

APPENDIX REPORT

Project No.	SHT1911084903EW	Radio Specification	WIFI 5G
Test sample No.	YPHT19110849003	Model No.	T3.0
Start test date	2019/9/11	Finish date	2019/9/11
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	19.20	24.00	Pass
			CH _M	20.15		
			CH _H	20.01		
		802.11n	CH _L	19.28	24.00	Pass
			CH _M	20.18		
			CH _H	19.32		
		802.11a	CH _L	19.37	24.00	Pass
			CH _M	20.34		
			CH _H	20.12		
	40	802.11ac	CH _L	19.37	24.00	Pass
			CH _H	19.93		
	80	802.11ac	CH _M	19.58	24.00	Pass

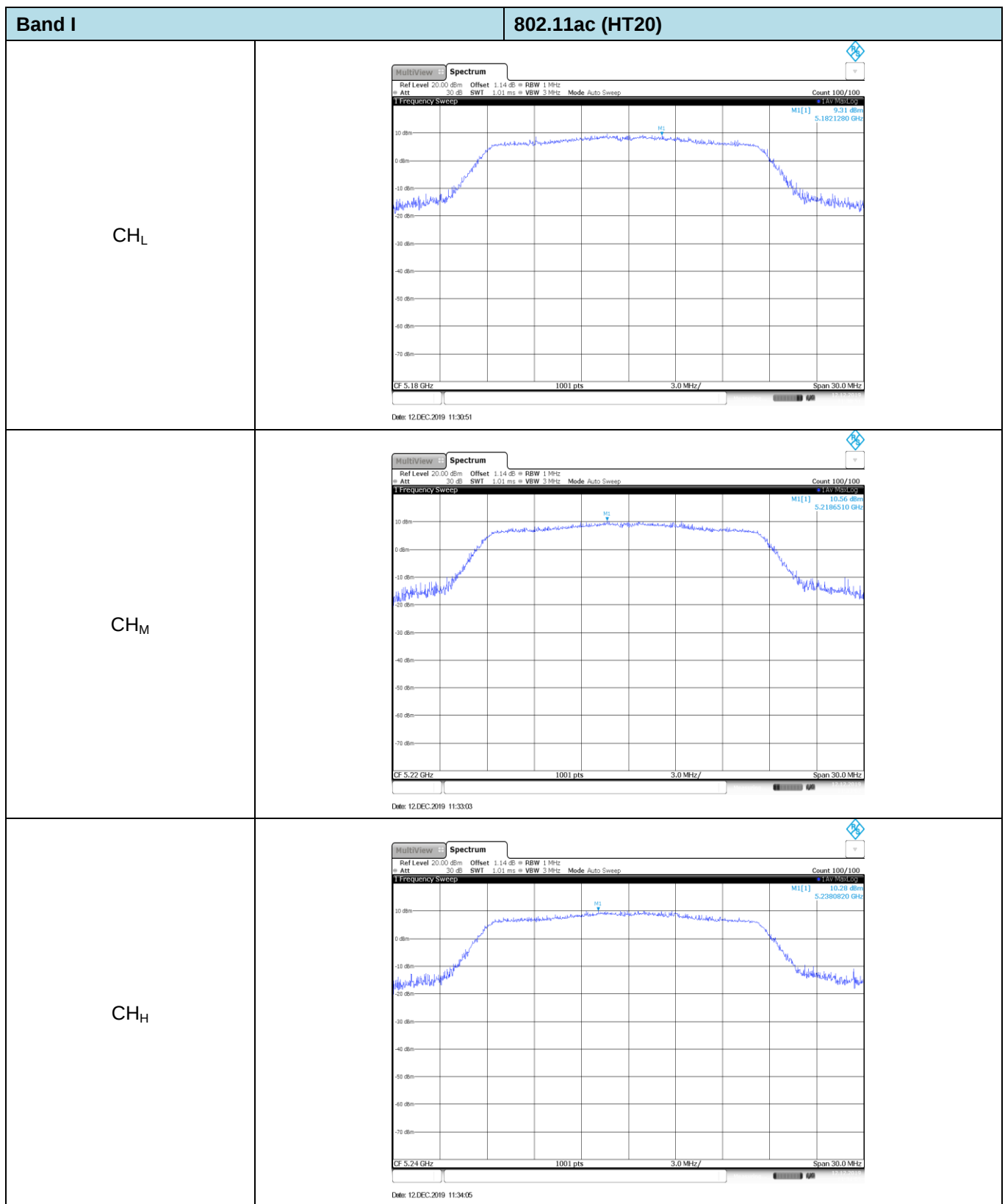
Band	Bandwidth (MHz)	Type	Channel	Conducted Output Power (dBm)	Limit (dBm)	Result
IV	20	802.11ac	CH _L	8.89	30.00	Pass
			CH _M	7.71		
			CH _H	7.94		
		802.11n	CH _L	8.95	30.00	Pass
			CH _M	7.69		
			CH _H	7.93		
		802.11a	CH _L	9.16	30.00	Pass
			CH _M	7.84		
			CH _H	8.03		
	40	802.11ac	CH _L	6.89	30.00	Pass
			CH _H	6.38		
	80	802.11ac	CH _M	6.69	30.00	Pass

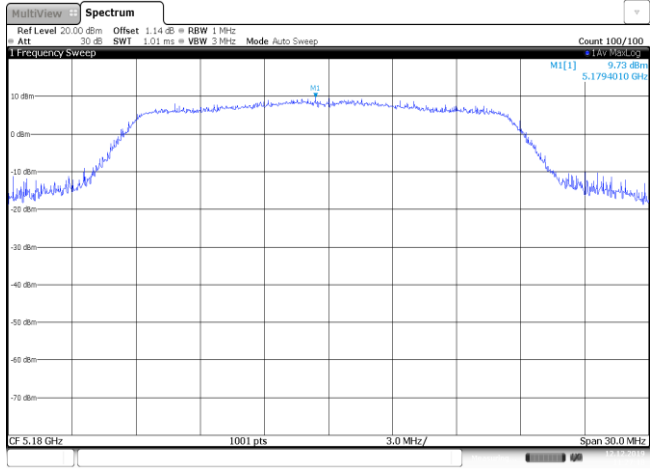
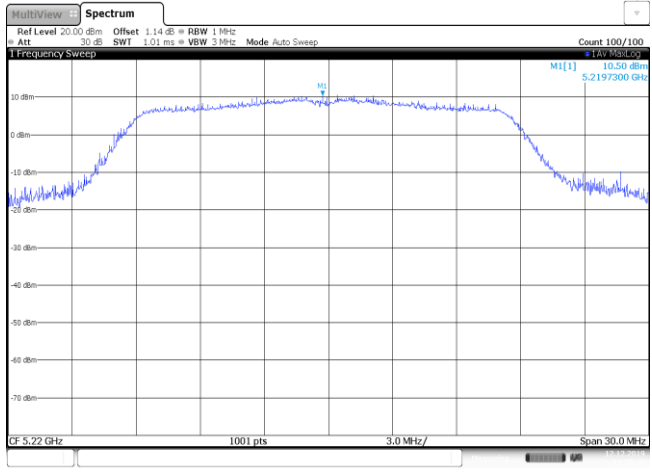
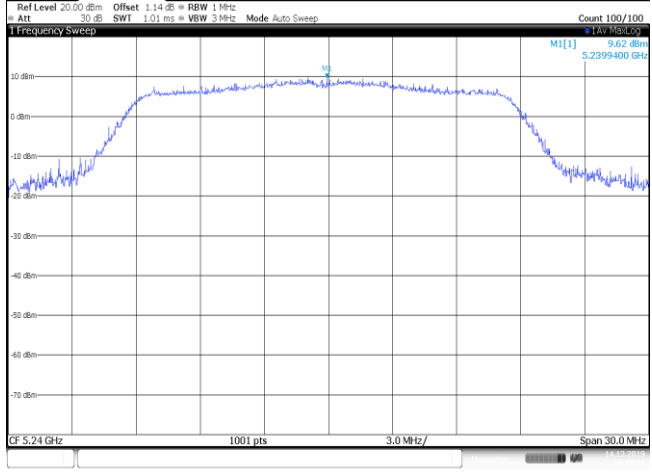
Appendix B: Maximum Power Spectral Density

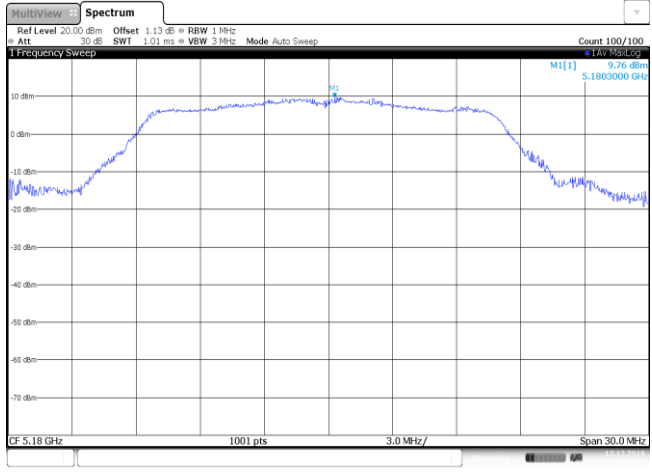
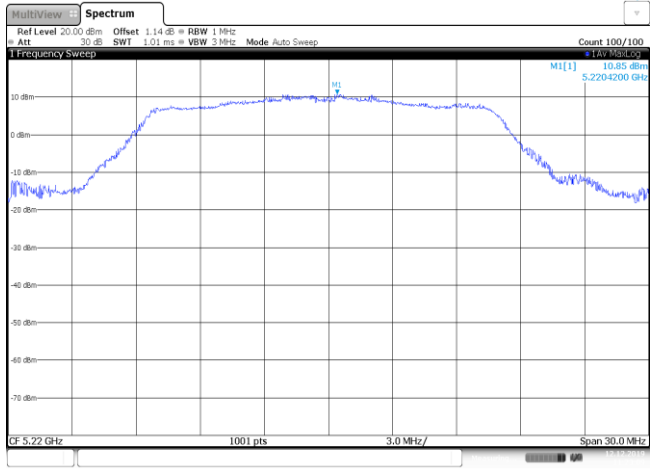
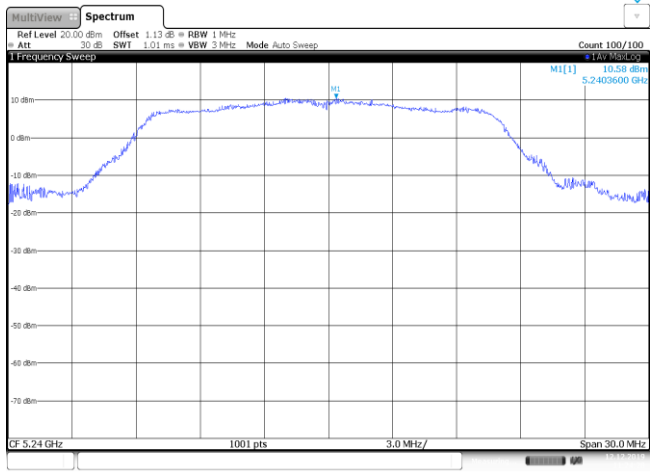
Band	Bandwidth (MHz)	Type	Channel	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
I	20	802.11ac	CH _L	9.31	11.00	Pass
			CH _M	10.56		
			CH _H	10.28		
		802.11n	CH _L	9.73	11.00	Pass
			CH _M	10.50		
			CH _H	9.62		
		802.11a	CH _L	9.76	11.00	Pass
			CH _M	10.85		
			CH _H	10.58		
	40	802.11ac	CH _L	6.83	11.00	Pass
			CH _H	7.60		
	80	802.11ac	CH _M	4.70	11.00	Pass

