

APPENDIX REPORT

Project No.	SHT1911051203EW	Radio Specification	WIFI 5G
Test sample No.	YPHT19110512009	Model No.	iData K1S
Start test date	2019/12/20	Finish date	2019/12/20
Temperature	25°C	Humidity	50%
Test Engineer	Ximing.Huang	Auditor	<i>William.wang</i>

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	Conducted Output Power (dBm)	Limit (dBm)	Result
I	20	802.11ac	CH _L	19.69	24.00	Pass
			CH _M	19.50		
			CH _H	19.72		
		802.11n	CH _L	20.11	24.00	Pass
			CH _M	19.54		
			CH _H	19.70		
		802.11a	CH _L	19.89	24.00	Pass
			CH _M	19.61		
			CH _H	19.81		
	40	802.11ac	CH _L	19.76	24.00	Pass
			CH _H	20.02		
		802.11n	CH _L	20.17	24.00	Pass
			CH _H	20.00		
	80	802.11ac	CH _M	19.58	24.00	Pass
II	20	802.11ac	CH _L	19.05	24.00	Pass
			CH _M	18.72		
			CH _H	18.65		
		802.11n	CH _L	18.95	24.00	Pass
			CH _M	18.68		
			CH _H	18.66		
		802.11a	CH _L	19.32	24.00	Pass
			CH _M	18.89		
			CH _H	18.71		
	40	802.11ac	CH _L	19.11	24.00	Pass
			CH _H	18.53		
		802.11n	CH _L	19.05	24.00	Pass
			CH _H	18.46		
	80	802.11ac	CH _M	19.07	24.00	Pass

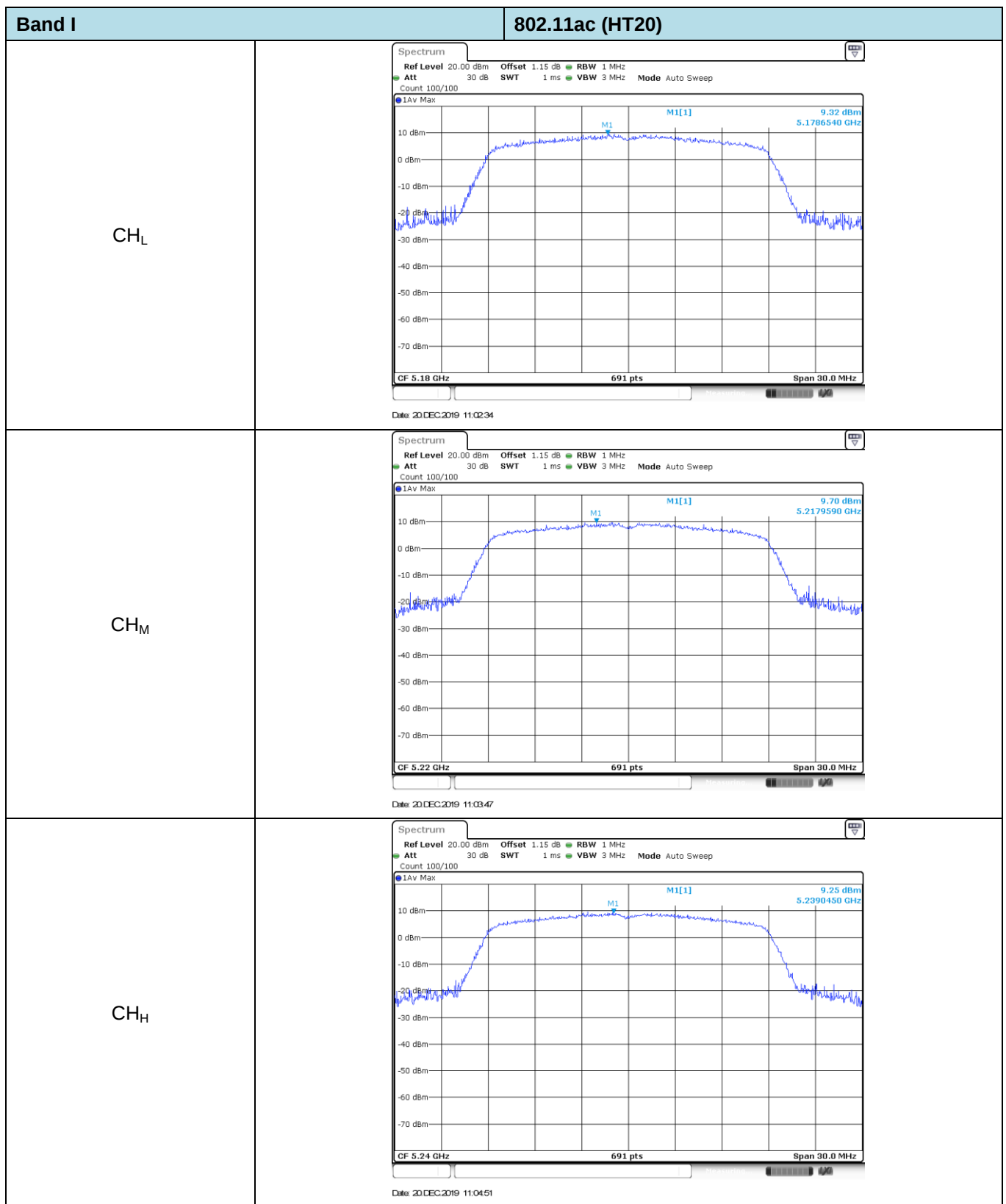
Band	Bandwidth (MHz)	Type	Channel	Conducted Output Power (dBm)	Limit (dBm)	Result
III	20	802.11ac	CH _L	17.71	24.00	Pass
			CH _M	17.45		
			CH _H	17.51		
		802.11n	CH _L	18.43	24.00	Pass
			CH _M	17.53		
			CH _H	18.00		
		802.11a	CH _L	18.35	24.00	Pass
			CH _M	17.81		
			CH _H	18.05		
	40	802.11ac	CH _L	17.98	24.00	Pass
			CH _M	17.43		
			CH _H	18.03		
		802.11n	CH _L	18.08	24.00	Pass
			CH _M	17.57		
			CH _H	17.29		
	80	802.11ac	CH _L	17.80	24.00	Pass
			CH _M	17.93		
			CH _H	18.17		
IV	20	802.11ac	CH _L	17.58	30.00	Pass
			CH _M	17.34		
			CH _H	17.49		
		802.11n	CH _L	17.87	30.00	Pass
			CH _M	17.58		
			CH _H	17.63		
		802.11a	CH _L	17.50	30.00	Pass
			CH _M	17.62		
			CH _H	17.93		
	40	802.11ac	CH _L	17.62	30.00	Pass
			CH _H	17.57		
		802.11n	CH _L	17.69	30.00	Pass
			CH _H	17.65		
	80	802.11ac	CH _M	18.09	30.00	Pass

Appendix B: Maximum Power Spectral Density

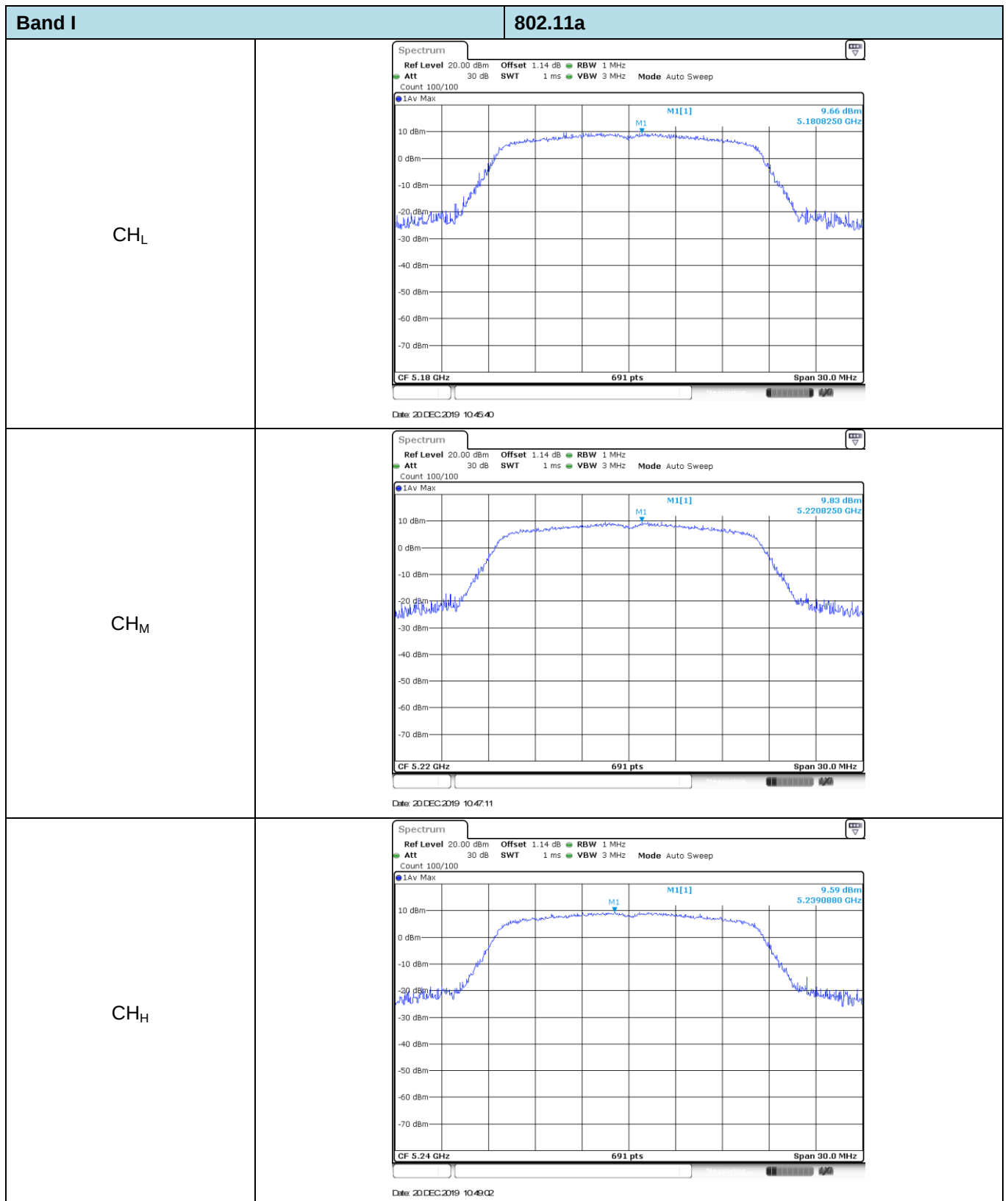
Band	Bandwidth (MHz)	Type	Channel	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
I	20	802.11ac	CH _L	9.32	11.00	Pass
			CH _M	9.70		
			CH _H	9.25		
		802.11n	CH _L	9.77	11.00	Pass
			CH _M	9.72		
			CH _H	9.56		
		802.11a	CH _L	9.66	11.00	Pass
			CH _M	9.83		
			CH _H	9.59		
	40	802.11ac	CH _L	6.57	11.00	Pass
			CH _H	7.26		
		802.11n	CH _L	6.87	11.00	Pass
			CH _H	6.62		
	80	802.11ac	CH _M	3.72	11.00	Pass
II	20	802.11ac	CH _L	8.78	11.00	Pass
			CH _M	8.40		
			CH _H	8.14		
		802.11n	CH _L	9.13	11.00	Pass
			CH _M	8.83		
			CH _H	8.71		
		802.11a	CH _L	9.19	11.00	Pass
			CH _M	8.50		
			CH _H	8.48		
	40	802.11ac	CH _L	6.48	11.00	Pass
			CH _H	5.65		
		802.11n	CH _L	5.82	11.00	Pass
			CH _H	5.27		
	80	802.11ac	CH _M	3.21	11.00	Pass

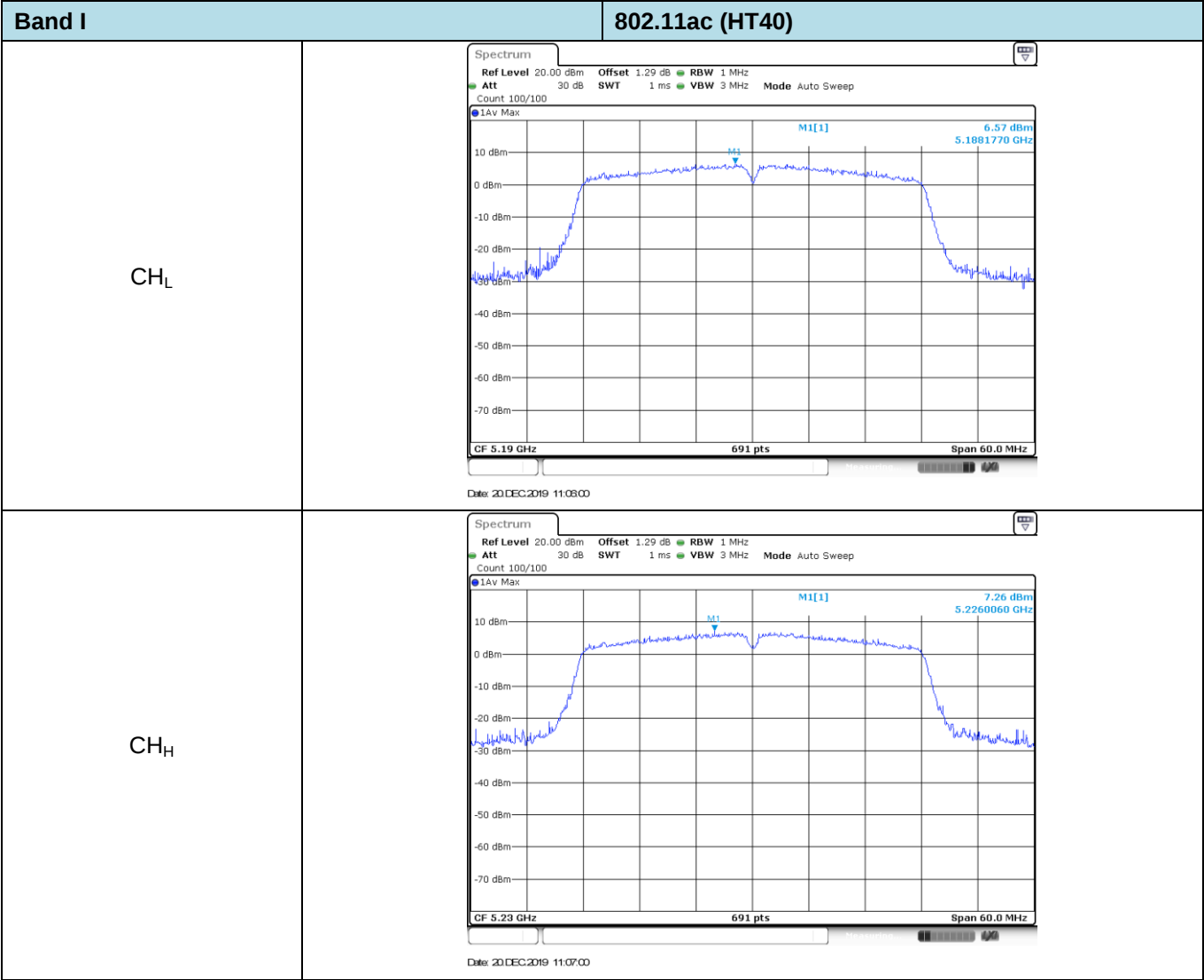
Band	Bandwidth (MHz)	Type	Channel	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
III	20	802.11ac	CH _L	7.39	11.00	Pass
			CH _M	7.43		
			CH _H	7.09		
		802.11n	CH _L	8.31	11.00	Pass
			CH _M	7.90		
			CH _H	8.04		
		802.11a	CH _L	8.46	11.00	Pass
			CH _M	7.81		
			CH _H	8.54		
	40	802.11ac	CH _L	5.36	11.00	Pass
			CH _M	4.33		
			CH _H	4.80		
		802.11n	CH _L	5.37	11.00	Pass
			CH _M	4.81		
			CH _H	5.54		
	80	802.11ac	CH _L	1.89	11.00	Pass
			CH _M	1.46		
			CH _H	2.50		
Band	Bandwidth (MHz)	Type	Channel	Power Spectral Density (dBm/500kHz)	Limit (dBm/500KHz)	Result
IV	20	802.11ac	CH _L	6.28	30.00	Pass
			CH _M	5.61		
			CH _H	6.39		
		802.11n	CH _L	6.66	30.00	Pass
			CH _M	6.30		
			CH _H	6.00		
		802.11a	CH _L	6.88	30.00	Pass
			CH _M	6.23		
			CH _H	7.25		
	40	802.11ac	CH _L	3.05	30.00	Pass
			CH _H	3.06		
		802.11n	CH _L	3.52	30.00	Pass
			CH _H	3.03		
	80	802.11ac	CH _M	0.45	30.00	Pass

