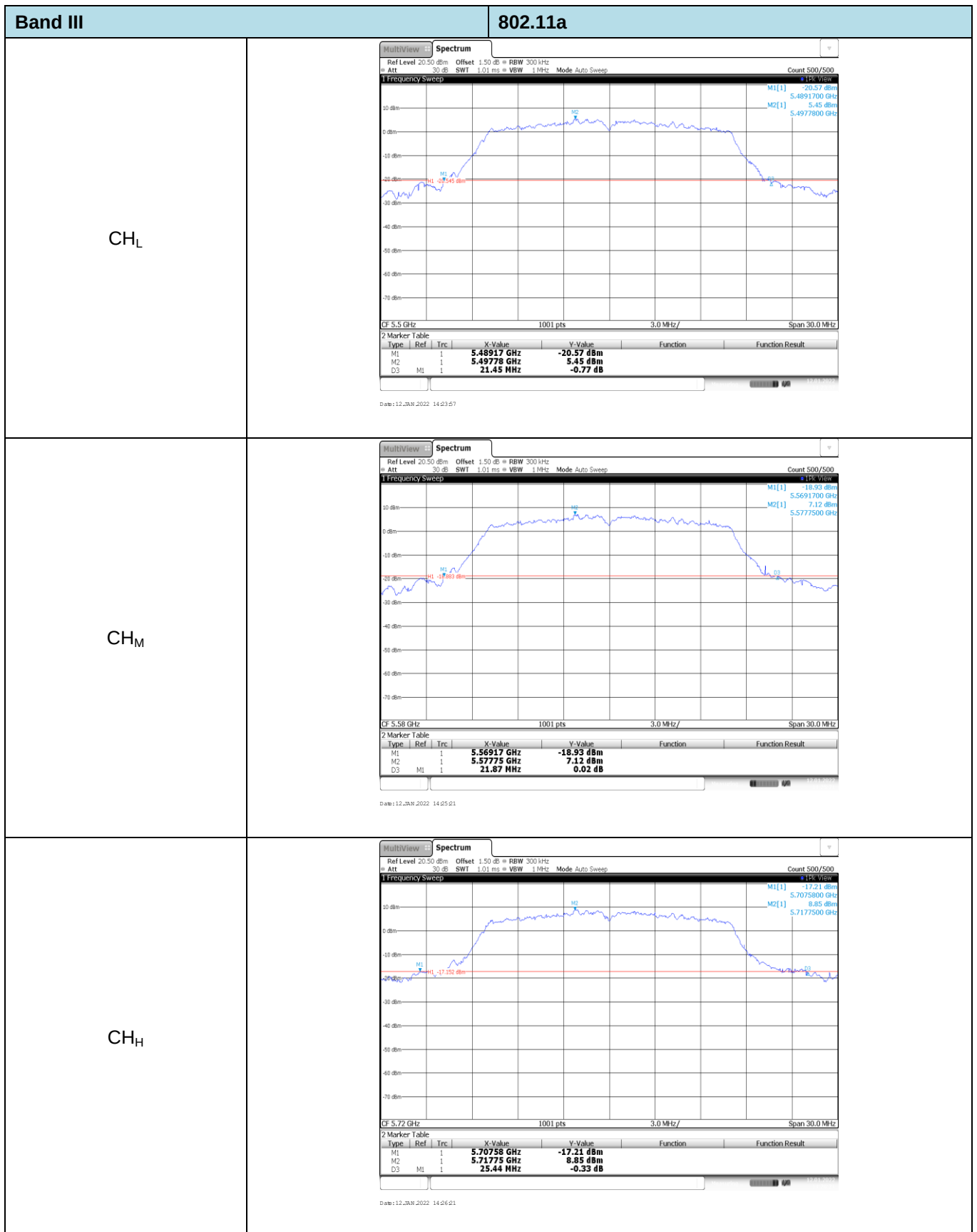
802.11ac (HT80)

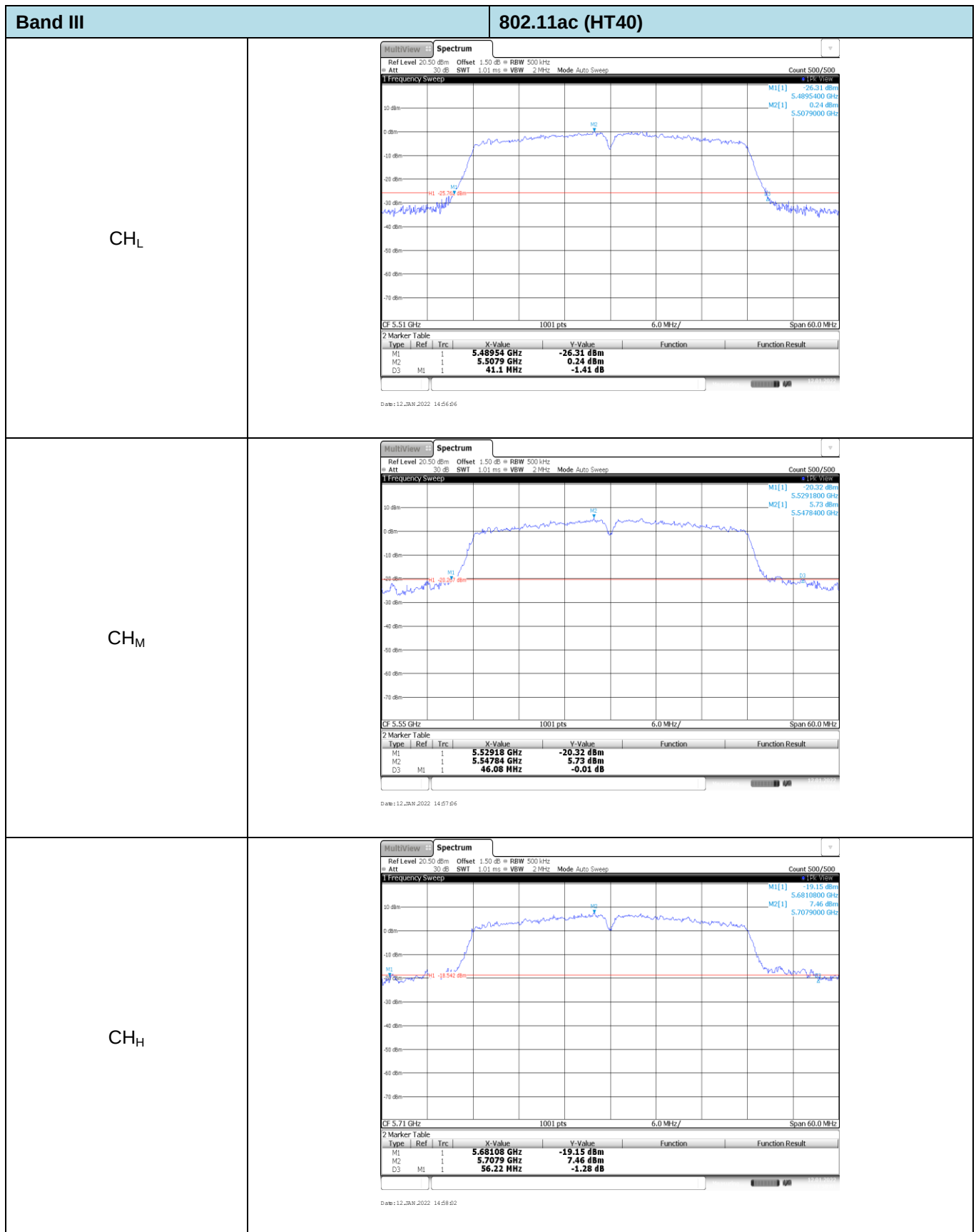
CH_M

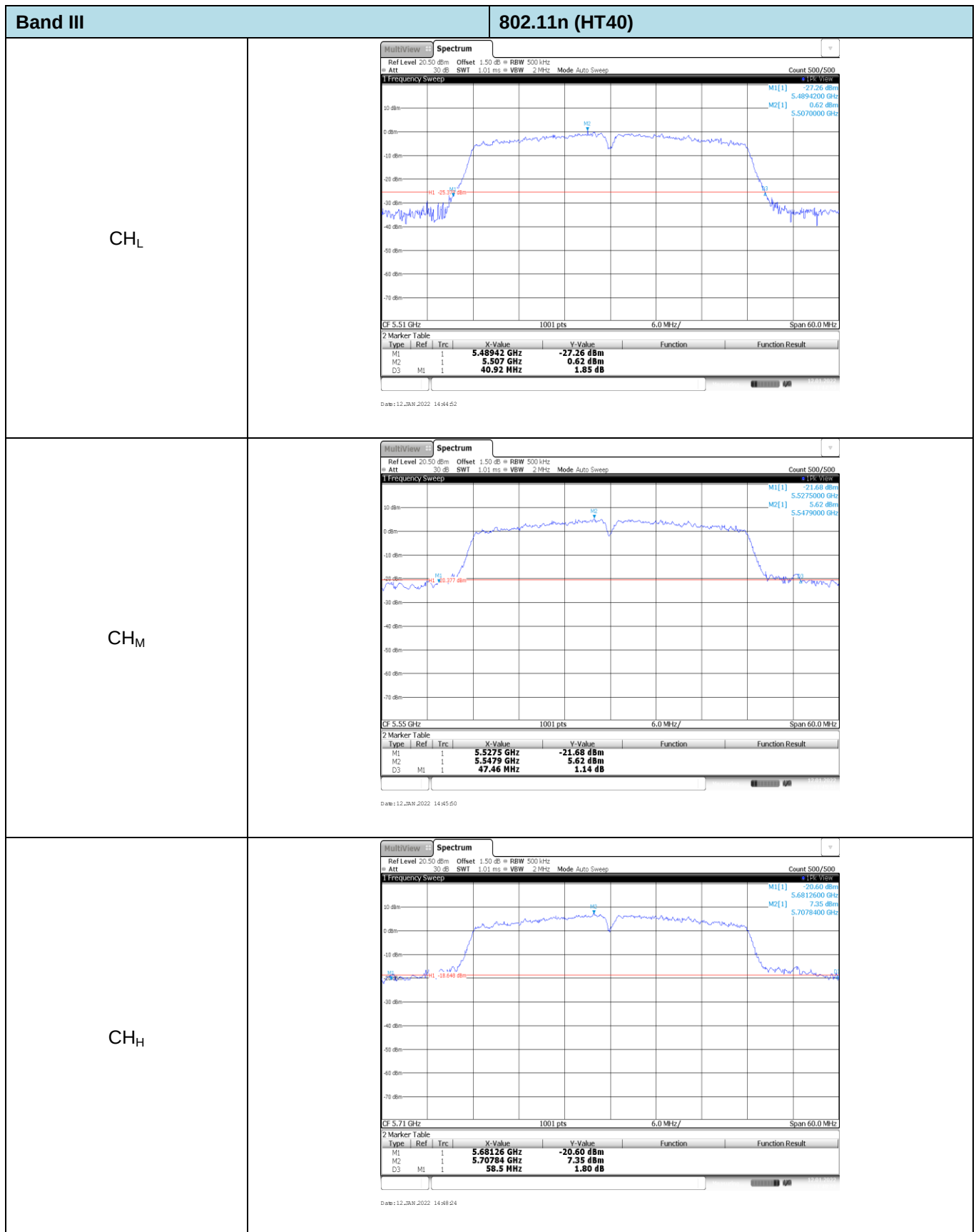
Date: 12 JAN 2022 13:47:49

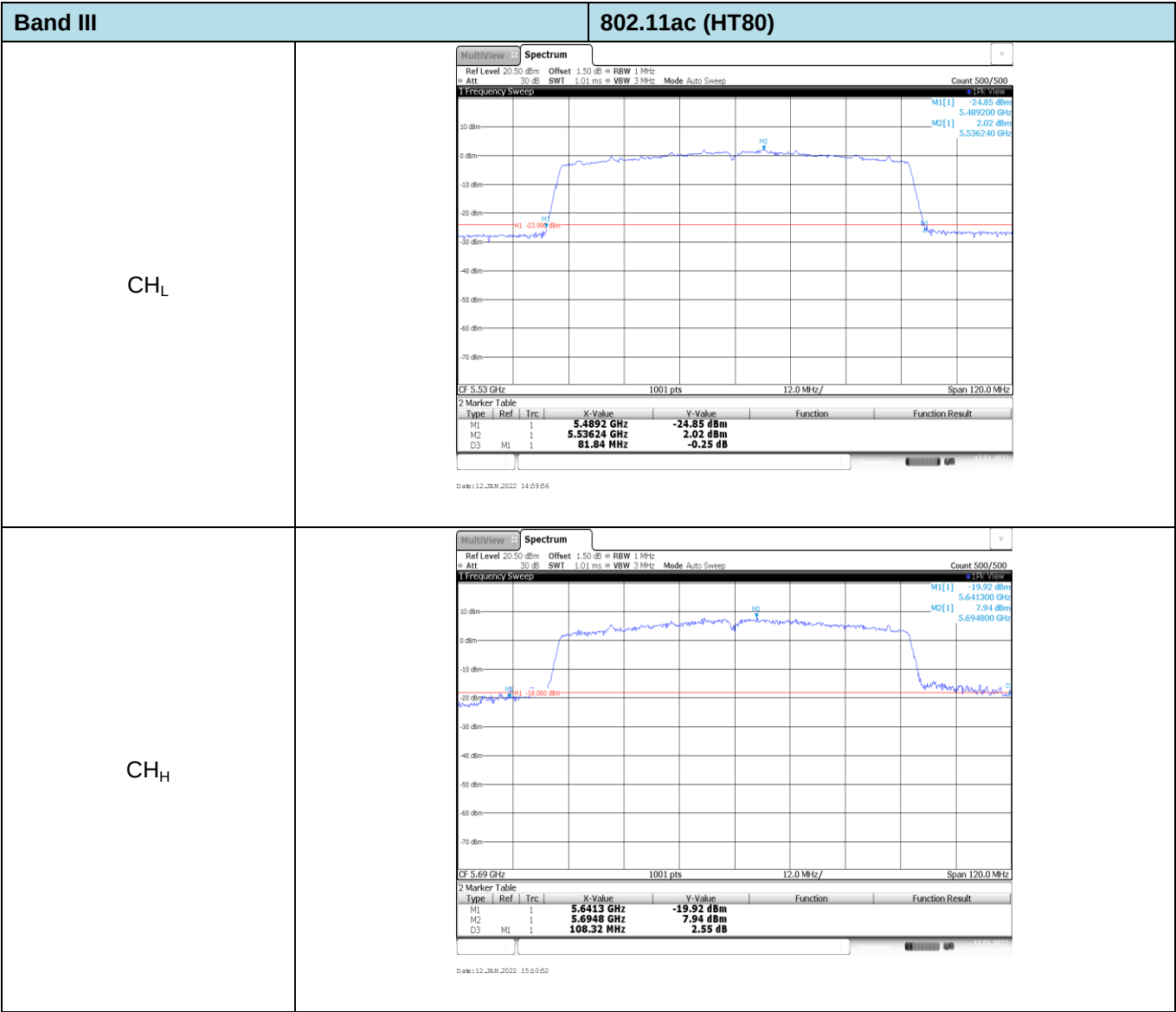








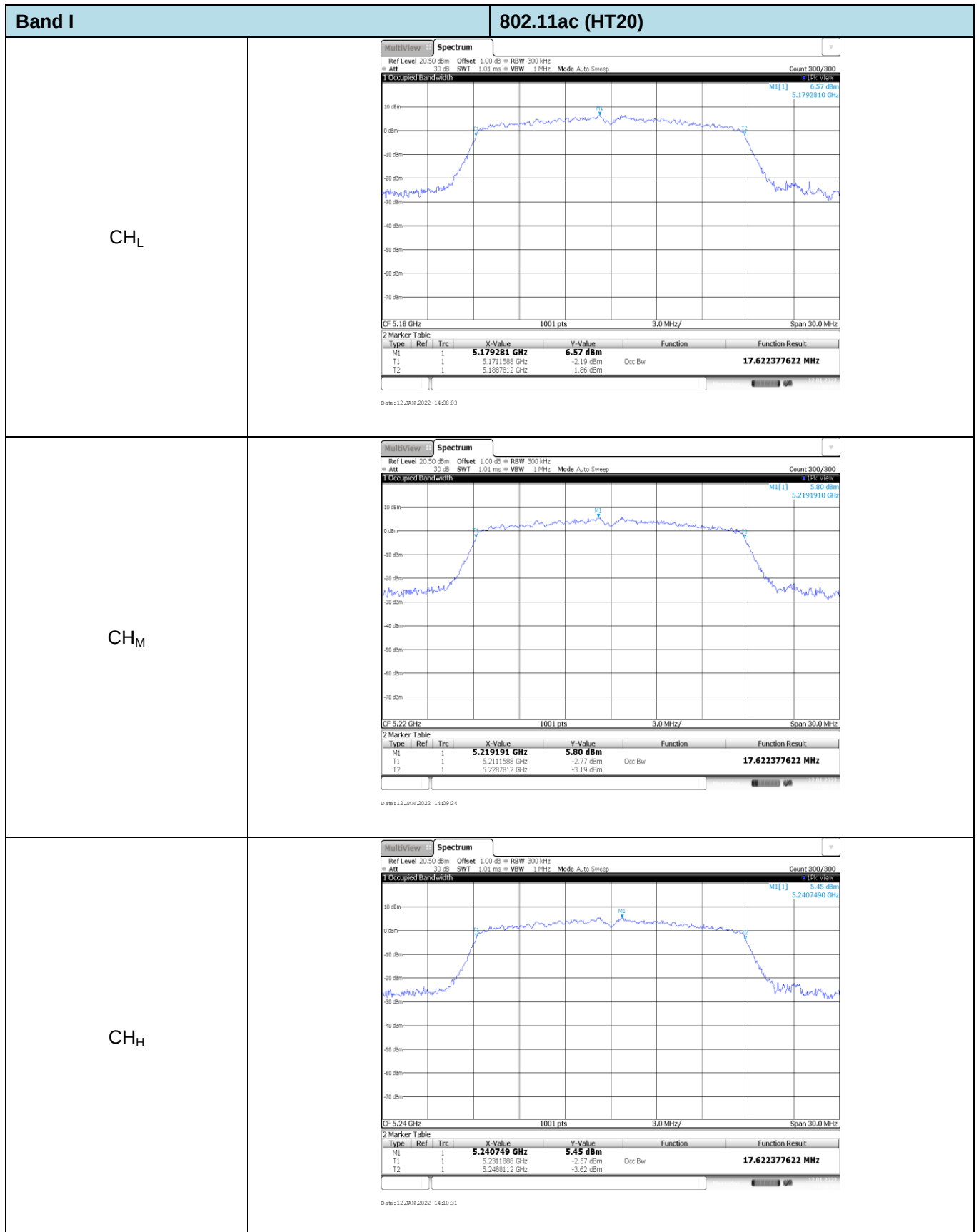