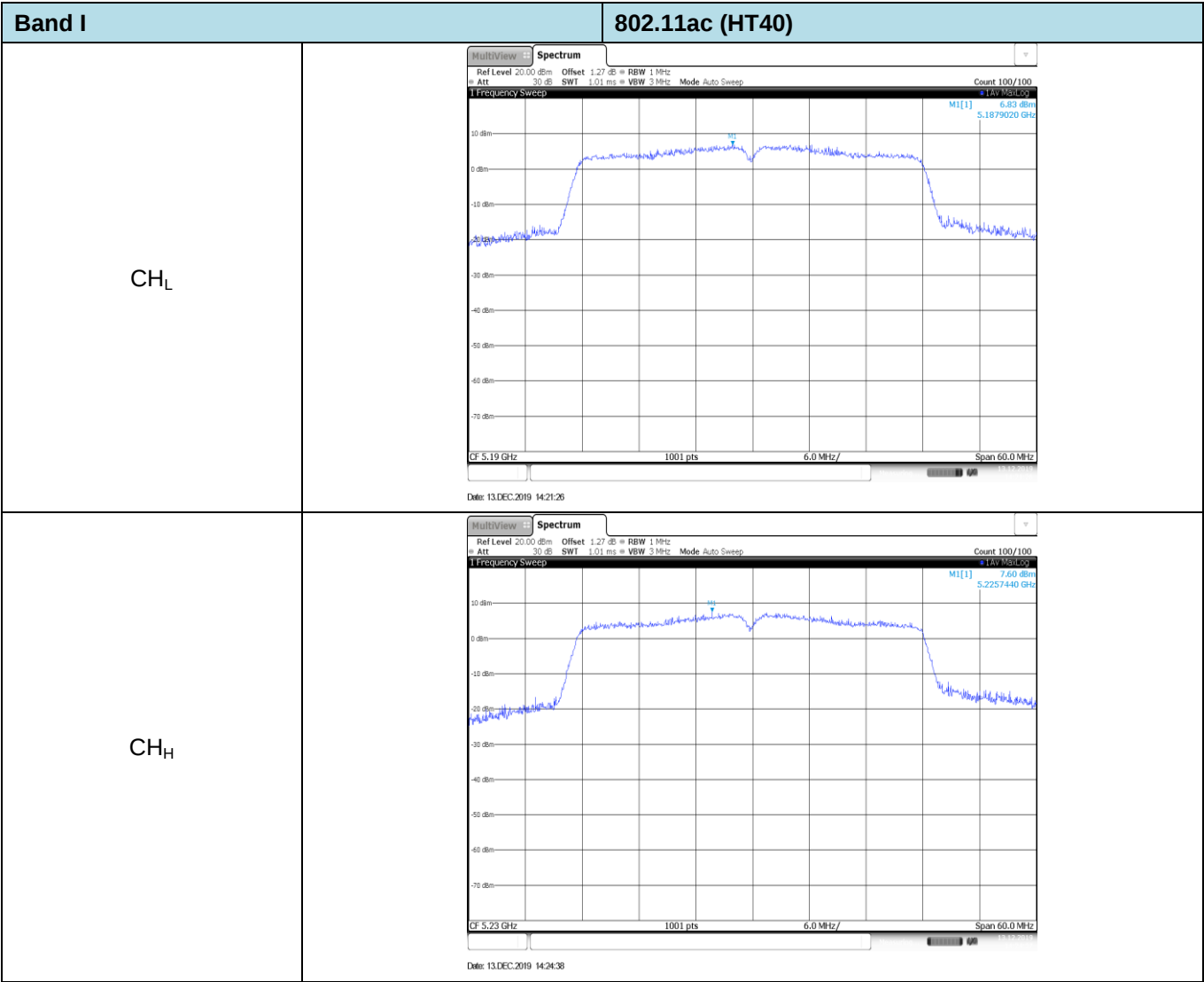
Band	Bandwidth (MHz)	Type	Channel	Power Spectral Density (dBm/500kHz)	Limit (dBm/500KHz)	Result
IV	20	802.11ac	CH _L	-2.47	30.00	Pass
			CH _M	-4.16		
			CH _H	-4.70		
		802.11n	CH _L	-2.14	30.00	Pass
			CH _M	-4.07		
			CH _H	-4.27		
		802.11a	CH _L	-2.00	30.00	Pass
			CH _M	-3.73		
			CH _H	-4.07		
	40	802.11ac	CH _L	-7.63	30.00	Pass
			CH _H	-8.33		
	80	802.11ac	CH _M	-10.24	30.00	Pass

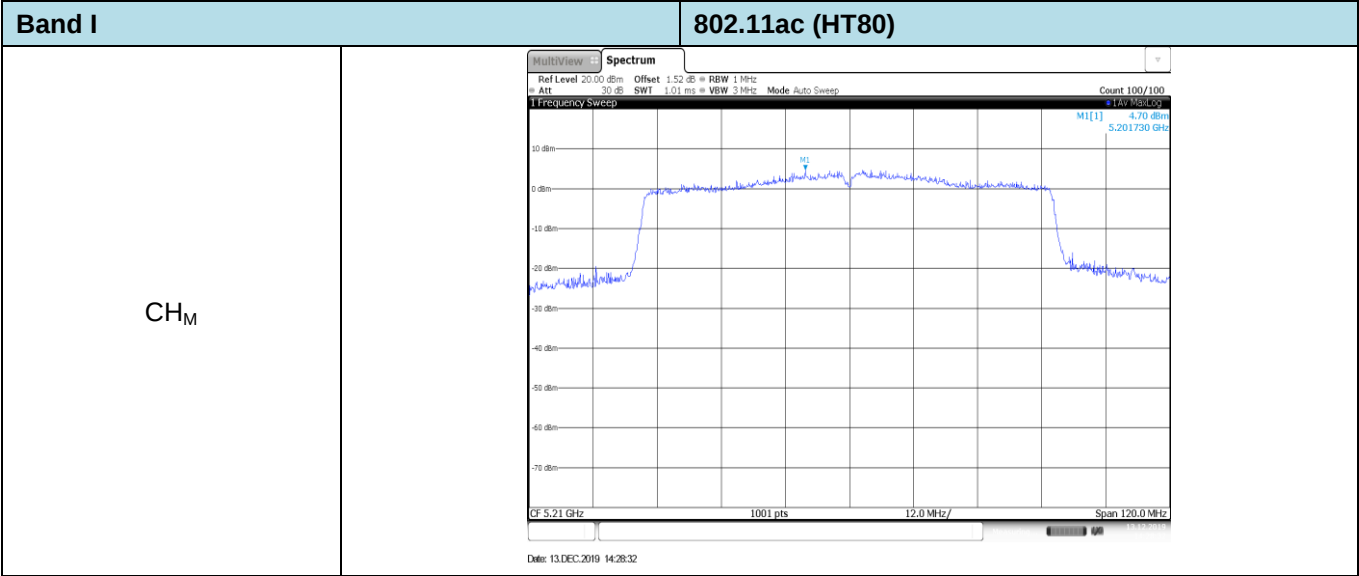
Test plot as follows:

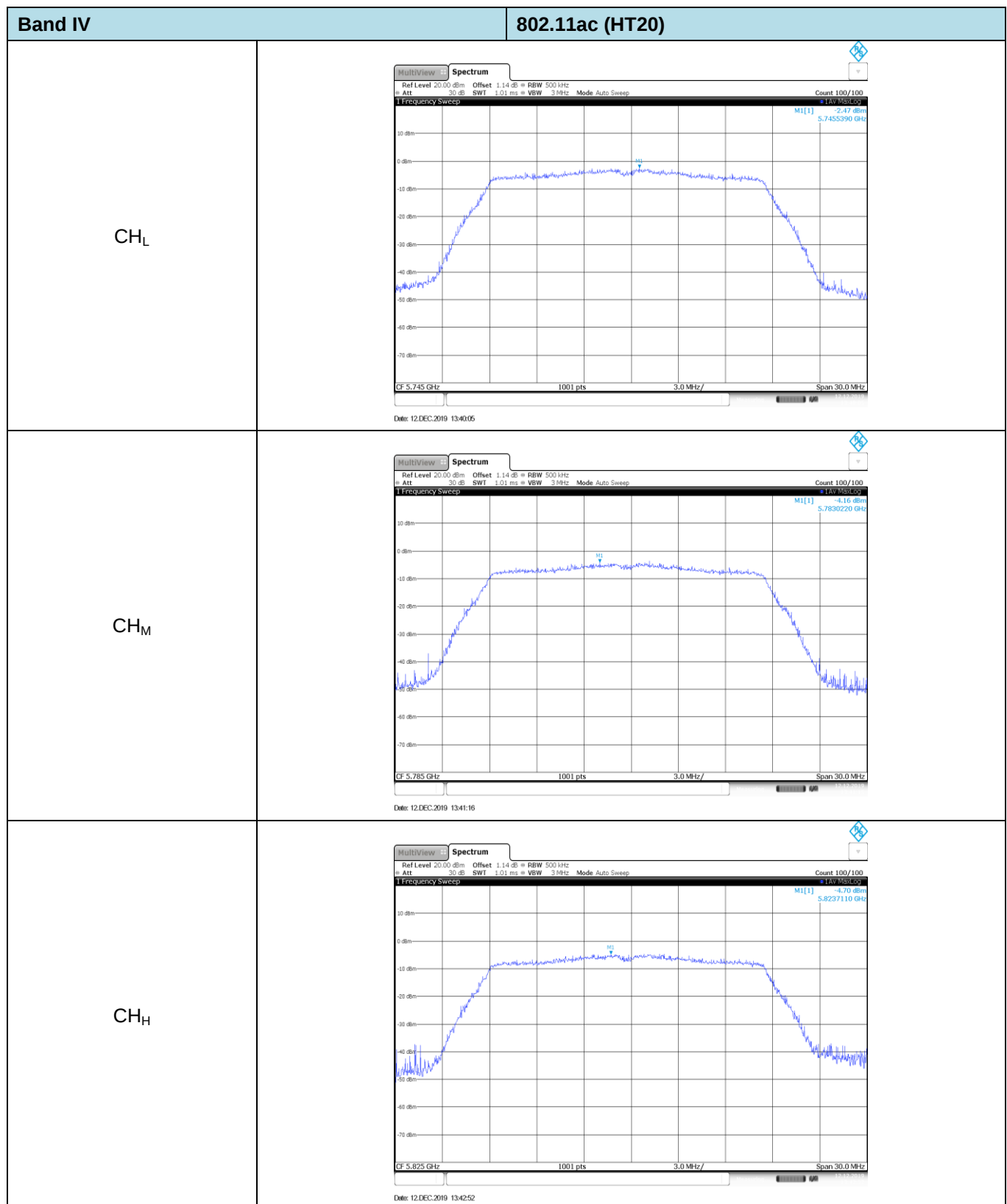


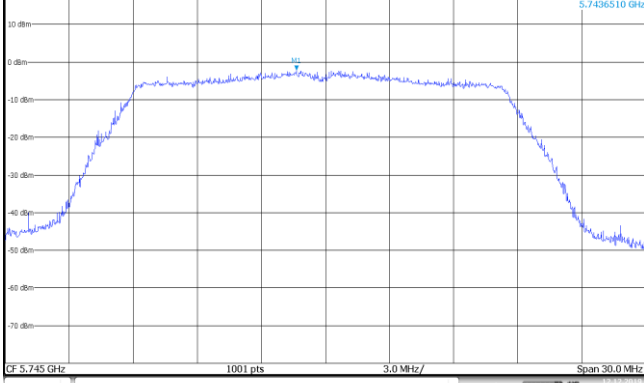
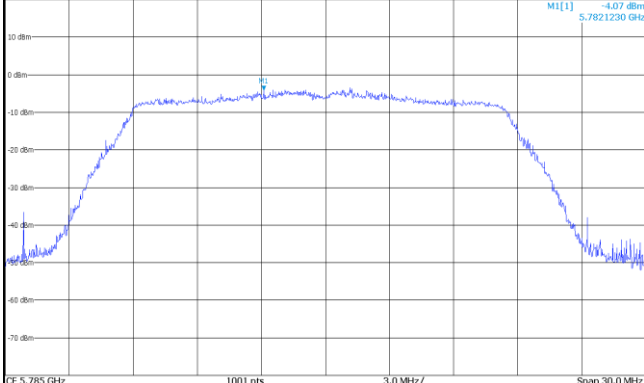
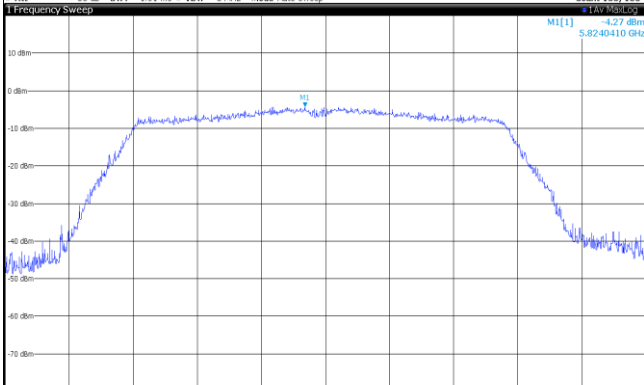
Band I	802.11n (HT20)
CH _L	 1 Frequency Sweep Ref Level 20.00 dBm Offset 1.14 dB RBW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 M1[1] 9.73 dBm 5.1794010 GHz CF 5.18 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12.DEC.2019 11:27:18
CH _M	 1 Frequency Sweep Ref Level 20.00 dBm Offset 1.14 dB RBW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 M1[1] 10.50 dBm 5.2197300 GHz CF 5.22 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12.DEC.2019 11:28:30
CH _H	 1 Frequency Sweep Ref Level 20.00 dBm Offset 1.14 dB RBW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 M1[1] 9.62 dBm 5.2399400 GHz CF 5.24 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 14.DEC.2019 18:47:24