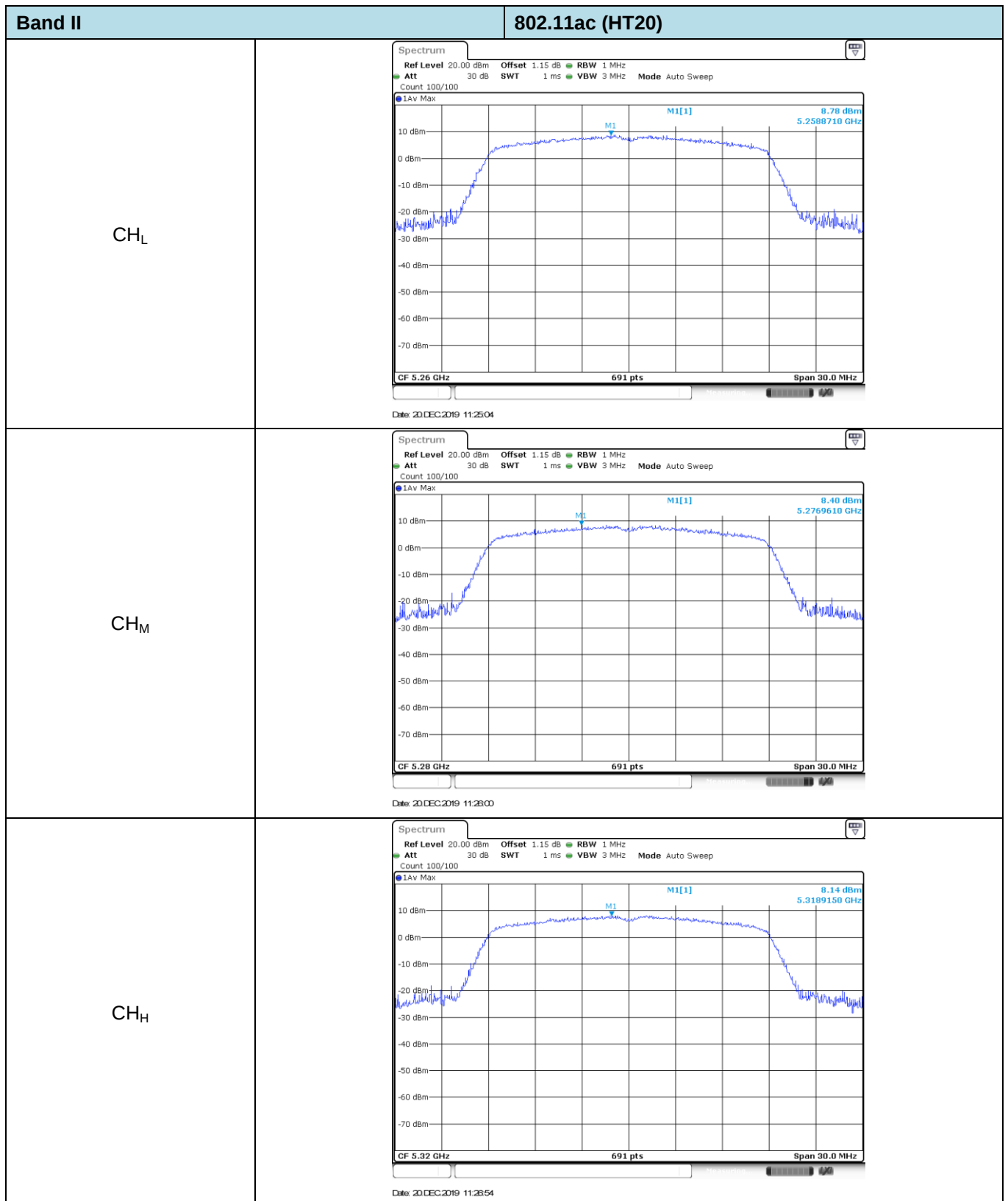
Test plot as follows:

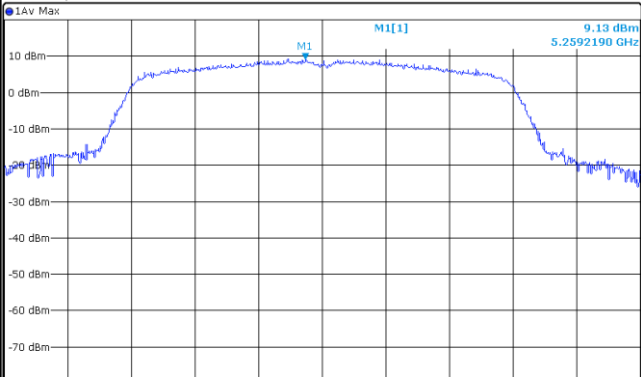
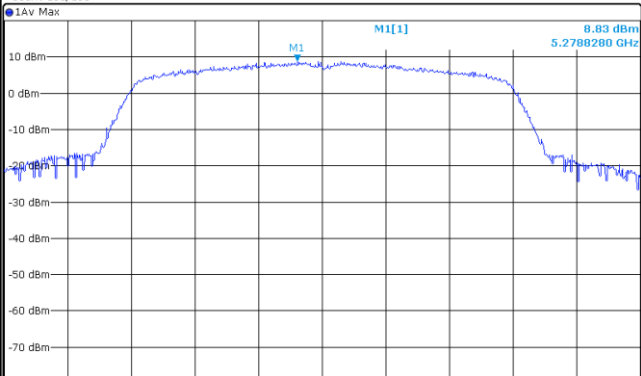
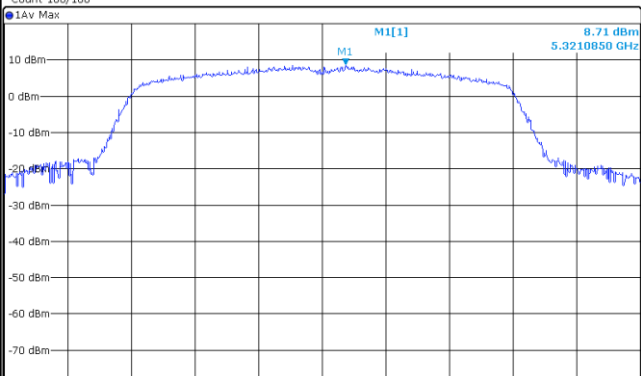


Band I		802.11n (HT20)
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 1.15 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep IAV Max 10 dBm 0 dBm -10 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M1[1] 9.77 dBm 5.1779160 GHz CF 5.18 GHz 691 pts Span 30.0 MHz Date: 20 DEC 2019 10:53:41	
CH _M	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 1.15 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep IAV Max 10 dBm 0 dBm -10 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M1[1] 9.72 dBm 5.2219100 GHz CF 5.22 GHz 691 pts Span 30.0 MHz Date: 20 DEC 2019 10:54:22	
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 1.15 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep IAV Max 10 dBm 0 dBm -10 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm M1 M1[1] 9.56 dBm 5.2391750 GHz CF 5.24 GHz 691 pts Span 30.0 MHz Date: 20 DEC 2019 10:55:07	

