

APPENDIX REPORT

Project No.	SHT2104006201EW	Radio Specification	WIFI 5G
Test sample No.	YPHT21040062001	Model No.	RBcAPGi-5acD2nD-XL
Start test date	2021-04-28	Finish date	2021-04-28
Temperature	23.9°C	Humidity	32%
Test Engineer	Hailey Chen	Auditor	Xiaodong Zhao

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	Band width (MHz)	Type	Channel	Reading (dBm)		Duty cycle (%)		Duty cycle factor (dB)		Conducted Output Power (dBm)		Total Power (dBm)	Limit (dBm)	Result
				Antenna 0	Antenna 1	Antenna 0	Antenna 1	Antenna 0	Antenna 1	Antenna 0	Antenna 1			
I	20	802.11ac	CH _L	12.59	12.32	94.67	93.41	0.24	0.30	12.83	12.62	15.71	30.00	Pass
			CH _M	12.65	12.85	93.41	93.81	0.30	0.28	12.95	13.13	16.06		
			CH _H	12.50	13.19	92.63	94.20	0.33	0.26	12.83	13.45	16.17		
		802.11n	CH _L	13.36	13.09	94.65	92.93	0.24	0.32	13.60	13.41	16.51	30.00	Pass
			CH _M	13.57	13.61	94.18	94.58	0.26	0.24	13.83	13.85	16.86		
			CH _H	13.31	13.98	91.82	94.65	0.37	0.24	13.68	14.22	16.97		
		802.11a	CH _L	15.94	15.31	92.70	93.80	0.33	0.28	16.27	15.59	--	30.00	Pass
			CH _M	15.89	15.90	93.37	92.28	0.30	0.35	16.19	16.25	--		
			CH _H	15.69	16.16	94.55	93.06	0.24	0.31	15.93	16.47	--		
	40	802.11ac	CH _L	11.91	12.31	88.96	89.70	0.51	0.47	12.42	12.78	15.61	30.00	Pass
			CH _H	11.99	12.67	84.74	89.02	0.72	0.51	12.71	13.18	15.97		
		802.11n	CH _L	12.96	13.93	94.53	91.98	0.24	0.36	13.20	14.29	16.80	30.00	Pass
			CH _H	12.51	13.15	94.47	87.43	0.25	0.58	12.76	13.73	16.28		
	80	802.11ac	CH _M	12.85	12.97	77.26	74.97	1.12	1.25	13.97	14.22	17.11	30.00	Pass

Band	Band width (MHz)	Type	Channel	Reading (dBm)		Duty cycle (%)		Duty cycle factor (dB)		Conducted Output Power (dBm)		Total Power (dBm)	Limit (dBm)	Result
				Antenna 0	Antenna 1	Antenna 0	Antenna 1	Antenna 0	Antenna 1	Antenna 0	Antenna 1			
IV	20	802.11ac	CH _L	12.92	13.61	93.86	93.41	0.28	0.30	13.20	13.91	16.57	30.00	Pass
			CH _M	13.07	12.92	92.24	92.18	0.35	0.35	13.42	13.27	16.36		
			CH _H	13.88	13.41	93.02	93.41	0.31	0.30	14.19	13.71	16.97		
		802.11n	CH _L	12.94	13.60	92.99	93.78	0.32	0.28	13.26	13.88	16.62	30.00	Pass
			CH _M	13.61	13.84	94.65	93.78	0.24	0.28	13.85	14.12	17.01		
			CH _H	13.56	13.97	93.38	93.38	0.30	0.30	13.86	14.27	17.11		
		802.11a	CH _L	16.06	16.66	92.70	94.18	0.33	0.26	16.39	16.92	--	30.00	Pass
			CH _M	16.70	16.85	94.23	93.80	0.26	0.28	16.96	17.13	--		
			CH _H	16.89	16.96	94.17	93.37	0.26	0.30	17.15	17.26	--		
	40	802.11ac	CH _L	12.59	12.96	89.75	85.41	0.47	0.68	13.06	13.64	16.37	30.00	Pass
			CH _H	13.06	13.47	86.09	92.10	0.65	0.36	13.71	13.83	16.78		
		802.11n	CH _L	12.43	12.78	88.93	90.43	0.51	0.44	12.94	13.22	16.06	30.00	Pass
			CH _H	12.59	12.82	88.93	88.93	0.51	0.51	13.10	13.33	16.21		
	80	802.11ac	CH _M	12.68	12.10	82.21	78.44	0.85	1.05	13.53	13.15	16.35	30.00	Pass

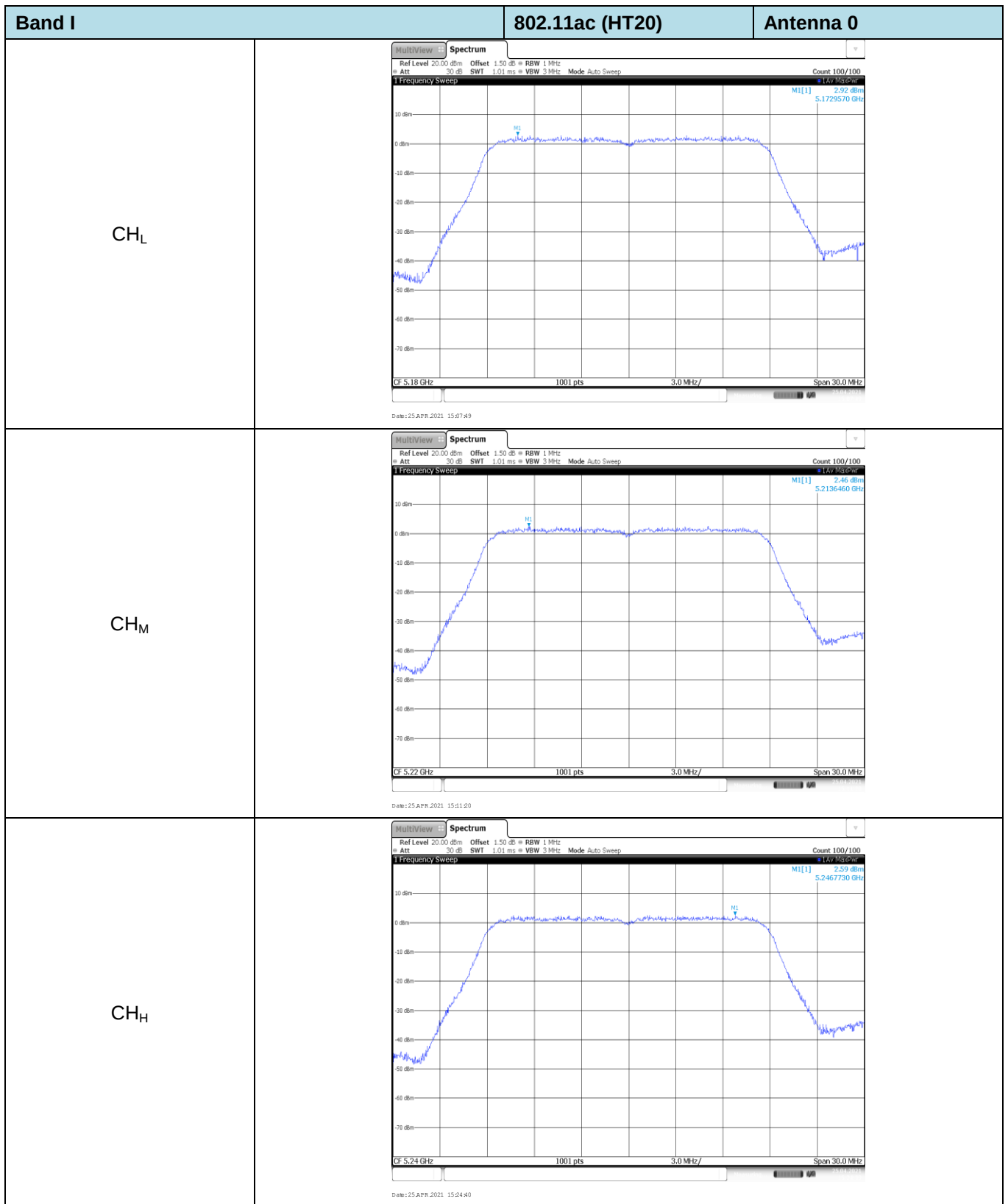
NOTE: duty cycle factor =10LOG(1/ duty cycle)

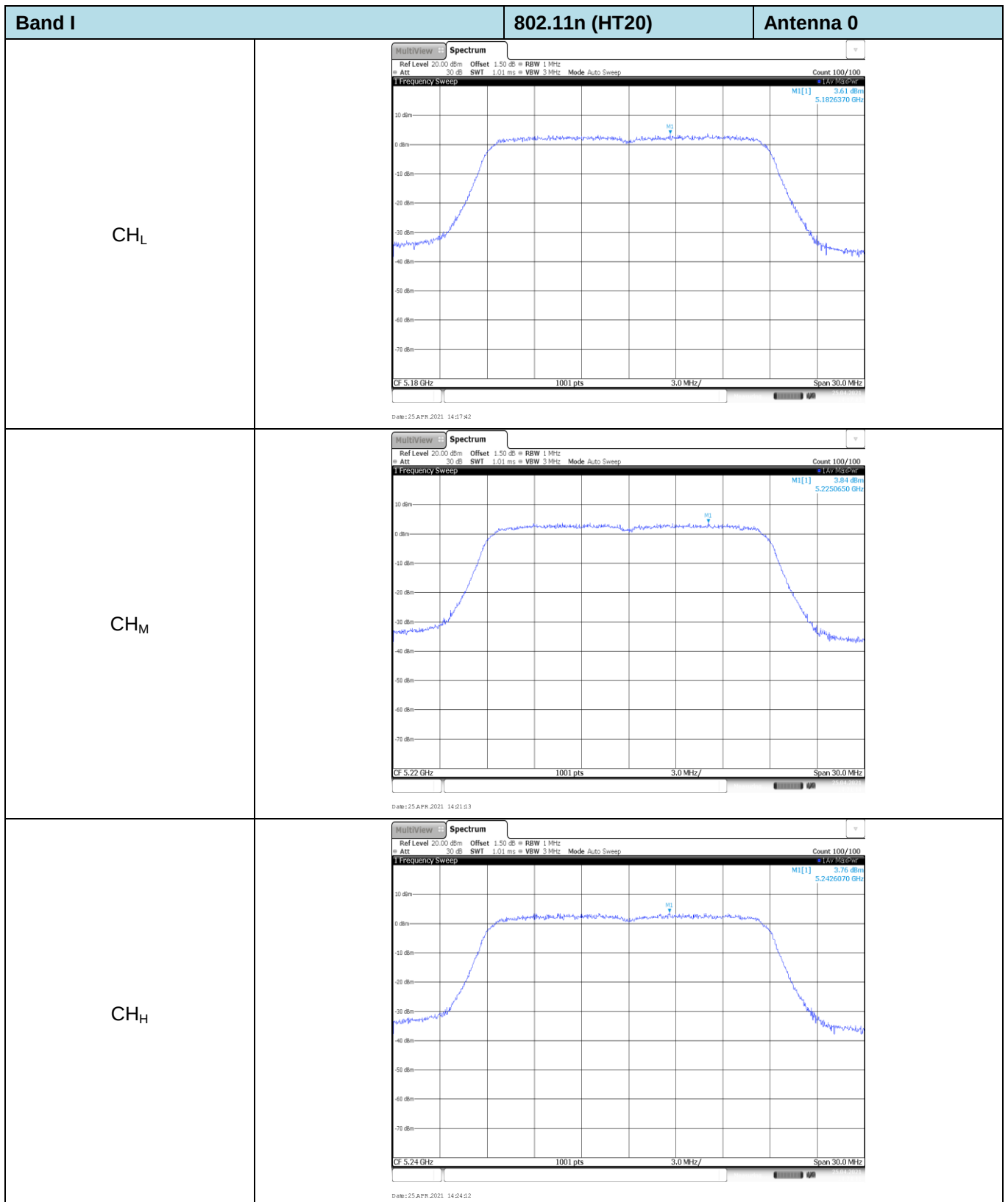
Appendix B: Maximum Power Spectral Density