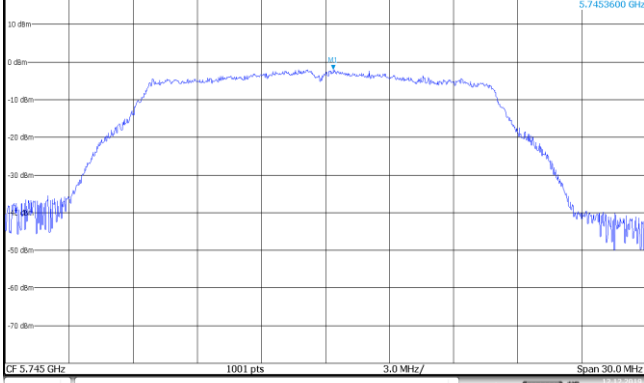
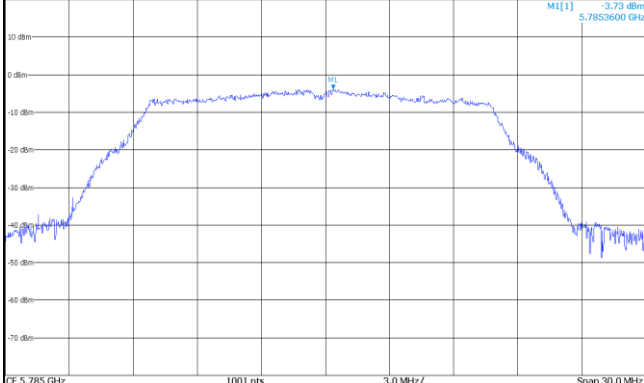
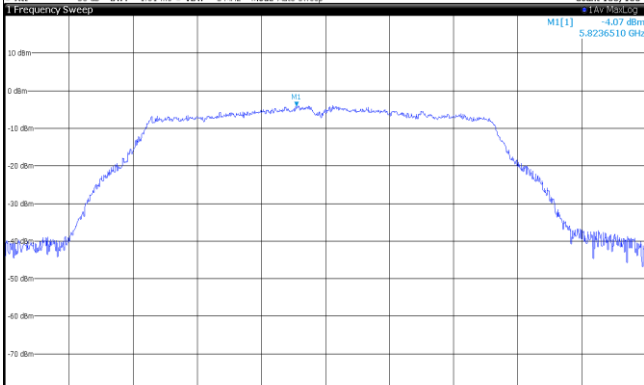
Band I	802.11a
CH _L	 1 Frequency Sweep Ref Level 20.00 dBm Offset 1.13 dB RBW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 M1[1] 9.76 dBm 5.1805000 GHz CF 5.18 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12.DEC.2019 11:21:47
CH _M	 1 Frequency Sweep Ref Level 20.00 dBm Offset 1.14 dB RBW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 M1[1] 10.35 dBm 5.2204200 GHz CF 5.22 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12.DEC.2019 11:23:10
CH _H	 1 Frequency Sweep Ref Level 20.00 dBm Offset 1.13 dB RBW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 M1[1] 10.58 dBm 5.2403600 GHz CF 5.24 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 12.DEC.2019 11:24:28



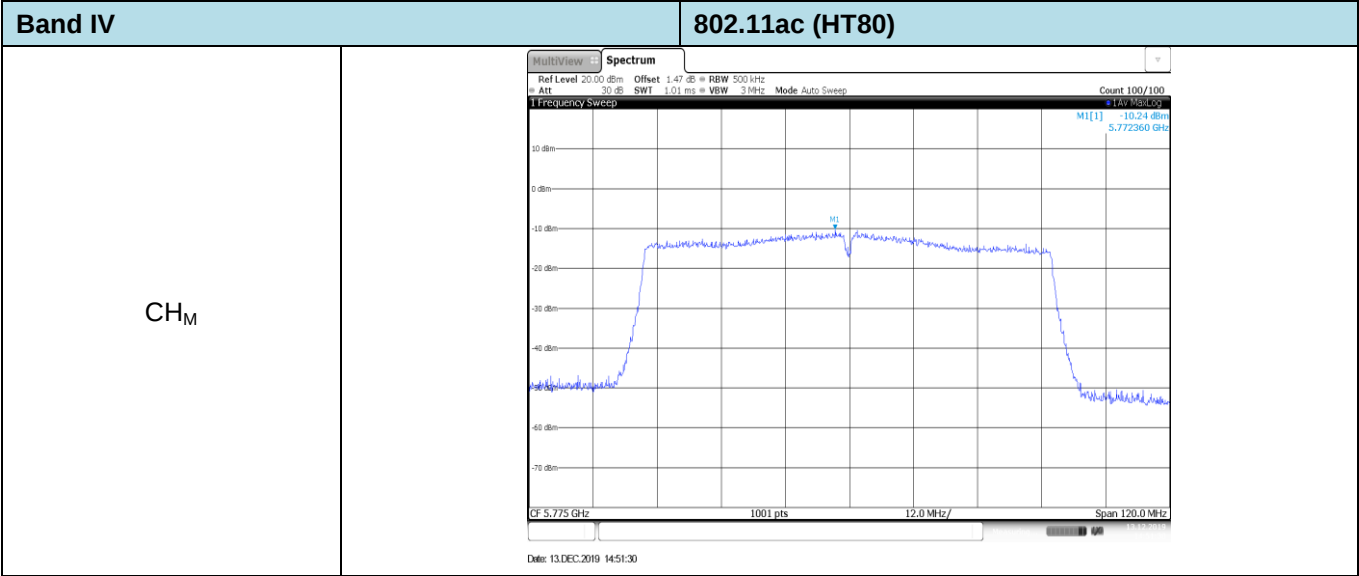




Band IV		802.11n (HT20)	
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.14 dB RBW 500 kHz Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] -2.14 dBm 5.7436510 GHz  CF 5.745 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 12.DEC.2019 13:29:11		
CH _M	MultiView Spectrum Ref Level 20.00 dBm Offset 1.14 dB RBW 500 kHz Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] -4.07 dBm 5.7821230 GHz  CF 5.785 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 12.DEC.2019 13:31:57		
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.14 dB RBW 500 kHz Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] -4.27 dBm 5.8240410 GHz  CF 5.825 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 12.DEC.2019 13:33:00		

Band IV		802.11a
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.13 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] -2.00 dBm 5.7453600 GHz  CF 5.745 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 12.DEC.2019 13:22:56	
CH _M	MultiView Spectrum Ref Level 20.00 dBm Offset 1.13 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] -3.73 dBm 5.7853600 GHz  CF 5.785 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 12.DEC.2019 13:26:47	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.13 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] -4.07 dBm 5.8236510 GHz  CF 5.825 GHz1001 pts3.0 MHz/Span 30.0 MHz Date: 12.DEC.2019 13:27:48	

Band IV		802.11ac (HT40)
CH _L	MultiView Spectrum Ref Level 20.00 dBm Offset 1.27 dB RBW 500 kHz Att 30 dB SWF 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 M1[1] -7.63 dBm 5.7499050 GHz M2 CF 5.755 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 13.DEC.2019 14:45:09	
CH _H	MultiView Spectrum Ref Level 20.00 dBm Offset 1.27 dB RBW 500 kHz Att 30 dB SWF 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 M1[1] -8.33 dBm 5.7912240 GHz M1 CF 5.795 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 13.DEC.2019 14:48:53	

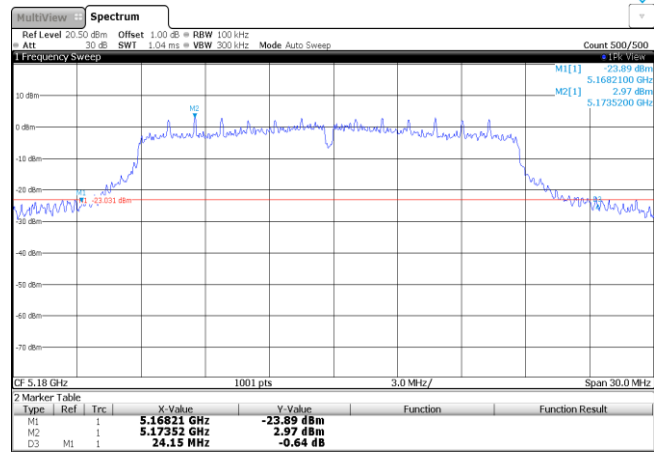


Appendix C: 26dB bandwidth

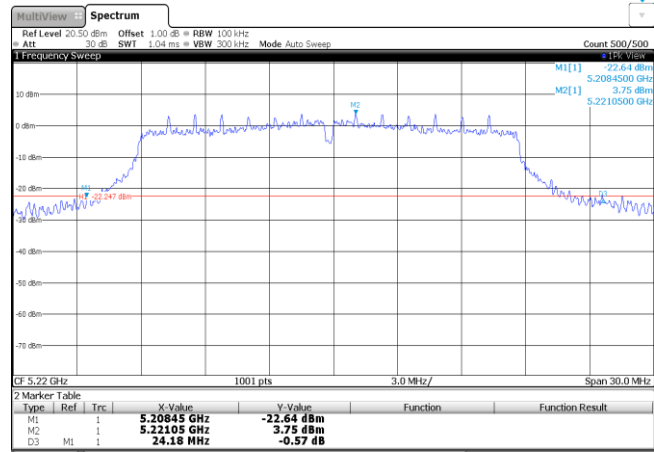
Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
I	20	802.11ac	CH _L	24.15	Pass
			CH _M	24.18	
			CH _H	24.63	
		802.11n	CH _L	26.34	Pass
			CH _M	25.14	
			CH _H	26.07	
		802.11a	CH _L	24.87	Pass
			CH _M	22.50	
			CH _H	23.25	
	40	802.11ac	CH _L	47.76	Pass
			CH _H	47.70	
	80	802.11ac	CH _M	85.92	Pass

Band I

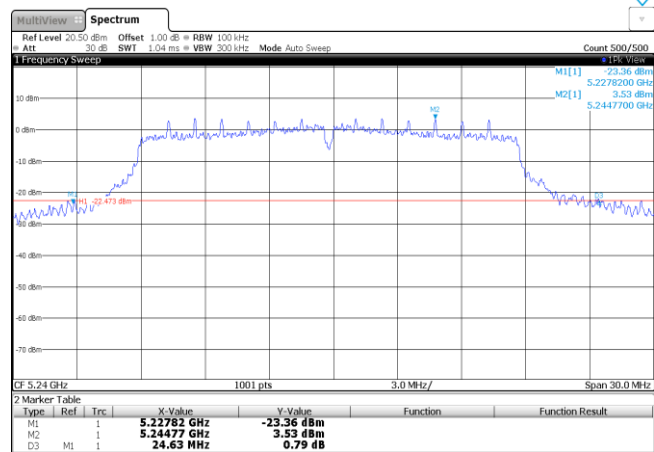
802.11ac (HT20)