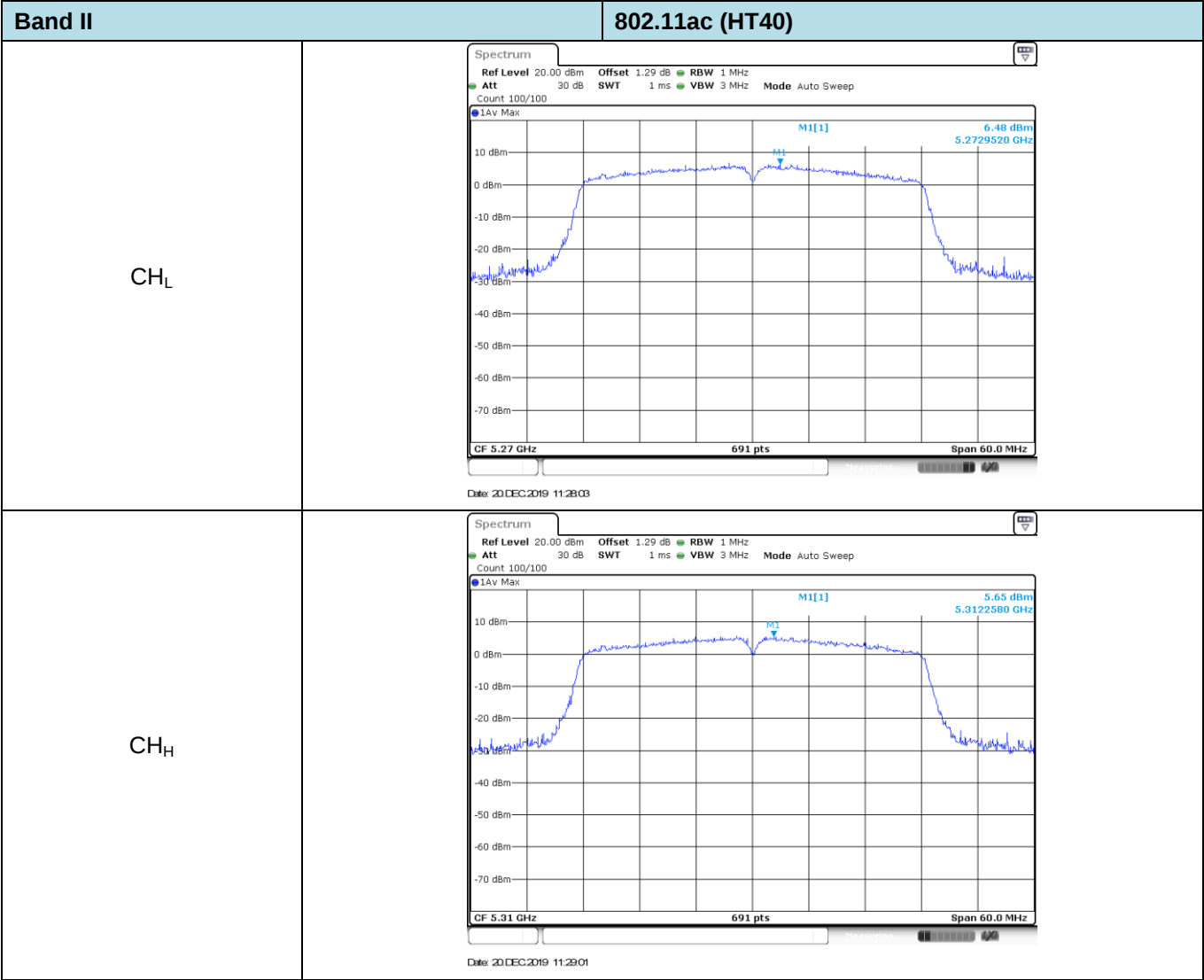


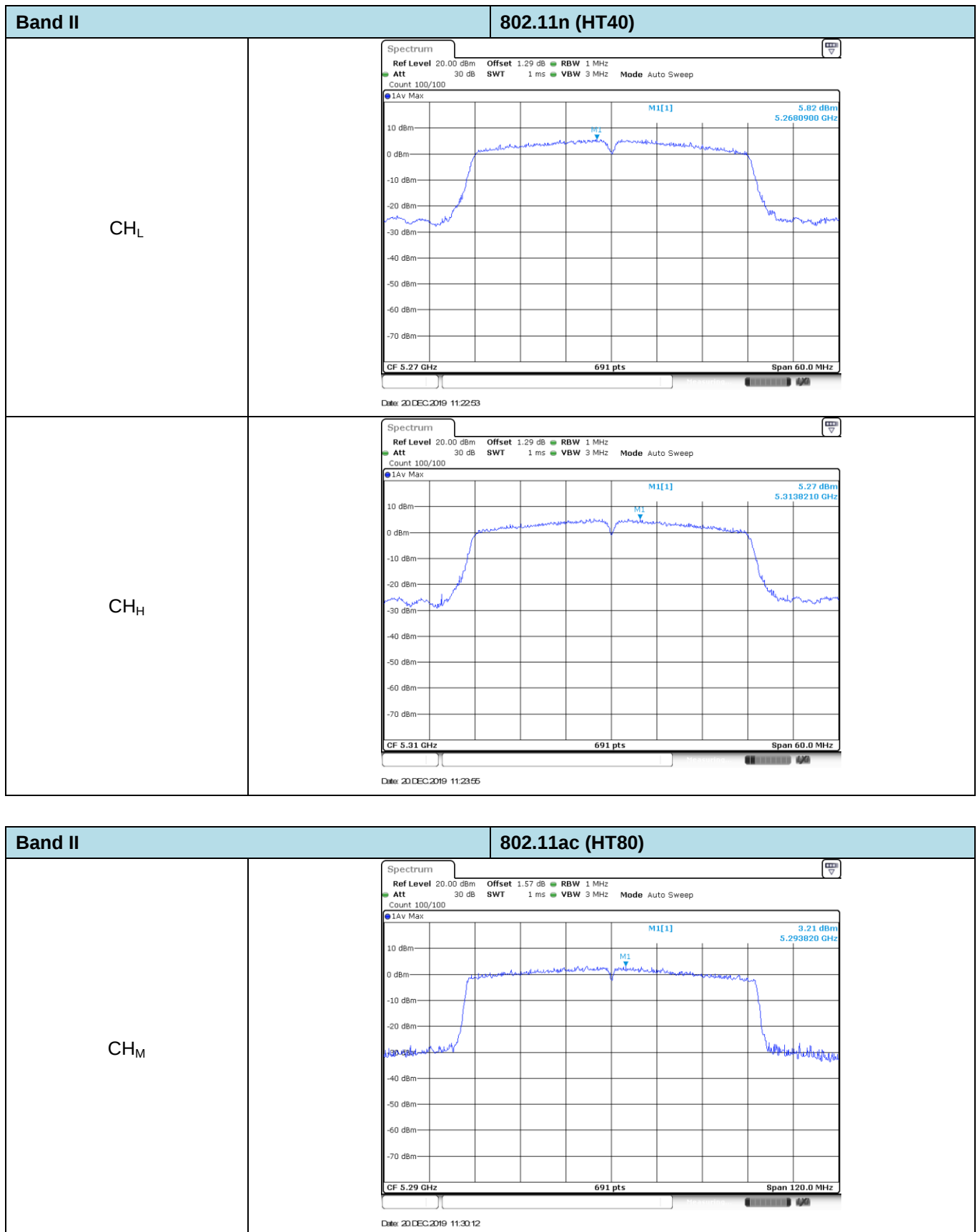


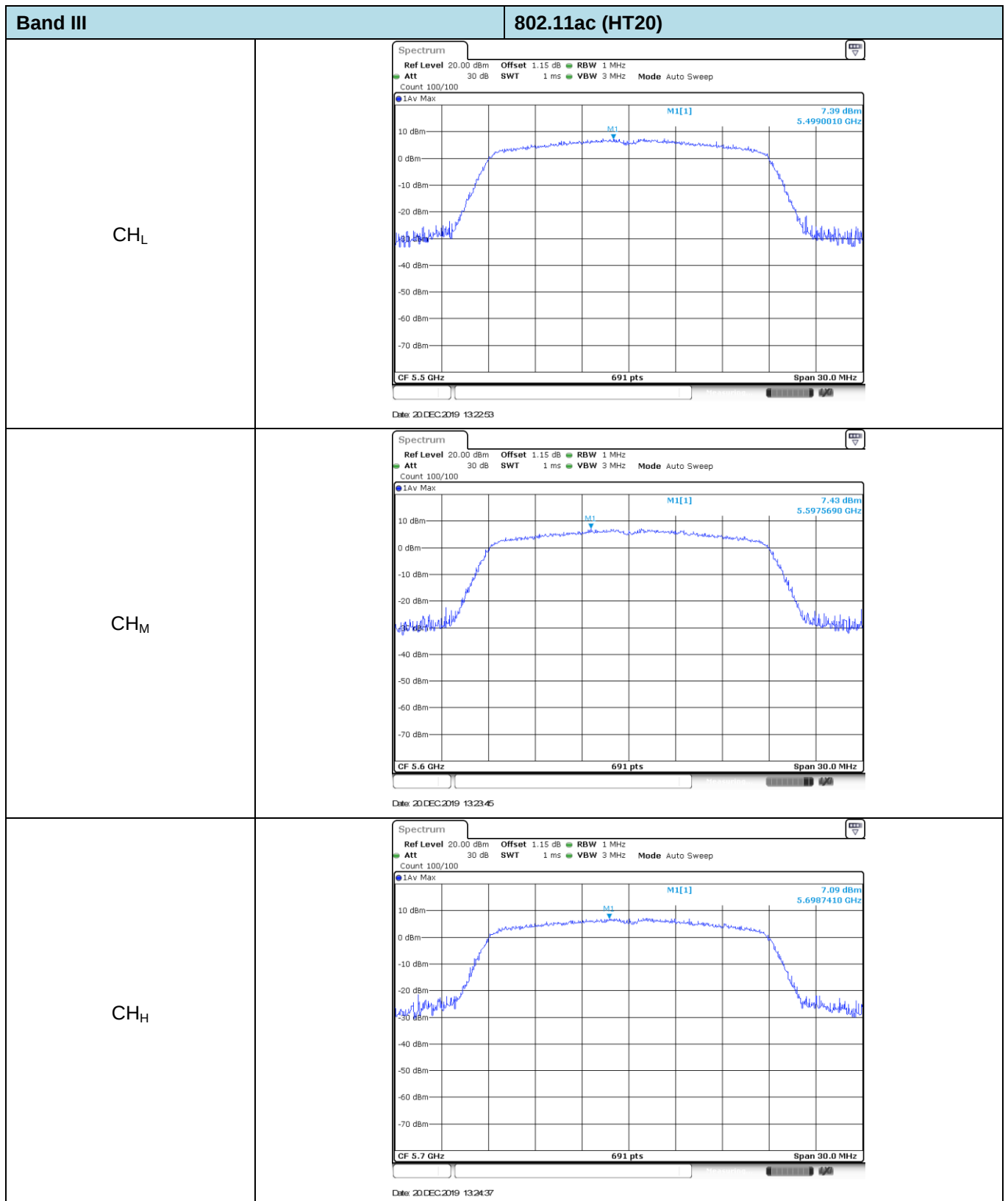


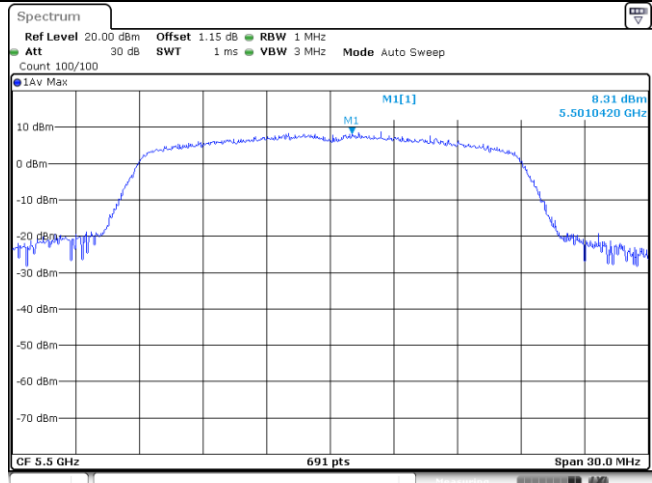
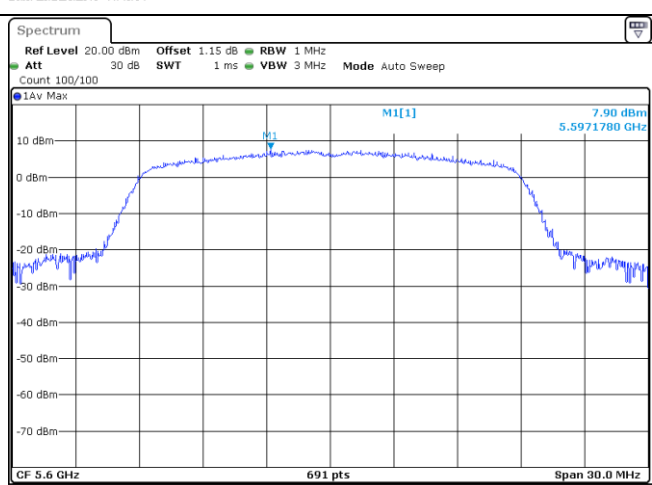
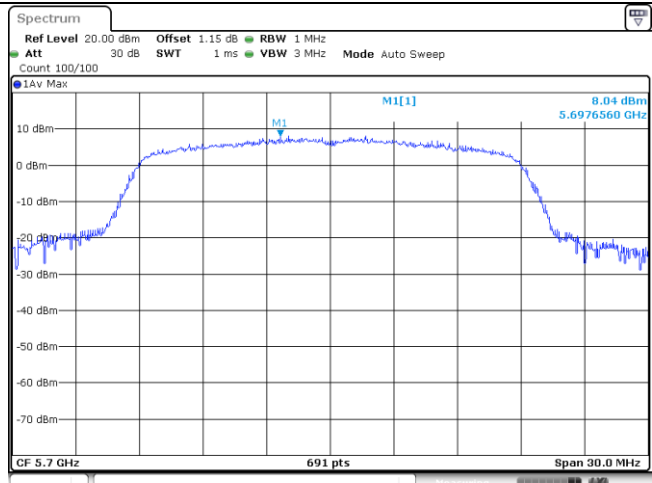
Band II		802.11n (HT20)
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.15 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 1Av Max  9.13 dBm 5.2592190 GHz CF 5.26 GHz 691 pts Span 30.0 MHz Date: 20 DEC 2019 11:19:27	
CH _M	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.15 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 1Av Max  9.83 dBm 5.2798280 GHz CF 5.28 GHz 691 pts Span 30.0 MHz Date: 20 DEC 2019 11:20:30	
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.15 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 1Av Max  9.71 dBm 5.3210850 GHz CF 5.32 GHz 691 pts Span 30.0 MHz Date: 20 DEC 2019 11:21:32	

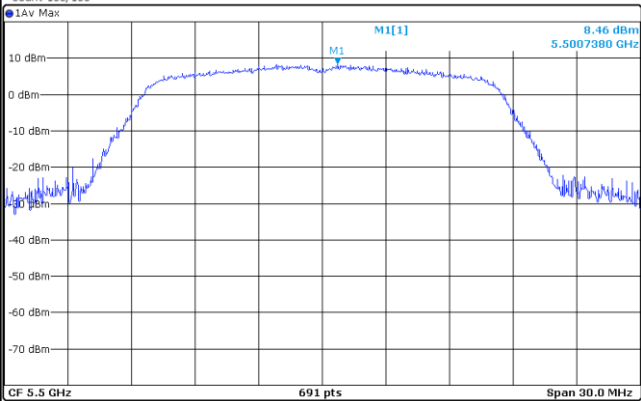
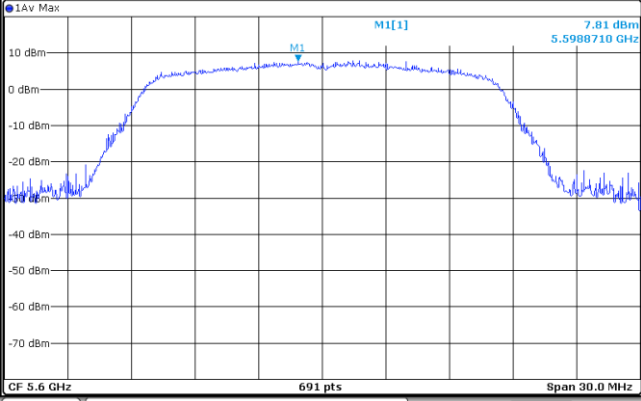
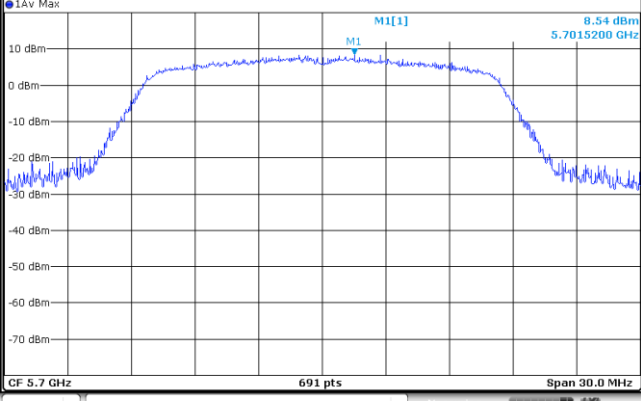
Band II		802.11a
CH _L	Spectrum plot for CH_L. The plot shows a signal centered at 5.26 GHz. The peak level is 9.19 dBm. The signal is labeled M1[1]. The plot includes a grid and various parameters: Ref Level 20.00 dBm, Offset 1.14 dB, RBW 1 MHz, Att 30 dB, SWT 1 ms, VBW 3 MHz, Mode Auto Sweep, Count 100/100. The x-axis is labeled CF 5.26 GHz and the y-axis is labeled Span 30.0 MHz.	
CH _M	Spectrum plot for CH_M. The plot shows a signal centered at 5.28 GHz. The peak level is 8.50 dBm. The signal is labeled M1[1]. The plot includes a grid and various parameters: Ref Level 20.00 dBm, Offset 1.14 dB, RBW 1 MHz, Att 30 dB, SWT 1 ms, VBW 3 MHz, Mode Auto Sweep, Count 100/100. The x-axis is labeled CF 5.28 GHz and the y-axis is labeled Span 30.0 MHz.	
CH _H	Spectrum plot for CH_H. The plot shows a signal centered at 5.32 GHz. The peak level is 8.48 dBm. The signal is labeled M1[1]. The plot includes a grid and various parameters: Ref Level 20.00 dBm, Offset 1.14 dB, RBW 1 MHz, Att 30 dB, SWT 1 ms, VBW 3 MHz, Mode Auto Sweep, Count 100/100. The x-axis is labeled CF 5.32 GHz and the y-axis is labeled Span 30.0 MHz.	

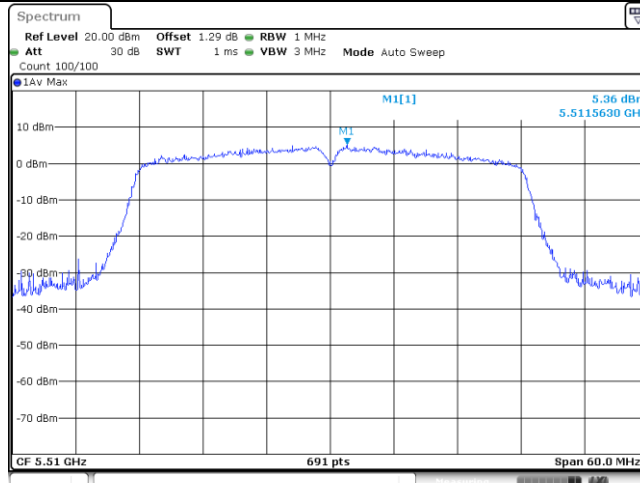
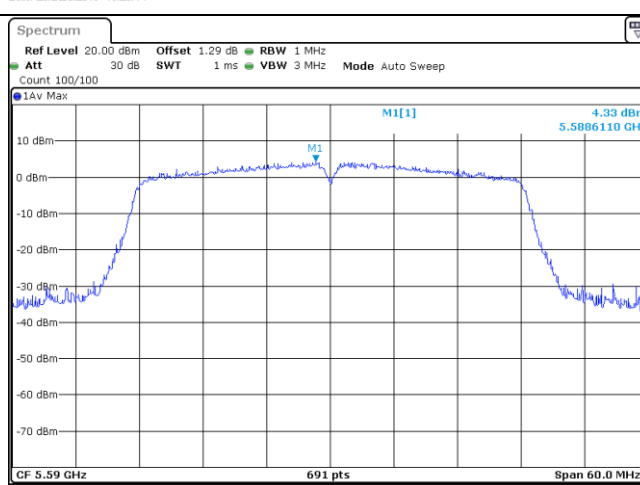
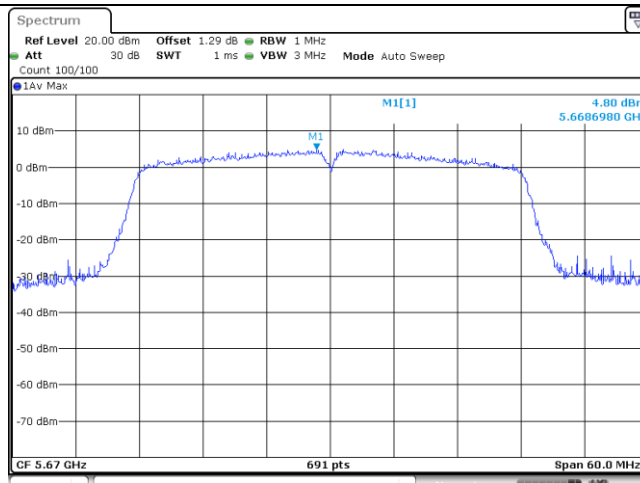


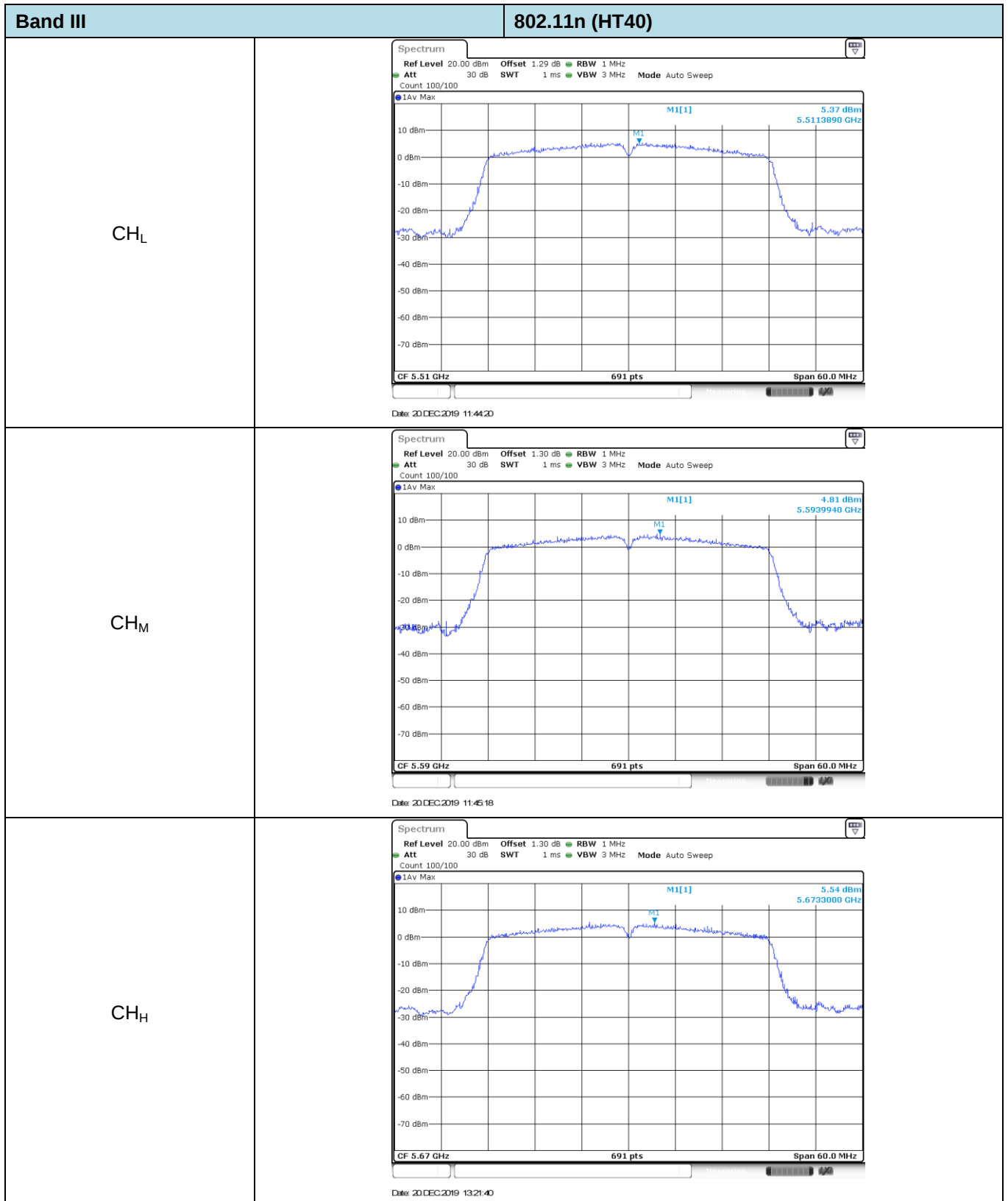


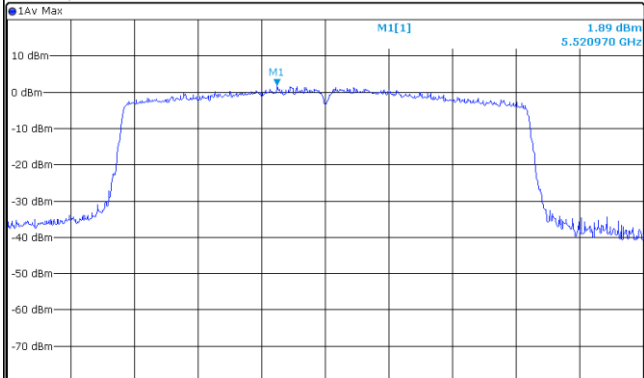
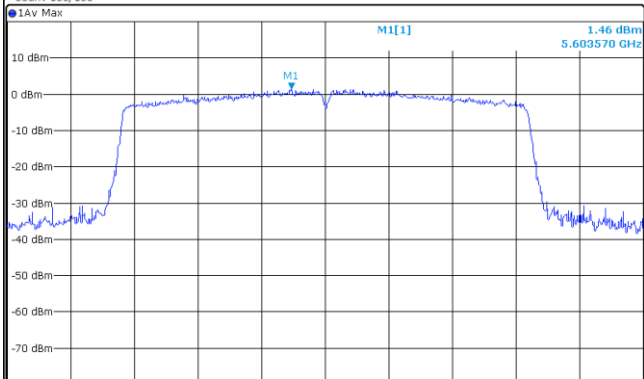
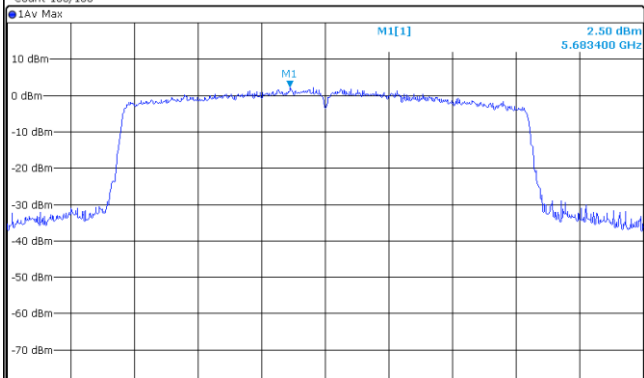


