

APPENDIX REPORT

Project No.	SHT2006103901EW	Radio Specification	WIFI 5G
Test sample No.	YPHT20051039002	Model No.	CT9E78Q22N
Start test date	2020/7/8	Finish date	2020/7/8
Temperature	25°C	Humidity	50%
Test Engineer	Jiong Feng	Auditor	<i>William.wang</i>

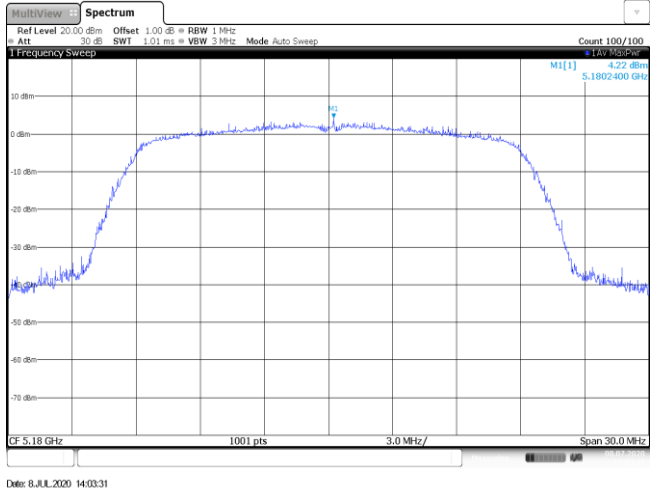
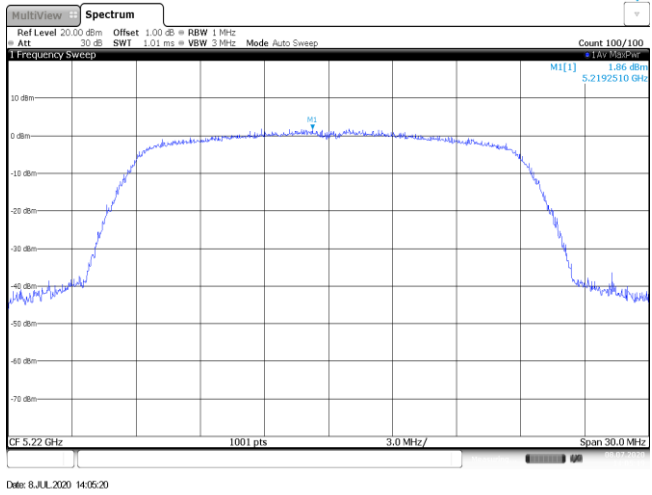
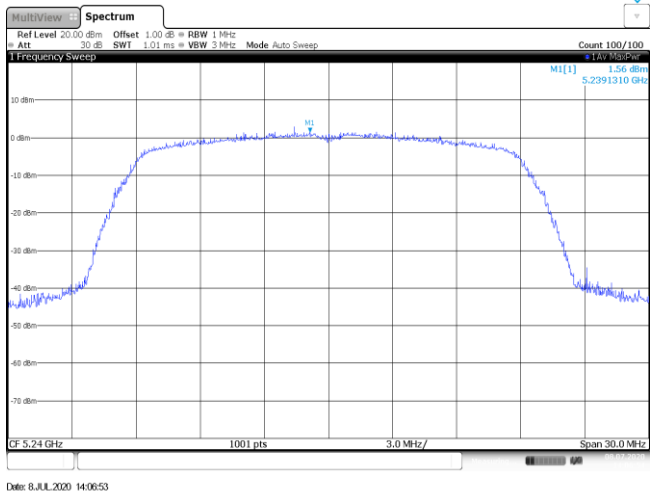
Appendix clause	Test item	Result
A	Maximum Conducted Output Power	PASS
B	Maximum Power Spectral Density	PASS
C	26 dB Bandwidth	PASS
D	99% Occupy bandwidth	PASS
E	6 dB Bandwidth	PASS
F	Band Edge	PASS
G	Frequency stability	PASS

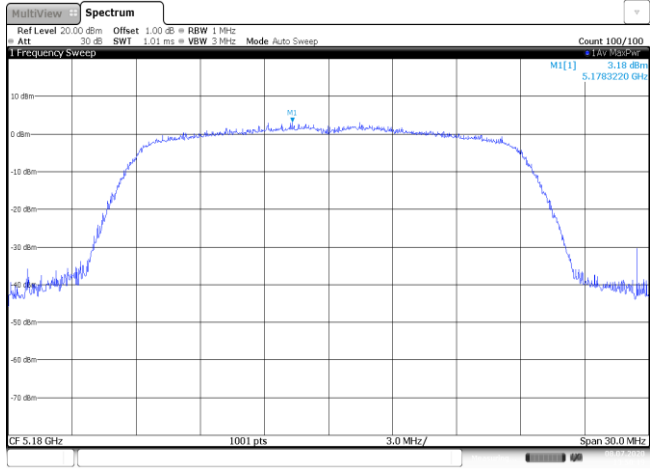
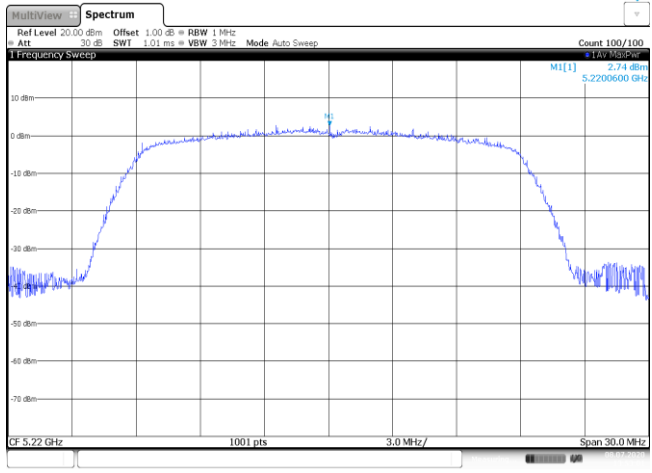
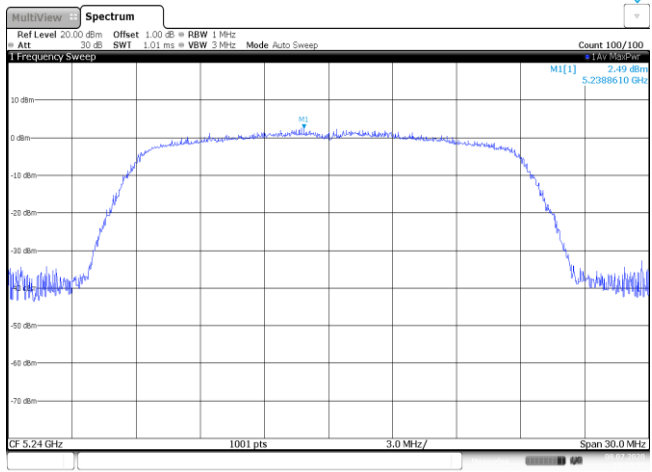
Appendix A: Maximum Conducted Output Power

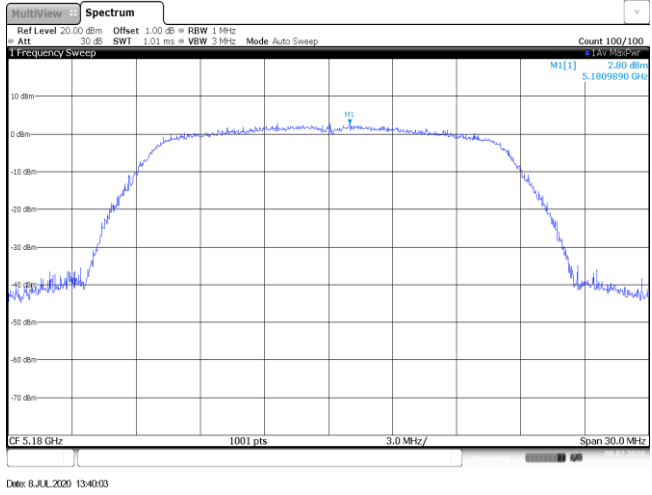
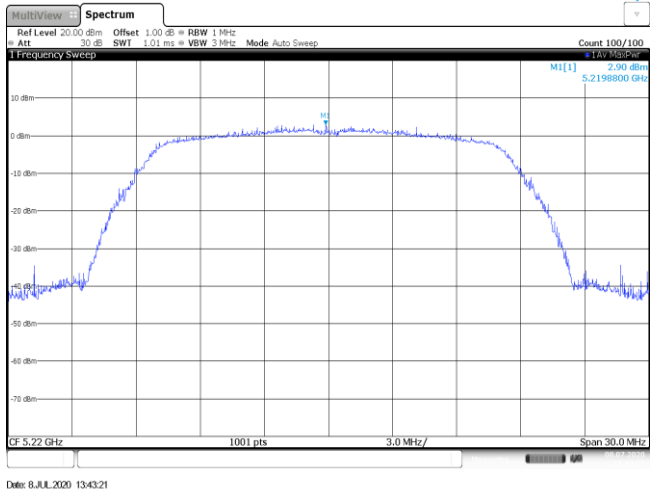
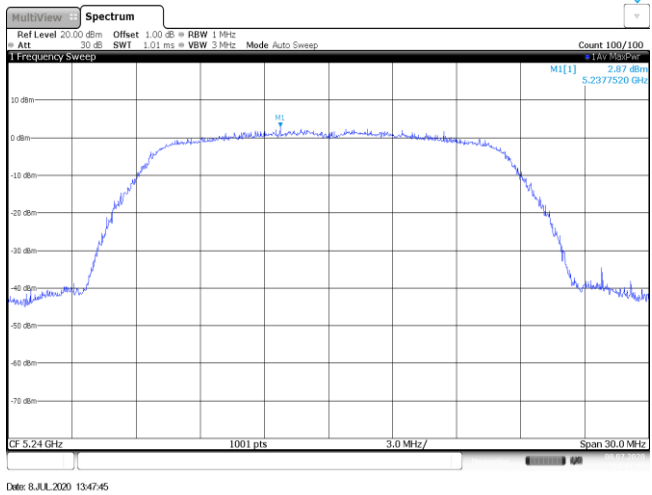
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Conducted Output Power (dBm)	Limit (dBm)	Result
I	20	802.11ac	CH _L	12.57	96.48	0.16	12.73	24.00	Pass
			CH _M	12.05	96.58	0.15	12.20		
			CH _H	12.23	96.58	0.15	12.38		
		802.11n	CH _L	12.07	96.55	0.15	12.22	24.00	Pass
			CH _M	12.05	96.55	0.15	12.20		
			CH _H	12.17	96.55	0.15	12.32		
	802.11a	CH _L	12.22	96.77	0.14	12.36	24.00	Pass	
		CH _M	12.27	96.77	0.14	12.41			
		CH _H	12.38	96.77	0.14	12.52			
	40	802.11ac	CH _L	12.65	93.48	0.29	12.94	24.00	Pass
			CH _H	12.28	93.48	0.29	12.57		
		802.11n	CH _L	12.45	93.53	0.29	12.74	24.00	Pass
CH _H			12.37	93.53	0.29	12.66			
80	802.11ac	CH _M	12.08	87.69	0.57	12.65	24.00	Pass	
IV	20	802.11ac	CH _L	12.14	96.58	0.15	12.29	30.00	Pass
			CH _M	12.42	96.58	0.15	12.57		
			CH _H	12.64	96.48	0.16	12.80		
		802.11n	CH _L	12.23	96.46	0.16	12.39	30.00	Pass
			CH _M	12.61	96.55	0.15	12.76		
			CH _H	12.66	96.55	0.15	12.81		
	802.11a	CH _L	12.46	96.77	0.14	12.60	30.00	Pass	
		CH _M	12.17	96.77	0.14	12.31			
		CH _H	12.77	96.77	0.14	12.91			
	40	802.11ac	CH _L	12.55	93.48	0.29	12.84	30.00	Pass
			CH _H	12.34	93.48	0.29	12.63		
		802.11n	CH _L	12.53	93.45	0.29	12.82	30.00	Pass
CH _H			12.24	93.45	0.29	12.53			
80	802.11ac	CH _M	12.48	87.69	0.57	13.05	30.00	Pass	