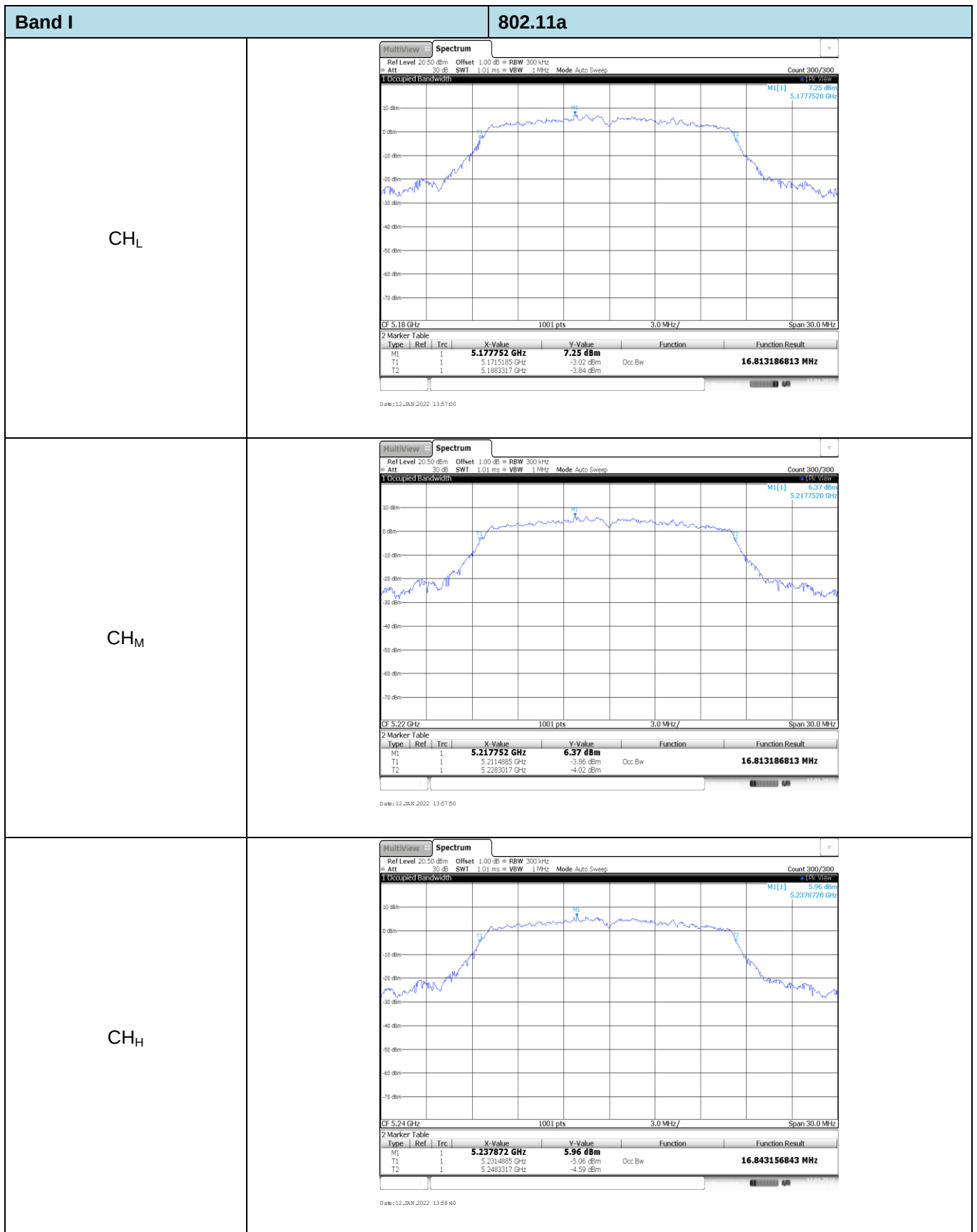
Appendix D: 99% Occupy bandwidth

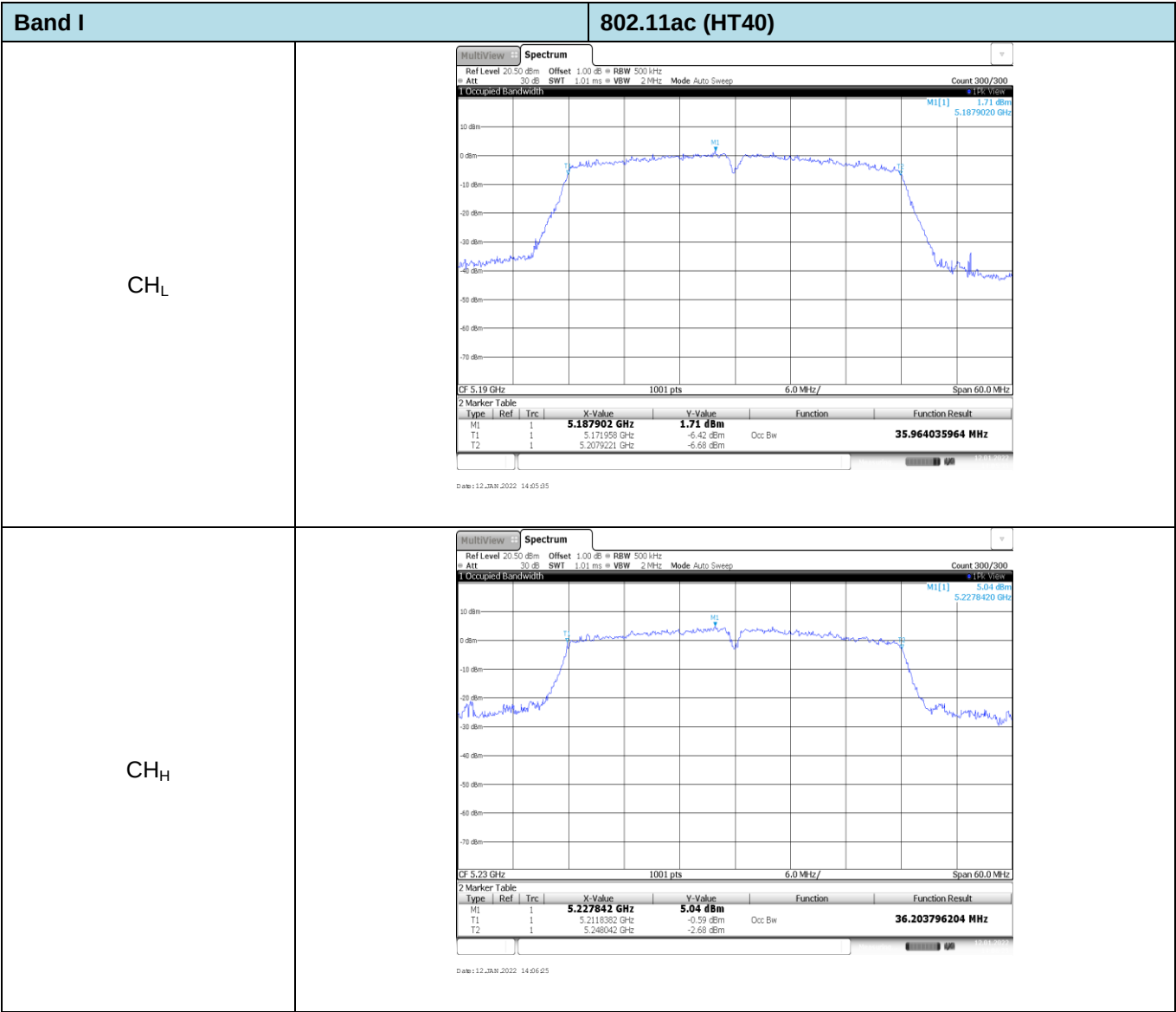
Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
I	20	802.11ac	CH _L	17.62	Pass
			CH _M	17.62	
			CH _H	17.62	
		802.11n	CH _L	17.68	Pass