CH_L

Date: 12.DEC.2019 11:30:17

CH_M

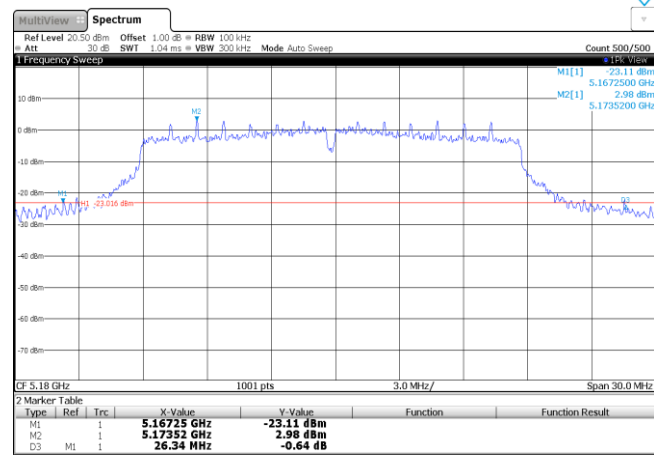
Date: 12.DEC.2019 11:32:20

CH_H

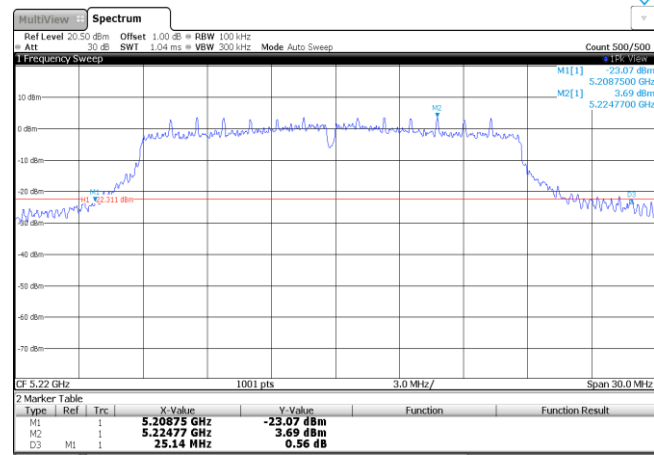
Date: 12.DEC.2019 11:33:34

Band I

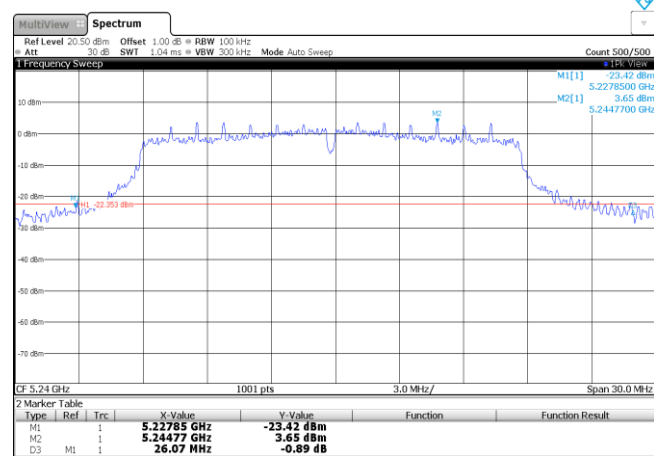
802.11n (HT20)

$$\text{CH}_L$$


Date: 12.DEC.2019 11:26:44

$$\text{CH}_M$$


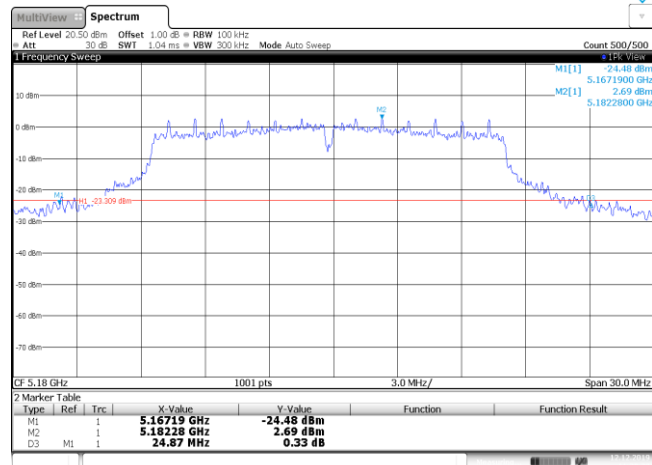
Date: 12.DEC.2019 11:27:57

$$\text{CH}_H$$


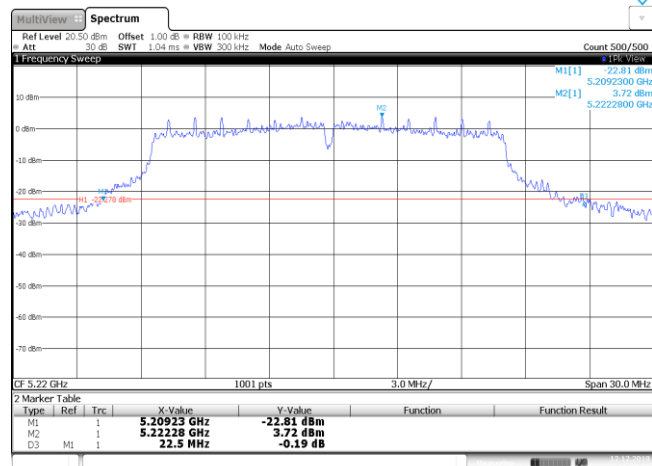
Date: 12.DEC.2019 11:29:10

Band I

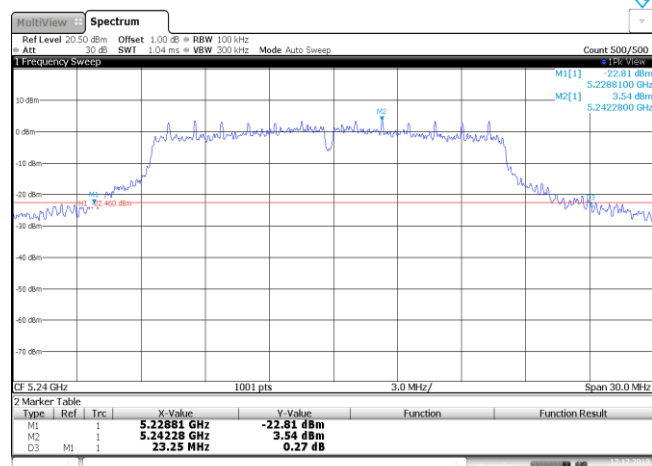
802.11a

CH_L

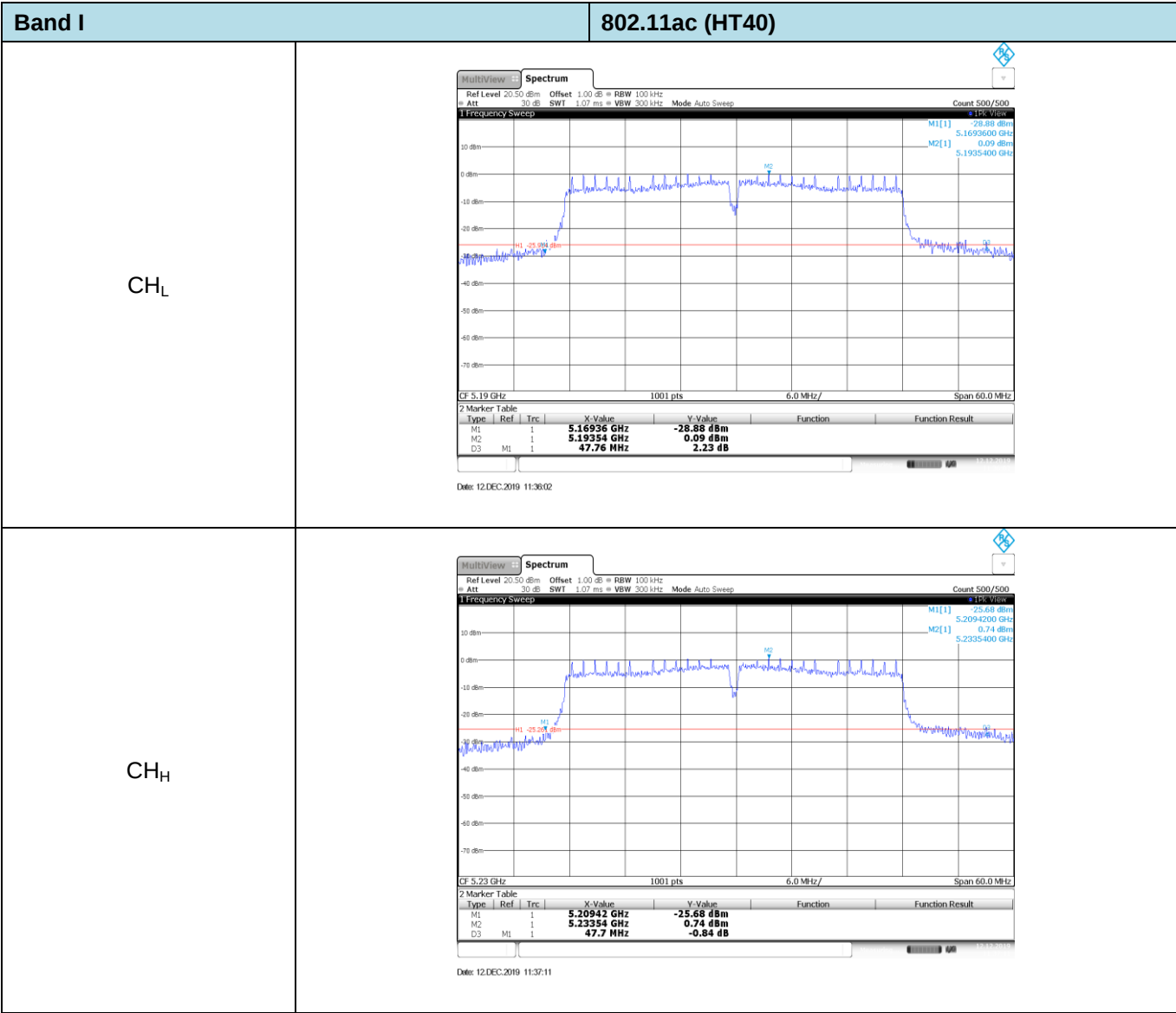
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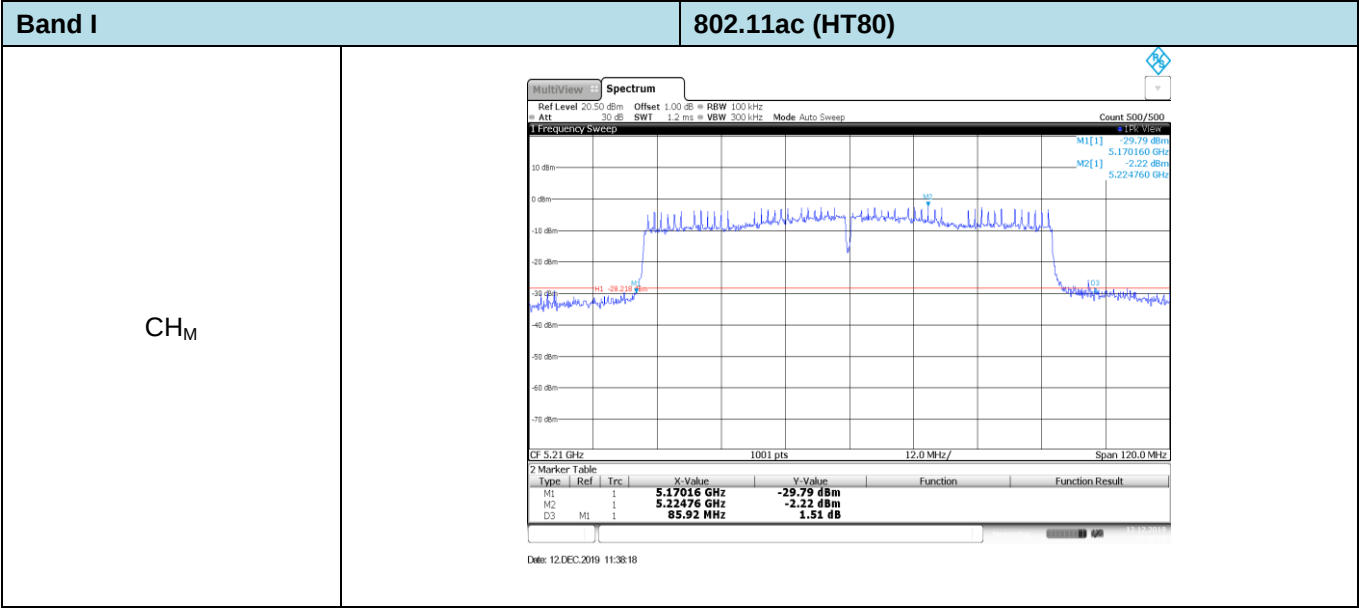
CH_M

Date: 12.DEC.2019 11:22:36

CH_H

Date: 12.DEC.2019 11:23:55





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Appendix D: 99% Occupy bandwidth