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	4.22	96.48	0.16	4.38	11.00	Pass
			CH _M	1.86	96.58	0.15	2.01		
			CH _H	1.56	96.58	0.15	1.71		
		802.11n	CH _L	3.18	96.55	0.15	3.33	11.00	Pass
			CH _M	2.74	96.55	0.15	2.89		
			CH _H	2.49	96.55	0.15	2.64		
		802.11a	CH _L	2.80	96.77	0.14	2.94	11.00	Pass
			CH _M	2.90	96.77	0.14	3.04		
			CH _H	2.87	96.77	0.14	3.01		
	40	802.11ac	CH _L	0.36	93.48	0.29	0.65	11.00	Pass
			CH _H	-0.10	93.48	0.29	0.19		
		802.11n	CH _L	0.14	93.53	0.29	0.43	11.00	Pass
			CH _H	-0.19	93.53	0.29	0.10		
	80	802.11ac	CH _M	-2.92	87.69	0.57	-2.35	11.00	Pass
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/500KHz)	Limit (dBm/500KHz)	Result
IV	20	802.11ac	CH _L	1.03	96.58	0.15	1.18	30.00	Pass
			CH _M	0.82	96.58	0.15	0.97		
			CH _H	1.43	96.48	0.16	1.59		
		802.11n	CH _L	0.75	96.46	0.16	0.91	30.00	Pass
			CH _M	1.03	96.55	0.15	1.18		
			CH _H	1.14	96.55	0.15	1.29		
		802.11a	CH _L	1.23	96.77	0.14	1.37	30.00	Pass
			CH _M	0.50	96.77	0.14	0.64		
			CH _H	2.08	96.77	0.14	2.22		
	40	802.11ac	CH _L	-2.13	93.48	0.29	-1.84	30.00	Pass
			CH _H	-1.85	93.48	0.29	-1.56		
		802.11n	CH _L	-2.45	93.45	0.29	-2.16	30.00	Pass
			CH _H	-2.70	93.45	0.29	-2.41		
	80	802.11ac	CH _M	-5.57	87.69	0.57	-5.00	30.00	Pass

Band I		802.11ac (HT20)
CH _L		
CH _M		
CH _H		

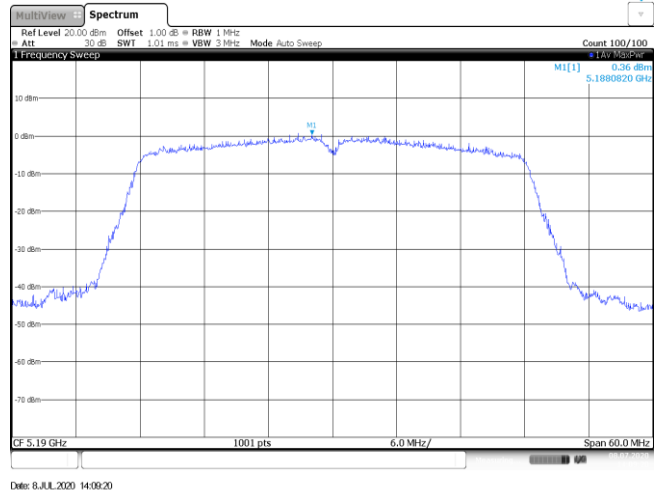
Band I		802.11n (HT20)
CH _L	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 M1[1] 3.14 dBm 5.1789220 GHz CF 5.18 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 8.JUL.2020 13:50:18</p>	
CH _M	 <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 M1[1] 2.74 dBm 5.2206660 GHz CF 5.22 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 8.JUL.2020 13:53:00</p>	
CH _H	 <p>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 M1[1] 2.49 dBm 5.2388610 GHz CF 5.24 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 8.JUL.2020 13:55:22</p>	

Band I		802.11a
CH _L		
CH _M		
CH _H		

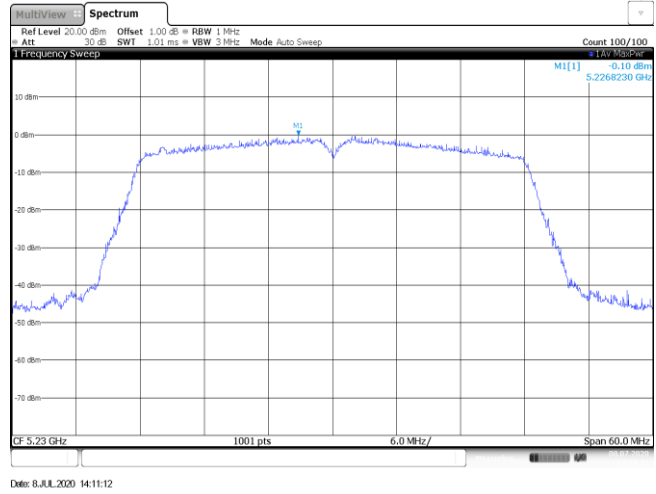
Band I

802.11ac (HT40)