			CH _M	17.71	
			CH _H	17.71	
		802.11a	CH _L	16.81	Pass
			CH _M	16.81	
			CH _H	16.84	
	40	802.11ac	CH _L	35.96	Pass
			CH _H	36.20	
		802.11n	CH _L	35.96	Pass
			CH _H	36.20	
	80	802.11ac	CH _M	75.17	Pass
II	20	802.11ac	CH _L	17.62	Pass
			CH _M	17.65	
			CH _H	17.65	
		802.11n	CH _L	17.71	Pass
			CH _M	17.74	
			CH _H	17.71	
		802.11a	CH _L	16.84	Pass
			CH _M	16.84	
			CH _H	16.81	
	40	802.11ac	CH _L	36.02	Pass
			CH _H	35.96	
		802.11n	CH _L	36.26	Pass
			CH _H	36.02	
	80	802.11ac	CH _M	75.05	Pass

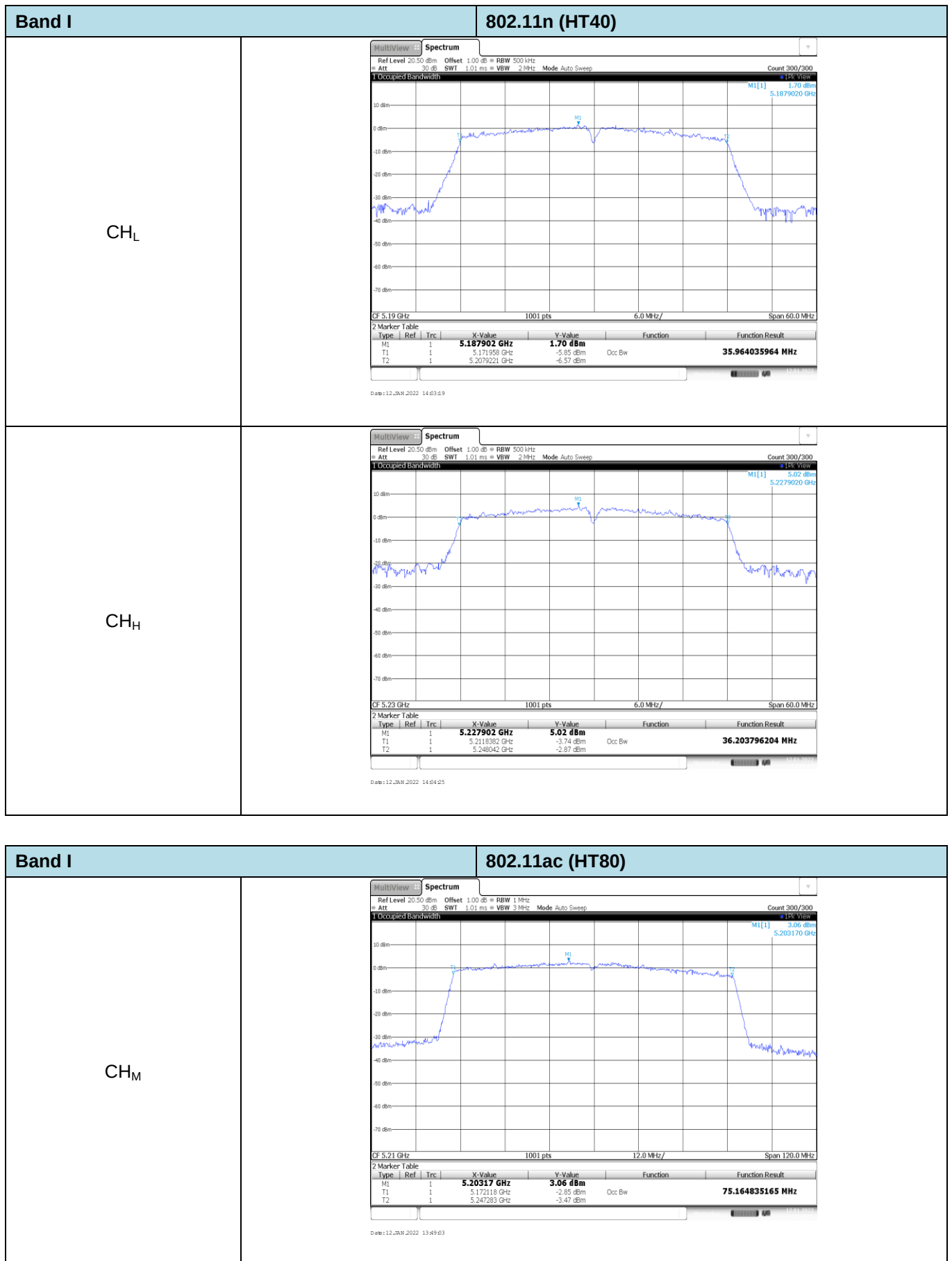
Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
III	20	802.11ac	CH _L	17.65	Pass
			CH _M	17.65	
			CH _H	17.80	
		802.11n	CH _L	17.68	Pass
			CH _M	17.68	
			CH _H	17.83	
		802.11a	CH _L	16.87	Pass
			CH _M	16.81	
			CH _H	16.93	