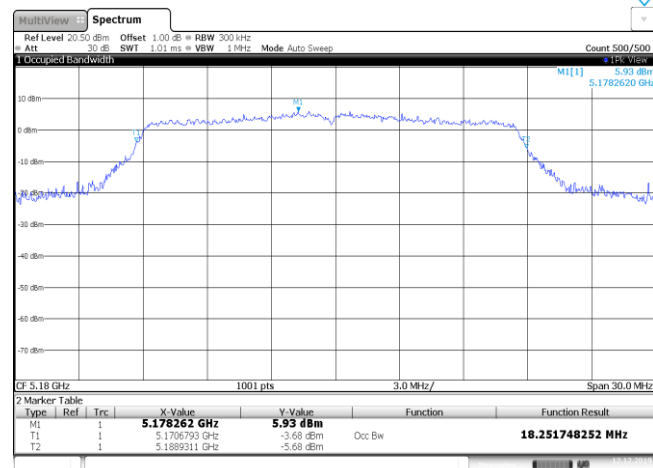
Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
I	20	802.11ac	CH _L	18.28	Pass
			CH _M	18.25	
			CH _H	18.25	
		802.11n	CH _L	18.25	Pass
			CH _M	18.25	
			CH _H	18.34	
		802.11a	CH _L	17.38	Pass
			CH _M	17.29	
			CH _H	17.38	
	40	802.11ac	CH _L	36.62	Pass
			CH _H	36.50	
	80	802.11ac	CH _M	75.76	Pass

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	17.37	Pass
			CH _M	17.58	
			CH _H	17.37	
		802.11n	CH _L	17.61	Pass
			CH _M	17.34	
			CH _H	17.64	
		802.11a	CH _L	16.38	Pass
			CH _M	16.38	
			CH _H	16.38	
	40	802.11ac	CH _L	36.06	Pass
			CH _H	36.42	
	80	802.11ac	CH _M	75.72	Pass

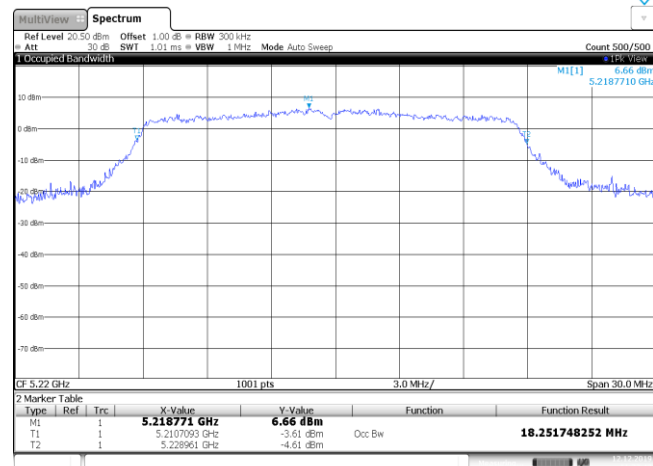
Band I		802.11ac (HT20)																											
CH _L	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 15% View Occupied Bandwidth 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm 5.178741 GHz 5.178741 GHz 5.178741 GHz CF 5.18 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz 2 Marker Table <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>5.178741 GHz</td><td>6.33 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.1706194 GHz</td><td>-3.75 dBm</td><td>Occ Bw</td><td>18.281718282 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.1889011 GHz</td><td>-3.93 dBm</td><td></td><td></td></tr></table> Date: 12.DEC.2019 11:30:08	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.178741 GHz	6.33 dBm			T1	1		5.1706194 GHz	-3.75 dBm	Occ Bw	18.281718282 MHz	T2	1		5.1889011 GHz	-3.93 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.178741 GHz	6.33 dBm																									
T1	1		5.1706194 GHz	-3.75 dBm	Occ Bw	18.281718282 MHz																							
T2	1		5.1889011 GHz	-3.93 dBm																									
CH _M	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 15% View Occupied Bandwidth 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm 5.220659 GHz 5.220659 GHz 5.220659 GHz CF 5.22 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz 2 Marker Table <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>5.220659 GHz</td><td>6.89 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.2106793 GHz</td><td>-3.42 dBm</td><td>Occ Bw</td><td>18.251748252 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.2289311 GHz</td><td>-3.15 dBm</td><td></td><td></td></tr></table> Date: 12.DEC.2019 11:32:20	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.220659 GHz	6.89 dBm			T1	1		5.2106793 GHz	-3.42 dBm	Occ Bw	18.251748252 MHz	T2	1		5.2289311 GHz	-3.15 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.220659 GHz	6.89 dBm																									
T1	1		5.2106793 GHz	-3.42 dBm	Occ Bw	18.251748252 MHz																							
T2	1		5.2289311 GHz	-3.15 dBm																									
CH _H	MultiView Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 500/500 15% View Occupied Bandwidth 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm 5.240689 GHz 5.240689 GHz 5.240689 GHz CF 5.24 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz 2 Marker Table <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>5.240689 GHz</td><td>7.02 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.2306793 GHz</td><td>-2.60 dBm</td><td>Occ Bw</td><td>18.251748252 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.2489311 GHz</td><td>-4.53 dBm</td><td></td><td></td></tr></table> Date: 12.DEC.2019 11:33:25	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.240689 GHz	7.02 dBm			T1	1		5.2306793 GHz	-2.60 dBm	Occ Bw	18.251748252 MHz	T2	1		5.2489311 GHz	-4.53 dBm		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.240689 GHz	7.02 dBm																									
T1	1		5.2306793 GHz	-2.60 dBm	Occ Bw	18.251748252 MHz																							
T2	1		5.2489311 GHz	-4.53 dBm																									

Band I

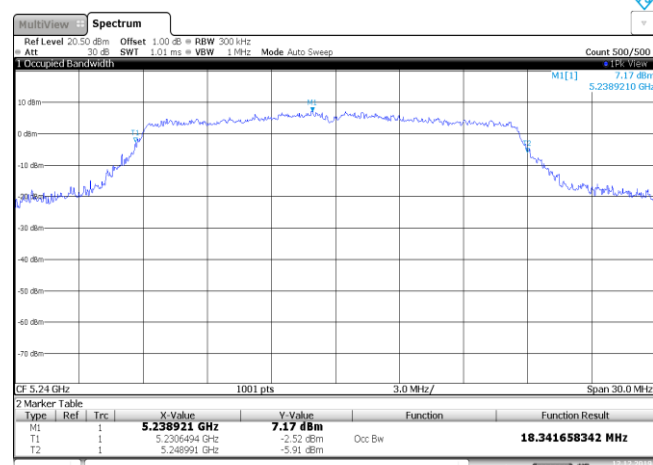
802.11n (HT20)

$$\text{CH}_L$$


Date: 12.DEC.2019 11:26:35

$$\text{CH}_M$$


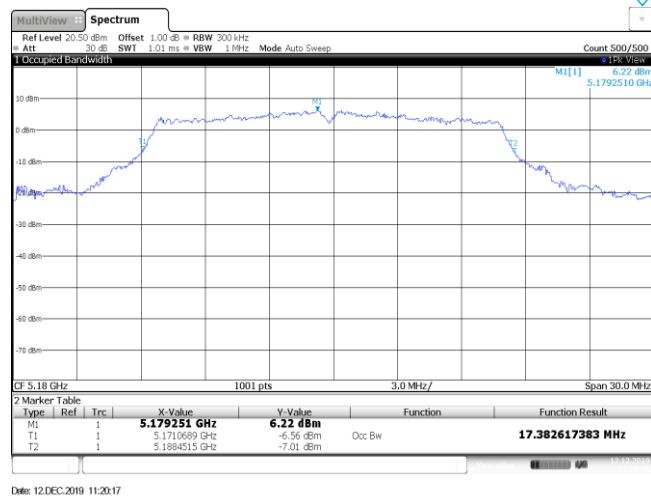
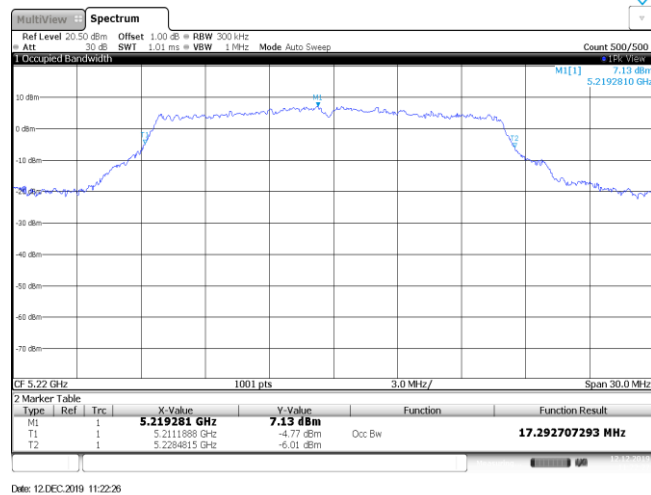
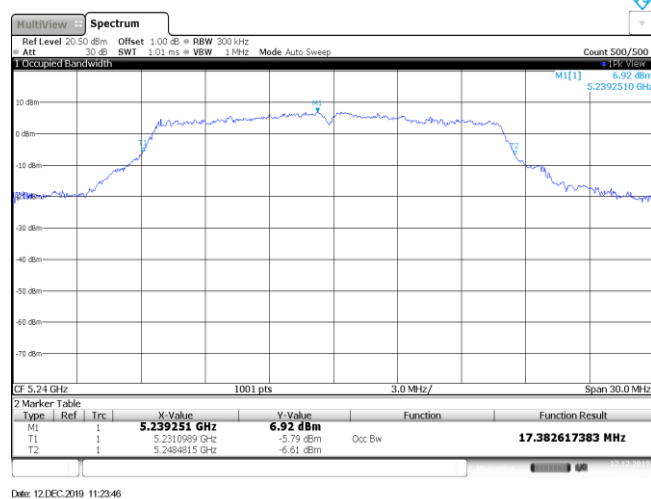
Date: 12.DEC.2019 11:27:47