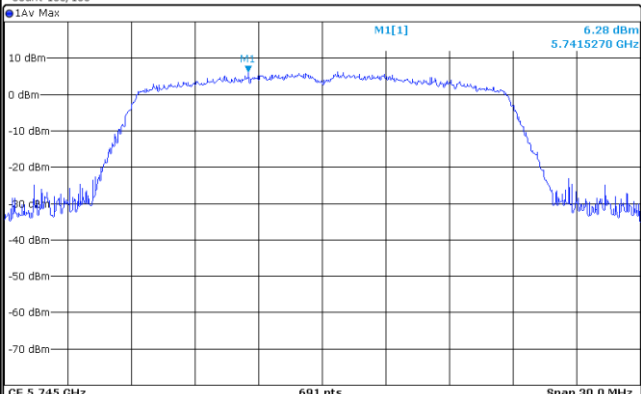
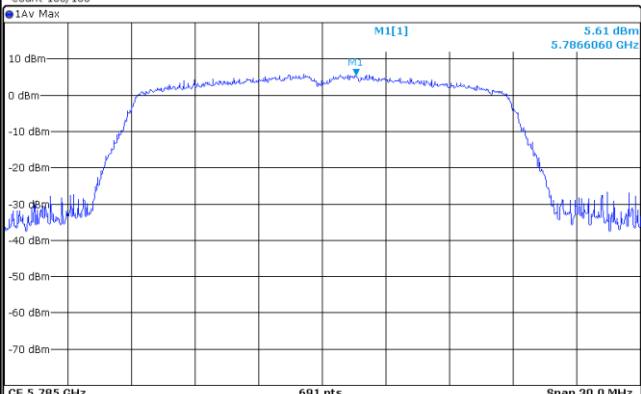
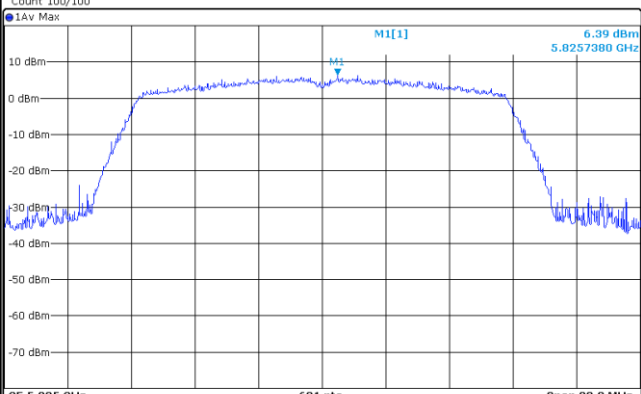
Band III	802.11n (HT20)
CH _L	 Spectrum Ref Level 20.00 dBm Offset 1.15 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1Av Max M1[1] 9.31 dBm 5.5010420 GHz CF 5.5 GHz 691 pts Span 30.0 MHz Date: 20 DEC 2019 11:40:34
CH _M	 Spectrum Ref Level 20.00 dBm Offset 1.15 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1Av Max M1[1] 7.90 dBm 5.5971780 GHz CF 5.6 GHz 691 pts Span 30.0 MHz Date: 20 DEC 2019 11:42:22
CH _H	 Spectrum Ref Level 20.00 dBm Offset 1.15 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1Av Max M1[1] 8.04 dBm 5.6976560 GHz CF 5.7 GHz 691 pts Span 30.0 MHz Date: 20 DEC 2019 11:43:15

Band III		802.11a
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.14 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IAV Max  CF 5.5 GHz691 ptsSpan 30.0 MHz Date: 20 DEC 2019 11:37:08	
CH _M	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.14 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IAV Max  CF 5.6 GHz691 ptsSpan 30.0 MHz Date: 20 DEC 2019 11:38:03	
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Offset 1.14 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep Count 100/100 IAV Max  CF 5.7 GHz691 ptsSpan 30.0 MHz Date: 20 DEC 2019 11:39:10	

Band III	802.11ac (HT40)
CH _L	 Spectrum Ref Level 20.00 dBm Offset 1.29 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep Count 100/100 IAV Max M1[1] 5.36 dBm 5.515630 GHz CF 5.51 GHz 691 pts Span 60.0 MHz Date: 20 DEC 2019 13:28:14
CH _M	 Spectrum Ref Level 20.00 dBm Offset 1.29 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep Count 100/100 IAV Max M1[1] 4.33 dBm 5.5886110 GHz CF 5.59 GHz 691 pts Span 60.0 MHz Date: 20 DEC 2019 13:27:15
CH _H	 Spectrum Ref Level 20.00 dBm Offset 1.29 dB RBW 1 MHz Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep Count 100/100 IAV Max M1[1] 4.80 dBm 5.6686980 GHz CF 5.67 GHz 691 pts Span 60.0 MHz Date: 20 DEC 2019 13:28:10



Band III		802.11ac (HT80)
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 1.57 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep 1Av Max M1 M1[1] 1.89 dBm 5.520970 GHz  CF 5.53 GHz 691 pts Span 120.0 MHz Date: 20 DEC 2019 13:29:14	
CH _M	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 1.57 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep 1Av Max M1 M1[1] 1.46 dBm 5.603570 GHz  CF 5.61 GHz 691 pts Span 120.0 MHz Date: 20 DEC 2019 13:30:12	
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 1.57 dB SWT 1 ms RBW 1 MHz VBW 3 MHz Mode Auto Sweep 1Av Max M1 M1[1] 2.50 dBm 5.683400 GHz  CF 5.69 GHz 691 pts Span 120.0 MHz Date: 20 DEC 2019 13:31:05	

Band IV		802.11ac (HT20)
CH _L	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 1.15 dB SWT 1 ms RBW 500 kHz VBW 3 MHz Mode Auto Sweep MI[1] 6.28 dBm 5.7415270 GHz  CF 5.745 GHz 691 pts Span 30.0 MHz Date: 20 DEC 2019 13:43:00	
CH _M	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 1.15 dB SWT 1 ms RBW 500 kHz VBW 3 MHz Mode Auto Sweep MI[1] 5.61 dBm 5.7866060 GHz  CF 5.785 GHz 691 pts Span 30.0 MHz Date: 20 DEC 2019 13:47:02	
CH _H	Spectrum Ref Level 20.00 dBm Att 30 dB Count 100/100 Offset 1.15 dB SWT 1 ms RBW 500 kHz VBW 3 MHz Mode Auto Sweep MI[1] 6.39 dBm 5.8257380 GHz  CF 5.825 GHz 691 pts Span 30.0 MHz Date: 20 DEC 2019 13:47:59	

Band IV

802.11n (HT20)

CH_L

Spectrum

Ref Level 20.00 dBm

Offset 1.15 dB

RBW 500 kHz

Att 30 dB

SWT 1 ms

VBW 3 MHz

Mode Auto Sweep

Count 100/100

14V Max

M1[1]

6.66 dBm

5.7465200 GHz

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

CF 5.745 GHz

691 pts

Span 30.0 MHz

Date: 20 DEC 2019 13:40:38

CH_M

Spectrum

Ref Level 20.00 dBm

Offset 1.15 dB

RBW 500 kHz

Att 30 dB

SWT 1 ms

VBW 3 MHz

Mode Auto Sweep

Count 100/100

14V Max

M1[1]

6.30 dBm

5.7834800 GHz

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

CF 5.785 GHz

691 pts

Span 30.0 MHz

Date: 20 DEC 2019 13:41:37

CH_H

Spectrum

Ref Level 20.00 dBm

Offset 1.15 dB

RBW 500 kHz

Att 30 dB

SWT 1 ms

VBW 3 MHz

Mode Auto Sweep

Count 100/100

14V Max

M1[1]

6.00 dBm

5.8240880 GHz

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

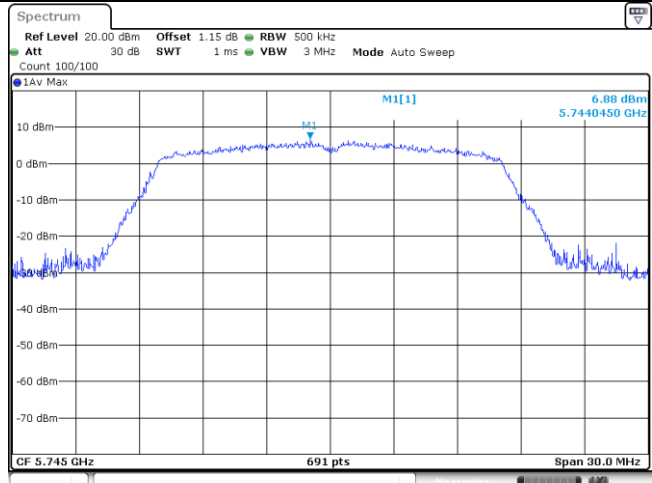
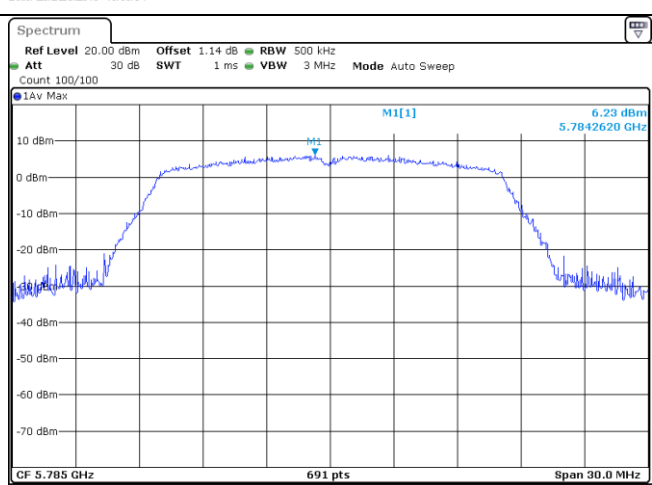
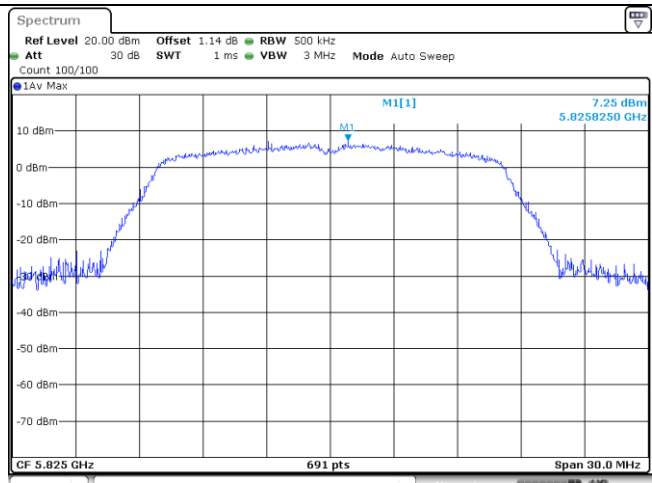
-70 dBm