CH_L

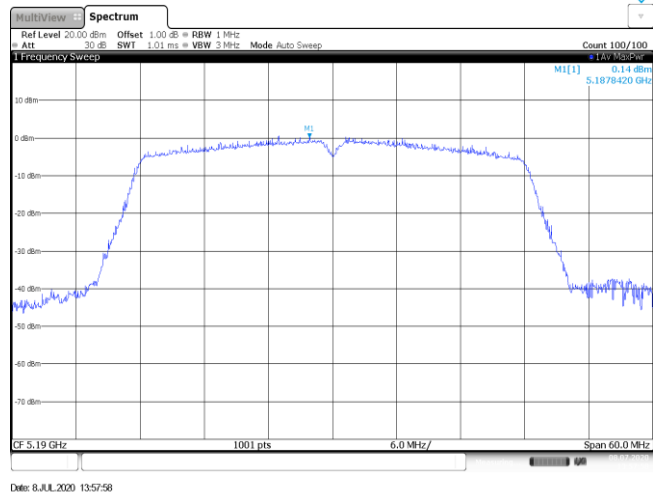


CH_H

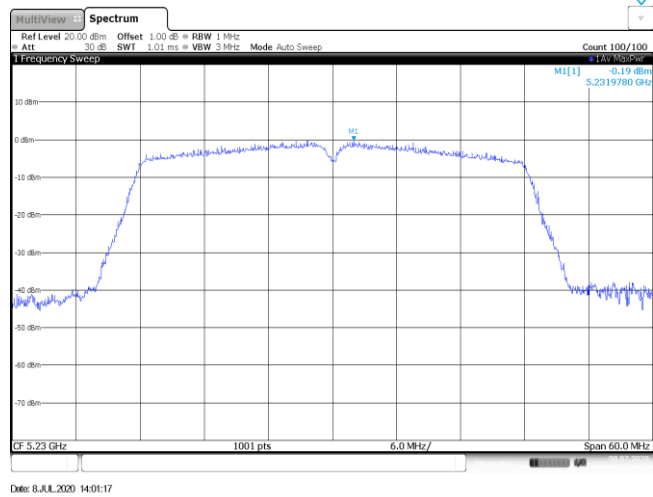


Band I **802.11n (HT40)**

CH_L



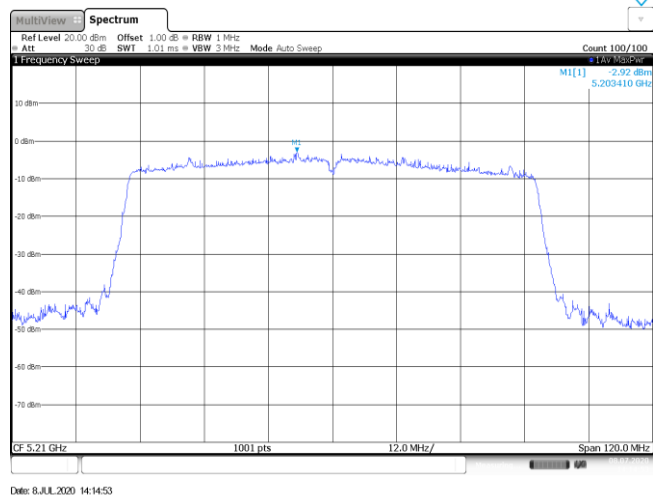
CH_H

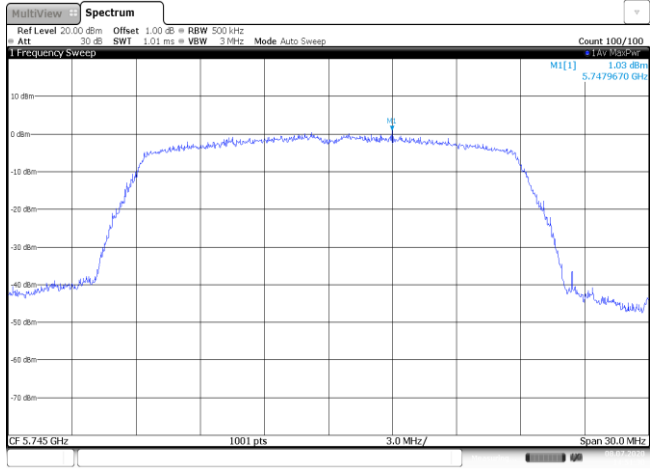
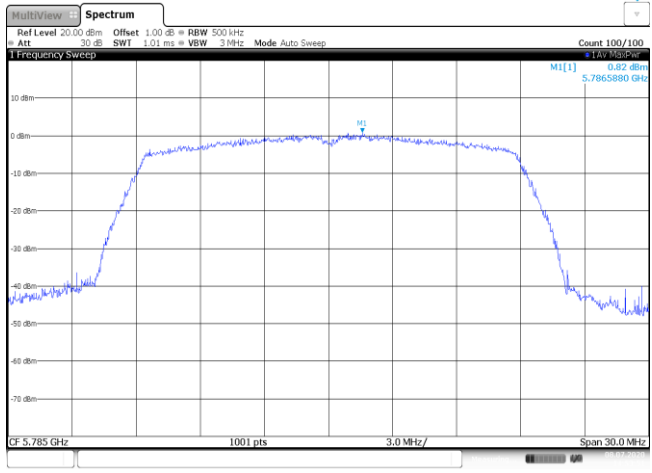
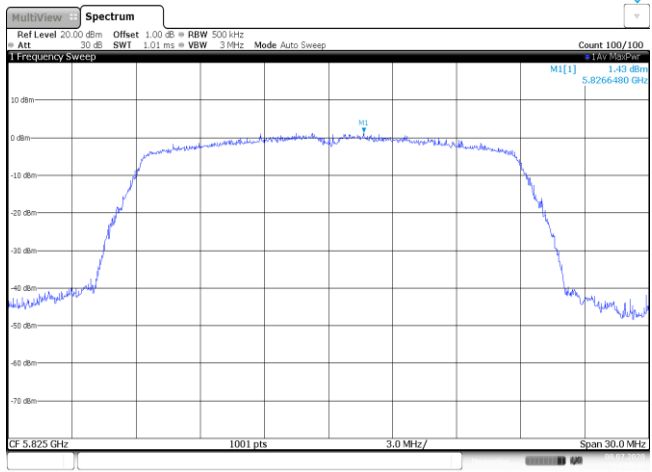


Band I

802.11ac (HT80)

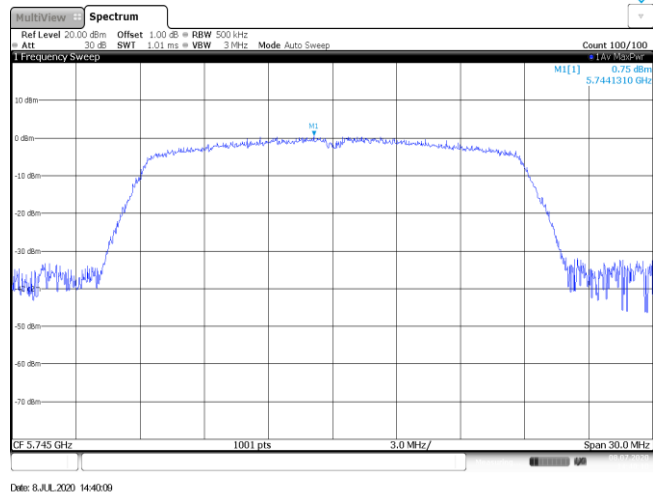
CH_M



Band IV	802.11ac (HT20)
CH _L	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 Hz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 1.02 dBm 5.7479670 GHz CF 5.745 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 8.JUL.2020 14:51:30</p>
CH _M	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 Hz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 0.82 dBm 5.7863880 GHz CF 5.785 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 8.JUL.2020 14:53:52</p>
CH _H	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 Hz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] 1.43 dBm 5.8266480 GHz CF 5.825 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 8.JUL.2020 14:55:40</p>

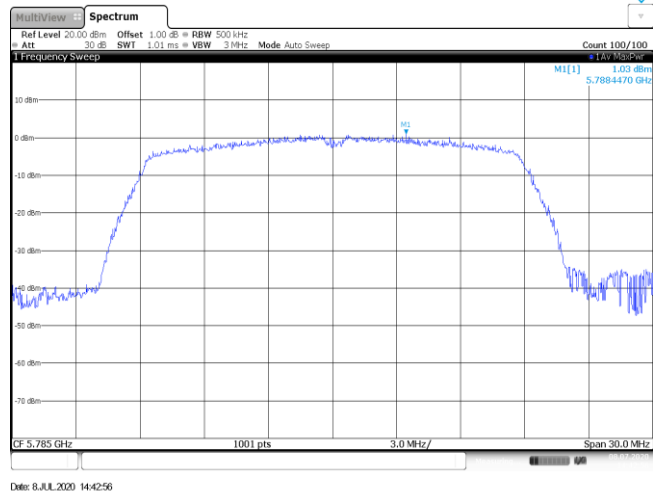
Band IV **802.11n (HT20)**

CH_L



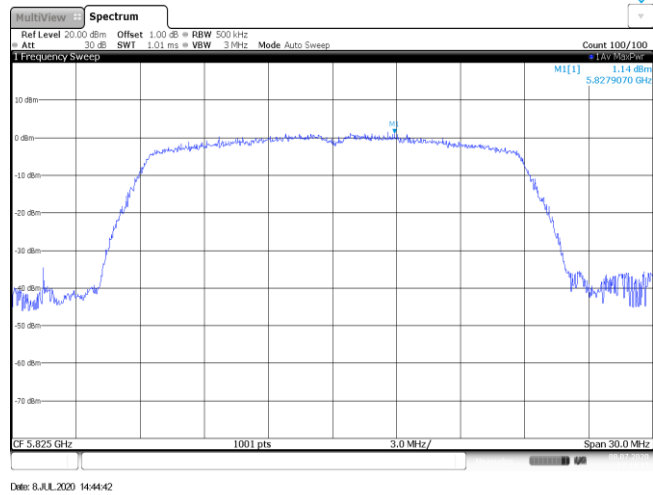
Date: 8.JUL.2020 14:40:09

CH_M



Date: 8.JUL.2020 14:42:56

CH_H

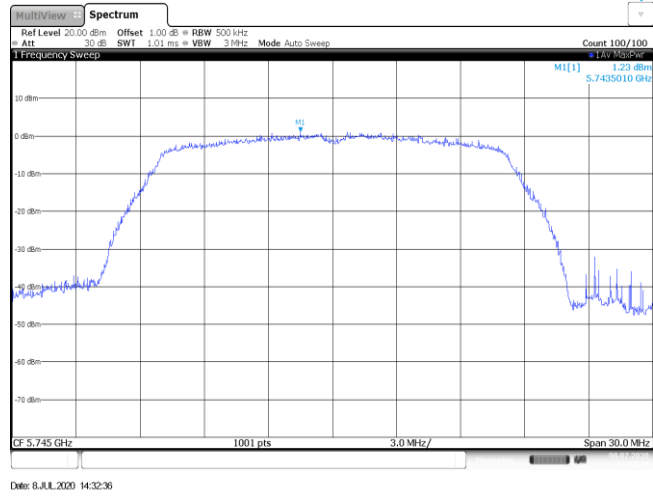


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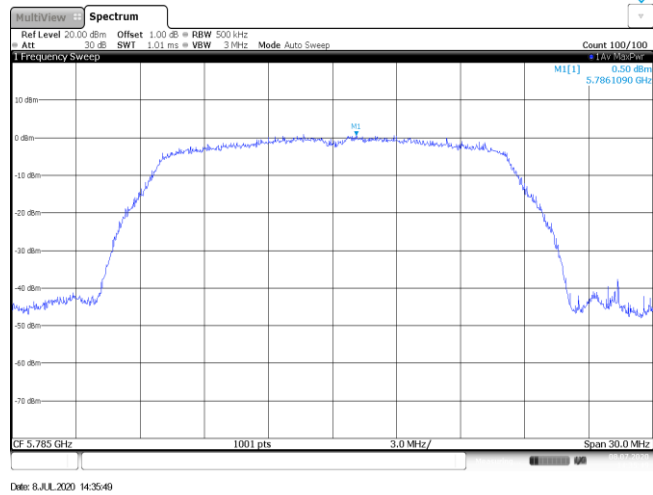
Band IV