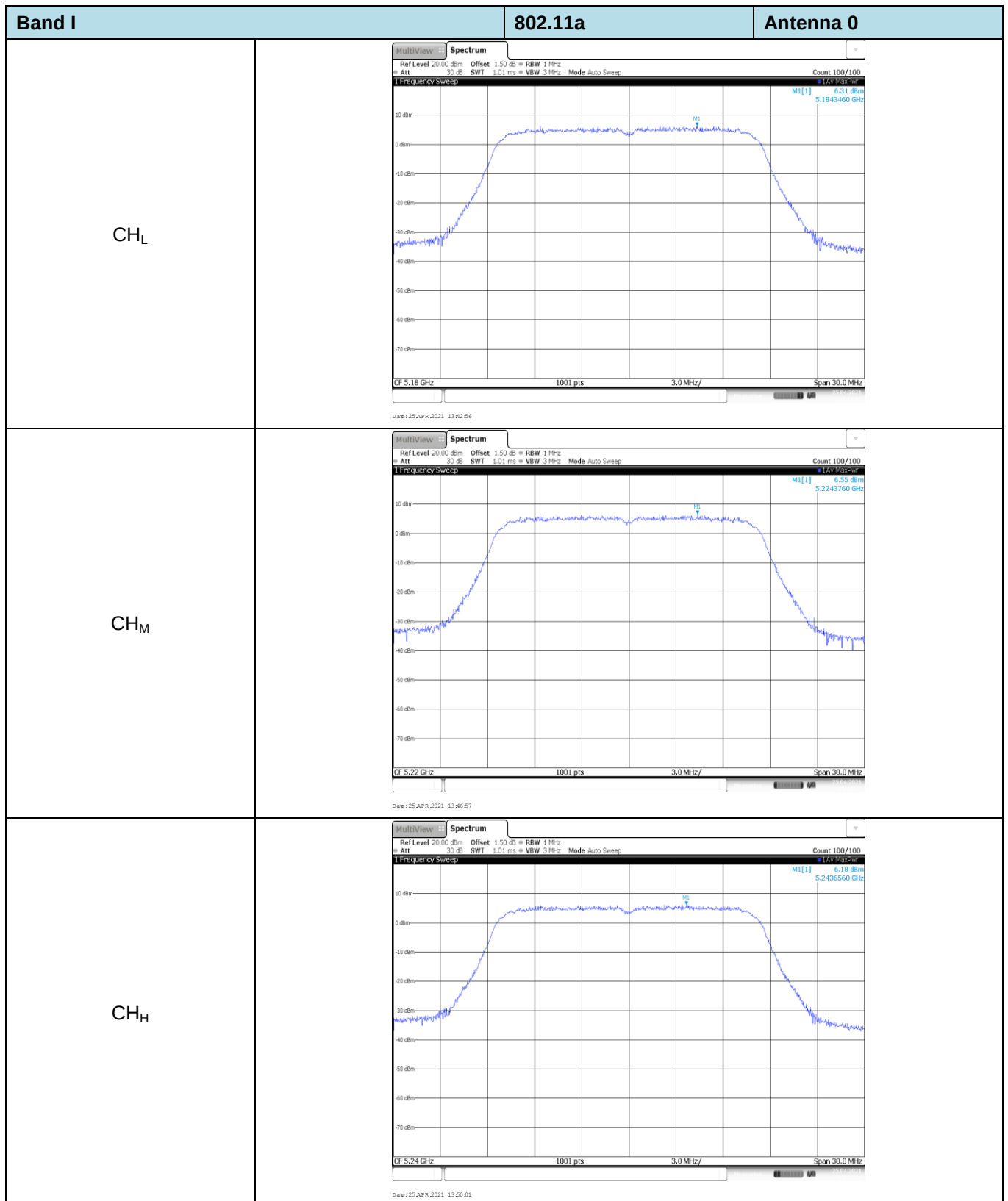
Band	Band width (MHz)	Type	Channel	Reading (dBm)		Duty cycle (%)		Duty cycle factor (dB)		Power Spectral Density (dBm/MHz)		Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
				Antenna 0	Antenna 1	Antenna 0	Antenna 1	Antenna 0	Antenna 1	Antenna 0	Antenna 1			
I	20	802.11ac	CH _L	2.92	3.07	94.67	93.41	0.24	0.30	3.16	3.37	6.28	14.50	Pass
			CH _M	2.46	2.94	93.41	93.81	0.30	0.28	2.76	3.22	6.01		
			CH _H	2.59	3.51	92.63	94.20	0.33	0.26	2.92	3.77	6.38		
		802.11n	CH _L	3.61	4.37	94.65	92.93	0.24	0.32	3.85	4.69	7.30	14.50	Pass
			CH _M	3.84	4.16	94.18	94.58	0.26	0.24	4.10	4.40	7.26		
			CH _H	3.76	4.82	91.82	94.65	0.37	0.24	4.13	5.06	7.63		
		802.11a	CH _L	6.31	5.73	92.70	93.80	0.33	0.28	6.64	6.01	--	14.50	Pass
			CH _M	6.55	6.35	93.37	92.28	0.30	0.35	6.85	6.70	--		
			CH _H	6.18	6.63	94.55	93.06	0.24	0.31	6.42	6.94	--		
	40	802.11ac	CH _L	-0.03	-1.05	88.96	89.70	0.51	0.47	0.48	-0.58	2.99	14.50	Pass
			CH _H	-1.06	-0.72	84.74	89.02	0.72	0.51	-0.34	-0.21	2.74		
		802.11n	CH _L	1.09	1.18	94.53	91.98	0.24	0.36	1.33	1.54	4.45	14.50	Pass
			CH _H	0.06	0.49	94.47	87.43	0.25	0.58	0.31	1.07	3.72		
	80	802.11ac	CH _M	-3.22	-2.88	77.26	74.97	1.12	1.25	-2.10	-1.63	1.15	14.50	Pass

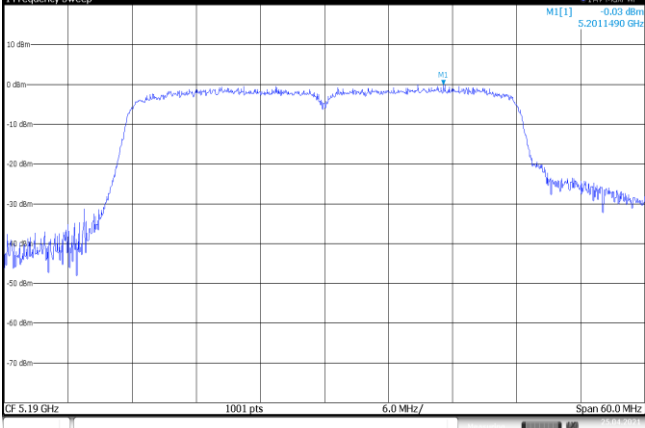
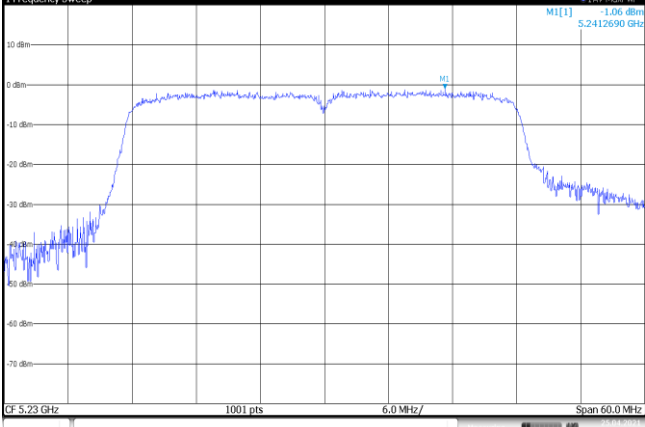
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)		Duty cycle (%)		Duty cycle factor (dB)		Power Spectral Density (dBm/500kHz)		Total PSD (dBm/500 MHz)	Limit (dBm/500 KHz)	Result
				Antenna 0	Antenna 1	Antenna 0	Antenna 1	Antenna 0	Antenna 1	Antenna 0	Antenna 1			
IV	20	802.11ac	CH _L	1.54	2.10	93.86	93.41	0.28	0.30	1.82	2.40	5.13	27.50	Pass
			CH _M	1.13	1.98	92.24	92.18	0.35	0.35	1.48	2.33	4.33		
			CH _H	2.35	1.93	93.02	93.41	0.31	0.30	2.66	2.23	5.46		
		802.11n	CH _L	1.67	2.24	92.99	93.78	0.32	0.28	1.99	2.52	5.27	27.50	Pass
			CH _M	2.36	2.47	94.65	93.78	0.24	0.28	2.60	2.75	5.69		
			CH _H	2.08	2.78	93.38	93.38	0.30	0.30	2.38	3.08	5.75		
		802.11a	CH _L	4.52	5.28	92.70	94.18	0.33	0.26	4.85	5.54	--	27.50	Pass
			CH _M	4.36	5.30	94.23	93.80	0.26	0.28	4.62	5.58	--		
			CH _H	4.88	4.72	94.17	93.37	0.26	0.30	5.14	5.02	--		
	40	802.11ac	CH _L	-1.91	-1.56	89.75	85.41	0.47	0.68	-1.44	-0.88	1.86	27.50	Pass
			CH _H	-1.95	-1.42	86.09	92.10	0.65	0.36	-1.30	-1.06	2.51		
		802.11n	CH _L	-2.08	-1.66	88.93	90.43	0.51	0.44	-1.57	-1.22	1.62	27.50	Pass
			CH _H	-2.13	-2.11	88.93	88.93	0.51	0.51	-1.62	-1.60	1.40		
	80	802.11ac	CH _M	-4.87	-5.68	82.21	78.44	0.85	1.05	-4.02	-4.63	1.29	27.50	Pass

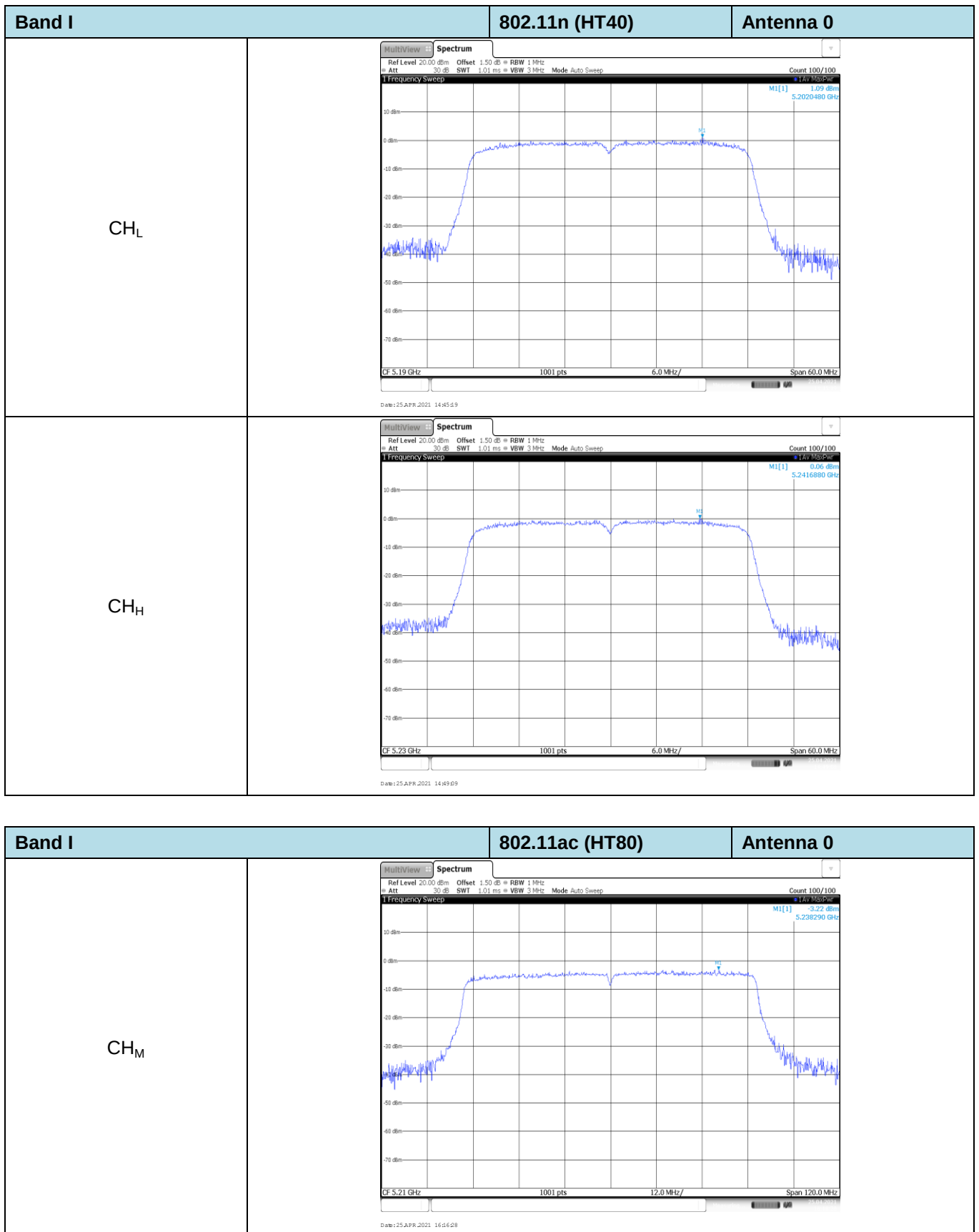
Test plot as follows:

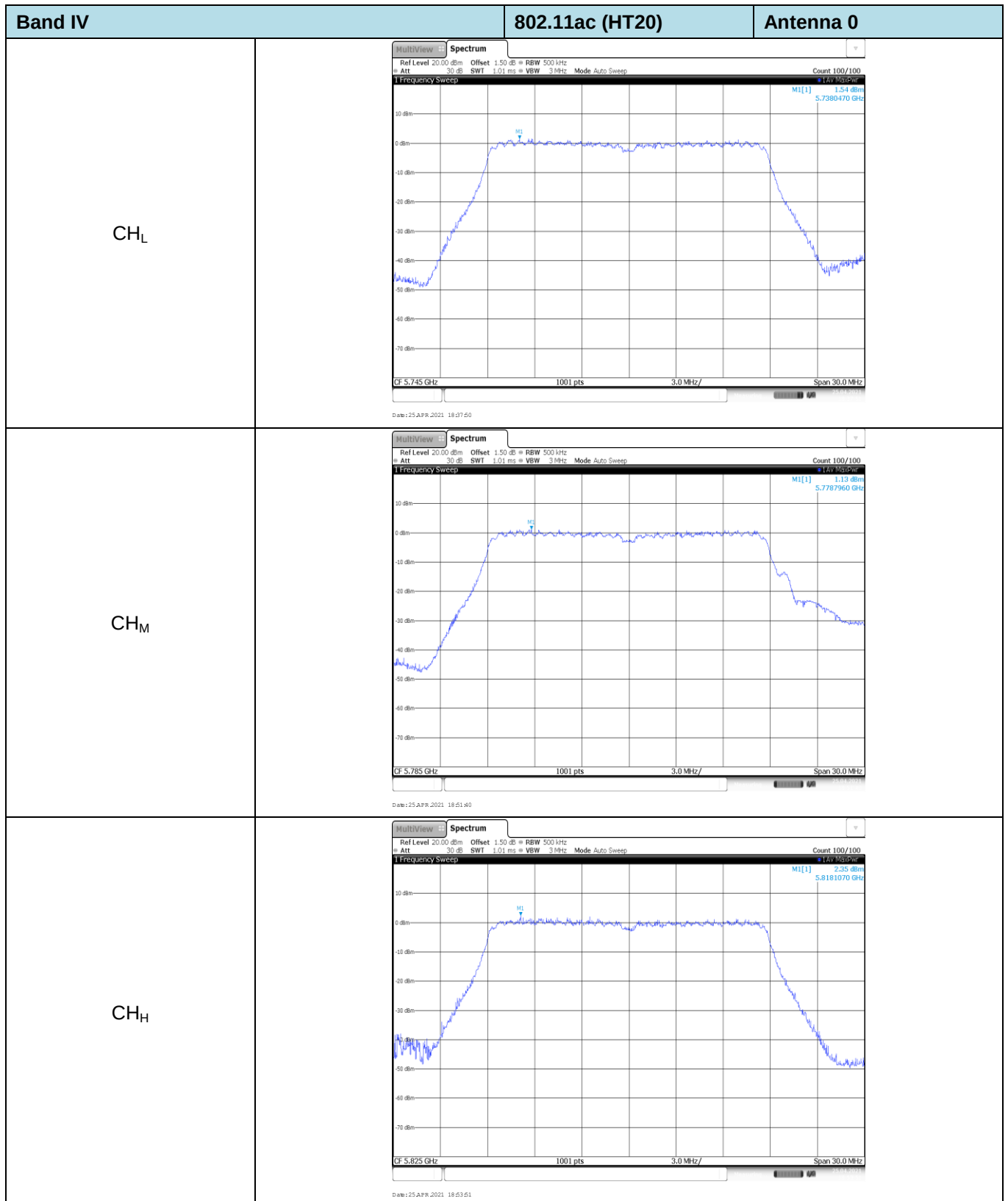




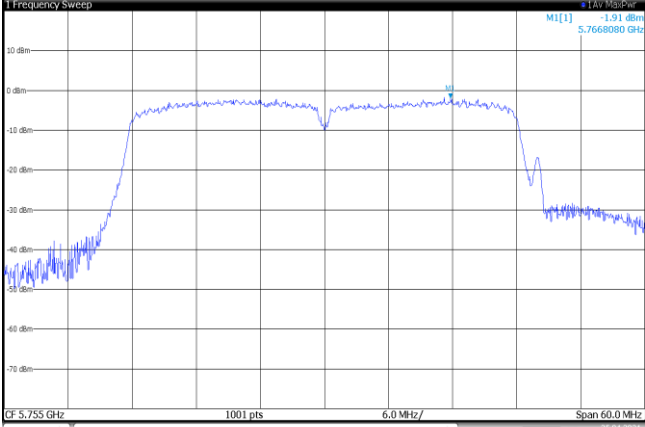
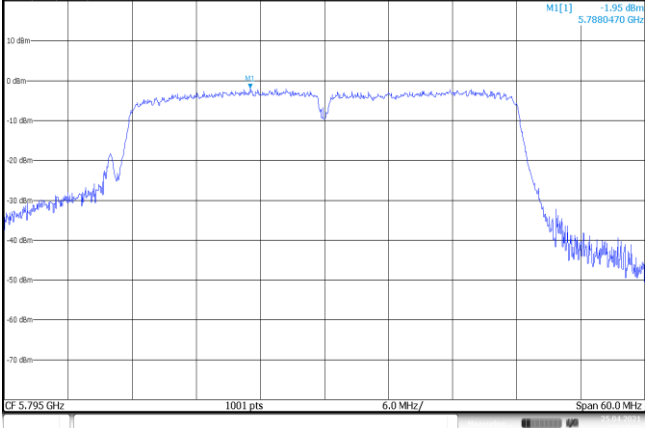