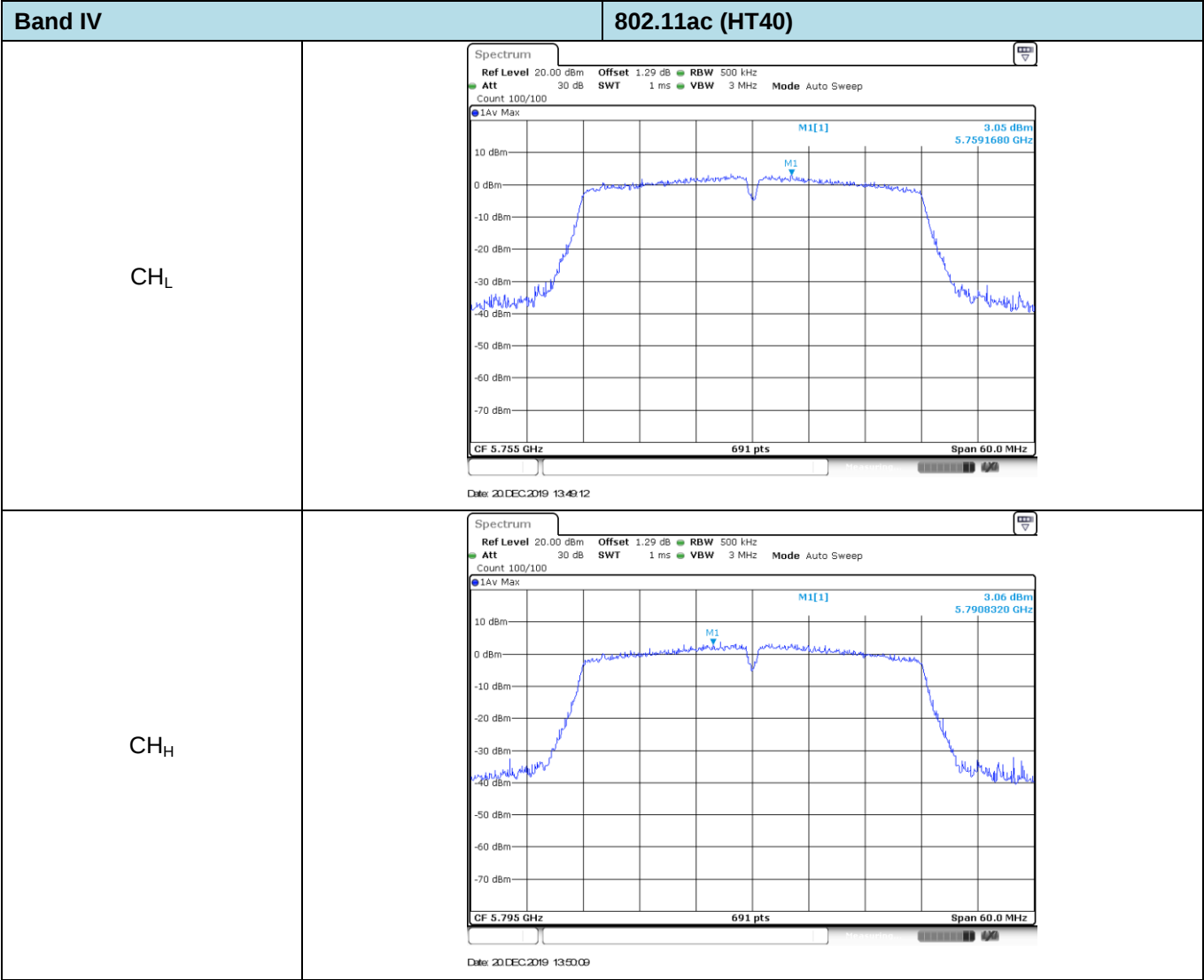
CF 5.825 GHz

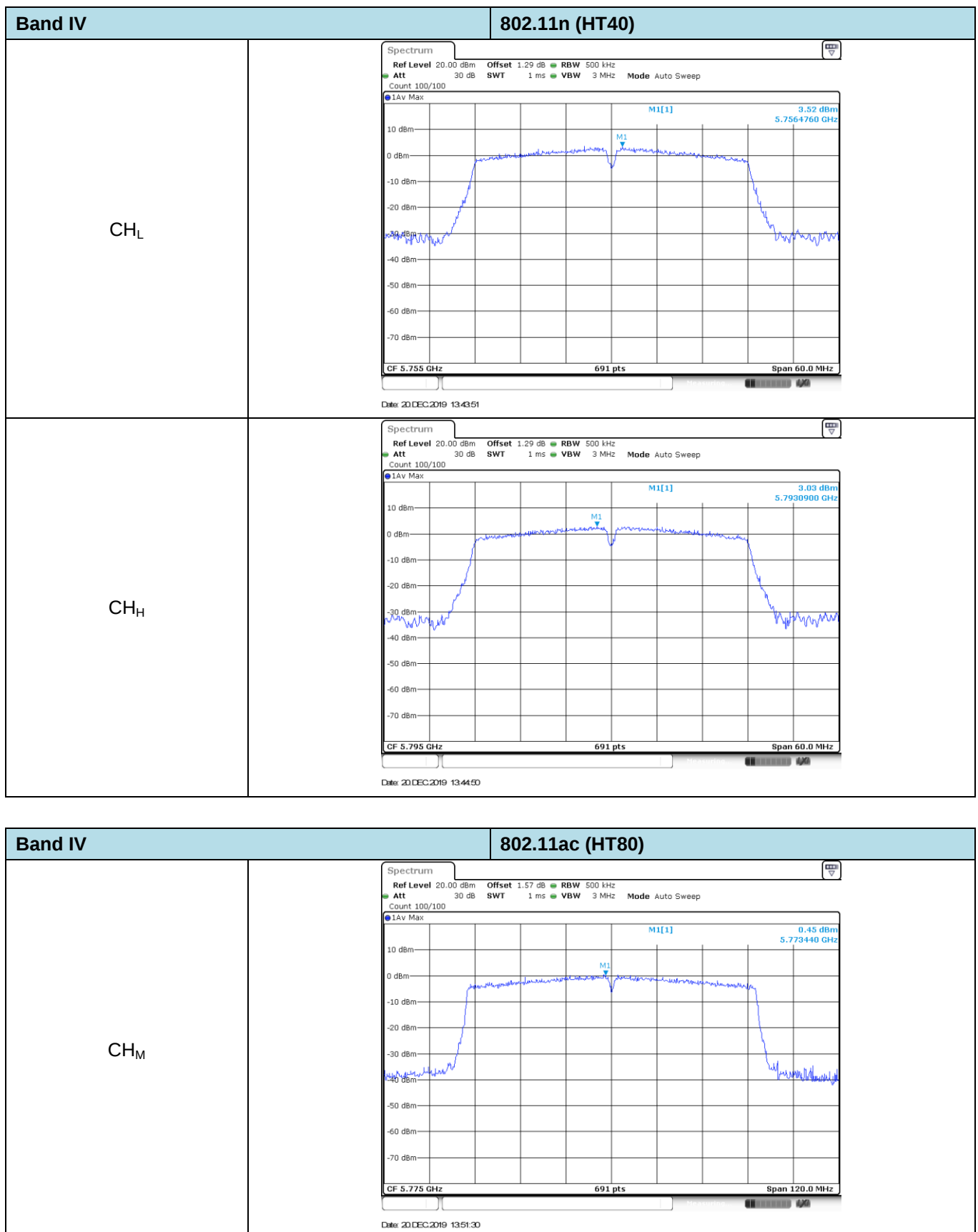
691 pts

Span 30.0 MHz

Date: 20 DEC 2019 13:42:37

Band IV	802.11a
CH _L	 Spectrum plot for CH_L. The plot shows a signal centered at 5.745 GHz. The peak power is 6.88 dBm at 5.7440450 GHz. The signal is within the 5.745 GHz channel.
CH _M	 Spectrum plot for CH_M. The plot shows a signal centered at 5.785 GHz. The peak power is 6.23 dBm at 5.7842620 GHz. The signal is within the 5.785 GHz channel.
CH _H	 Spectrum plot for CH_H. The plot shows a signal centered at 5.825 GHz. The peak power is 7.25 dBm at 5.8258250 GHz. The signal is within the 5.825 GHz channel.