	40	802.11ac	CH _L	36.08	Pass
			CH _M	36.08	
			CH _H	36.26	
		802.11n	CH _L	36.08	Pass
			CH _M	36.26	
			CH _H	36.32	
	80	802.11ac	CH _L	75.29	Pass
			CH _H	75.52	
V	20	802.11ac	CH _L	17.77	Pass
			CH _M	17.86	
			CH _H	17.83	
		802.11n	CH _L	17.83	Pass
			CH _M	17.89	
			CH _H	17.92	
		802.11a	CH _L	16.90	Pass
			CH _M	16.93	
			CH _H	16.99	
	40	802.11ac	CH _L	36.38	Pass
			CH _H	36.44	
		802.11n	CH _L	36.38	Pass
			CH _H	36.47	
	80	802.11ac	CH _M	75.17	Pass



Band I		802.11n (HT20)
CH _L	MultView 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 300/300 Occupied Bandwidth	

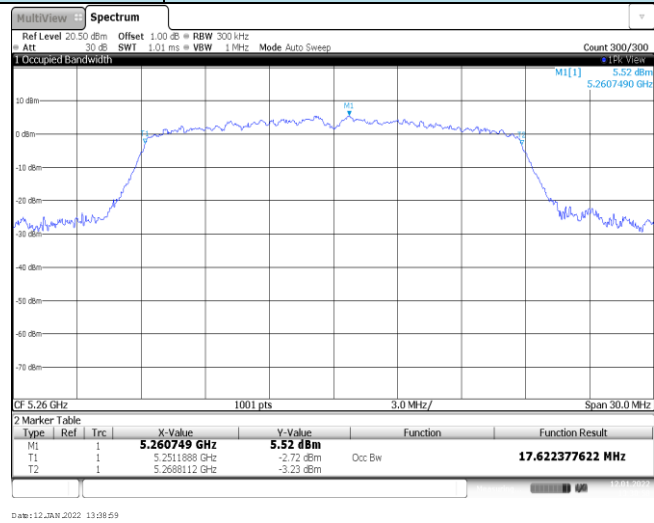
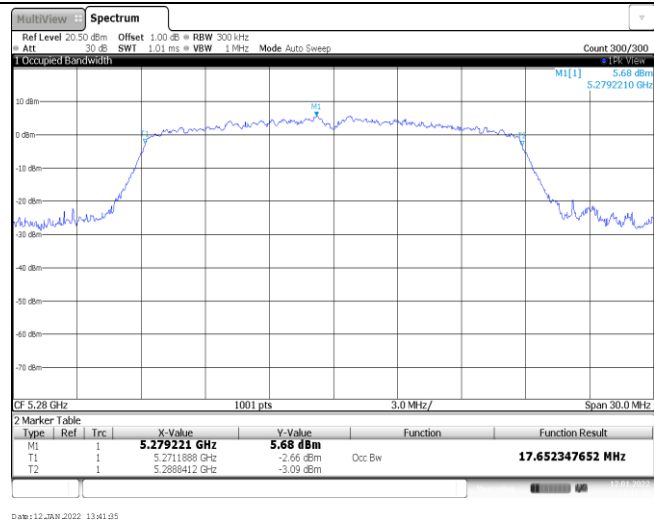
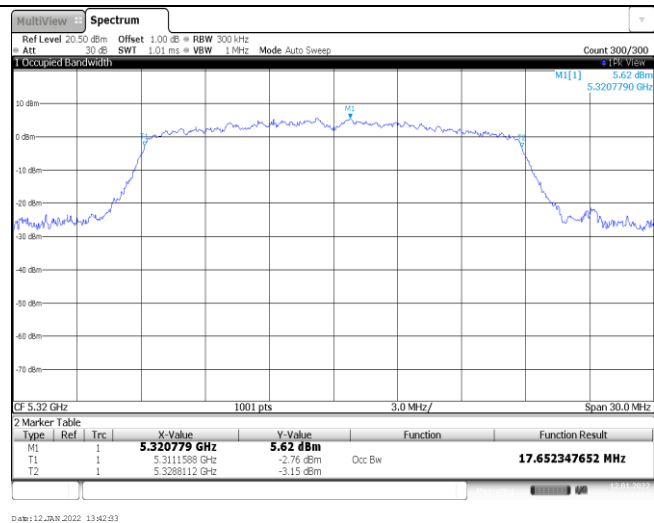






Band II

802.11ac (HT20)

CH_LCH_MCH_H

Appendix report page: 53 of 77