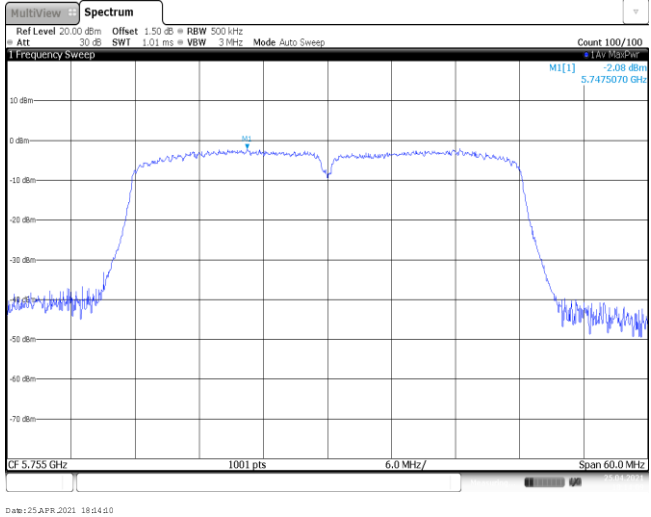
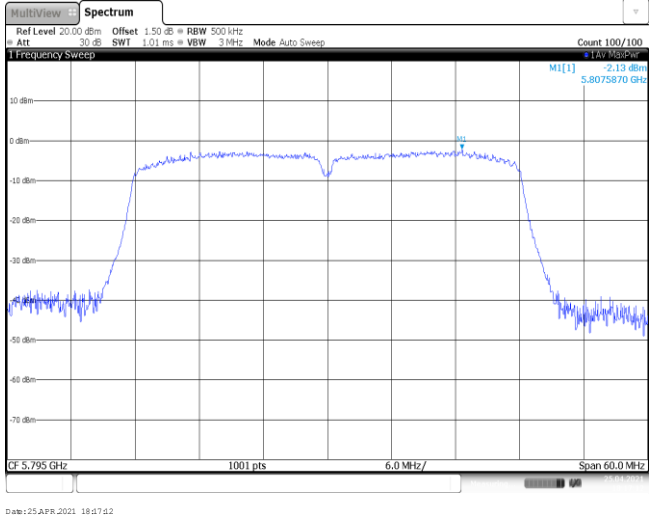
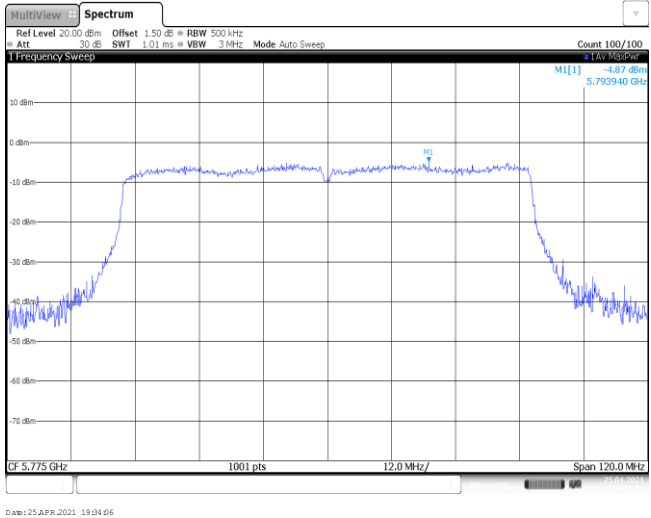
Band I		802.11ac (HT40)	Antenna 0
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.00 Offset 1.50 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT MdBm 1 Frequency Sweep  CF 5.19 GHz1001 pts6.0 MHz/Span 60.0 MHz Date: 25 APR 2021 15:49:02		
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30.00 Offset 1.50 dB RBW 1 MHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 ↑TAT MdBm 1 Frequency Sweep  CF 5.23 GHz1001 pts6.0 MHz/Span 60.0 MHz Date: 25 APR 2021 15:55:04		



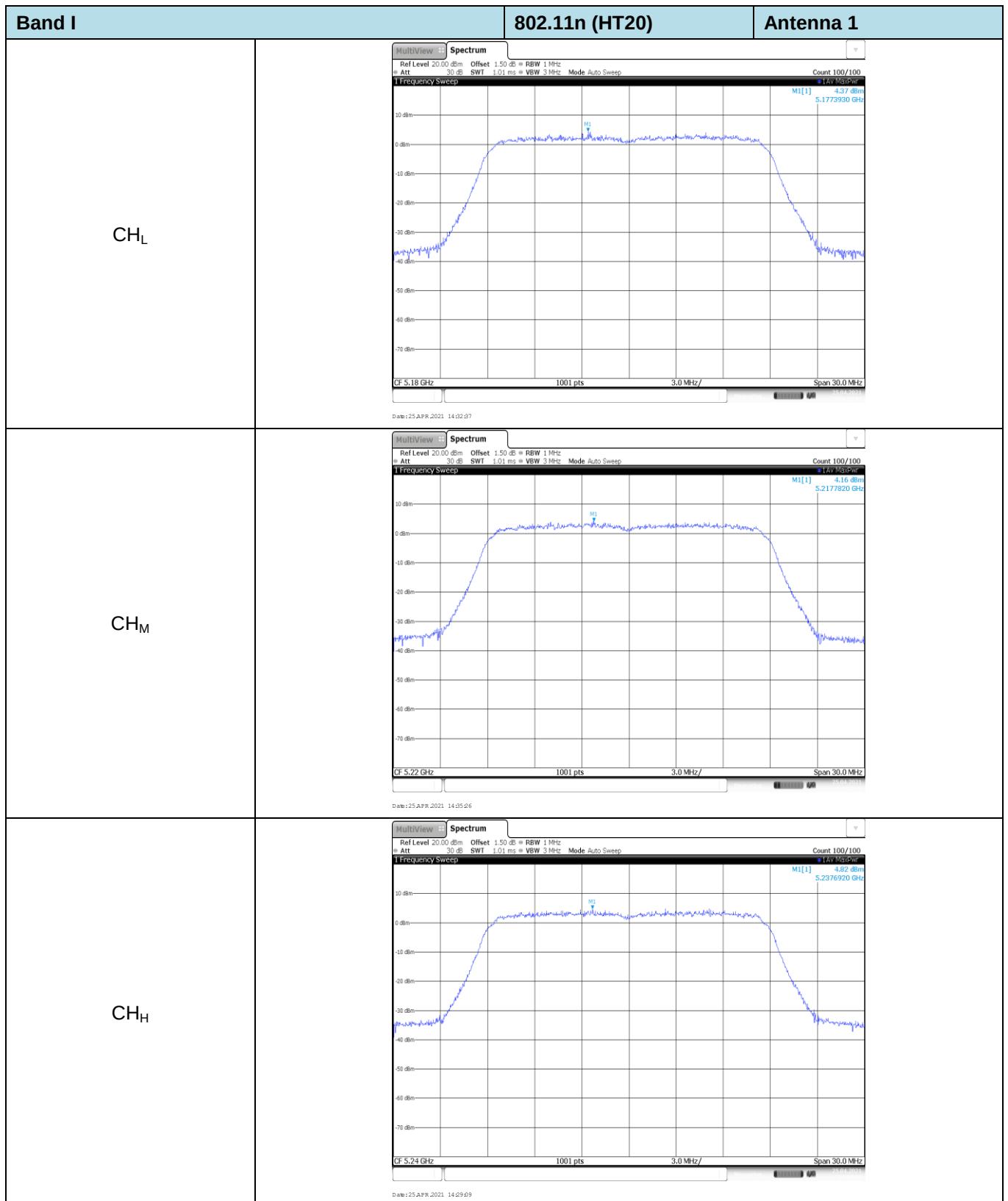


Band IV		802.11a	Antenna 0
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.50 dB BW 500 kHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 5.745 GHz Frequency Sweep 30 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm 5.745 GHz 5.7442510 GHz 4.52 dBm M1[1] 1001 pts 3.0 MHz/ Span 30.0 MHz CF 5.745 GHz Date: 25 APR 2021 17:04:53		
CH _M	MultiView Spectrum Ref Level 20.00 dBm Offset 1.50 dB BW 500 kHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 5.785 GHz Frequency Sweep 30 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm 5.785 GHz 5.7824530 GHz 4.56 dBm M1[1] 1001 pts 3.0 MHz/ Span 30.0 MHz CF 5.785 GHz Date: 25 APR 2021 17:06:47		
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.50 dB BW 500 kHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 5.825 GHz Frequency Sweep 30 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm 5.825 GHz 5.8236210 GHz 4.58 dBm M1[1] 1001 pts 3.0 MHz/ Span 30.0 MHz CF 5.825 GHz Date: 25 APR 2021 17:08:23		

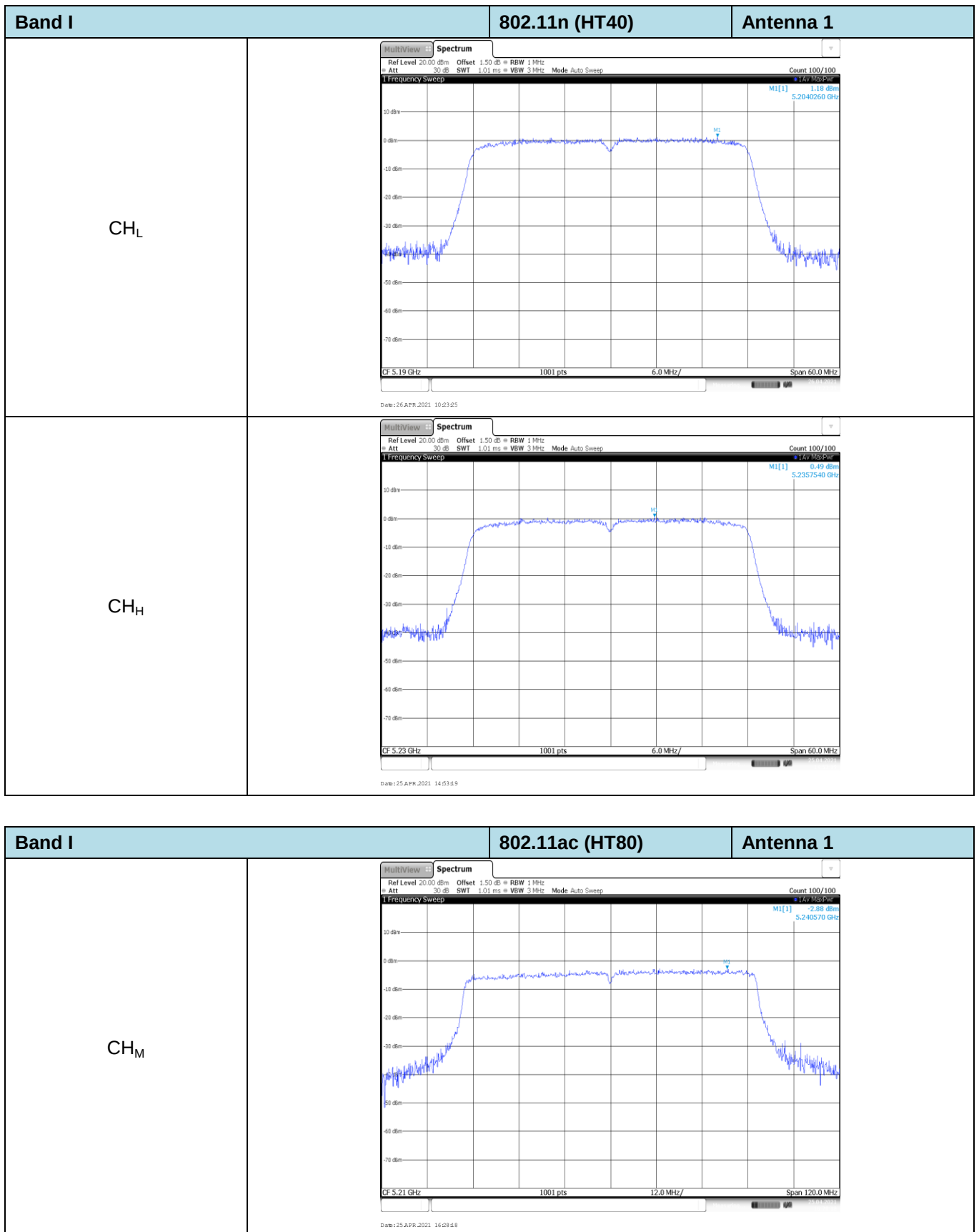
Band IV		802.11ac (HT40)	Antenna 0
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.50 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 STAT MS/Power 1 Frequency Sweep  CF 5.755 GHz1001 pts6.0 MHz/Span 60.0 MHz Date: 25 APR 2021 19:03:09		
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.50 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 STAT MS/Power 1 Frequency Sweep  CF 5.795 GHz1001 pts6.0 MHz/Span 60.0 MHz Date: 25 APR 2021 19:09:29		

Band IV		802.11n (HT40)	Antenna 0
CH _L			
CH _H			
Band IV		802.11ac (HT80)	Antenna 0
CH _M			