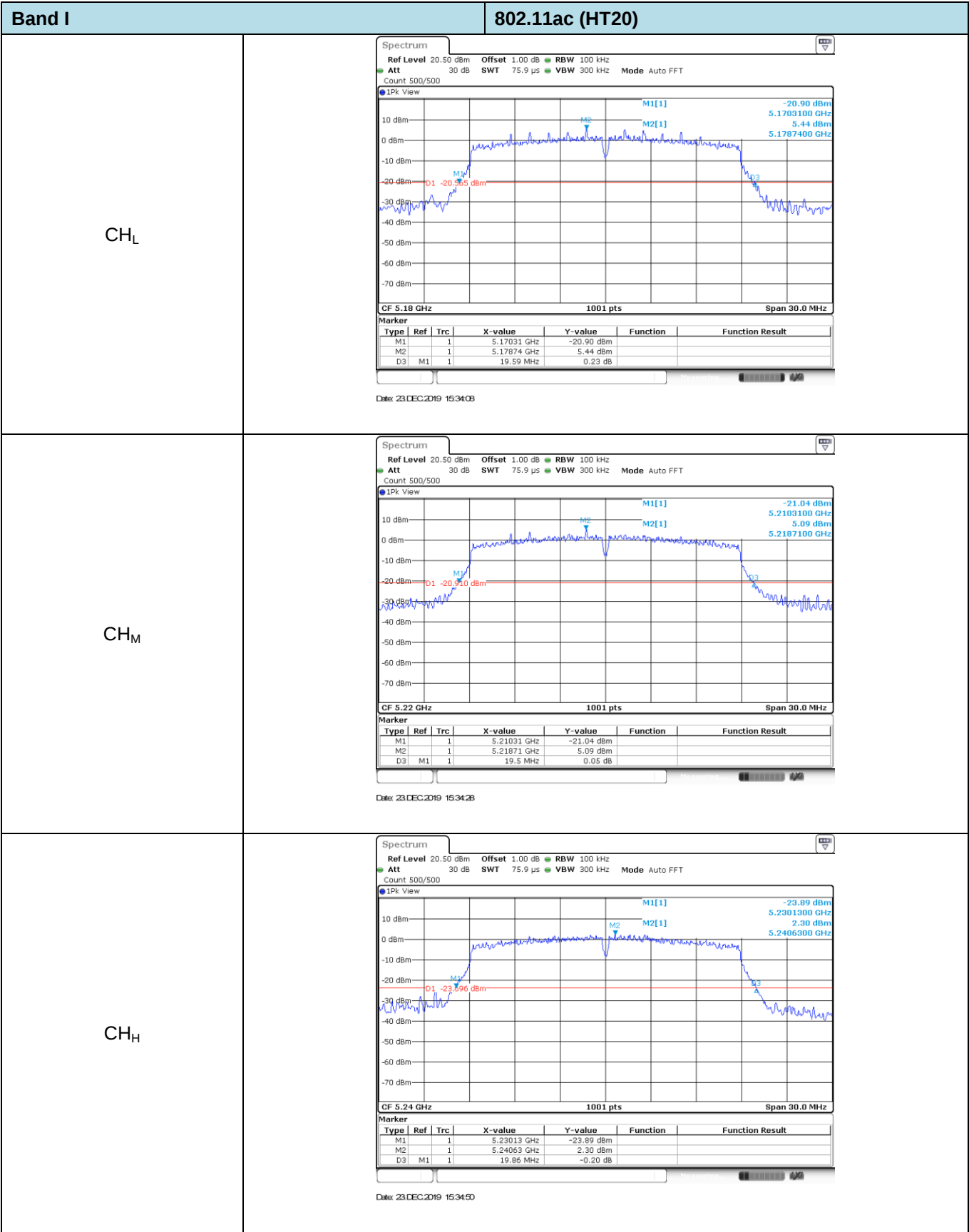


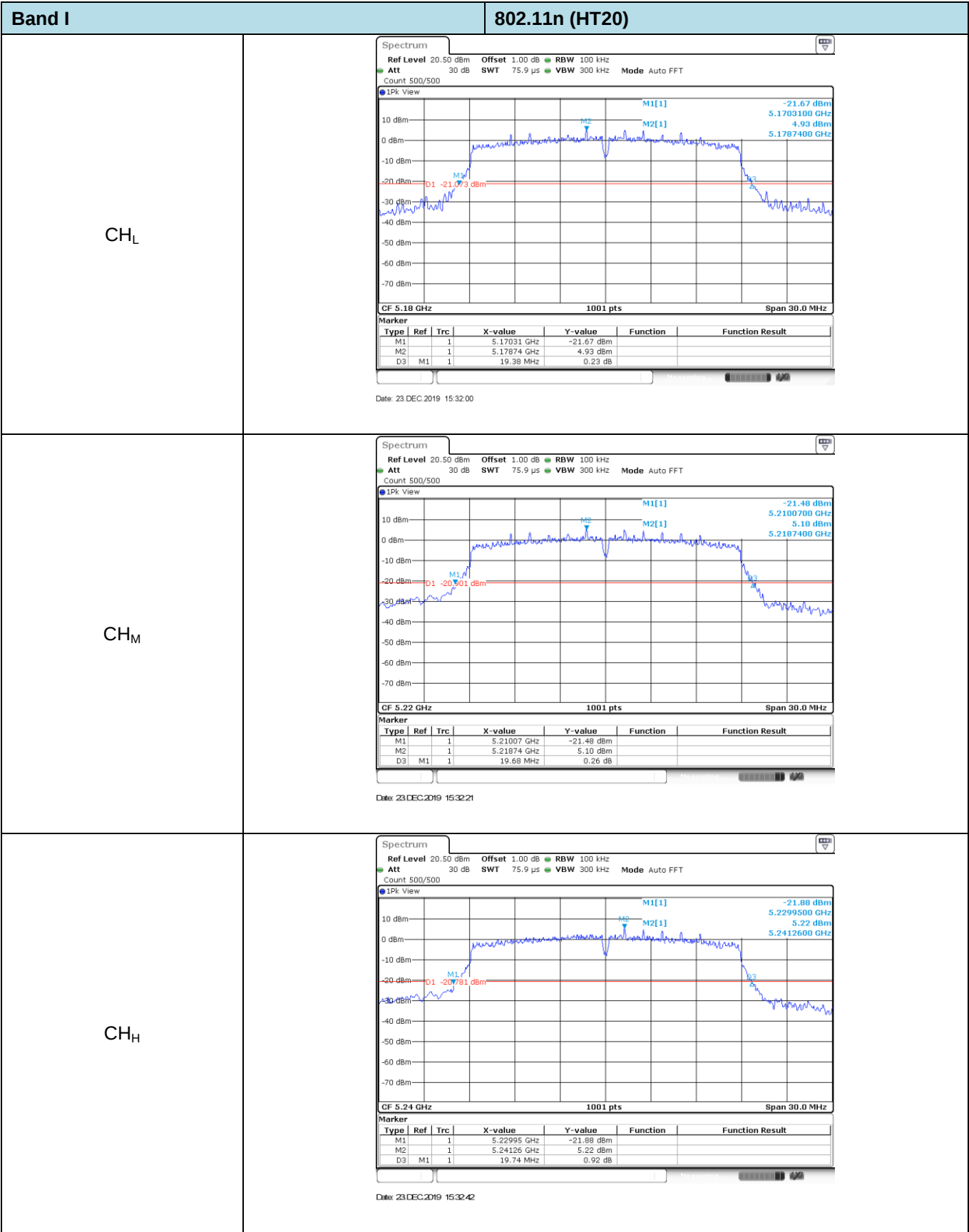


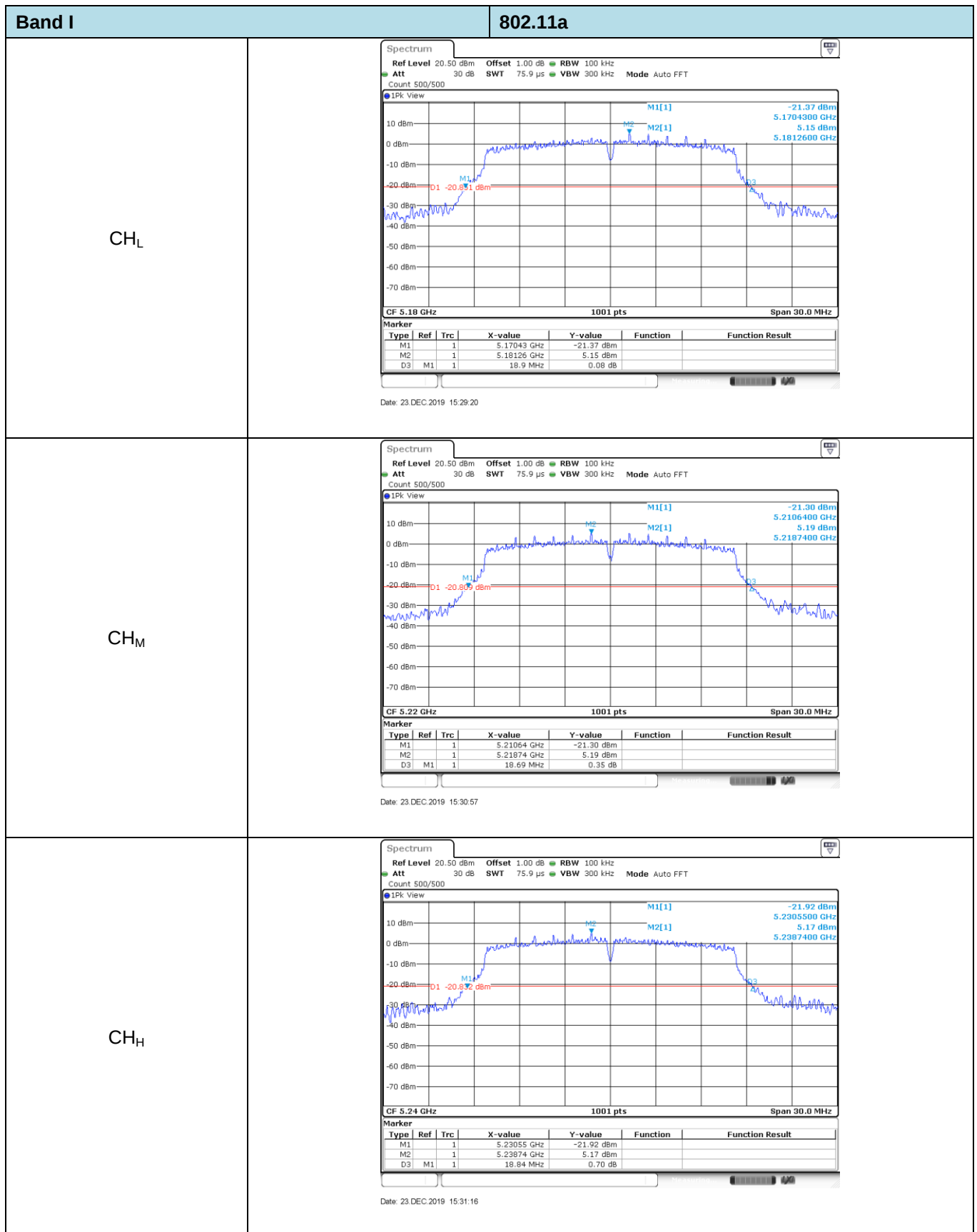
Appendix C: 26dB bandwidth

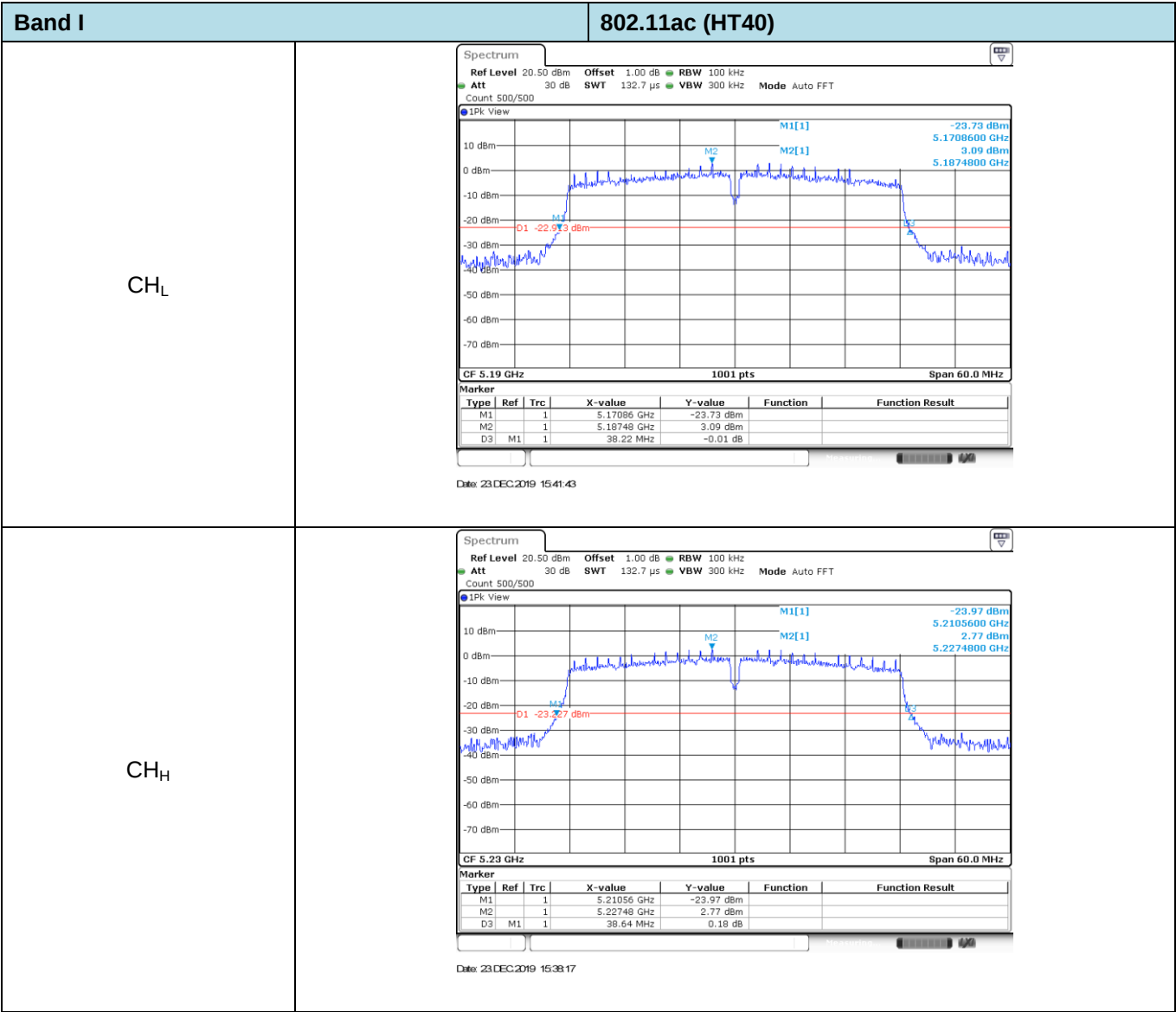
Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
I	20	802.11ac	CH _L	19.59	Pass
			CH _M	19.50	
			CH _H	19.86	
		802.11n	CH _L	19.38	Pass
			CH _M	19.68	
			CH _H	19.74	
		802.11a	CH _L	18.90	Pass
			CH _M	18.69	
			CH _H	18.84	
	40	802.11ac	CH _L	38.22	Pass
			CH _H	38.64	
		802.11n	CH _L	38.40	Pass
			CH _H	38.46	
	80	802.11ac	CH _M	78.12	Pass
II	20	802.11ac	CH _L	20.46	Pass
			CH _M	20.16	
			CH _H	20.46	
		802.11n	CH _L	20.52	Pass
			CH _M	20.40	
			CH _H	20.46	
		802.11a	CH _L	20.16	Pass
			CH _M	20.13	
			CH _H	20.04	
	40	802.11ac	CH _L	42.42	Pass
			CH _H	40.92	
		802.11n	CH _L	41.28	Pass
			CH _H	41.10	
	80	802.11ac	CH _M	81.96	Pass

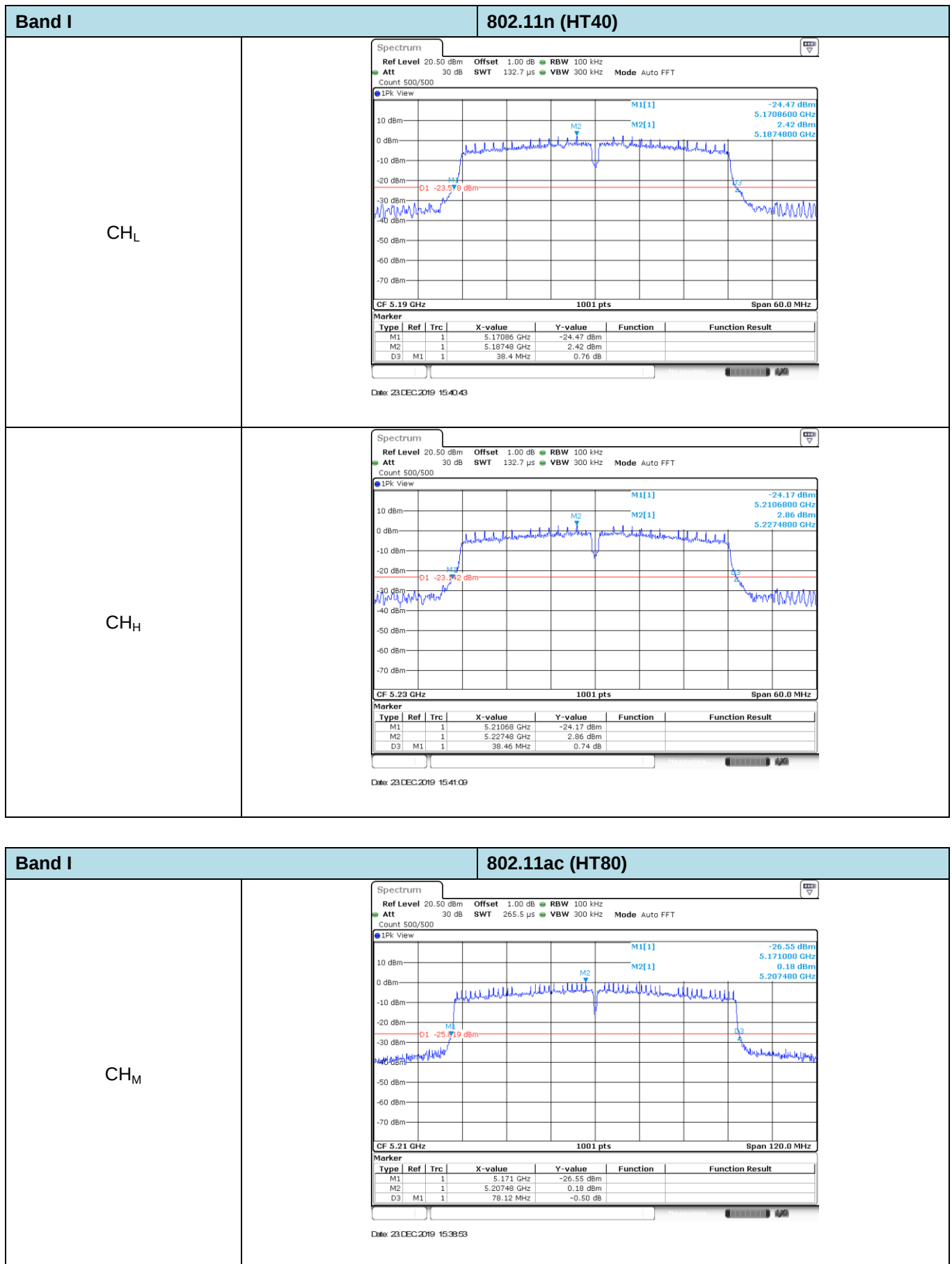
Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
III	20	802.11ac	CH _L	20.40	Pass
			CH _M	20.46	
			CH _H	20.40	
		802.11n	CH _L	20.37	Pass
			CH _M	20.13	
			CH _H	20.28	
		802.11a	CH _L	19.98	Pass
			CH _M	20.07	
			CH _H	19.86	
	40	802.11ac	CH _L	40.92	Pass
			CH _M	41.04	
			CH _H	41.22	
		802.11n	CH _L	41.10	Pass
			CH _M	40.92	
			CH _H	40.92	
	80	802.11ac	CH _L	81.36	Pass
			CH _M	81.60	
			CH _H	81.24	