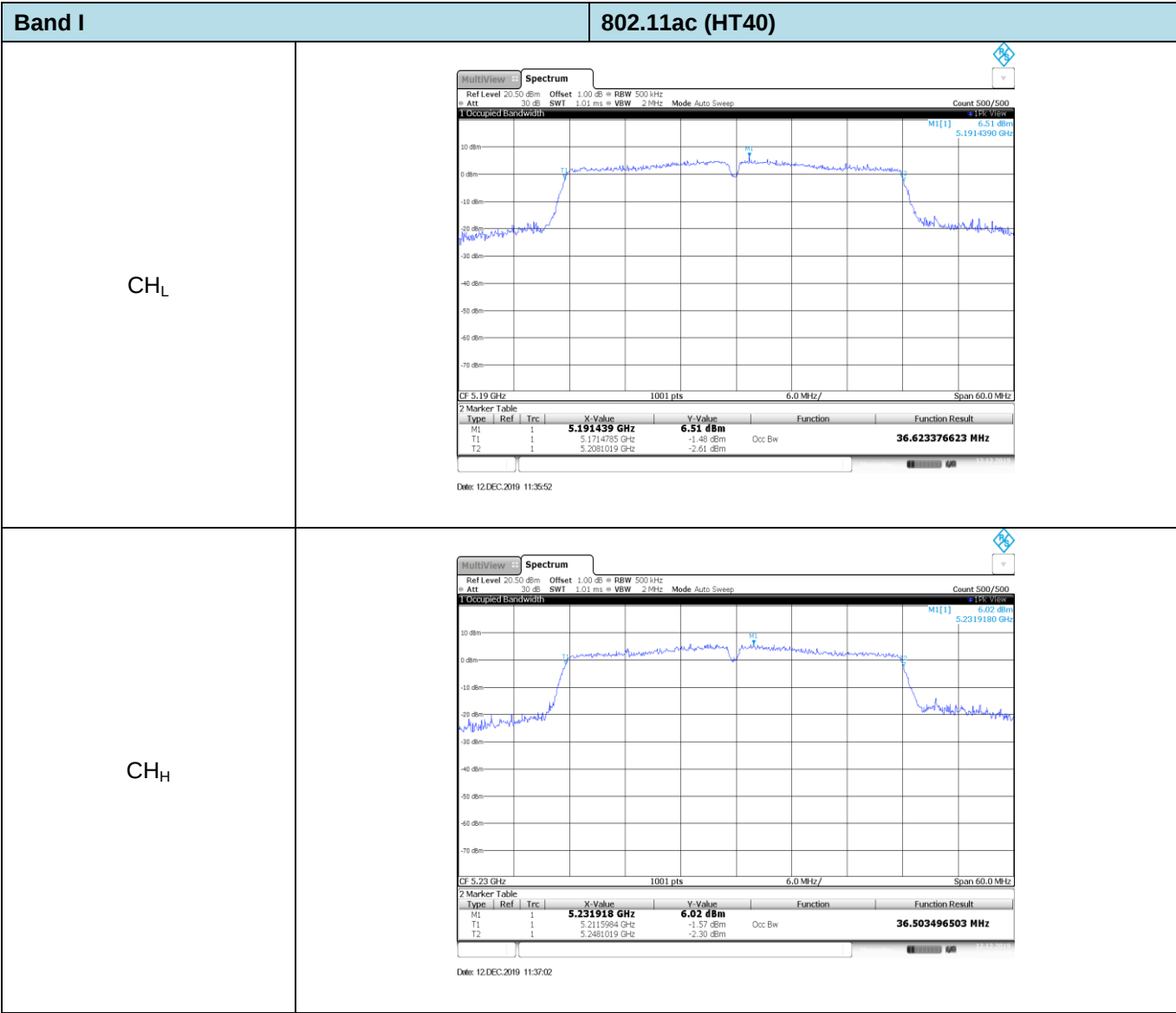
$$\text{CH}_H$$


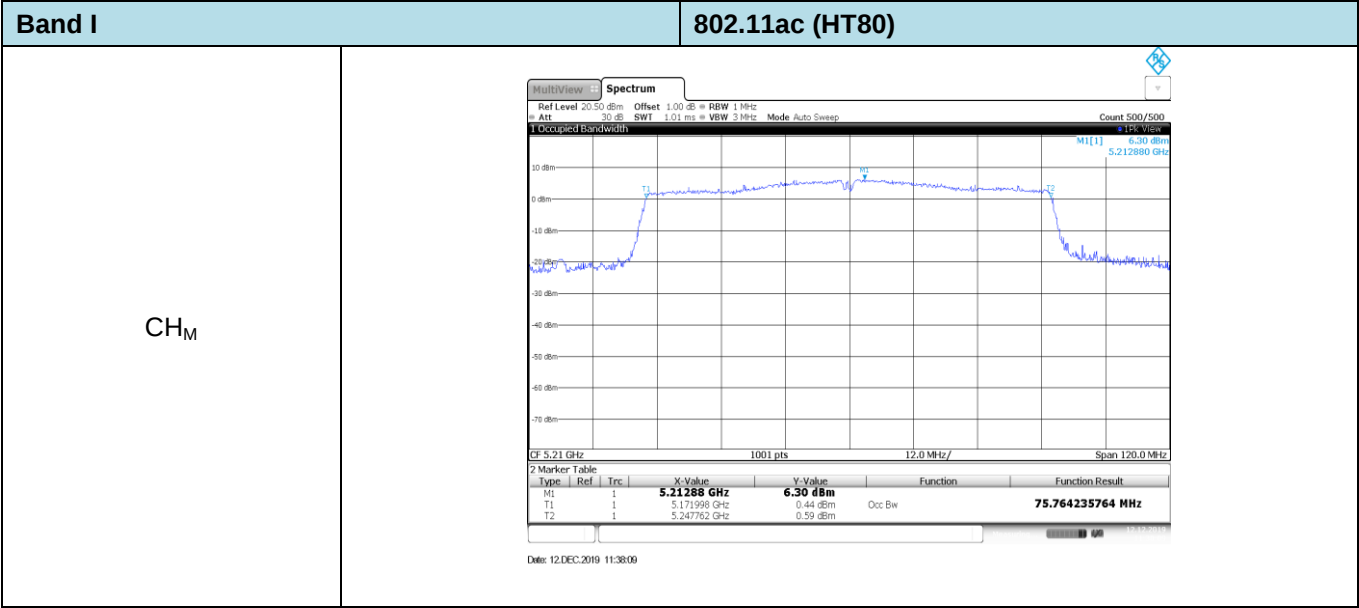
Date: 12 DEC 2019 11:29:01

Band I

802.11a

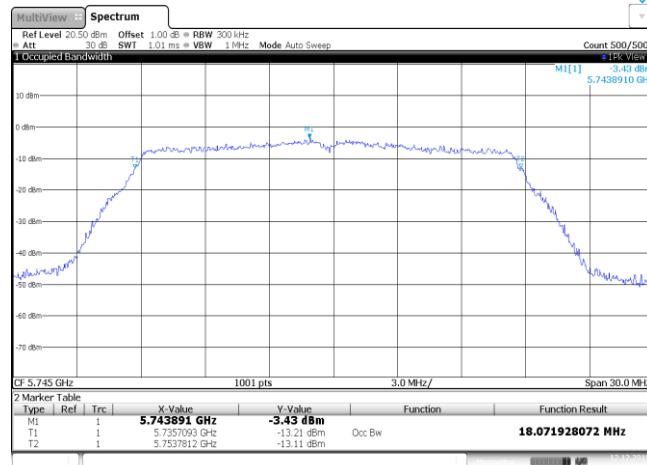
$$\text{CH}_L$$

$$\text{CH}_M$$

$$\text{CH}_H$$




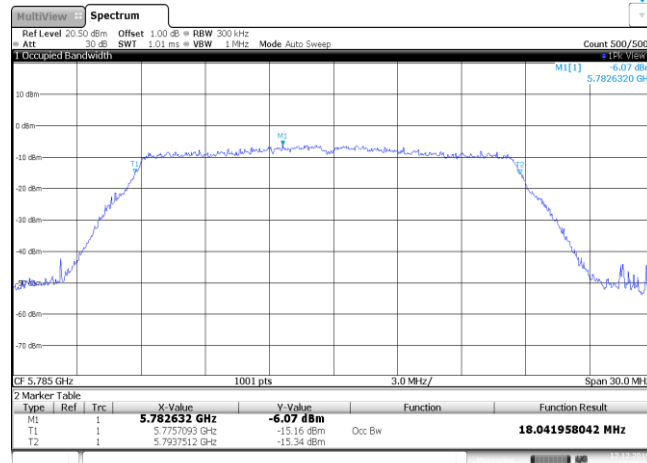


Band IV

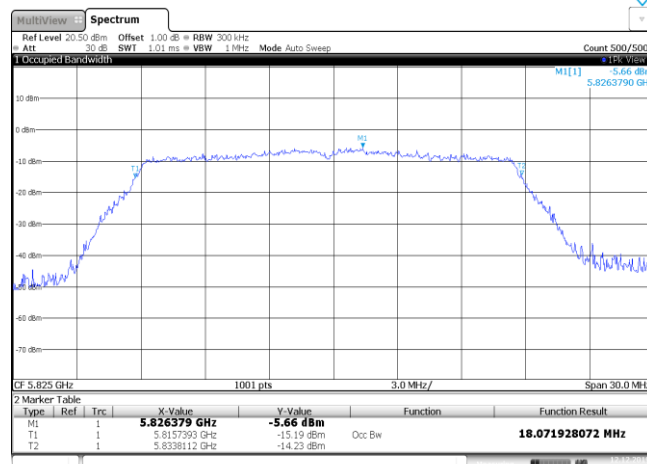
802.11ac (HT20)

CH_L

Date: 12.DEC.2019 13:39:23

CH_M

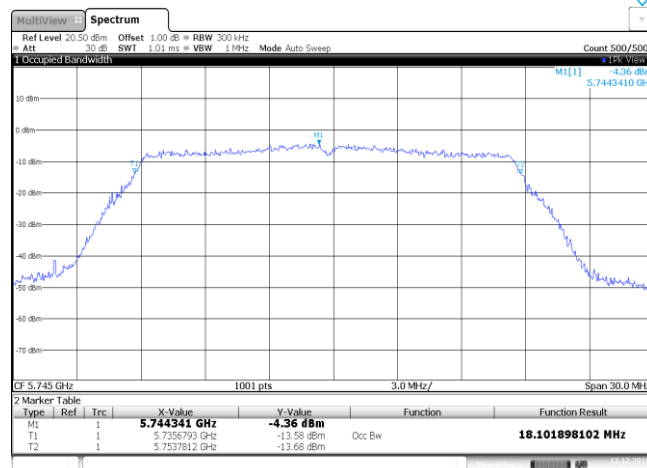
Date: 12.DEC.2019 13:40:33

CH_H

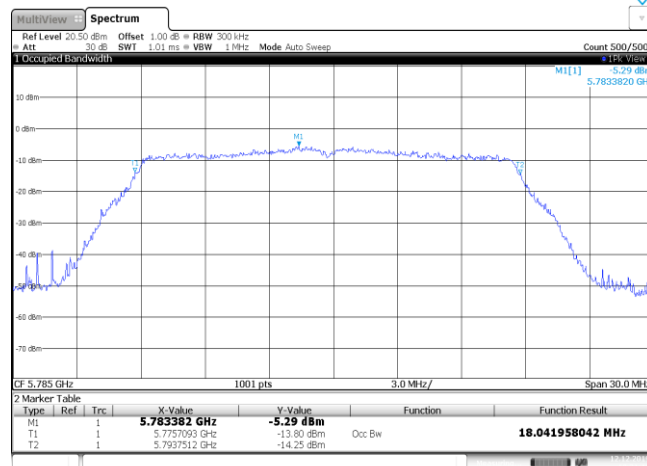
Date: 12.DEC.2019 13:42:07

Band IV

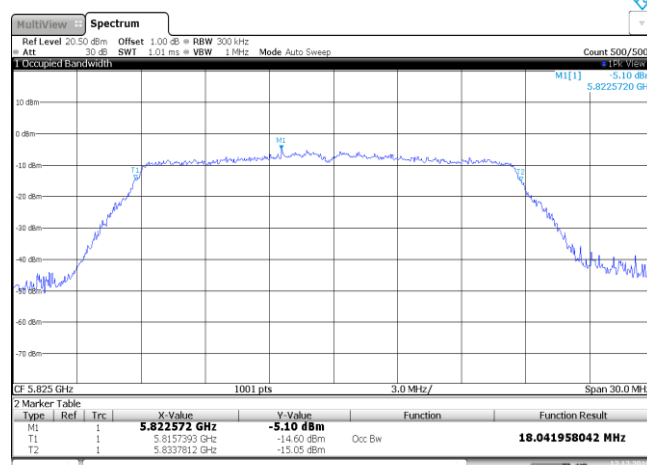
802.11n (HT20)

$$\text{CH}_L$$


Date: 12.DEC.2019 13:28:28

$$\text{CH}_M$$


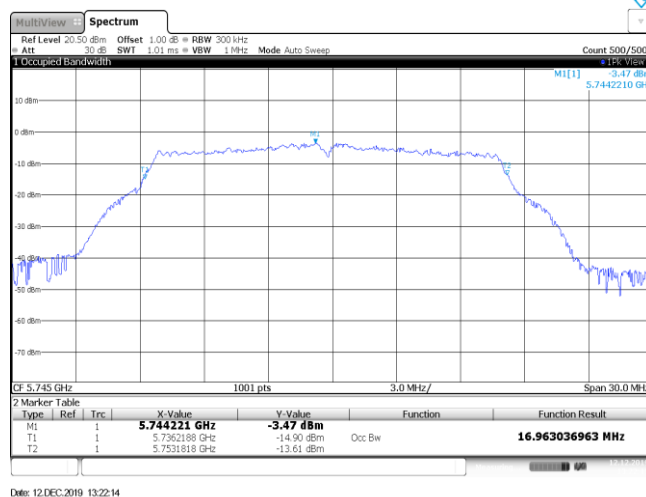
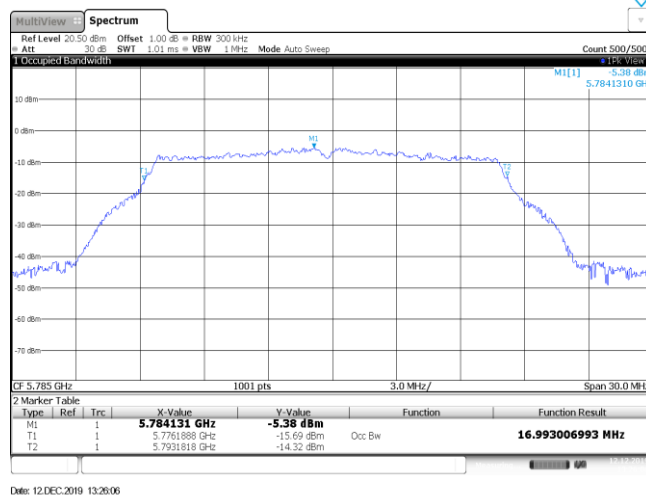
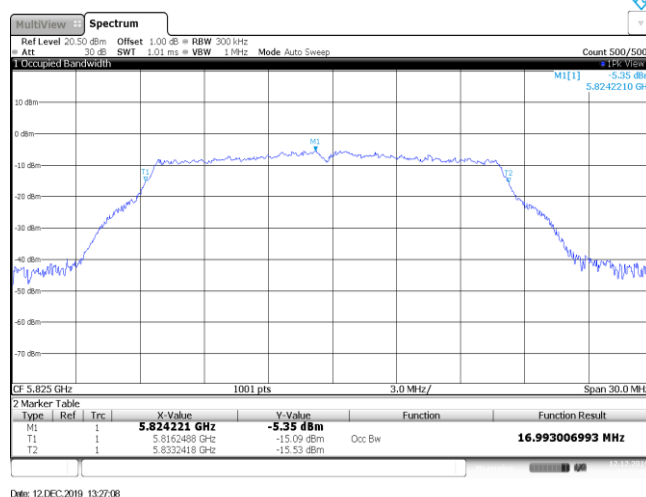
Date: 12.DEC.2019 13:31:13