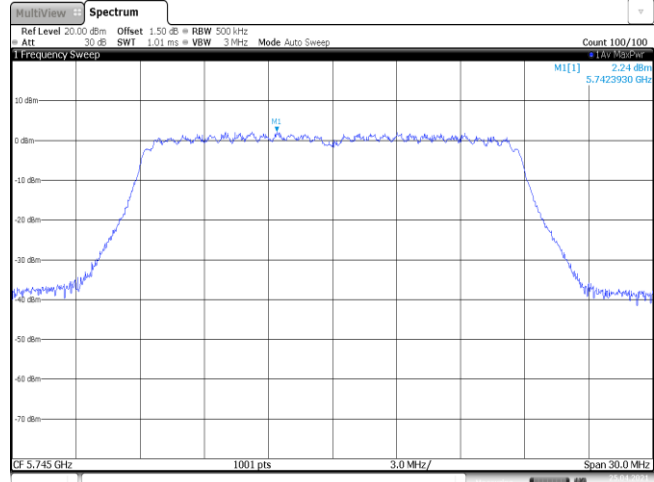
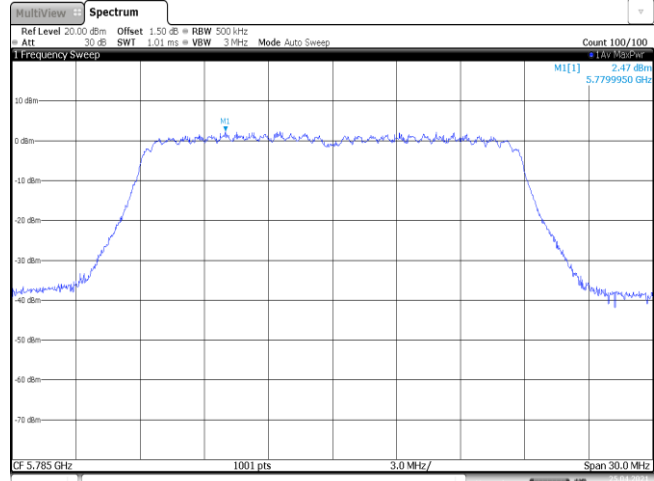
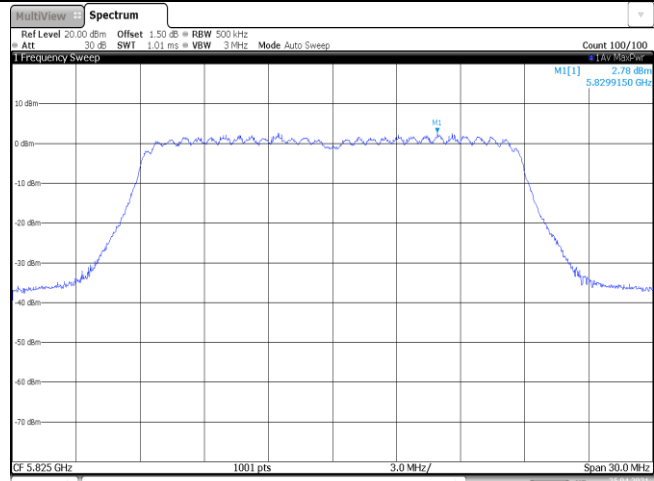
Band I		802.11ac (HT20)	Antenna 1
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.50 dB RBW 1 MHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 MI[1] 3.07 dBm 5.1843760 GHz 1 Frequency Sweep 30 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.18 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 25 APR 2021 15:00:44		
CH _M	MultiView Spectrum Ref Level 20.00 dBm Offset 1.50 dB RBW 1 MHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 MI[1] 2.94 dBm 5.2138860 GHz 1 Frequency Sweep 30 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: 25 APR 2021 15:03:48		
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.50 dB RBW 1 MHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 MI[1] 3.51 dBm 5.2338560 GHz 1 Frequency Sweep 30 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: 25 APR 2021 15:07:53		



Band I	802.11a	Antenna 1
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 ↑TAT MSPwr 1 Frequency Sweep M1[1] 5.73 dBm 5.1836560 GHz CF 5.18 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 25 APR, 2021 13:53:02	
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 ↑TAT MSPwr 1 Frequency Sweep M1[1] 6.35 dBm 5.2143360 GHz CF 5.22 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 25 APR, 2021 14:02:58	
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 ↑TAT MSPwr 1 Frequency Sweep M1[1] 6.63 dBm 5.2456340 GHz CF 5.24 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 25 APR, 2021 14:07:53	

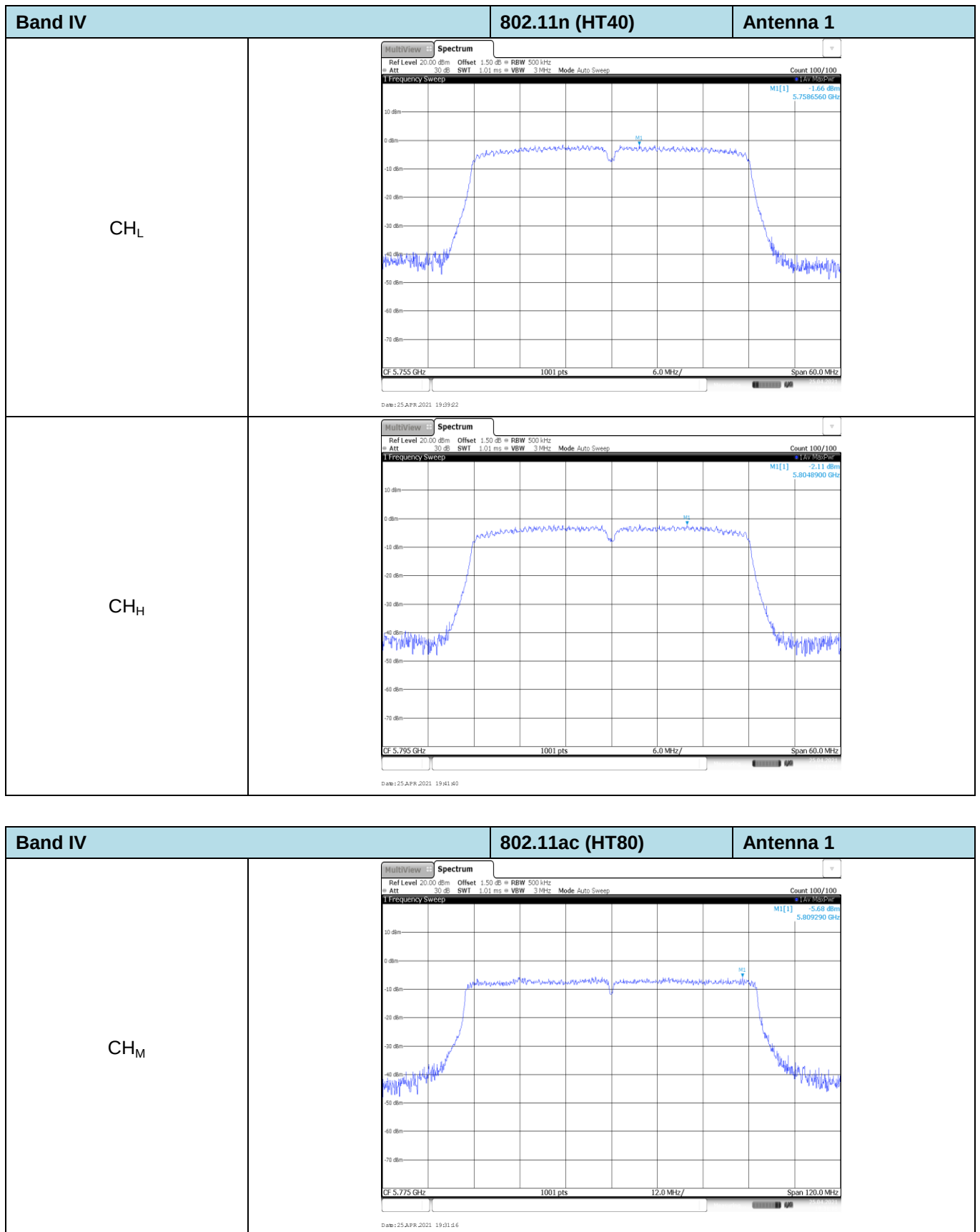


Band IV	802.11ac (HT20)	Antenna 1
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.50 dB BW 500 kHz Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 M1[1] 2.10 dBm 5.7388260 GHz Frequency Sweep 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 60 dBm 70 dBm CF 5.745 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 25 APR 2021 18:41:04	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Offset 1.50 dB BW 500 kHz Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 M1[1] 1.98 dBm 5.7780170 GHz Frequency Sweep 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: 25 APR 2021 18:46:48	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.50 dB BW 500 kHz Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 M1[1] 1.93 dBm 5.8187060 GHz Frequency Sweep 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: 25 APR 2021 18:58:49	

Band IV	802.11n (HT20)	Antenna 1
CH _L	 Ref Level 20.00 dBm Offset 1.50 dB BW 500 kHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 M1[1] 2.24 dBm 5.7429930 GHz CF 5.745 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 25 APR 2021 18:03:21	
CH _M	 Ref Level 20.00 dBm Offset 1.50 dB BW 500 kHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 M1[1] 2.47 dBm 5.7799950 GHz CF 5.785 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 25 APR 2021 18:06:01	
CH _H	 Ref Level 20.00 dBm Offset 1.50 dB BW 500 kHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 M1[1] 2.78 dBm 5.8299150 GHz CF 5.825 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 25 APR 2021 18:00:02	

Band IV	802.11a	Antenna 1
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.50 dB BW 500 kHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 5.7493460 GHz Frequency Sweep 5.28 dBm M1[1] 5.7493460 GHz 30 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: 25 APR 2021 17:13:01	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Offset 1.50 dB BW 500 kHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 5.7824530 GHz Frequency Sweep 5.30 dBm M1[1] 5.7824530 GHz 30 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: 25 APR 2021 17:16:52	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.50 dB BW 500 kHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 5.8276070 GHz Frequency Sweep 4.72 dBm M1[1] 5.8276070 GHz 30 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: 25 APR 2021 17:11:07	

Band IV		802.11ac (HT40)	Antenna 1
CH _L	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.50 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.755 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz MU[1] -1.56 dBm 5.7462490 GHz Date: 25 APR 2021 19:24:27		
CH _H	MultiView Spectrum Ref Level 20.00 dBm Att 30.0 dB Offset 1.50 dB RBW 500 kHz SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.795 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz MU[1] -1.42 dBm 5.7881070 GHz Date: 25 APR 2021 19:16:27		



Appendix C: 26dB bandwidth

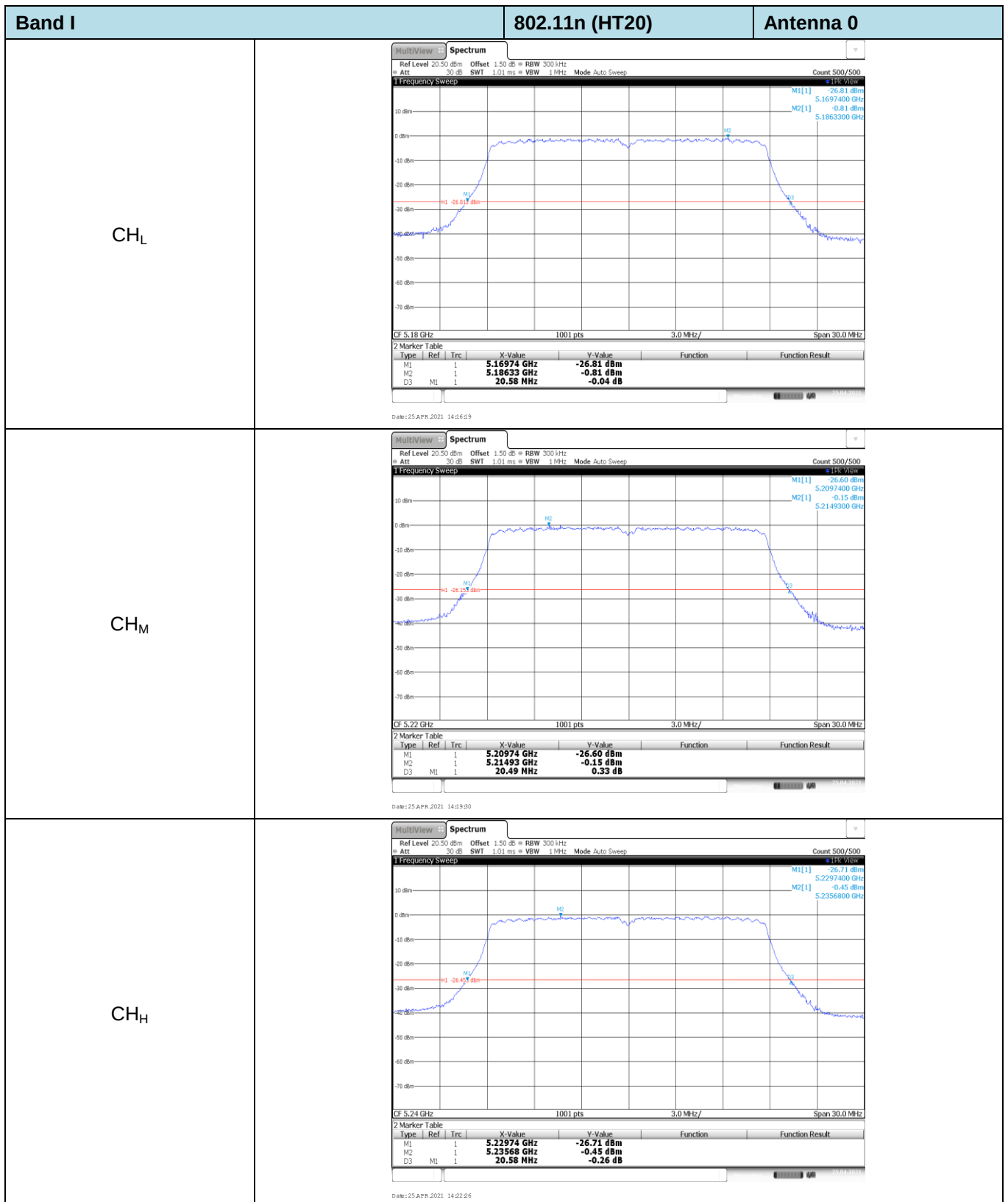
Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)		Result
				Antenna 0	Antenna 1	
I	20	802.11ac	CH _L	20.82	20.70	Pass
			CH _M	20.94	20.73	
			CH _H	20.85	20.82	
		802.11n	CH _L	20.58	20.43	Pass
			CH _M	20.49	20.52	
			CH _H	20.58	20.46	
		802.11a	CH _L	19.53	19.71	Pass
			CH _M	19.56	19.62	
			CH _H	19.47	19.65	
	40	802.11ac	CH _L	45.24	43.56	Pass
			CH _H	47.04	46.56	
		802.11n	CH _L	39.90	39.90	Pass
			CH _H	39.72	39.72	
	80	802.11ac	CH _M	90.00	88.56	Pass