802.11a

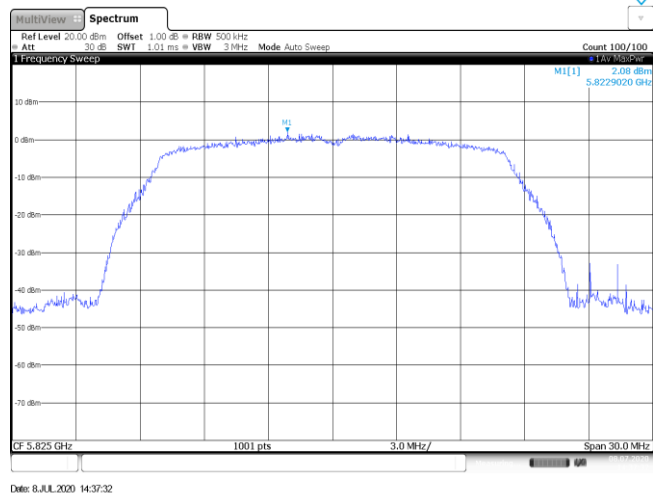
CH_L



CH_M



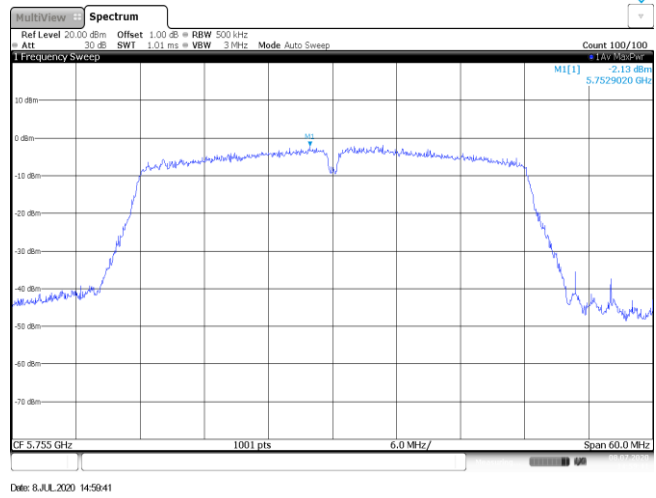
CH_H



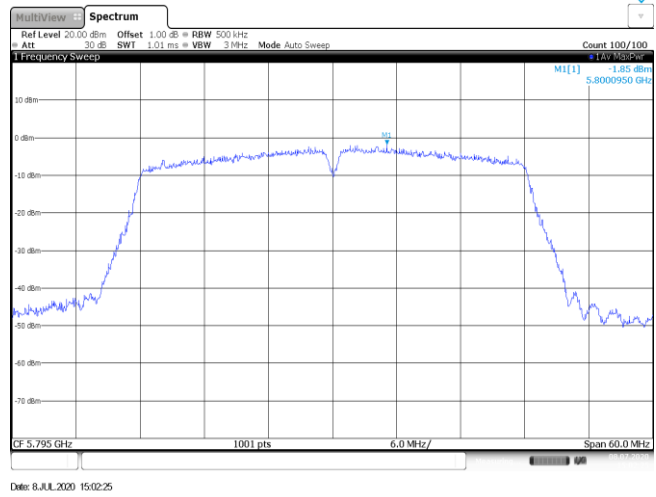
Band IV

802.11ac (HT40)

CH_L



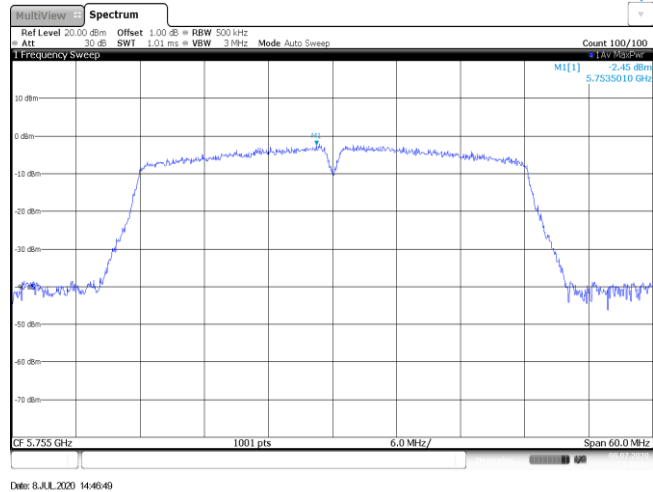
CH_H



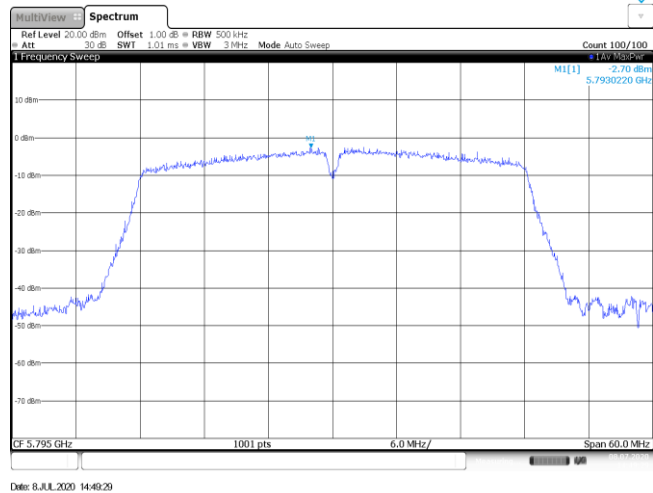
Band IV

802.11n (HT40)

CH_L



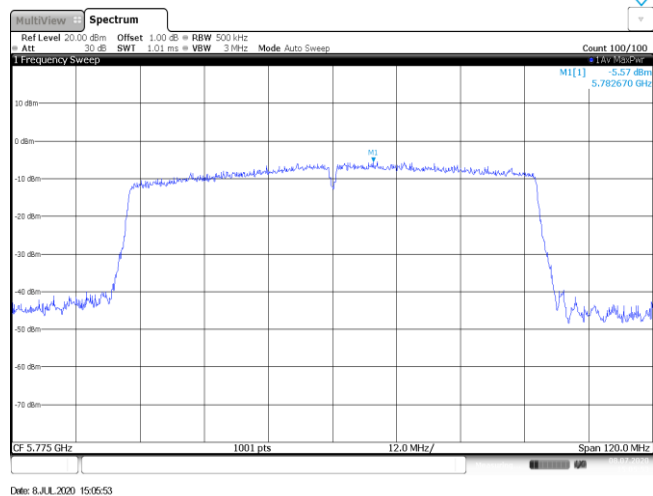
CH_H



Band IV

802.11ac (HT80)

CH_M



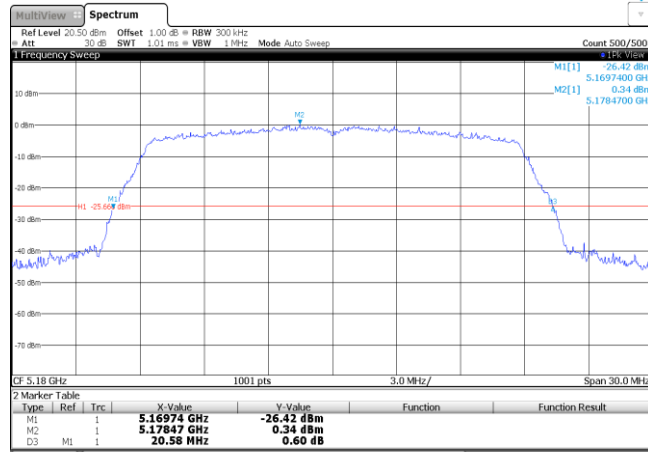
Appendix C: 26dB bandwidth

Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
I	20	802.11ac	CH _L	20.58	Pass
			CH _M	20.52	
			CH _H	20.55	
		802.11n	CH _L	20.52	Pass
			CH _M	20.64	
			CH _H	20.49	
		802.11a	CH _L	20.28	Pass
			CH _M	20.25	
			CH _H	20.16	
	40	802.11ac	CH _L	40.56	Pass
			CH _H	41.16	
		802.11n	CH _L	41.10	Pass
			CH _H	40.92	
80	802.11ac	CH _M	81.60	Pass	

Band I

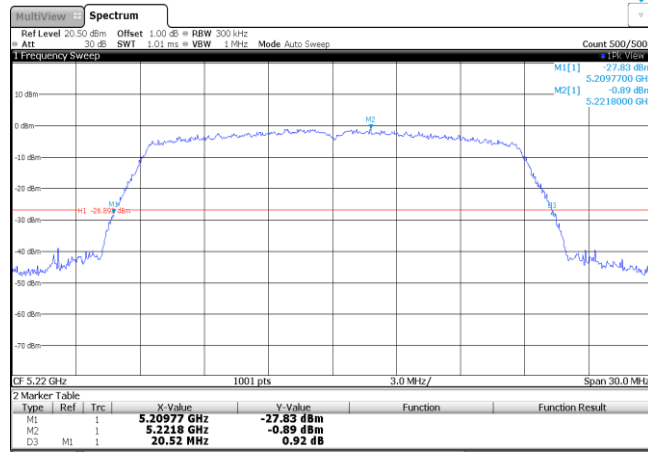
802.11ac (HT20)