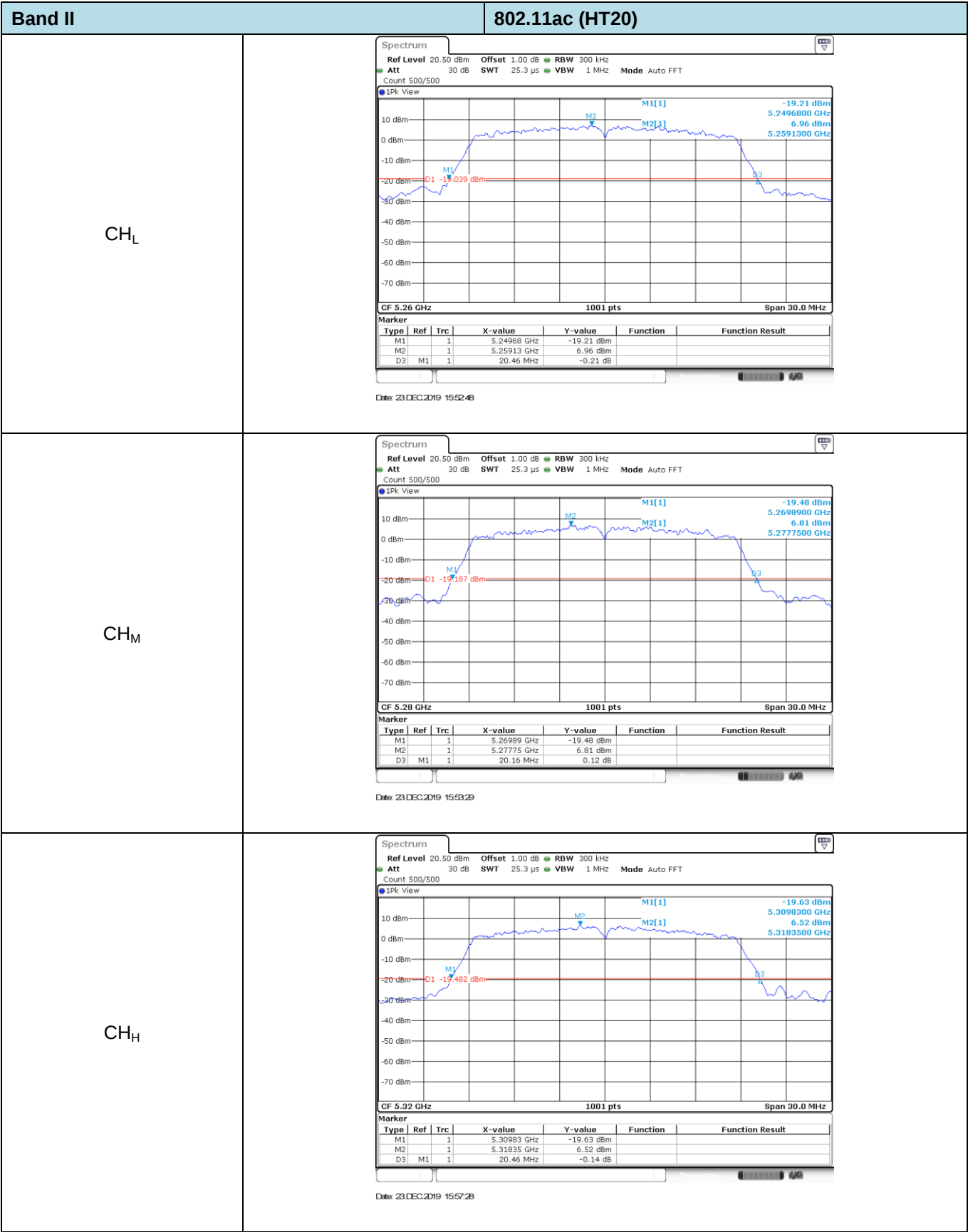


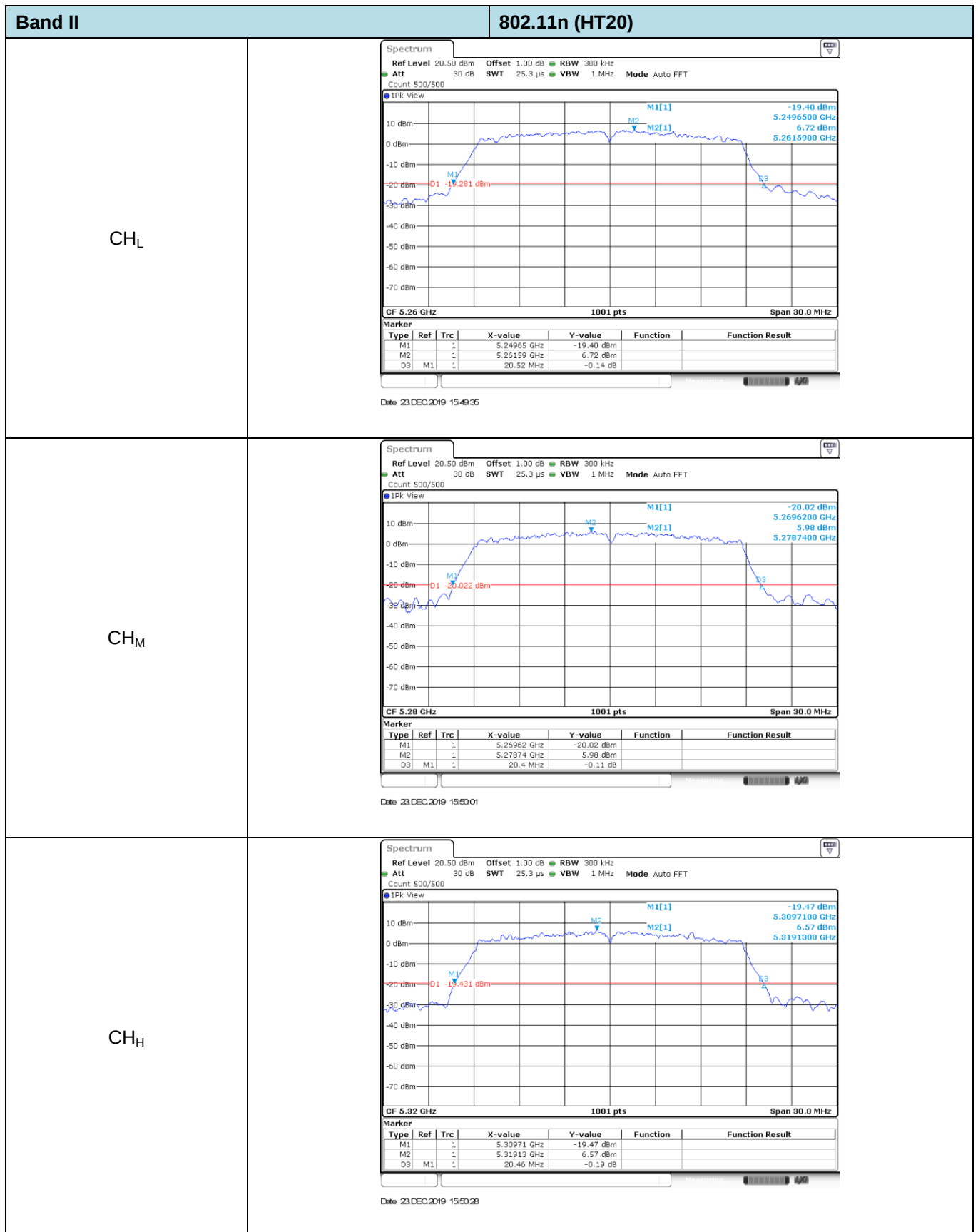


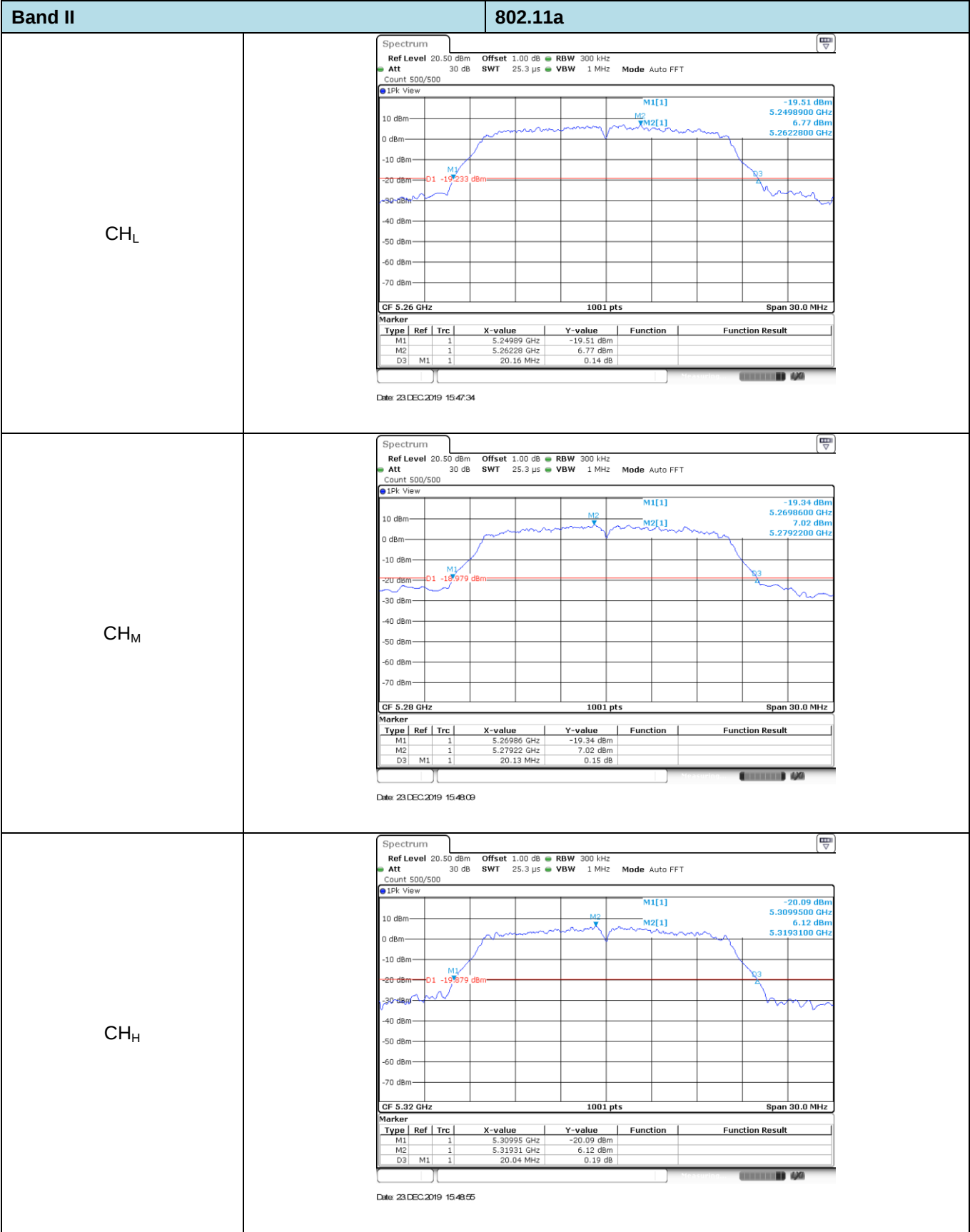


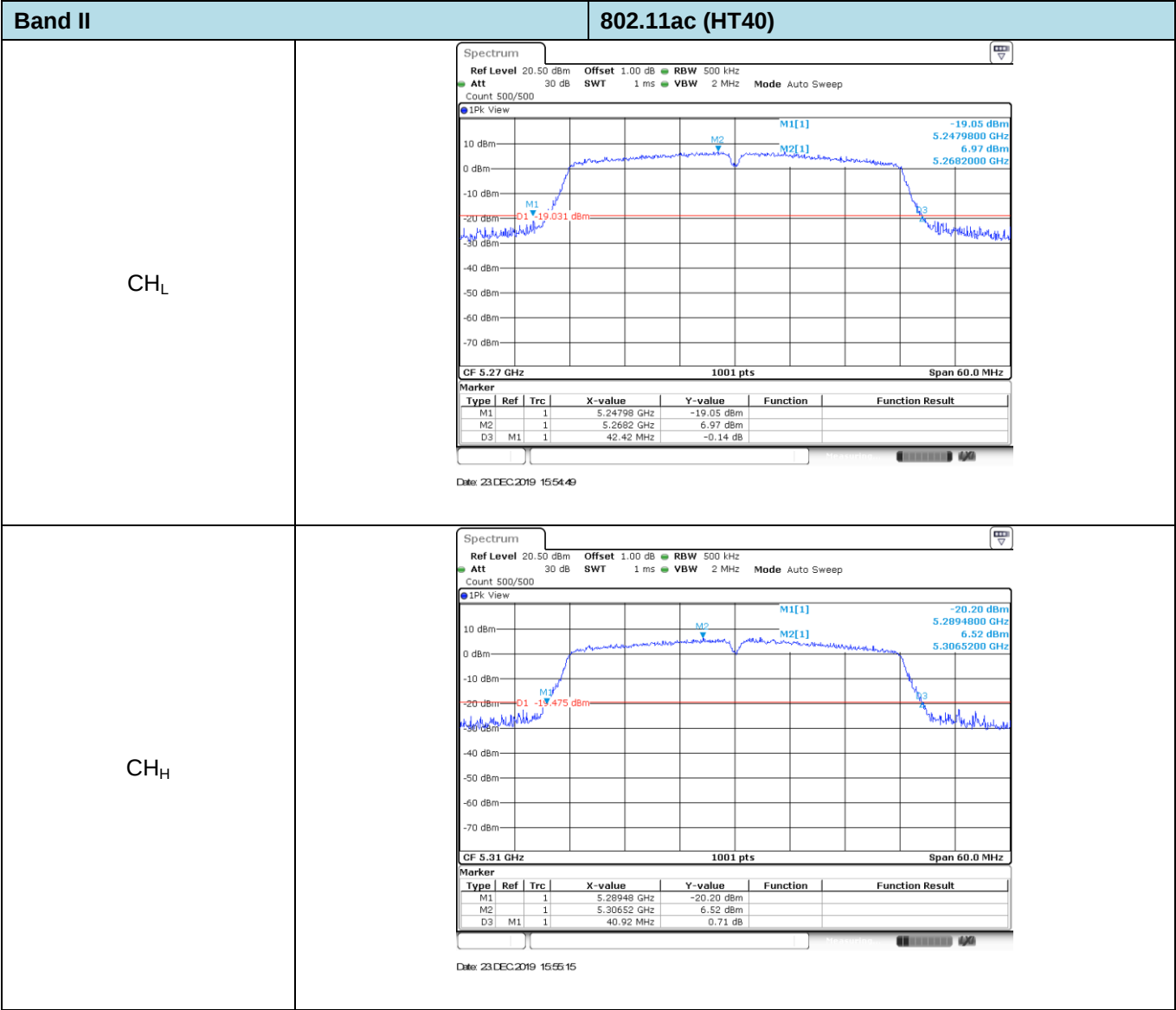


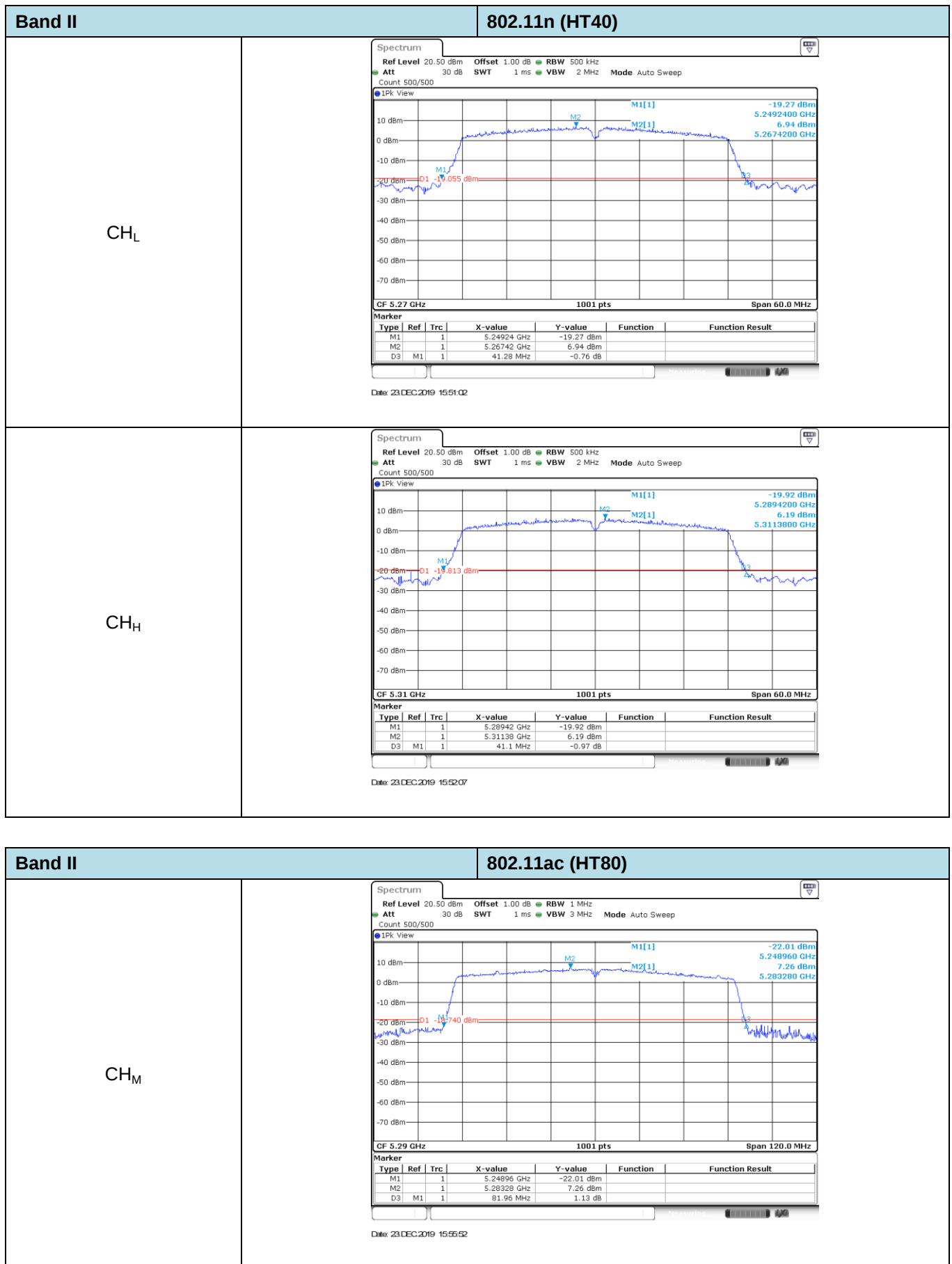


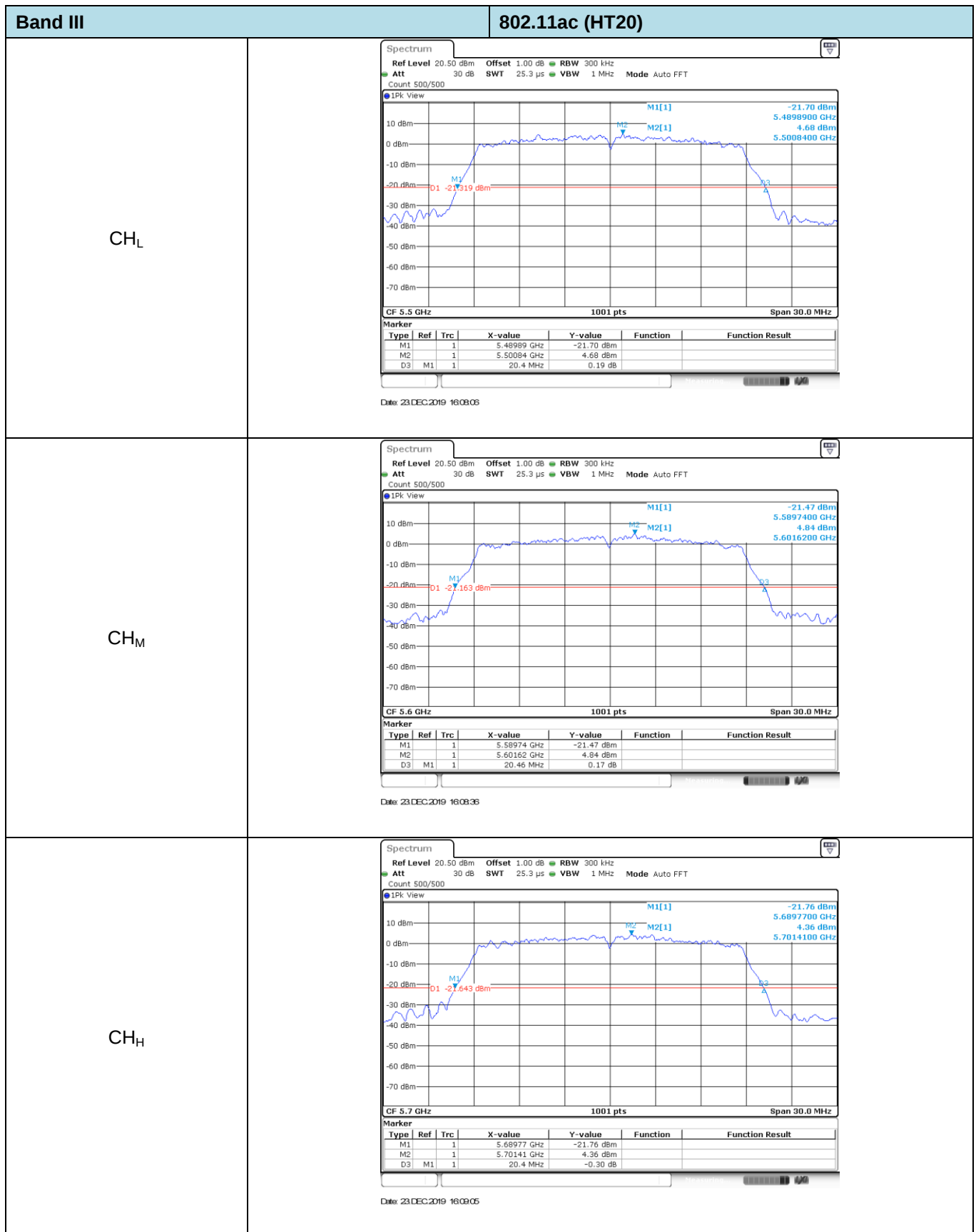


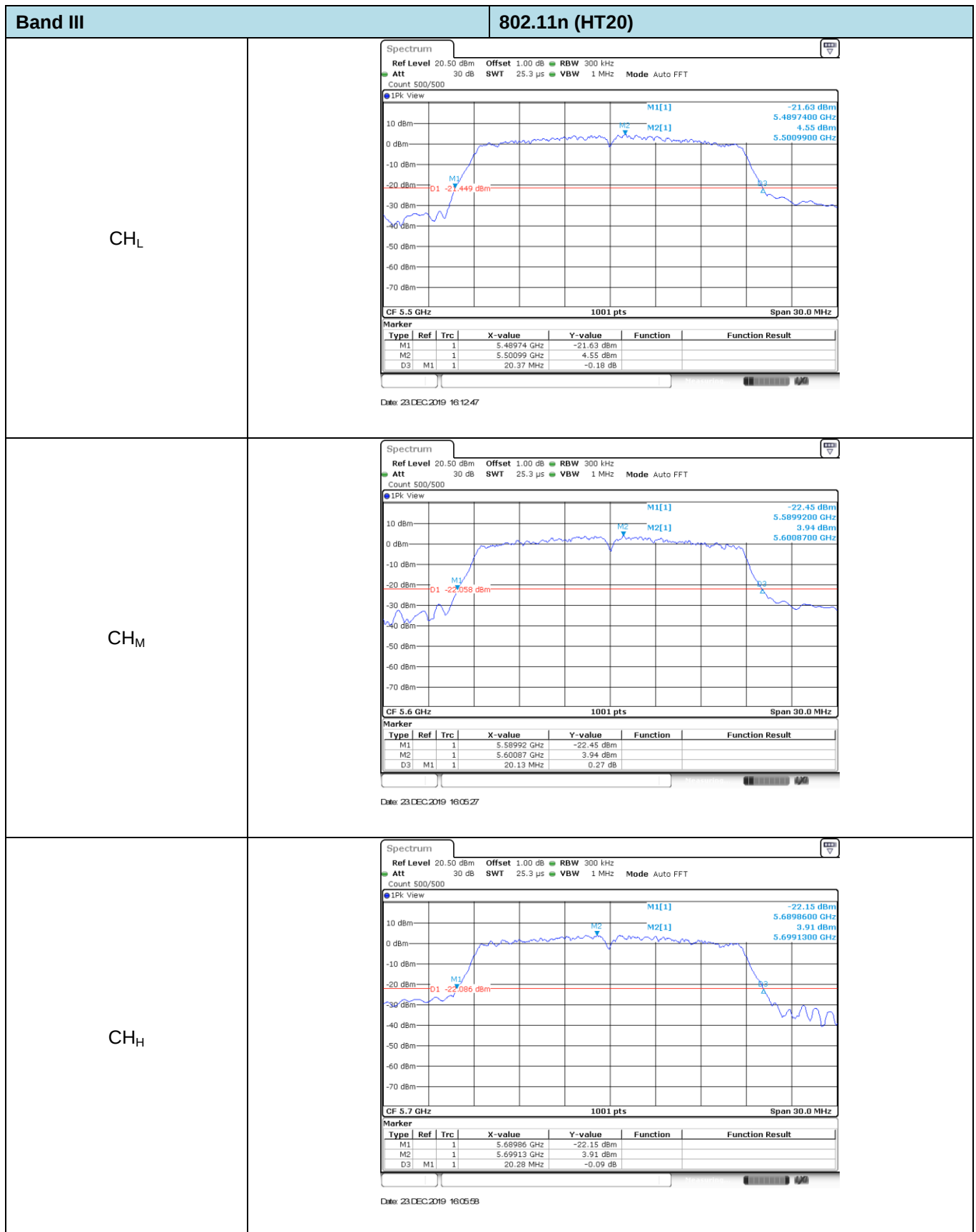




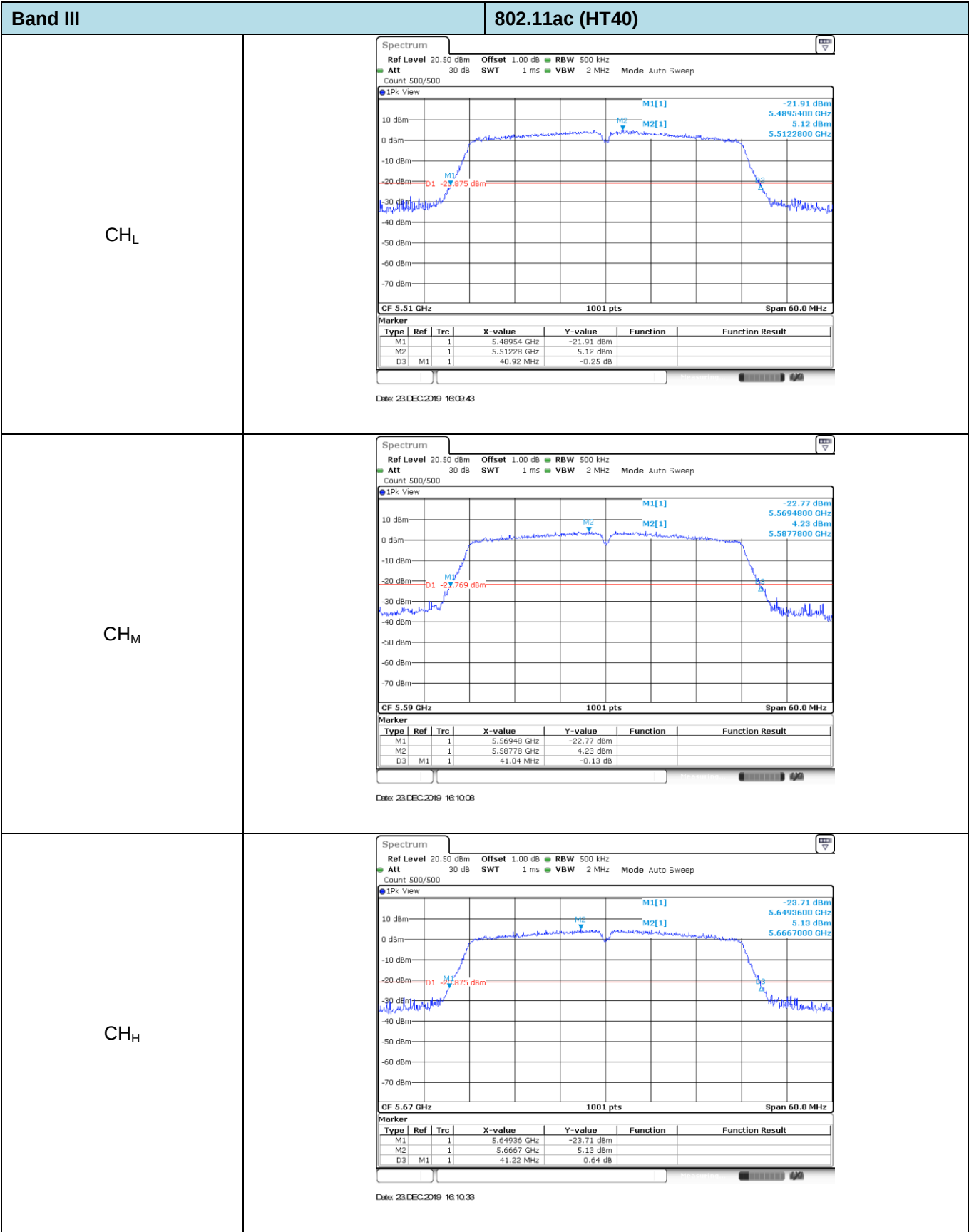


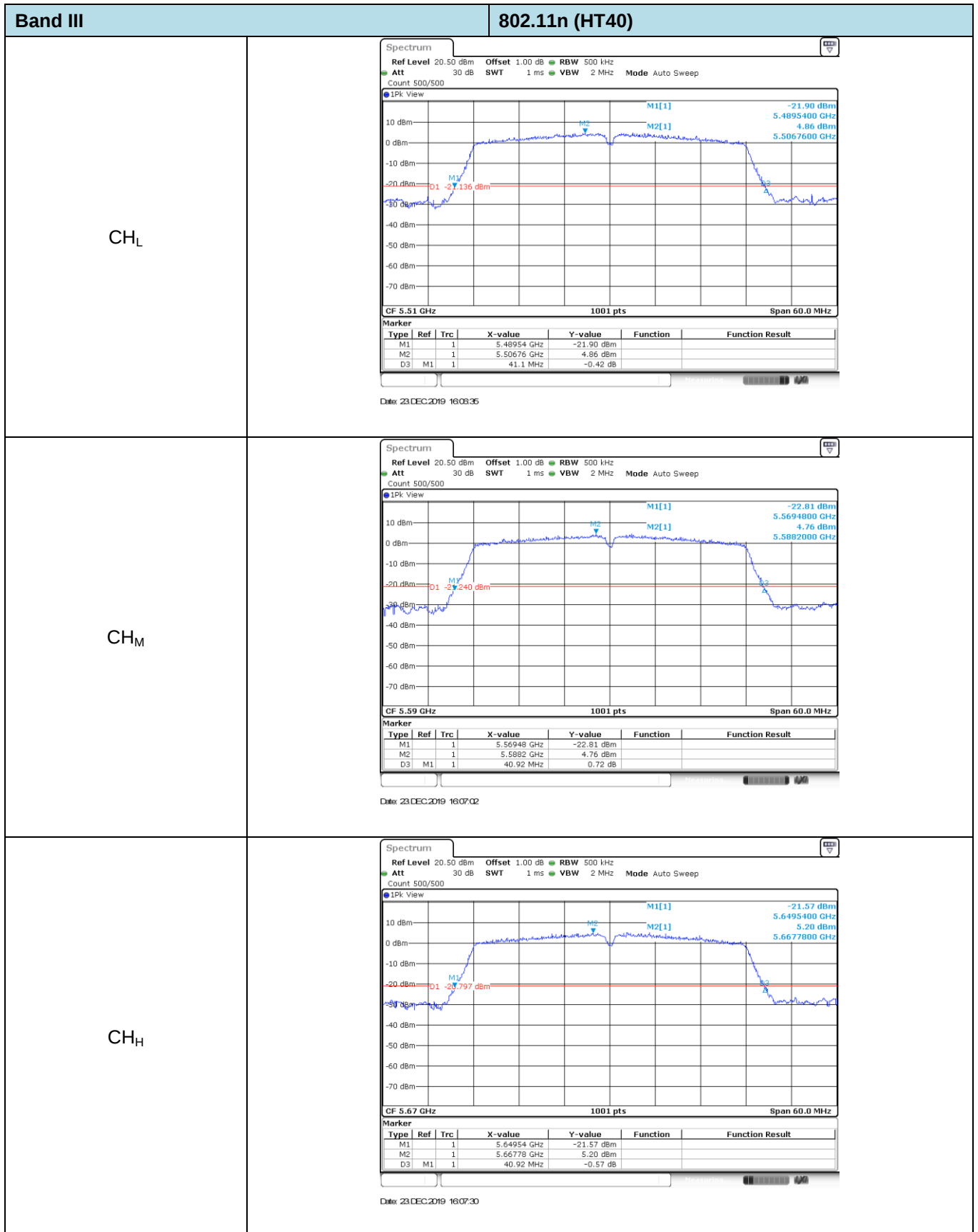


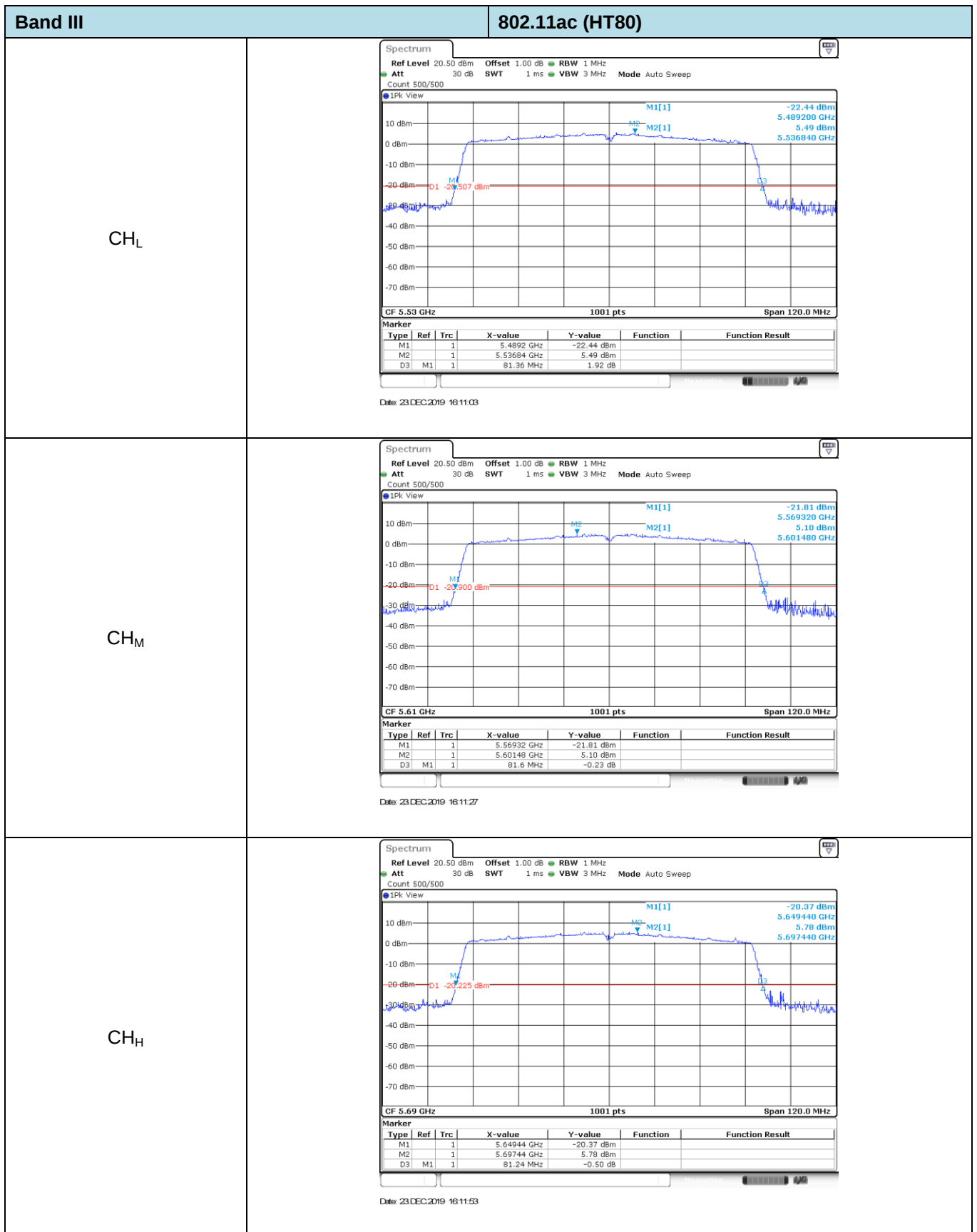




Band III		802.11a																											
CH _L	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 1.00 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View CF 5.5 GHz 1001 pts Span 30.0 MHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td>1</td><td>5.48992 GHz</td><td>-21.20 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td>1</td><td>5.50135 GHz</td><td>-4.87 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>19.98 MHz</td><td>-0.00 dB</td><td></td><td></td></tr></table> Date: 23 DEC 2019 16:02:46	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1	5.48992 GHz	-21.20 dBm			M2	1	1	5.50135 GHz	-4.87 dBm			D3	M1	1	19.98 MHz	-0.00 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1	1	1	5.48992 GHz	-21.20 dBm																									
M2	1	1	5.50135 GHz	-4.87 dBm																									
D3	M1	1	19.98 MHz	-0.00 dB																									
CH _M	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 1.00 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View CF 5.6 GHz 1001 pts Span 30.0 MHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td>1</td><td>5.59004 GHz</td><td>-21.56 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td>1</td><td>5.59901 GHz</td><td>-4.65 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>20.07 MHz</td><td>-0.12 dB</td><td></td><td></td></tr></table> Date: 23 DEC 2019 16:03:17	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1	5.59004 GHz	-21.56 dBm			M2	1	1	5.59901 GHz	-4.65 dBm			D3	M1	1	20.07 MHz	-0.12 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1	1	1	5.59004 GHz	-21.56 dBm																									
M2	1	1	5.59901 GHz	-4.65 dBm																									
D3	M1	1	20.07 MHz	-0.12 dB																									