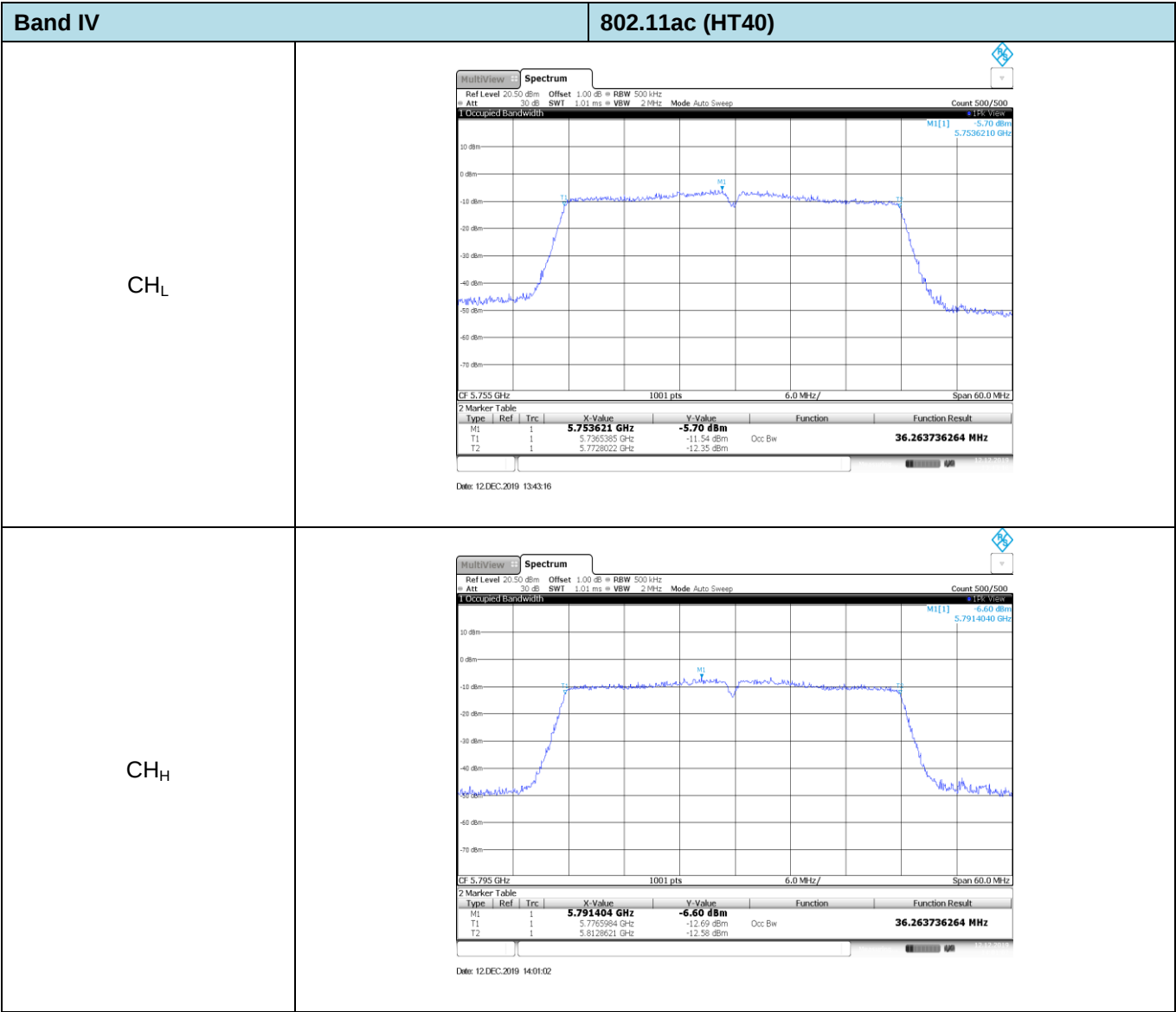
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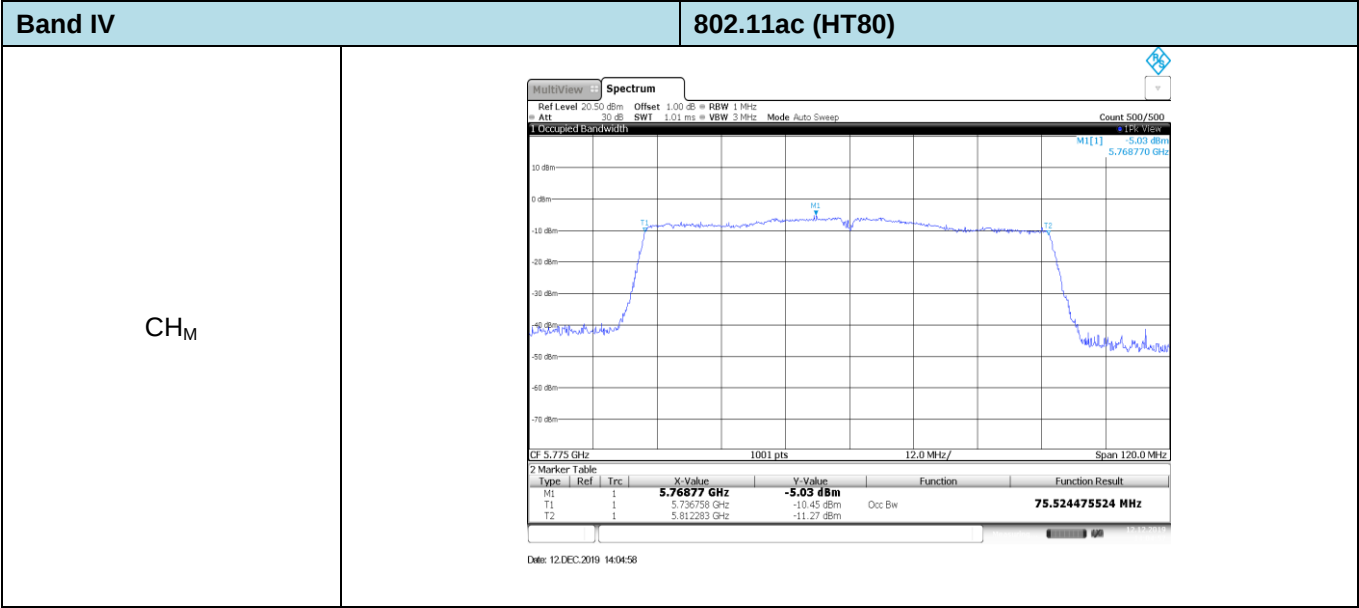
Date: 12.DEC.2019 13:32:17

Band IV

802.11a

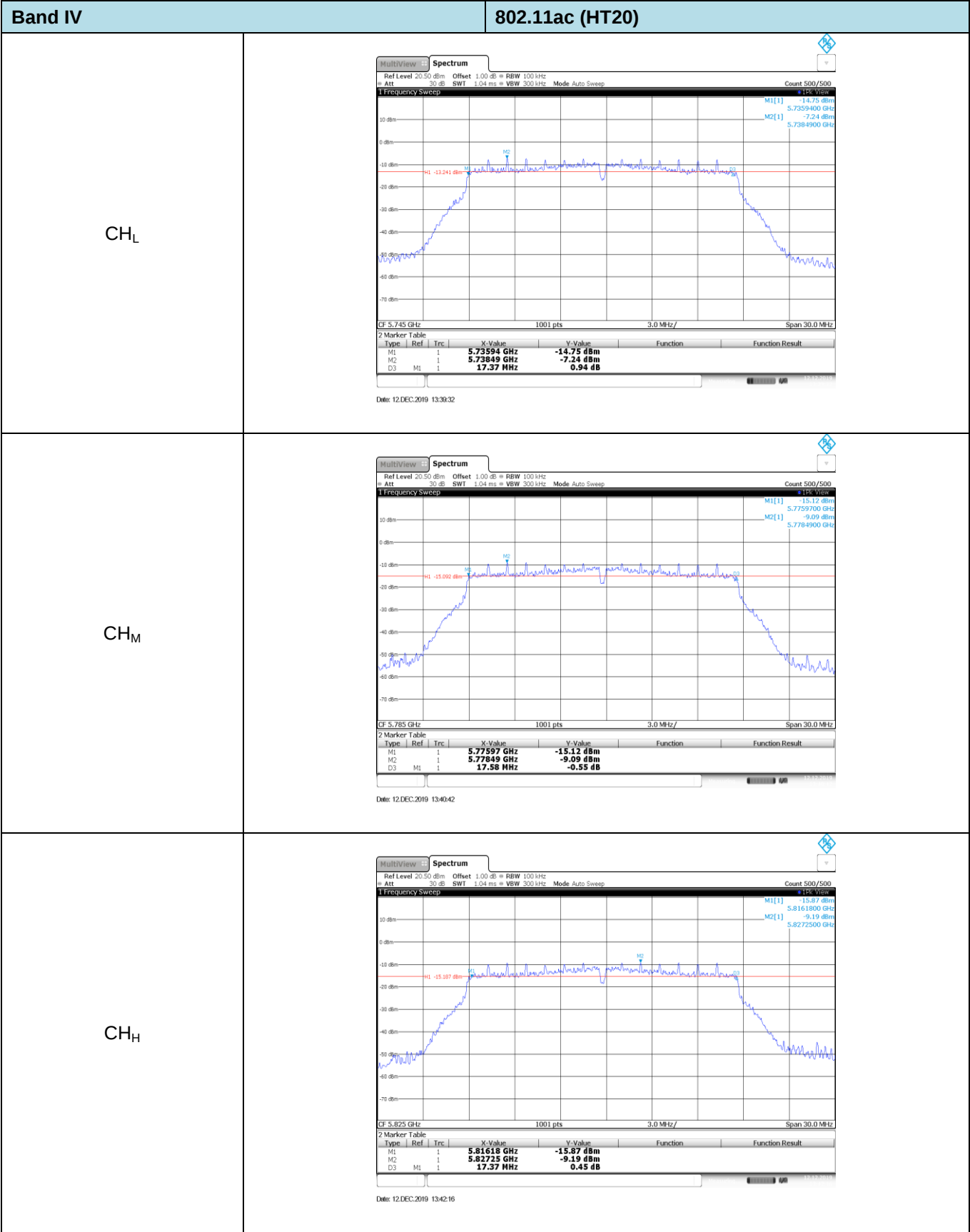
$$\text{CH}_L$$

$$\text{CH}_M$$

$$\text{CH}_H$$






Appendix E: 6dB Bandwidth

Band	Bandwidth (MHz)	Type	Channel	6dB bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	17.37	Pass
			CH _M	17.58	
			CH _H	17.37	
		802.11n	CH _L	17.61	Pass
			CH _M	17.34	
			CH _H	17.64	
		802.11a	CH _L	16.38	Pass
			CH _M	16.38	
			CH _H	16.38	
	40	802.11ac	CH _L	36.06	Pass
			CH _H	36.42	
	80	802.11ac	CH _M	75.72	Pass



Band IV

802.11n (HT20)

CH_L

Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz
Att 30 dB SWT 1.04 ms VIEW 300 kHz Mode Auto Sweep Count 500/500

1 Frequency Sweep

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		5.73594 GHz	-14.62 dBm		
M2	1		5.73975 GHz	-7.28 dBm		
D3	M1	1	17.61 MHz	0.84 dB		

Date: 12.DEC.2019 13:28:37

CH_M

Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz
Att 30 dB SWT 1.04 ms VIEW 300 kHz Mode Auto Sweep Count 500/500

1 Frequency Sweep

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		5.77597 GHz	-14.97 dBm		
M2	1		5.77849 GHz	-8.94 dBm		
D3	M1	1	17.34 MHz	-0.56 dB		