CH_L



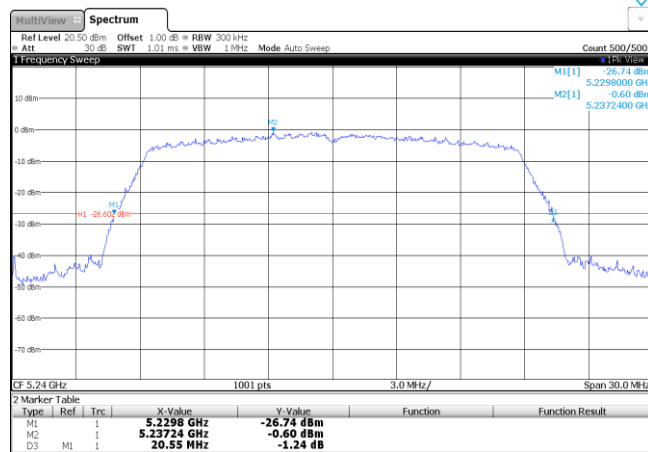
Date: 8.JUL.2020 14:04:04

CH_M



Date: 8.JUL.2020 14:05:55

CH_H

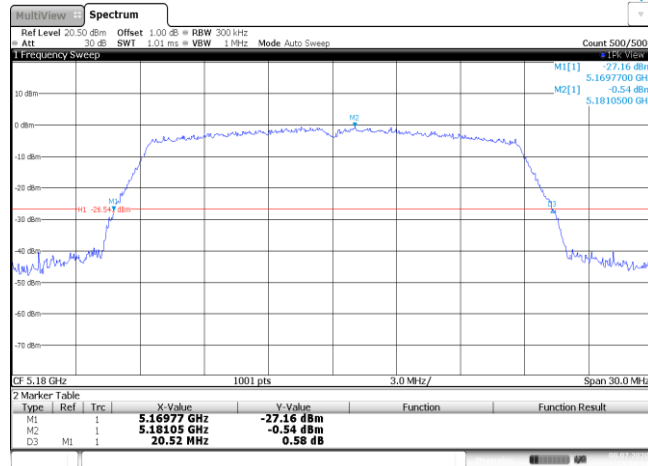


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Band I

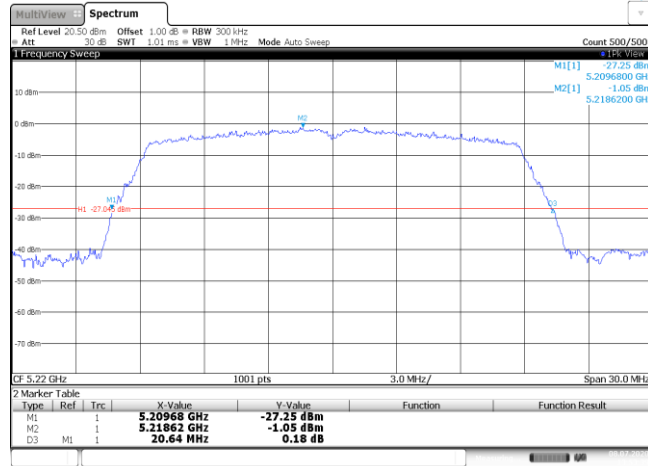
802.11n (HT20)

CH_L



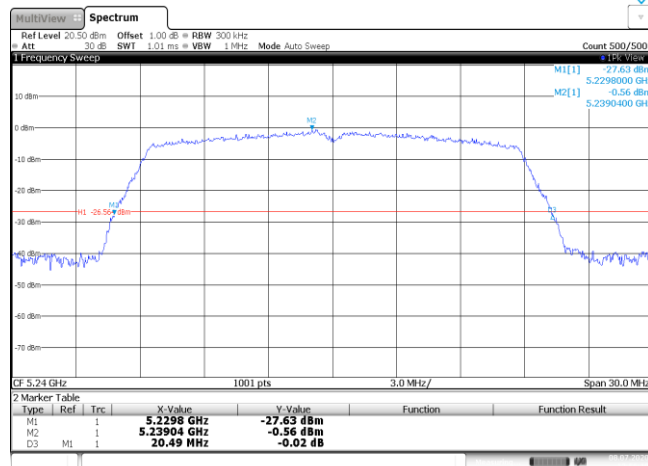
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CH_M



Date: 8.JUL.2020 13:53:39

CH_H

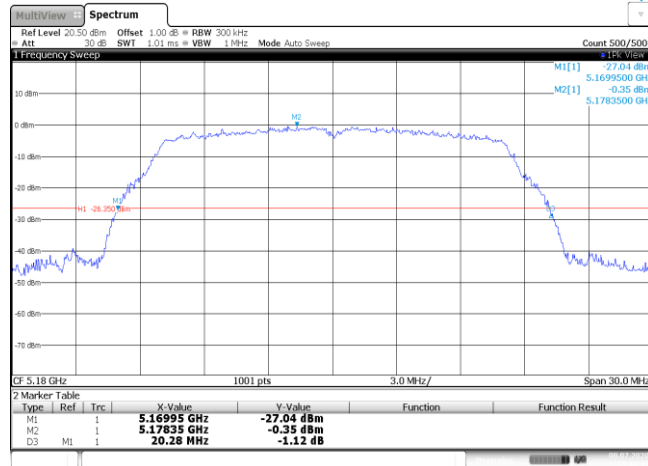


Date: 8.JUL.2020 13:56:10

Band I

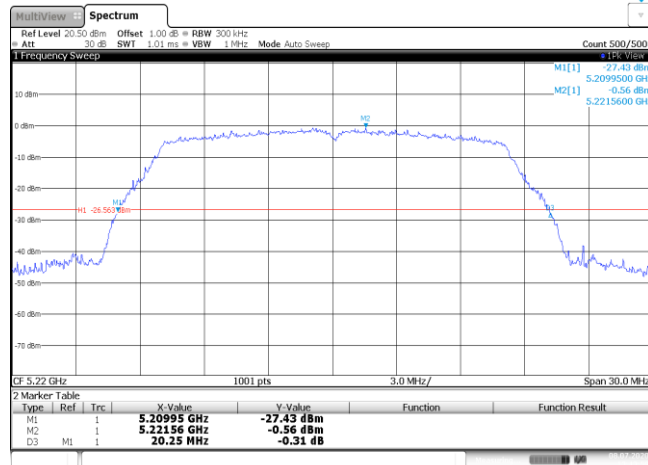
802.11a

CH_L



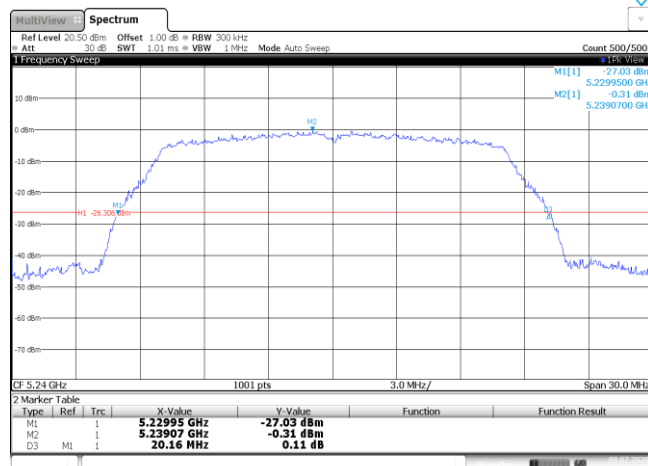
Date: 8.JUL.2020 13:40:45

CH_M



Date: 8.JUL.2020 13:43:59

CH_H

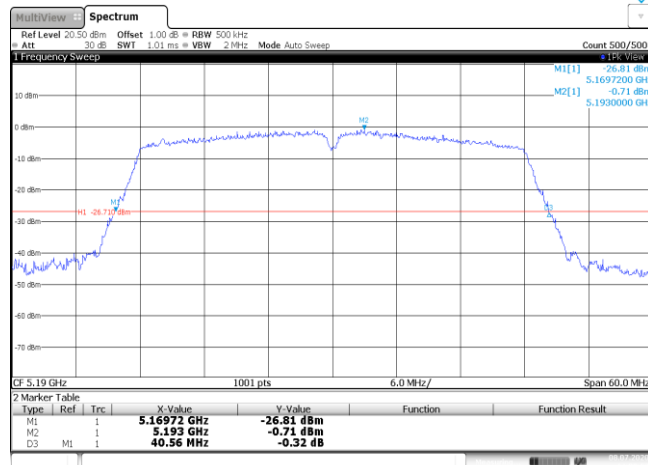


Date: 8.JUL.2020 13:48:21

Band I

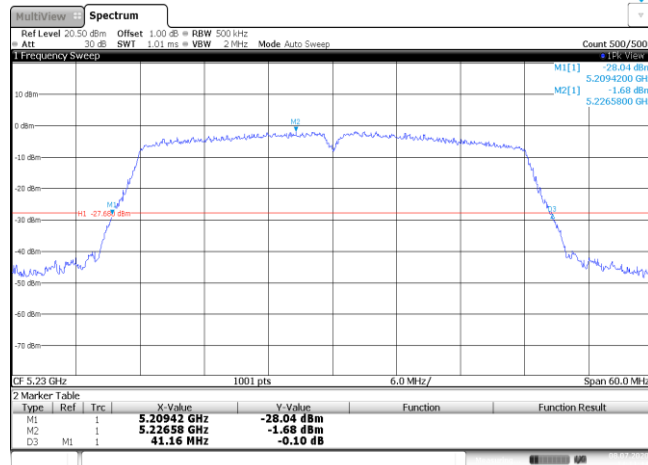
802.11ac (HT40)