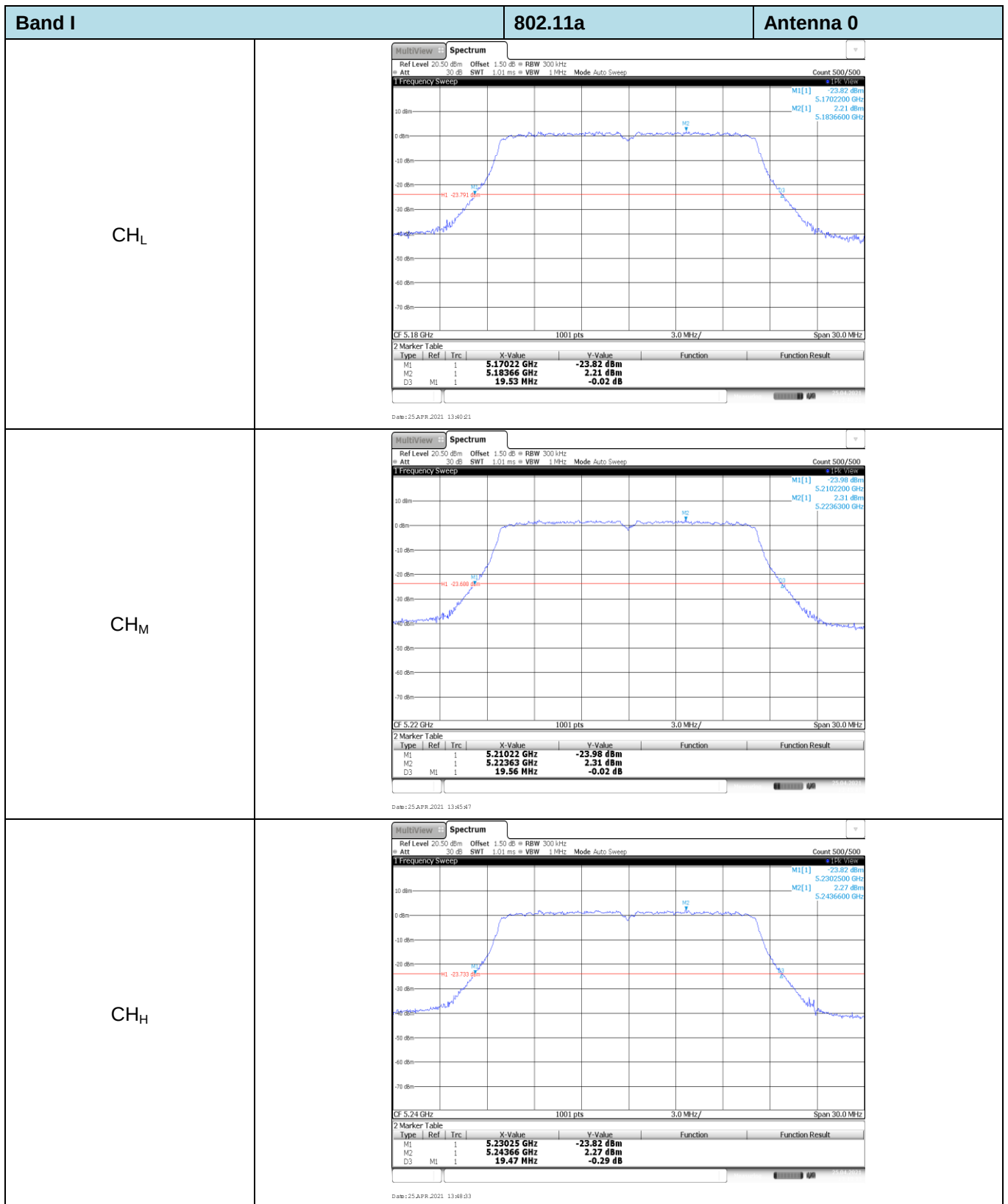
Band I	802.11ac (HT20)	Antenna 0
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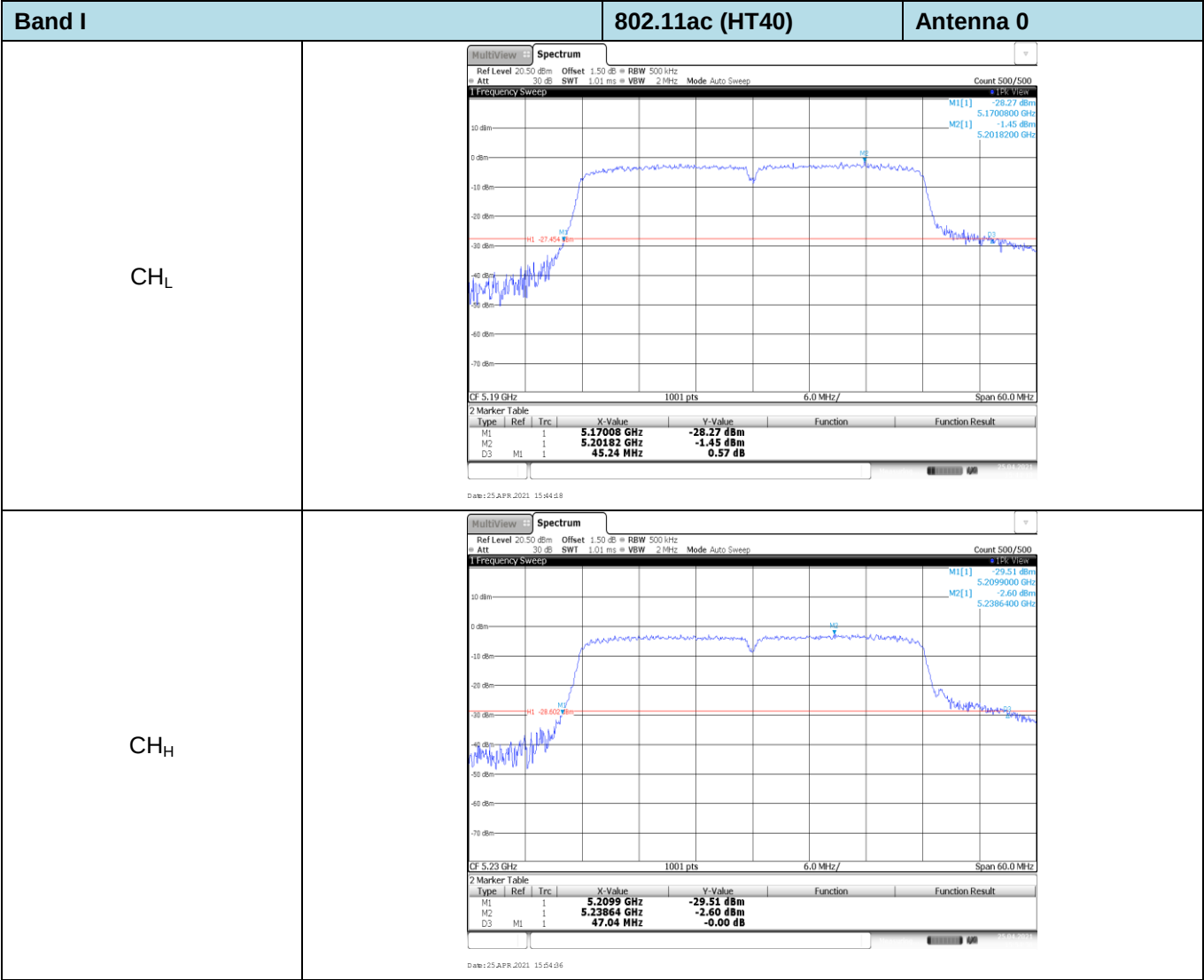
CH _L	MultiView Spectrum Ref Level 20.50 dBm Offset 1.50 dB RBW 300 kHz ATT 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1 [1] 5.16956 GHz -28.57 dBm M2 [1] 5.18630 GHz -1.47 dBm 5.18630 GHz -1.47 dBm CF 5.18 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz 2 Marker Table <table> <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>1</td><td>5.16956 GHz</td><td>-28.57 dBm</td><td></td><td></td></tr> <tr> <td>M2</td><td>1</td><td>1</td><td>5.1863 GHz</td><td>-1.47 dBm</td><td></td><td></td></tr> <tr> <td>D3</td><td>M1</td><td>1</td><td>20.82 MHz</td><td>1.04 dB</td><td></td><td></td></tr> </table> Date: 25 APR 2021 15:06:22	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1	1	5.16956 GHz	-28.57 dBm			M2	1	1	5.1863 GHz	-1.47 dBm			D3	M1	1	20.82 MHz	1.04 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1	1	5.16956 GHz	-28.57 dBm																									
M2	1	1	5.1863 GHz	-1.47 dBm																									
D3	M1	1	20.82 MHz	1.04 dB																									

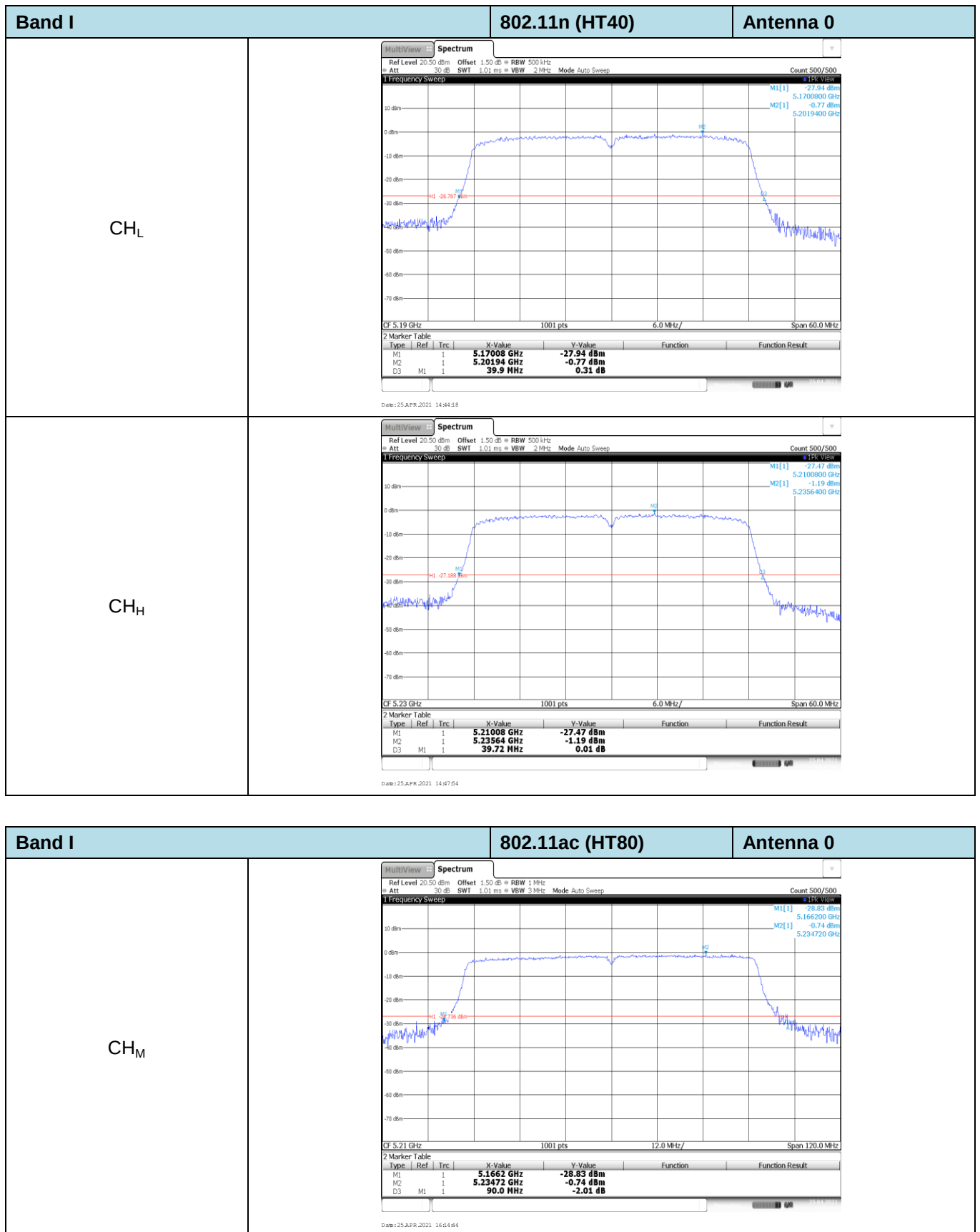
CH _M	MultiView Spectrum Ref Level 20.50 dBm Offset 1.50 dB RBW 300 kHz ATT 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1 [1] 5.2095 GHz -27.91 dBm M2 [1] 5.2095000 GHz -1.59 dBm 5.2236900 GHz -1.59 dBm CF 5.22 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz 2 Marker Table <table> <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>1</td><td>5.2095 GHz</td><td>-27.91 dBm</td><td></td><td></td></tr> <tr> <td>M2</td><td>1</td><td>1</td><td>5.22369 GHz</td><td>-1.59 dBm</td><td></td><td></td></tr> <tr> <td>D3</td><td>M1</td><td>1</td><td>20.94 MHz</td><td>-0.51 dB</td><td></td><td></td></tr> </table> Date: 25 APR 2021 15:09:05	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1	1	5.2095 GHz	-27.91 dBm			M2	1	1	5.22369 GHz	-1.59 dBm			D3	M1	1	20.94 MHz	-0.51 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1	1	5.2095 GHz	-27.91 dBm																									
M2	1	1	5.22369 GHz	-1.59 dBm																									
D3	M1	1	20.94 MHz	-0.51 dB																									