Date: 12.DEC.2019 13:31:23

CH_H

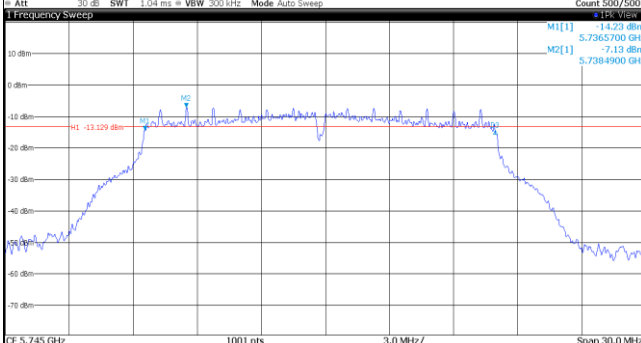
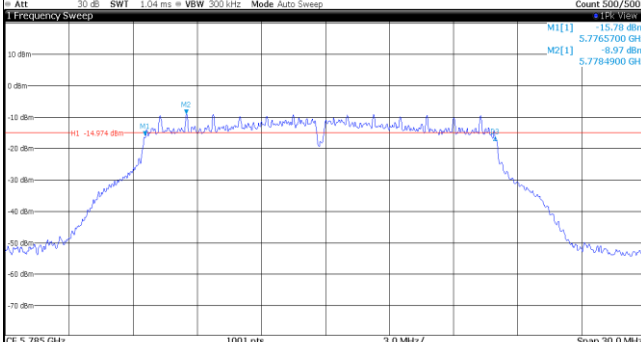
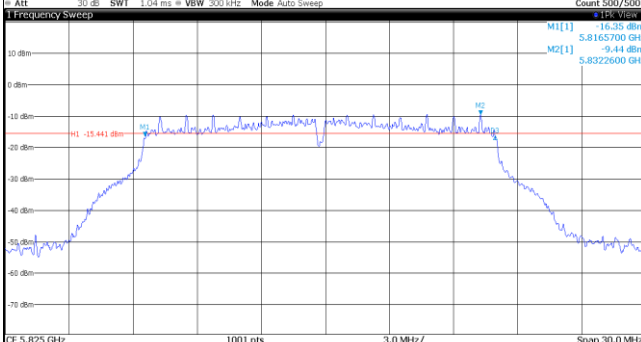
Ref Level 20.50 dBm Offset 1.00 dB BW 100 kHz
Att 30 dB SWT 1.04 ms VIEW 300 kHz Mode Auto Sweep Count 500/500

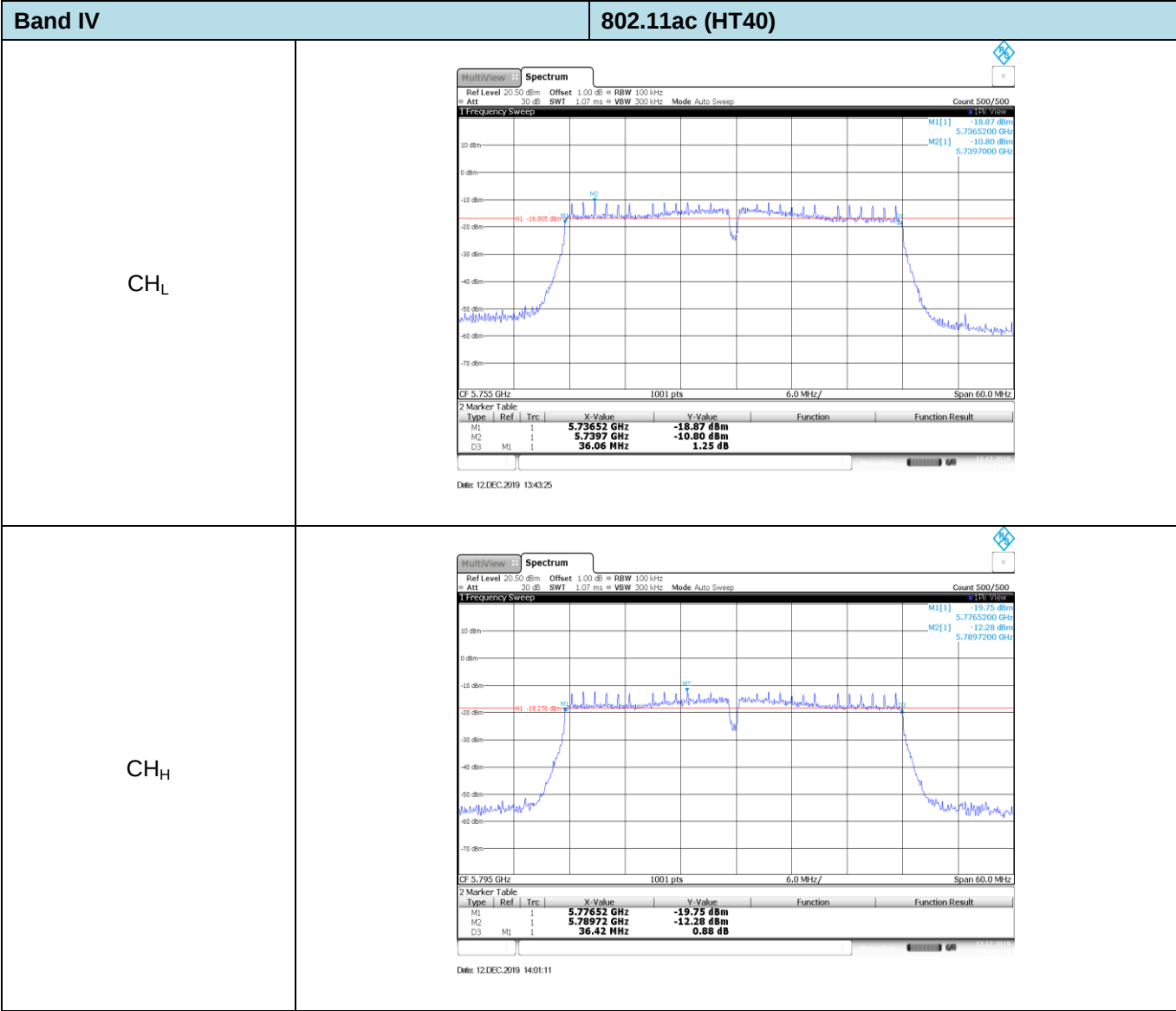
1 Frequency Sweep

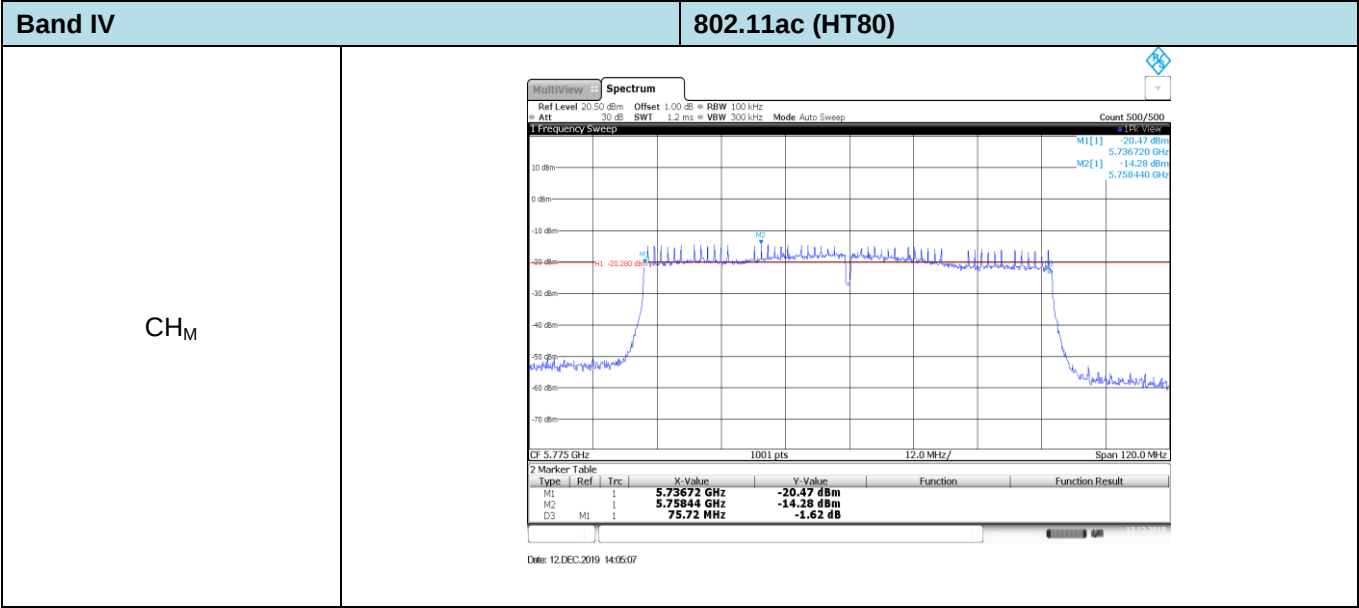
CF 5.825 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		5.81594 GHz	-16.80 dBm		
M2	1		5.82725 GHz	-9.42 dBm		
D3	M1	1	17.64 MHz	-0.28 dB		

Date: 12.DEC.2019 13:32:26

Band IV	802.11a																												
CH _L	MultiViewSpectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep  CF 5.745 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>5.73657 GHz</td><td>-14.23 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.73849 GHz</td><td>-7.13 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>16.38 MHz</td><td>-0.12 dB</td><td></td><td></td></tr></table> Date: 12.DEC.2019 13:22:24	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.73657 GHz	-14.23 dBm			M2	1		5.73849 GHz	-7.13 dBm			D3	M1	1	16.38 MHz	-0.12 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.73657 GHz	-14.23 dBm																									
M2	1		5.73849 GHz	-7.13 dBm																									
D3	M1	1	16.38 MHz	-0.12 dB																									
CH _M	MultiViewSpectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep  CF 5.785 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>5.77657 GHz</td><td>-15.78 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.77849 GHz</td><td>-8.97 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>16.38 MHz</td><td>-0.38 dB</td><td></td><td></td></tr></table> Date: 12.DEC.2019 13:26:16	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.77657 GHz	-15.78 dBm			M2	1		5.77849 GHz	-8.97 dBm			D3	M1	1	16.38 MHz	-0.38 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.77657 GHz	-15.78 dBm																									
M2	1		5.77849 GHz	-8.97 dBm																									
D3	M1	1	16.38 MHz	-0.38 dB																									
CH _H	MultiViewSpectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Att 30 dB SW1 1.04 ms VBW 300 kHz Mode Auto Sweep Count 500/500 1 Frequency Sweep  CF 5.825 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>5.81657 GHz</td><td>-16.35 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.83226 GHz</td><td>-9.44 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>16.38 MHz</td><td>0.13 dB</td><td></td><td></td></tr></table> Date: 12.DEC.2019 13:27:18	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.81657 GHz	-16.35 dBm			M2	1		5.83226 GHz	-9.44 dBm			D3	M1	1	16.38 MHz	0.13 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.81657 GHz	-16.35 dBm																									
M2	1		5.83226 GHz	-9.44 dBm																									
D3	M1	1	16.38 MHz	0.13 dB																									





Appendix F: Frequency stability

Voltage VS Frequency stability

Band: I			Test Frequency: 5180.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
25	V _L	-200800.00	-38.76448	PASS
25	V _N	-199800.00	-38.57143	PASS
25	V _H	-200800.00	-38.76448	PASS

Band: IV			Test Frequency: 5745.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
25	V _L	-221800.00	-38.60748	PASS
25	V _N	-221800.00	-38.60748	PASS
25	V _H	-221800.00	-38.60748	PASS

Temperature VS Frequency stability

Band: I			Test Frequency: 5180.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	-199800.00	-38.57143	PASS
V _N	-10	-199800.00	-38.57143	PASS
V _N	0	-200800.00	-38.76448	PASS
V _N	10	-199800.00	-38.57143	PASS
V _N	20	-199800.00	-38.57143	PASS
V _N	30	-199800.00	-38.57143	PASS
V _N	40	-199800.00	-38.57143	PASS
V _N	50	-200800.00	-38.76448	PASS

Band: IV			Test Frequency: 5745.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	-221800.00	-38.60748	PASS
V _N	-10	-221800.00	-38.60748	PASS
V _N	0	-221800.00	-38.60748	PASS
V _N	10	-221800.00	-38.60748	PASS
V _N	20	-221800.00	-38.60748	PASS
V _N	30	-221800.00	-38.60748	PASS
V _N	40	-221800.00	-38.60748	PASS
V _N	50	-221800.00	-38.60748	PASS

-----End of Report-----