CH_L



Date: 8.JUL.2020 14:09:58

CH_H

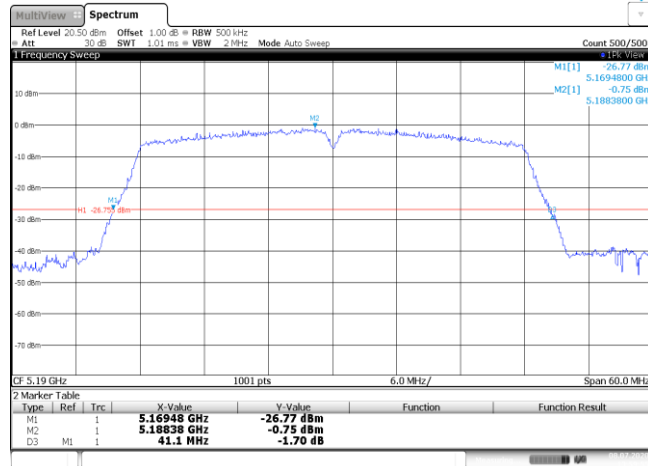


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Band I

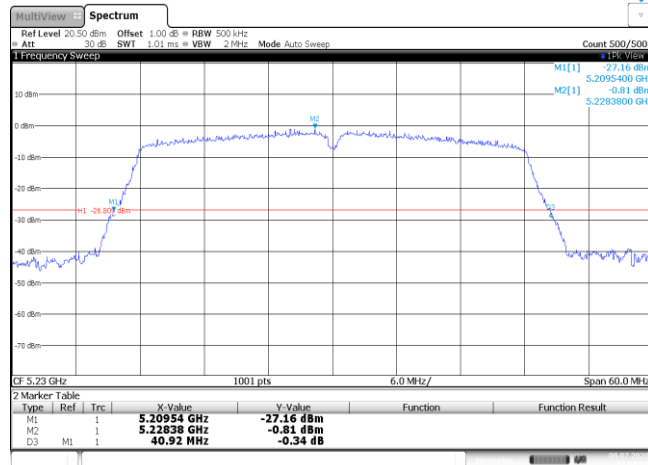
802.11n (HT40)

CH_L



Date: 8.JUL.2020 13:50:55

CH_H

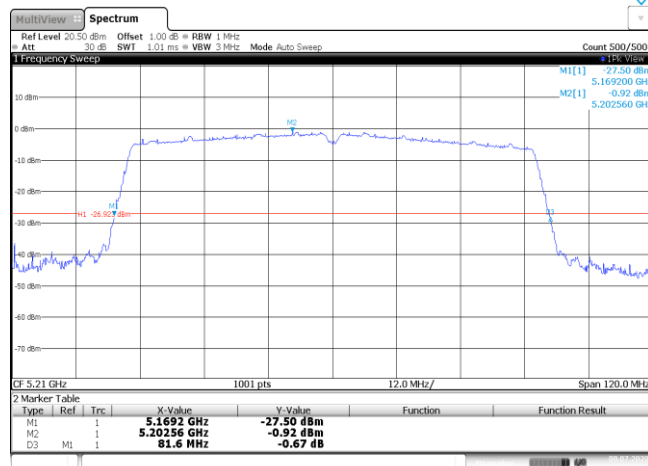


Date: 8.JUL.2020 14:01:55

Band I

802.11ac (HT80)

CH_M



Date: 8.JUL.2020 14:15:26

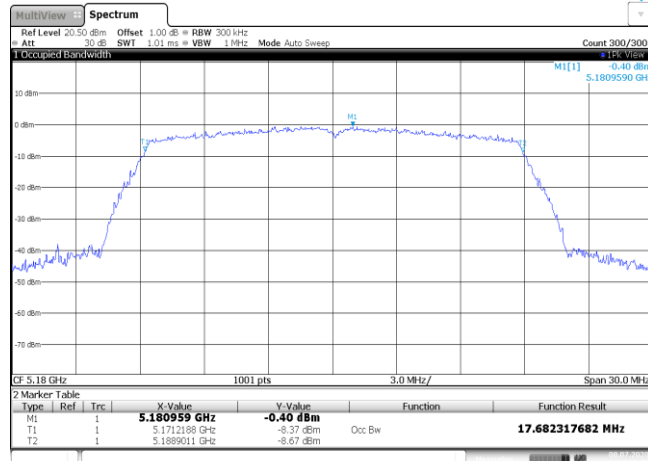
Appendix D: 99% Occupancy bandwidth

Band	Bandwidth (MHz)	Type	Channel	99% Occupancy bandwidth (MHz)	Result
I	20	802.11ac	CH _L	17.68	Pass
			CH _M	17.65	
			CH _H	17.68	
		802.11n	CH _L	17.68	Pass
			CH _M	17.68	
			CH _H	17.68	
		802.11a	CH _L	16.66	Pass
			CH _M	16.69	
			CH _H	16.66	
	40	802.11ac	CH _L	36.08	Pass
			CH _H	36.08	
		802.11n	CH _L	36.02	Pass
CH _H			36.08		
80	802.11ac	CH _M	75.04	Pass	
IV	20	802.11ac	CH _L	17.68	Pass
			CH _M	17.68	
			CH _H	17.65	
		802.11n	CH _L	17.71	Pass
			CH _M	17.68	
			CH _H	17.65	
		802.11a	CH _L	16.69	Pass
			CH _M	16.63	
			CH _H	16.63	
	40	802.11ac	CH _L	36.08	Pass
			CH _H	36.08	
		802.11n	CH _L	36.21	Pass
CH _H			36.12		
80	802.11ac	CH _M	75.16	Pass	

Band I

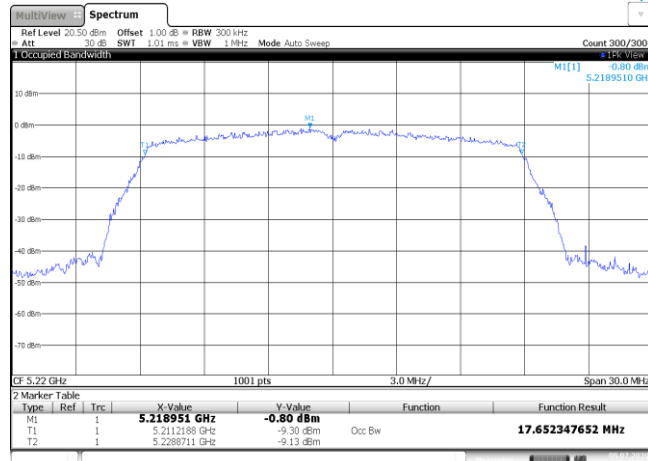
802.11ac (HT20)

CH_L



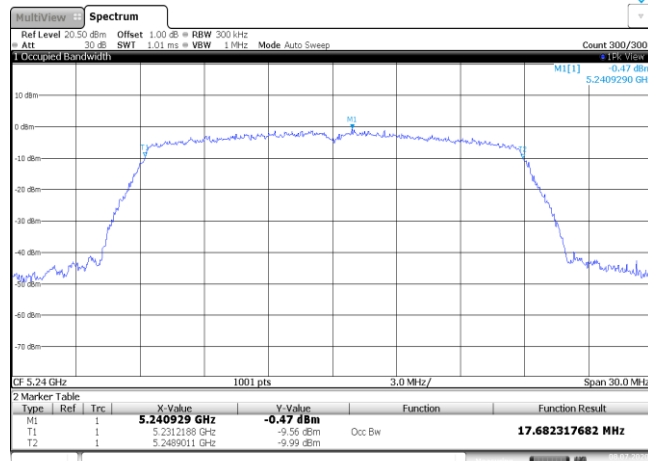
Date: 8.JUL.2020 14:03:54

CH_M



Date: 8.JUL.2020 14:05:45

CH_H

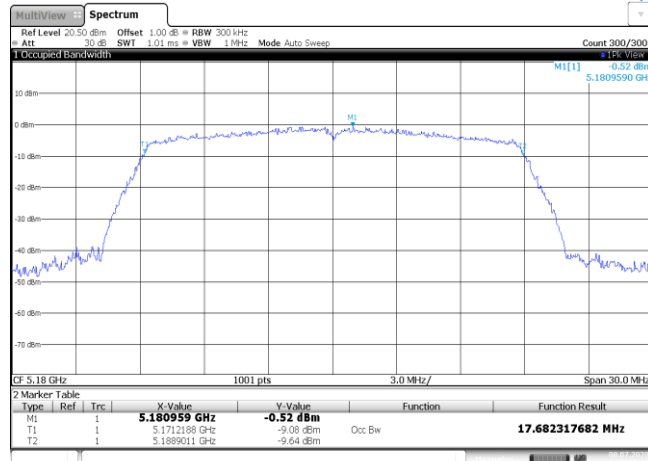


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Band I

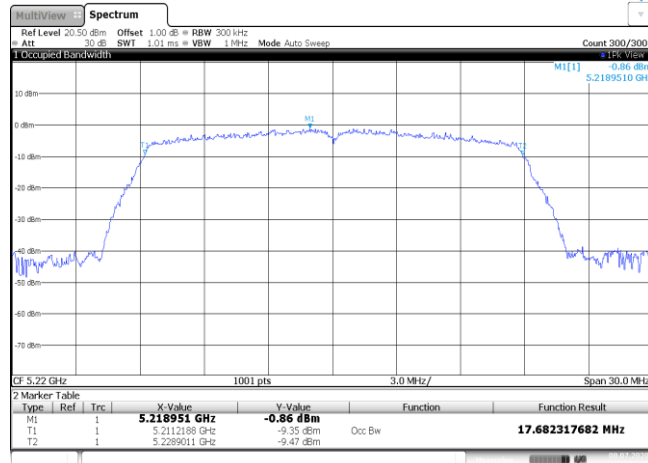
802.11n (HT20)