CH _H	Spectrum Ref Level 20.50 dBm Att 30 dB Count 500/500 Offset 1.00 dB SWT 25.3 μs RBW 300 kHz VBW 1 MHz Mode Auto FFT IPk View CF 5.7 GHz 1001 pts Span 30.0 MHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td>1</td><td>5.68998 GHz</td><td>-22.10 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td>1</td><td>5.69865 GHz</td><td>-4.39 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>19.86 MHz</td><td>0.45 dB</td><td></td><td></td></tr></table> Date: 23 DEC 2019 16:03:53	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1	1	5.68998 GHz	-22.10 dBm			M2	1	1	5.69865 GHz	-4.39 dBm			D3	M1	1	19.86 MHz	0.45 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																							
M1	1	1	5.68998 GHz	-22.10 dBm																									
M2	1	1	5.69865 GHz	-4.39 dBm																									
D3	M1	1	19.86 MHz	0.45 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	17.83	
			CH _H	17.56	
		802.11n	CH _L	18.25	Pass
			CH _M	18.04	
			CH _H	18.43	
		802.11a	CH _L	18.01	Pass
			CH _M	17.32	
			CH _H	18.22	
	40	802.11ac	CH _L	36.02	Pass
			CH _H	36.08	
		802.11n	CH _L	36.14	Pass
			CH _H	36.20	
	80	802.11ac	CH _M	75.29	Pass
II	20	802.11ac	CH _L	17.62	Pass
			CH _M	17.62	
			CH _H	17.68	
		802.11n	CH _L	17.80	Pass
			CH _M	17.62	
			CH _H	17.77	
		802.11a	CH _L	16.75	Pass
			CH _M	16.69	
			CH _H	16.75	
	40	802.11ac	CH _L	36.08	Pass
			CH _H	36.08	
		802.11n	CH _L	36.20	Pass
			CH _H	36.20	
	80	802.11ac	CH _M	75.29	Pass

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
III	20	802.11ac	CH _L	17.59	Pass
			CH _M	17.62	
			CH _H	17.59	
		802.11n	CH _L	17.65	Pass
			CH _M	17.77	
			CH _H	17.74	
		802.11a	CH _L	16.63	Pass
			CH _M	16.60	
			CH _H	16.57	
	40	802.11ac	CH _L	36.08	Pass
			CH _M	36.02	
			CH _H	36.08	
		802.11n	CH _L	36.08	Pass
			CH _M	36.14	
			CH _H	36.20	
	80	802.11ac	CH _L	75.05	Pass
			CH _M	75.17	
			CH _H	75.05	

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	17.59	Pass
			CH _M	17.59	
			CH _H	17.62	
		802.11n	CH _L	17.77	Pass
			CH _M	17.59	
			CH _H	17.65	
		802.11a	CH _L	16.60	Pass
			CH _M	16.51	
			CH _H	16.63	
	40	802.11ac	CH _L	36.14	Pass
			CH _H	36.08	
		802.11n	CH _L	36.12	Pass
			CH _H	36.12	
	80	802.11ac	CH _M	75.17	Pass