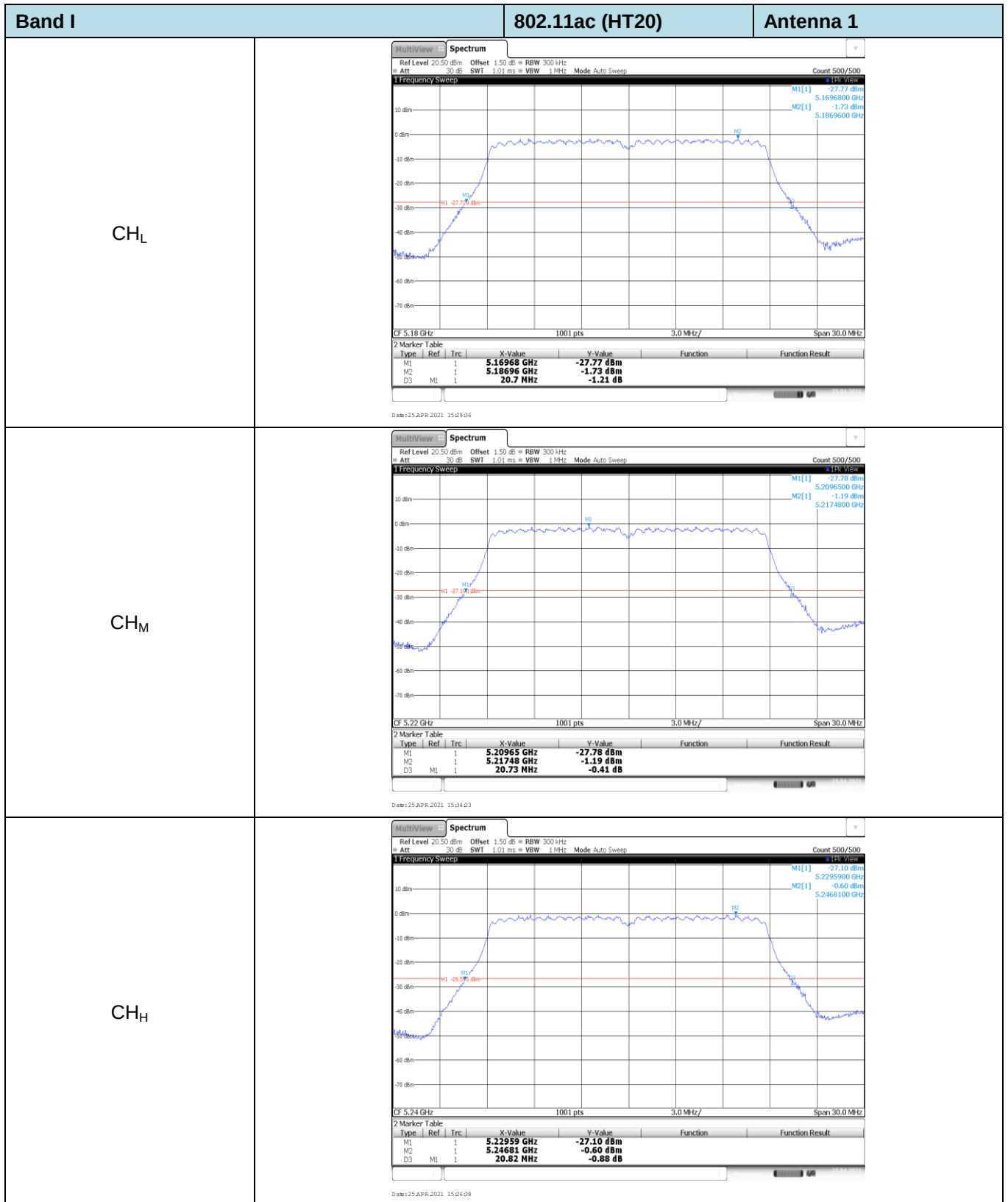
CH _H	MultiView Spectrum Ref Level 20.50 dBm Offset 1.50 dB RBW 300 kHz ATT 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 1 Frequency Sweep M1 [1] 5.22953 GHz -27.56 dBm M2 [1] 5.2295300 GHz -1.34 dBm 5.2462400 GHz -1.34 dBm CF 5.24 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz 2 Marker Table <table> <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>1</td><td>5.22953 GHz</td><td>-27.56 dBm</td><td></td><td></td></tr> <tr> <td>M2</td><td>1</td><td>1</td><td>5.24624 GHz</td><td>-1.34 dBm</td><td></td><td></td></tr> <tr> <td>D3</td><td>M1</td><td>1</td><td>20.85 MHz</td><td>-0.05 dB</td><td></td><td></td></tr> </table> Date: 25 APR 2021 15:23:01	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1	1	5.22953 GHz	-27.56 dBm			M2	1	1	5.24624 GHz	-1.34 dBm			D3	M1	1	20.85 MHz	-0.05 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1	1	5.22953 GHz	-27.56 dBm																									
M2	1	1	5.24624 GHz	-1.34 dBm																									
D3	M1	1	20.85 MHz	-0.05 dB																									