CH_L



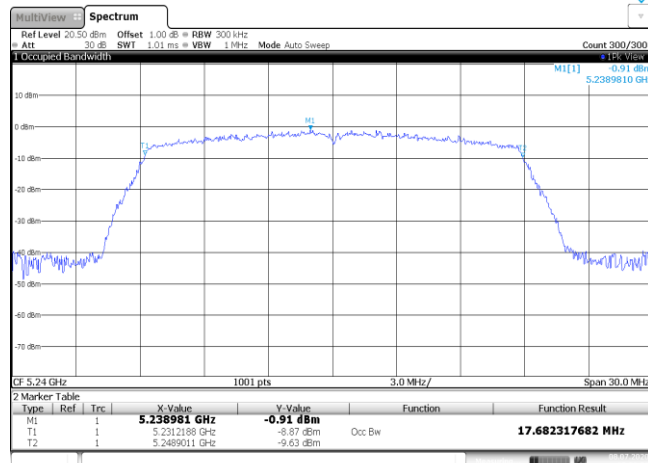
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CH_M



Date: 8.JUL.2020 13:53:30

CH_H

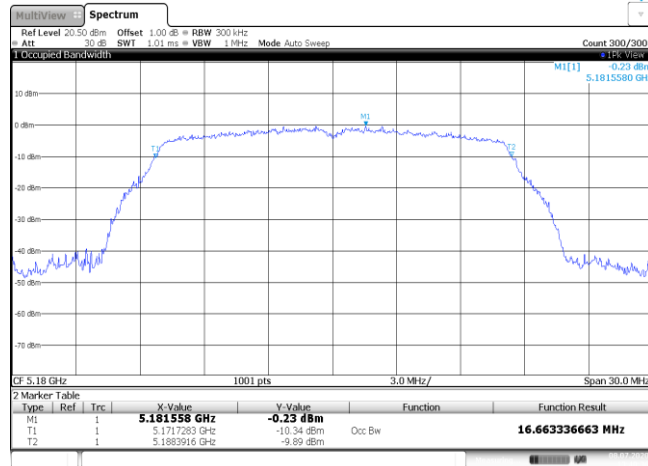


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Band I

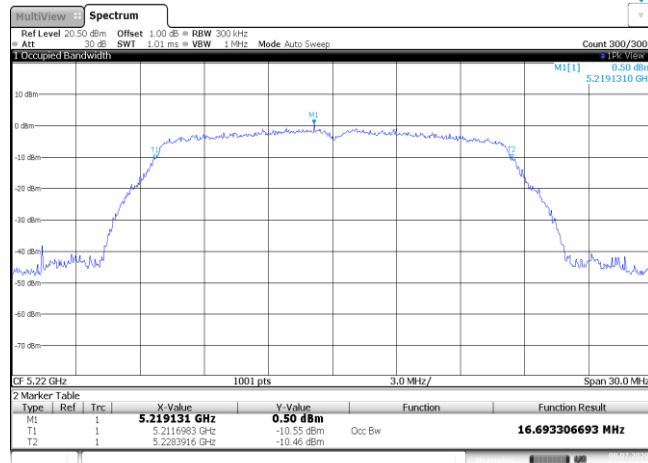
802.11a

CH_L



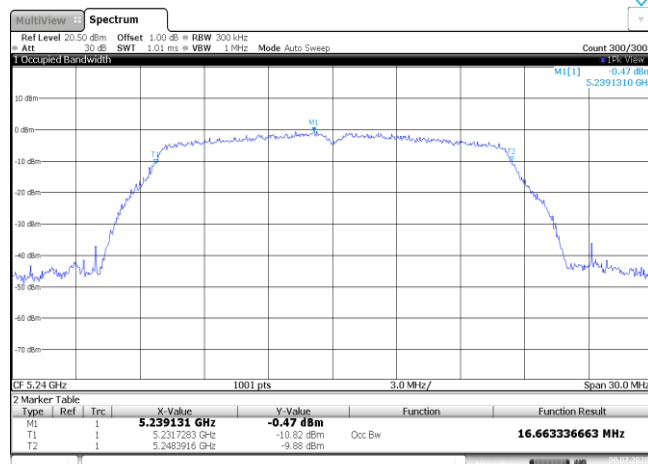
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CH_M



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CH_H

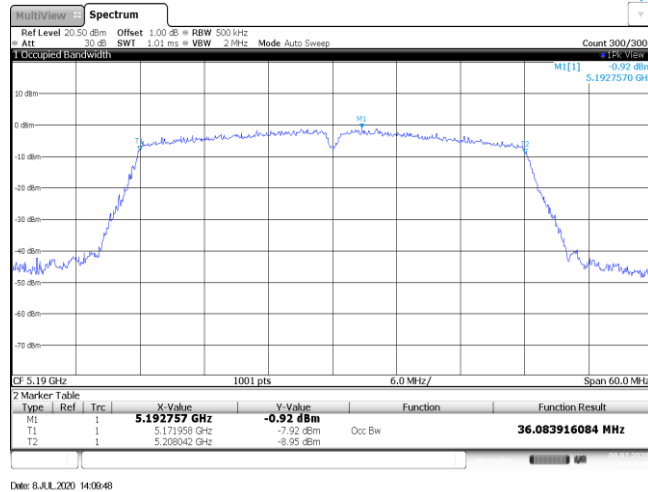


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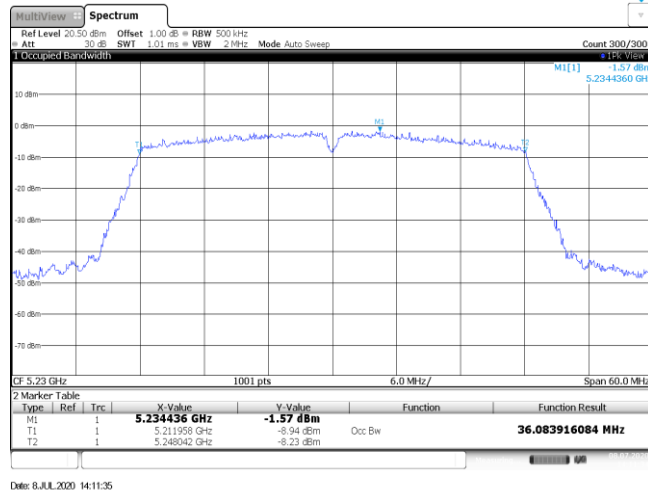
Band I

802.11ac (HT40)