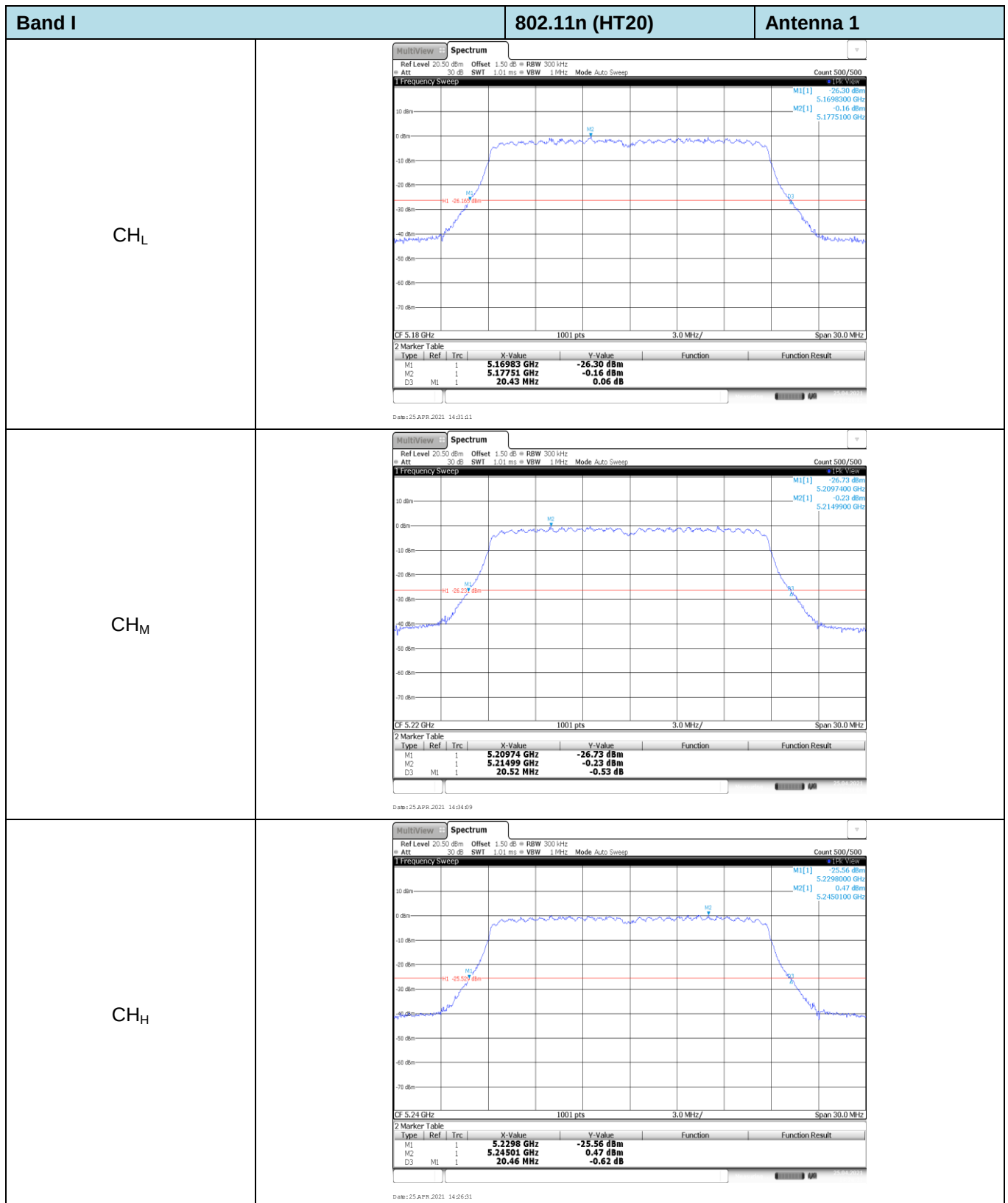


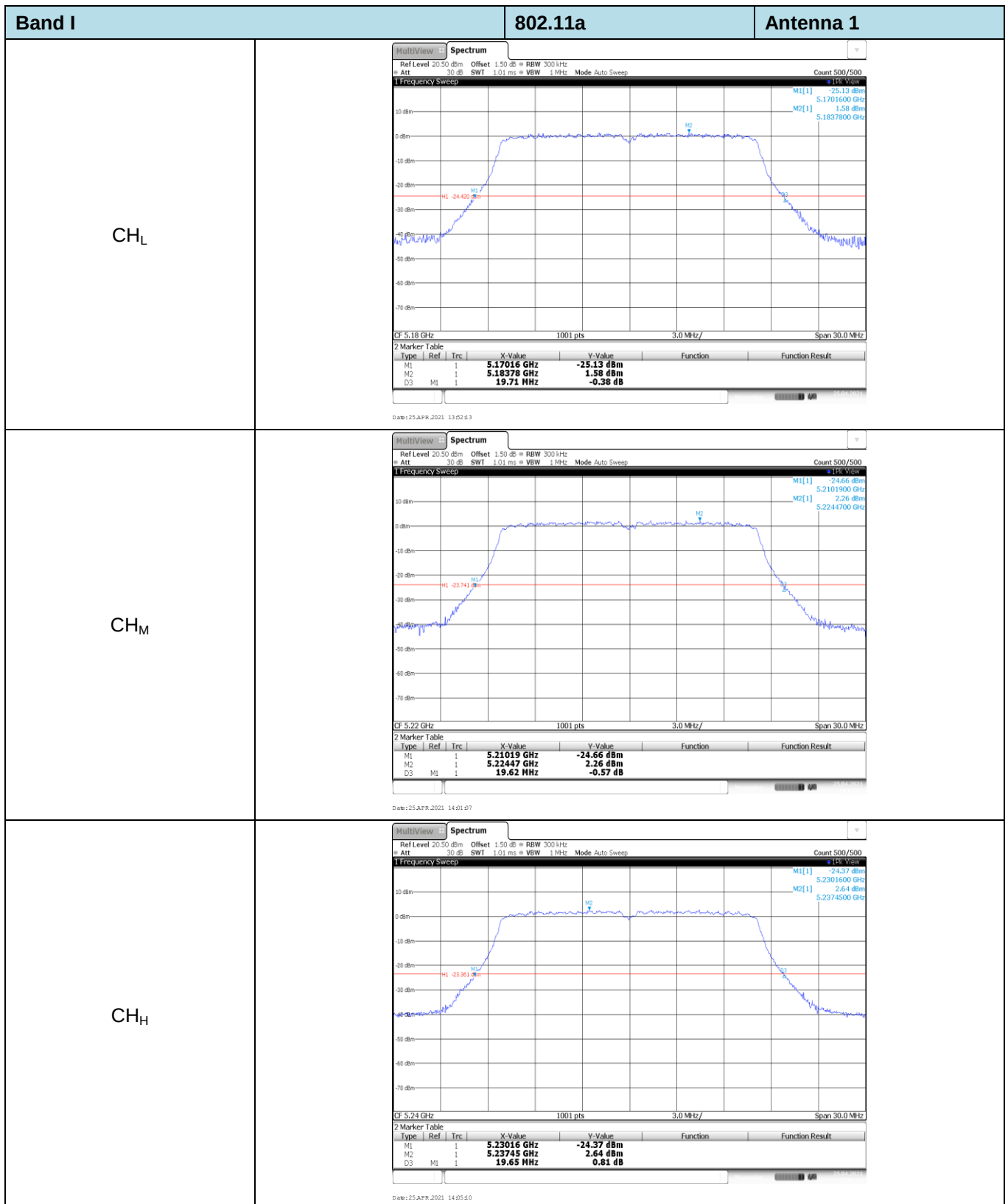


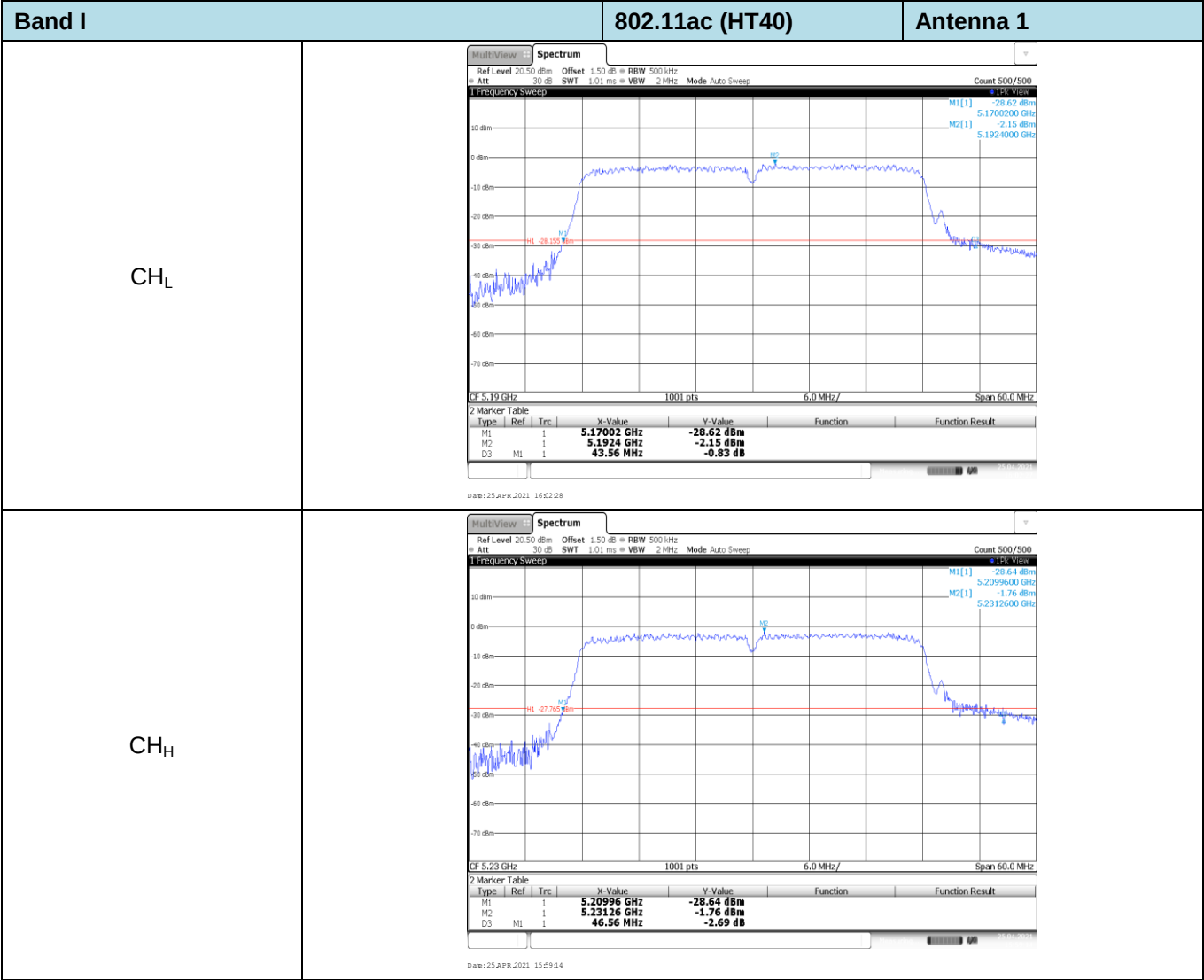


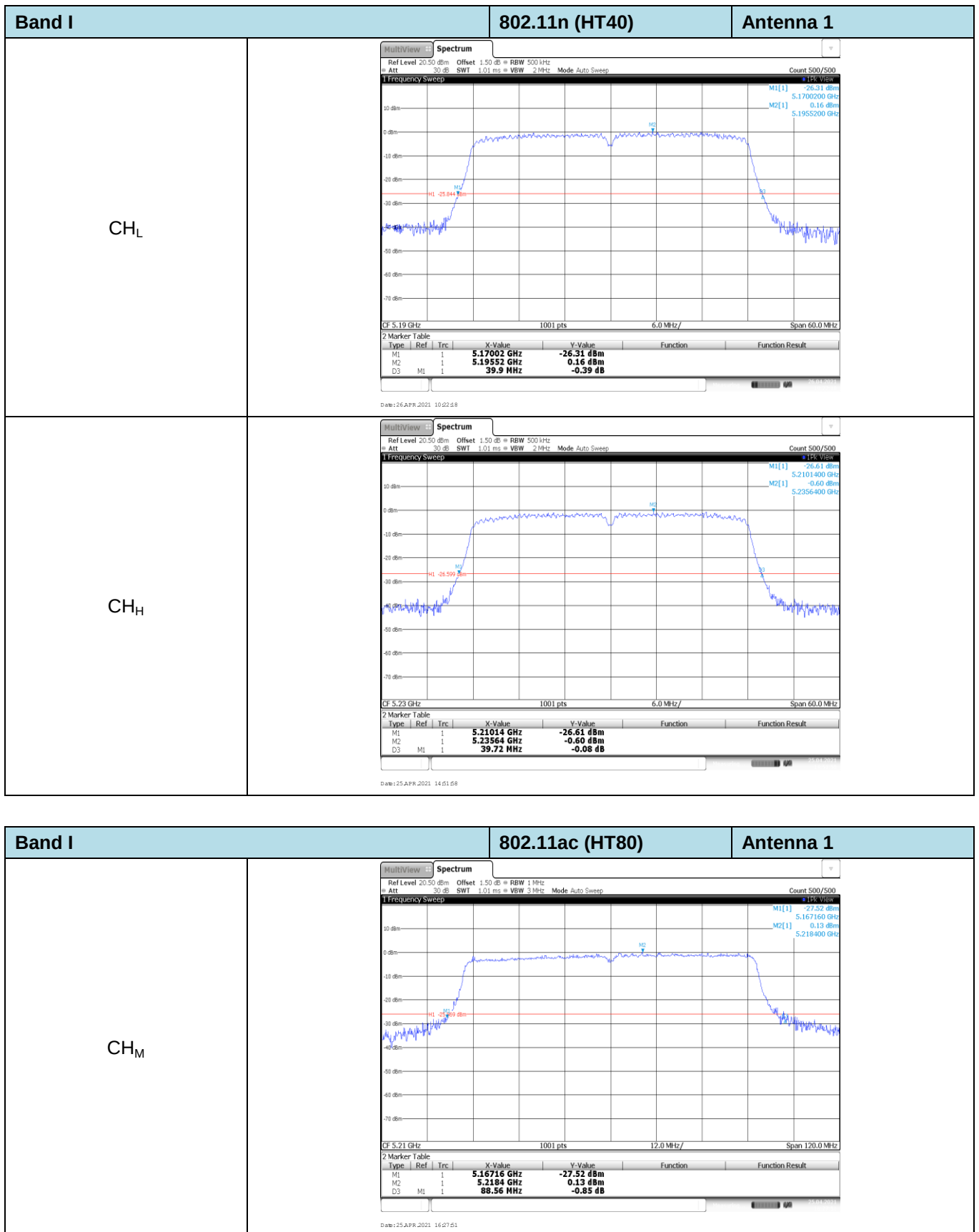








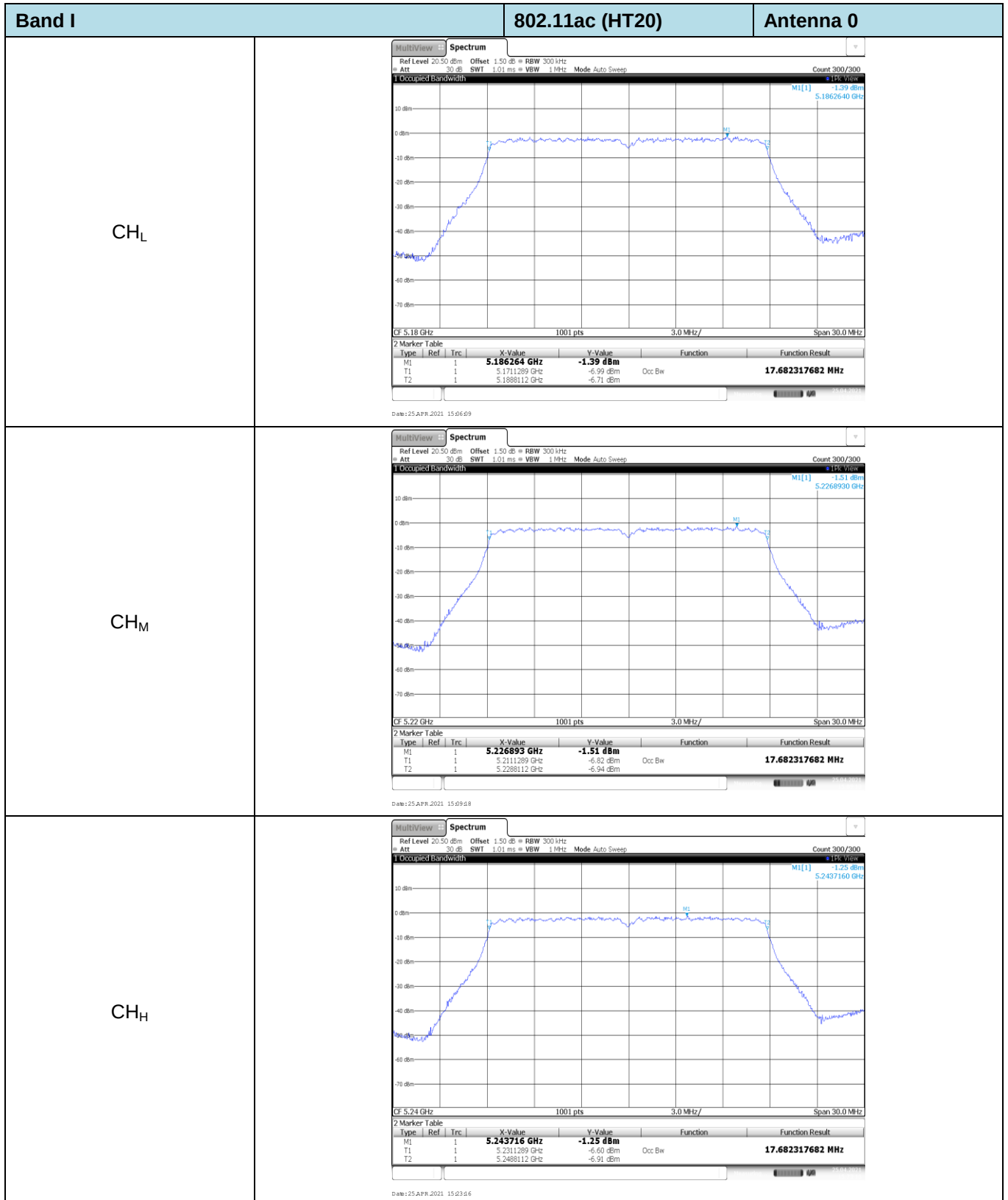


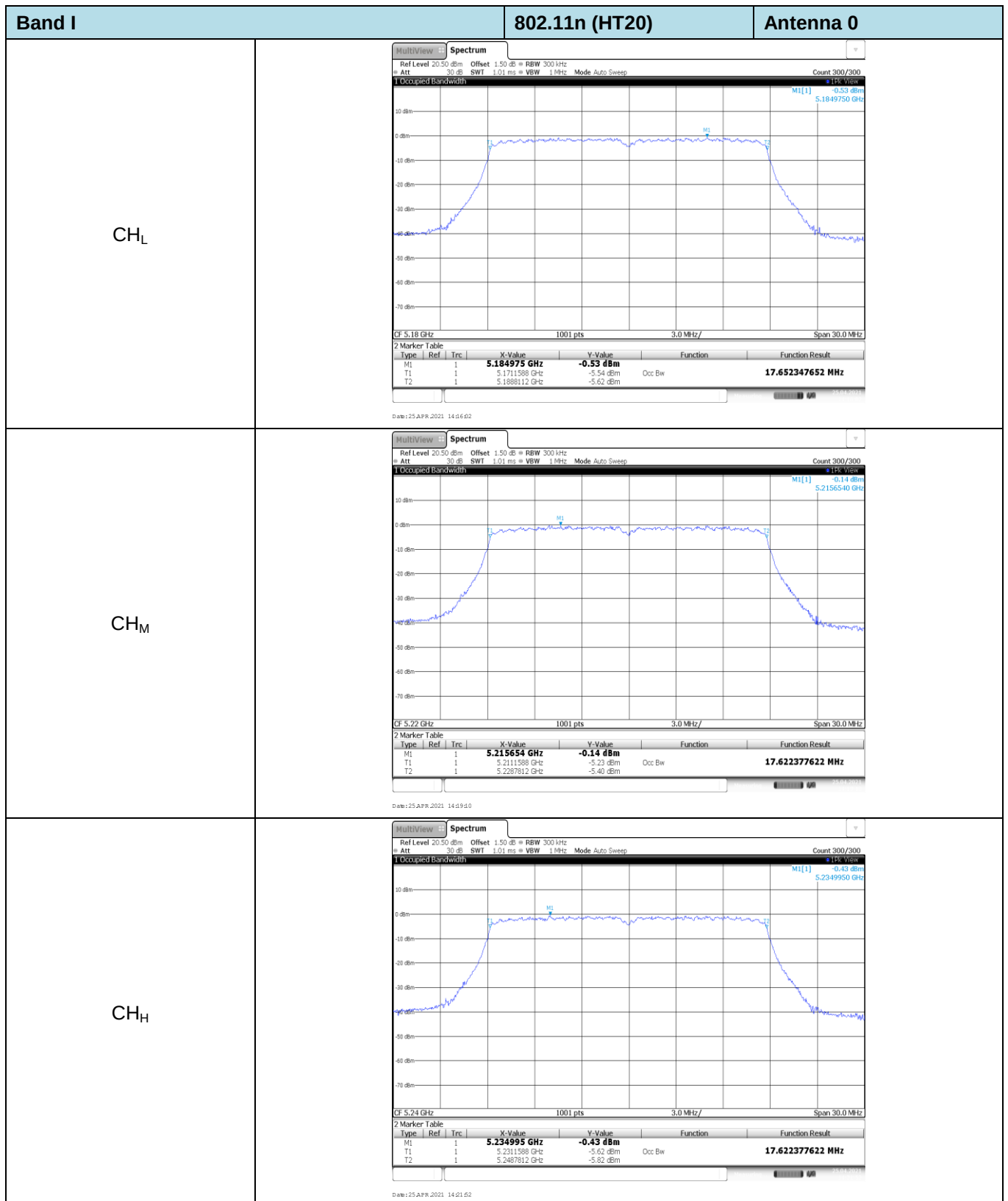


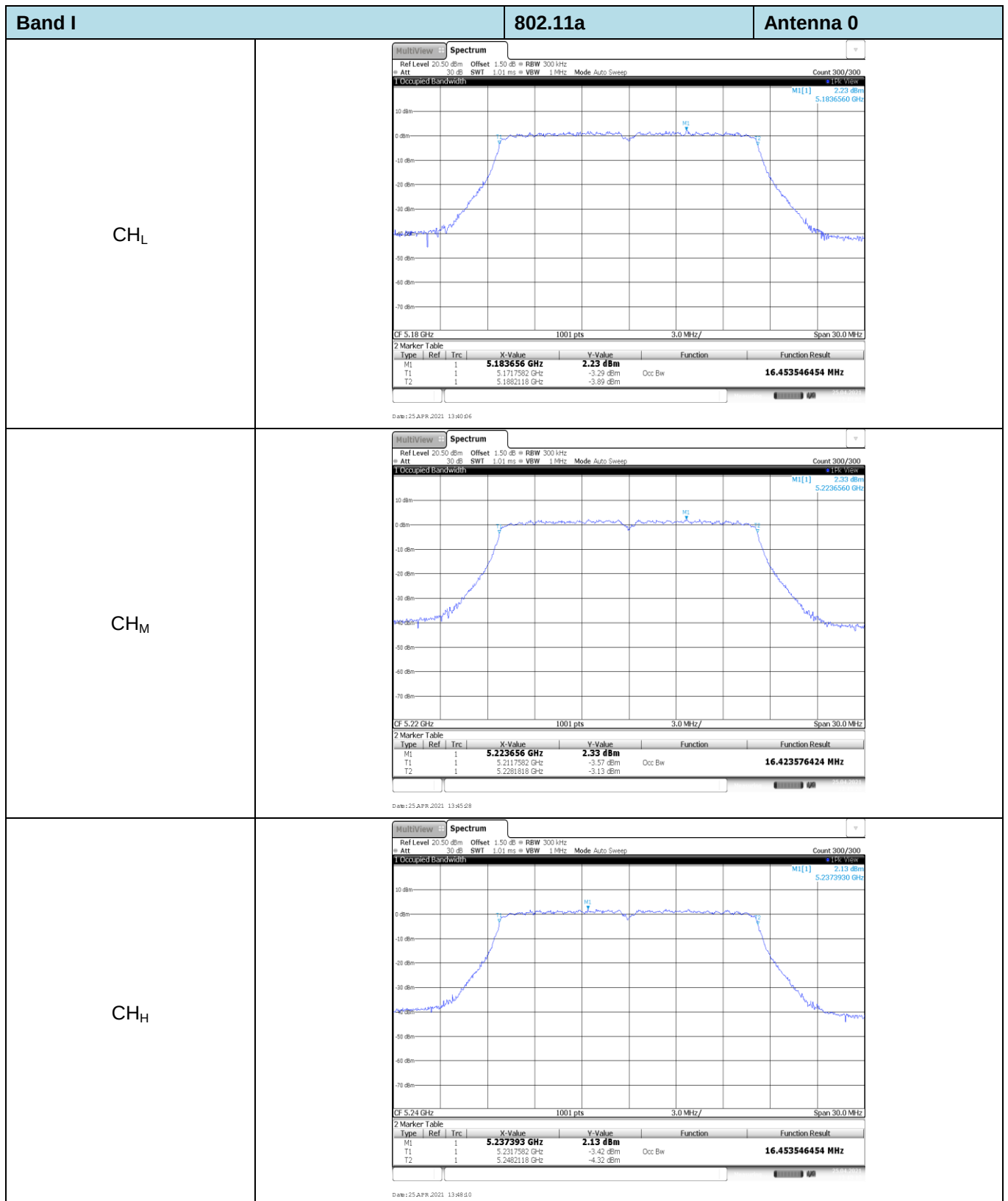
Appendix D: 99% Occupy bandwidth

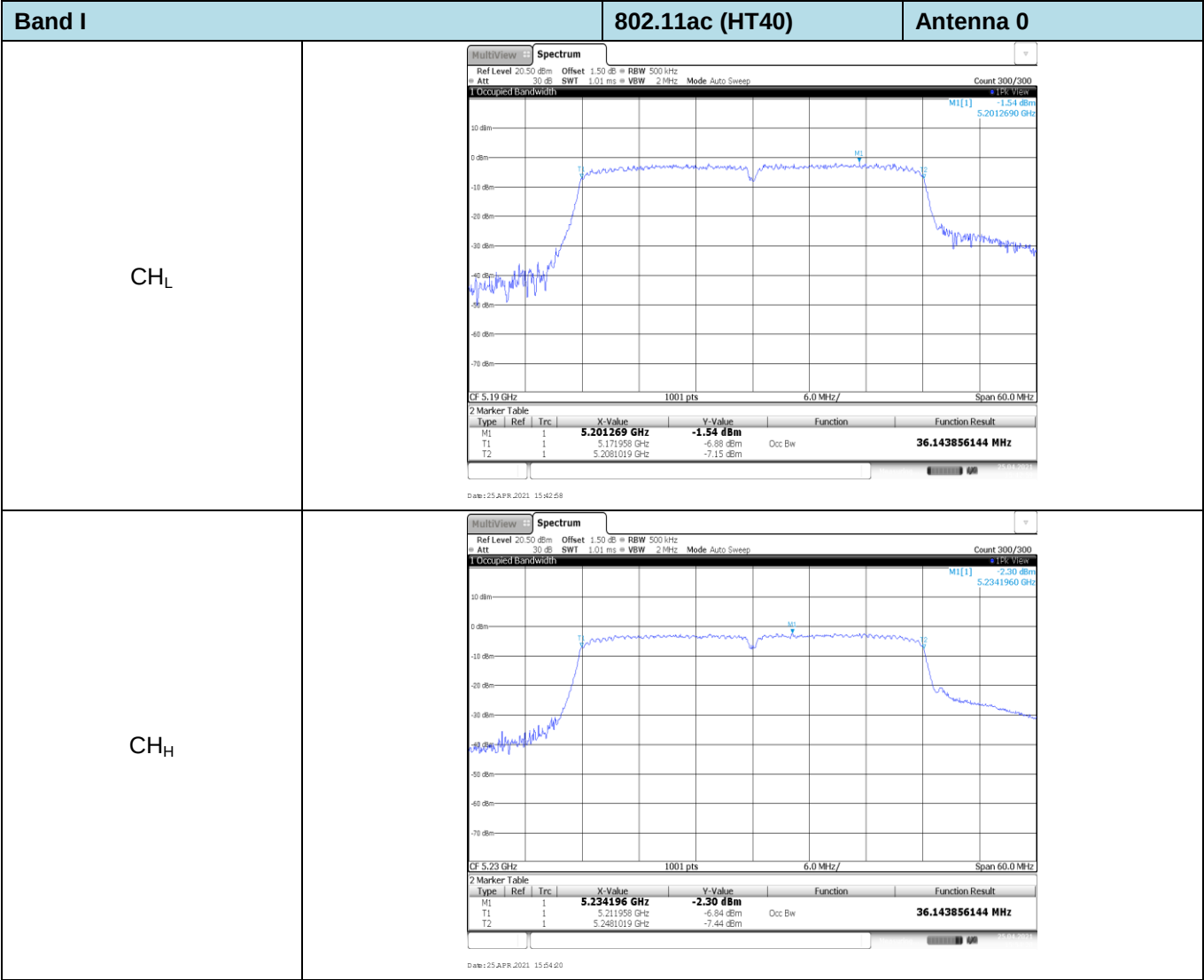
Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)		Result
				Antenna 0	Antenna 1	
I	20	802.11ac	CH _L	17.68	17.65	Pass
			CH _M	17.68	17.65	
			CH _H	17.68	17.65	
		802.11n	CH _L	17.65	17.62	Pass
			CH _M	17.62	17.62	
			CH _H	17.62	17.62	
		802.11a	CH _L	16.45	16.45	Pass
			CH _M	16.42	16.45	
			CH _H	16.45	16.42	
	40	802.11ac	CH _L	36.14	36.14	Pass
			CH _H	36.14	36.14	
		802.11n	CH _L	35.96	35.96	Pass
			CH _H	35.96	35.90	
	80	802.11ac	CH _M	76.00	75.88	Pass

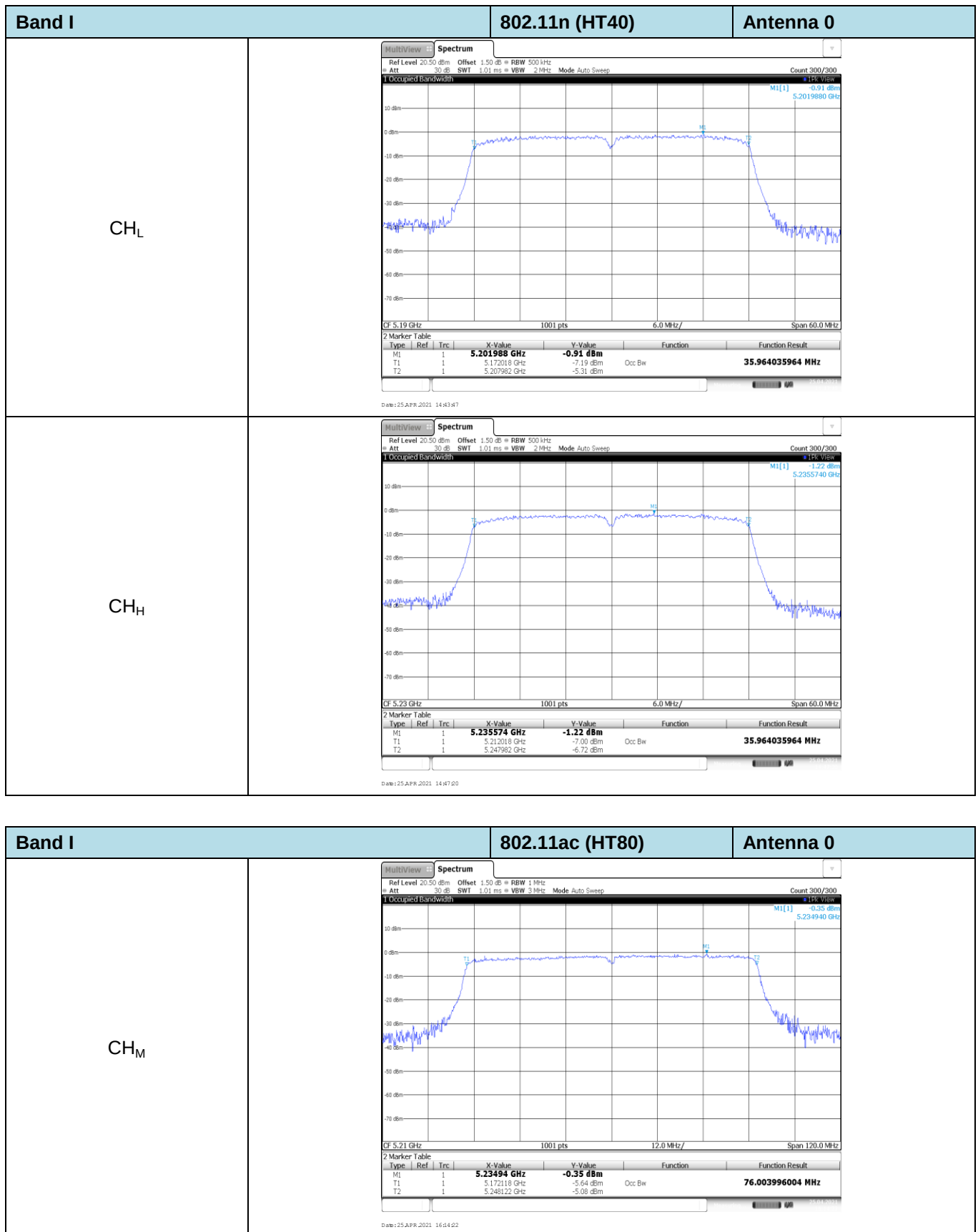
Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)		Result
				Antenna 0	Antenna 1	
IV	20	802.11ac	CH _L	17.71	17.62	Pass
			CH _M	17.83	17.71	
			CH _H	17.68	17.68	
		802.11n	CH _L	17.65	17.59	Pass
			CH _M	17.65	17.59	
			CH _H	17.65	17.62	
		802.11a	CH _L	16.42	16.42	Pass
			CH _M	16.42	16.42	
			CH _H	16.45	16.45	
	40	802.11ac	CH _L	36.14	36.20	Pass
			CH _H	36.20	36.14	
		802.11n	CH _L	35.95	35.95	Pass
			CH _H	35.95	35.95	
	80	802.11ac	CH _M	76.00	76.00	Pass

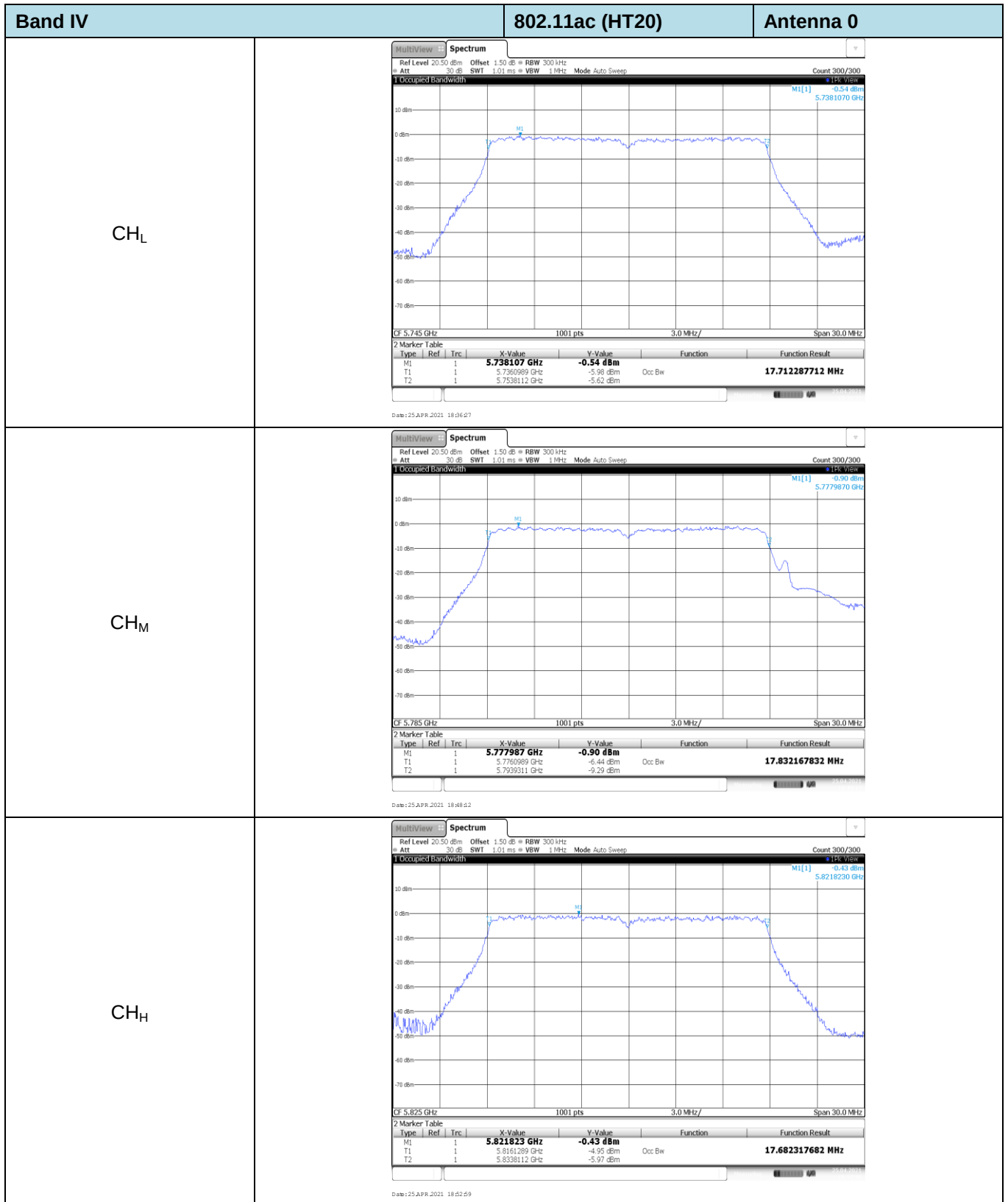












Band IV

802.11n (HT20)

Antenna 0

CH_L

MultiViewSpectrum

Ref Level 20.50 dBm Offset 1.50 dB BW 300 kHz
ATT 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/300

1 Occupied Bandwidth

M1[1]

-0.65 dBm

5.7400250 GHz

CF 5.745 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1	1	5.740025 GHz	-0.65 dBm		
T1	1	1	5.7361289 GHz	-5.40 dBm	Occ BW	17.652347652 MHz
T2	1	1	5.7537812 GHz	-5.71 dBm		

Date: 25 APR 2021 17:46:49

CH_M

MultiViewSpectrum

Ref Level 20.50 dBm Offset 1.50 dB BW 300 kHz
ATT 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/300

1 Occupied Bandwidth

M1[1]

0.16 dBm

5.7806240 GHz

CF 5.785 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1	1	5.780624 GHz	0.16 dBm		
T1	1	1	5.7761289 GHz	-5.81 dBm	Occ BW	17.652347652 MHz
T2	1	1	5.7937812 GHz	-5.43 dBm		

Date: 25 APR 2021 17:49:48

CH_H

MultiViewSpectrum

Ref Level 20.50 dBm Offset 1.50 dB BW 300 kHz
ATT 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/300

1 Occupied Bandwidth

M1[1]

-0.06 dBm

5.8200850 GHz

CF 5.825 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1	1	5.820085 GHz	-0.06 dBm		
T1	1	1	5.8161289 GHz	-5.64 dBm	Occ BW	17.652347652 MHz
T2	1	1	5.8337812 GHz	-5.38 dBm		

Date: 25 APR 2021 17:51:59