CH_L

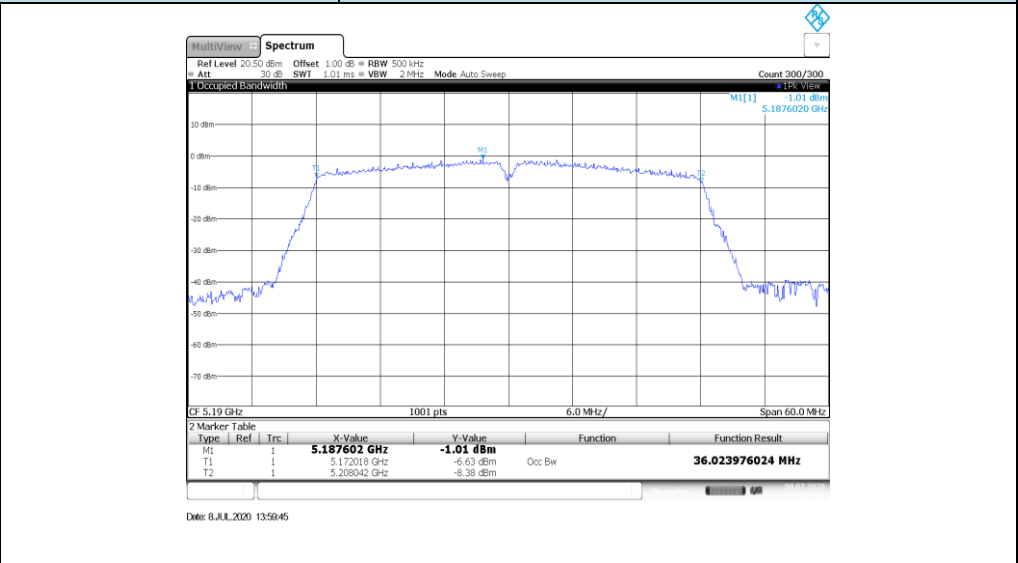


CH_H

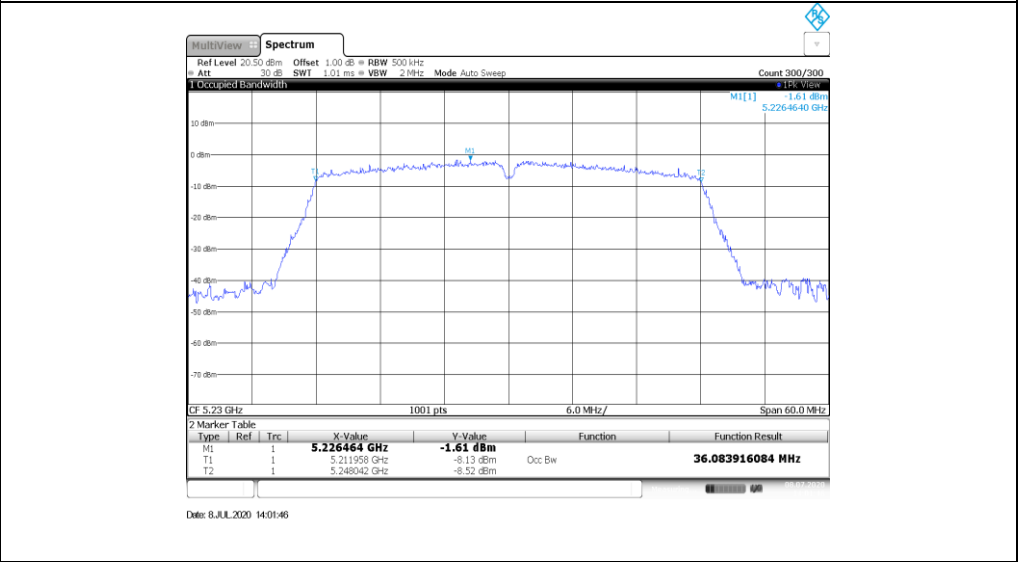


Band I **802.11n (HT40)**

CH_L

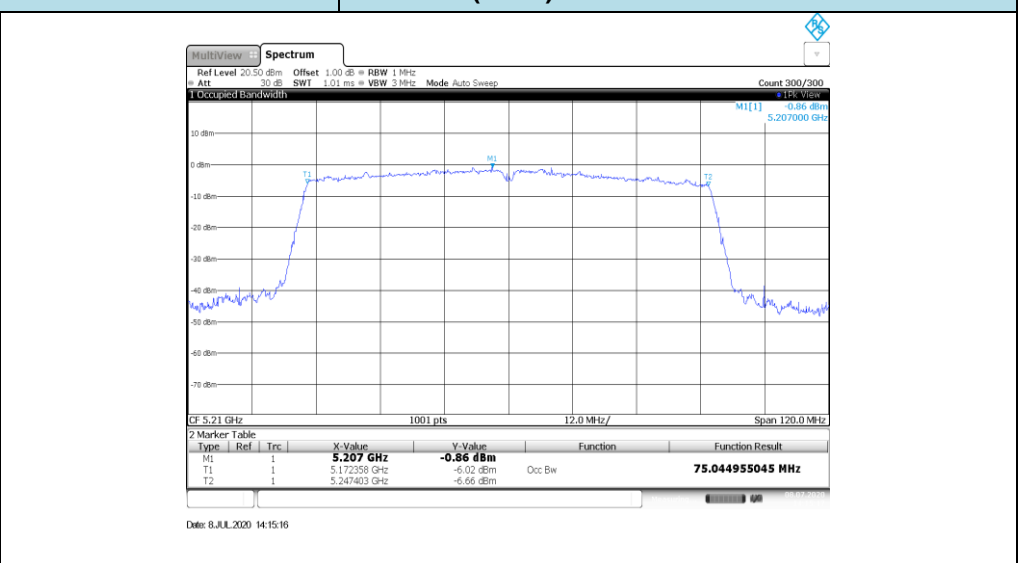


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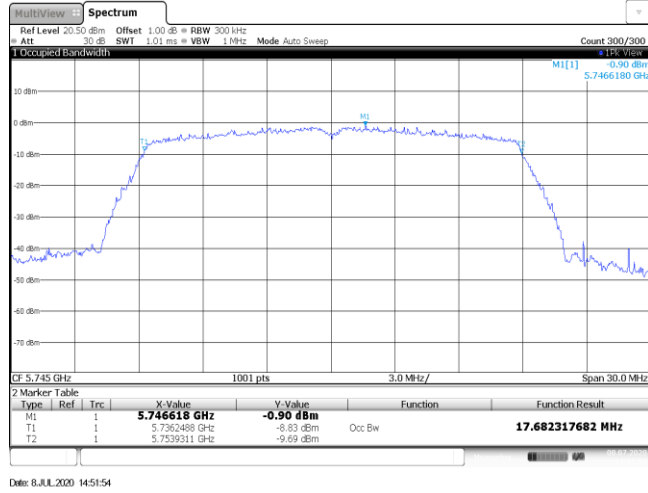
Band I **802.11ac (HT80)**

CH_M

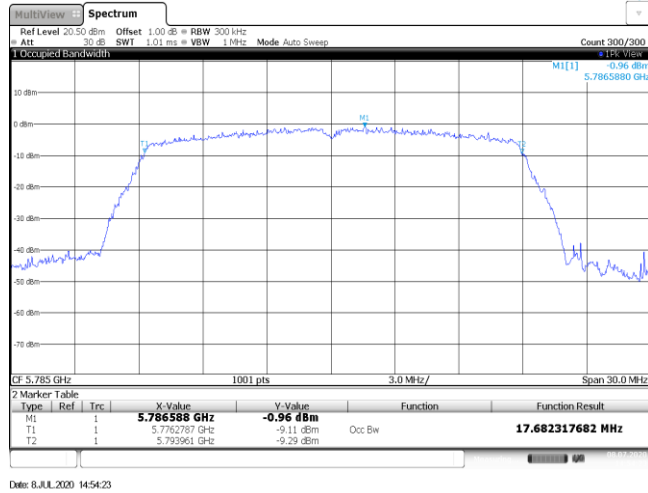


Band IV **802.11ac (HT20)**

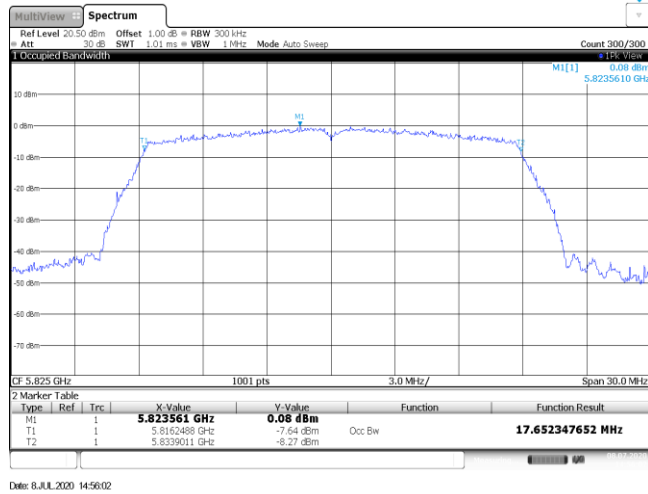
CH_L



CH_M



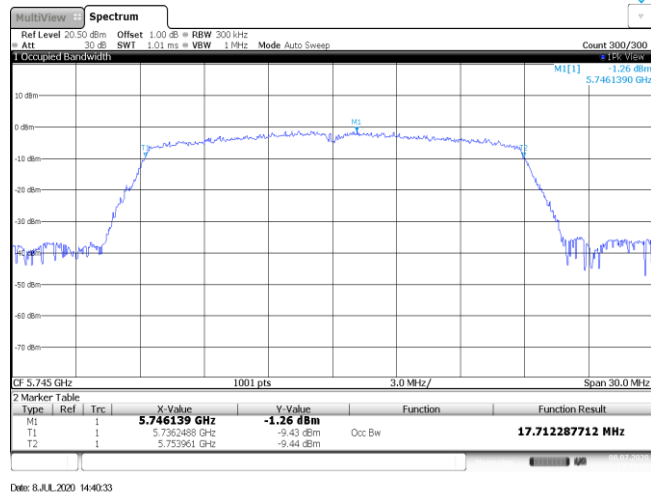
CH_H



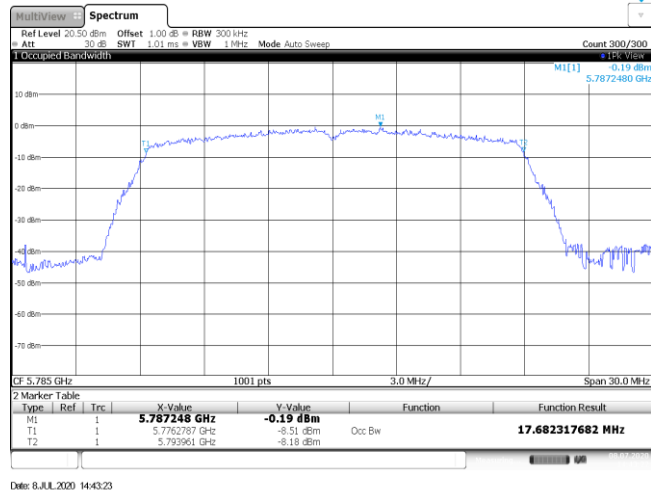
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802.11n (HT20)

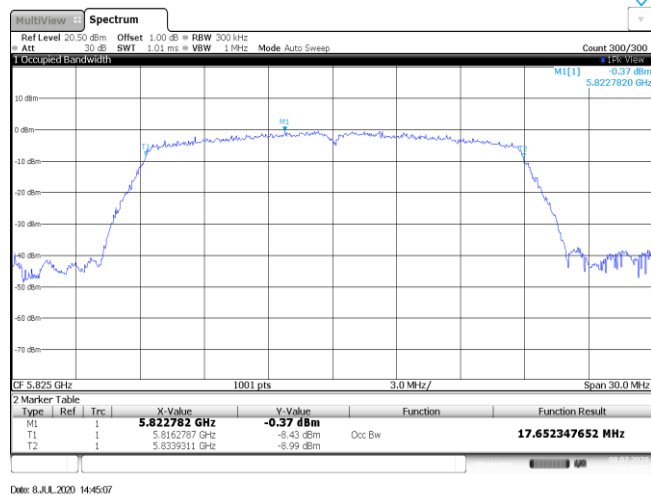
CH_L



CH_M



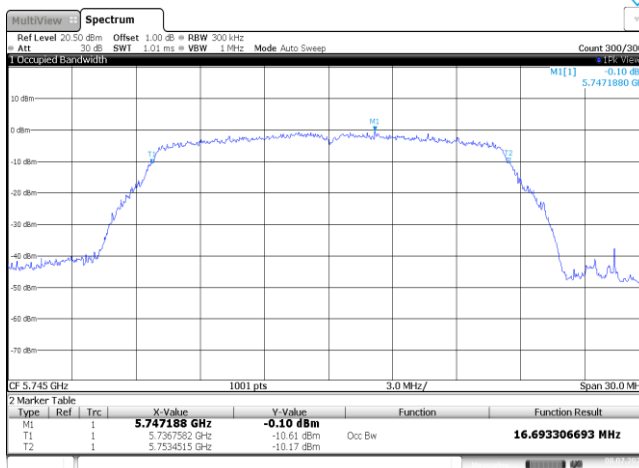
CH_H



Band IV

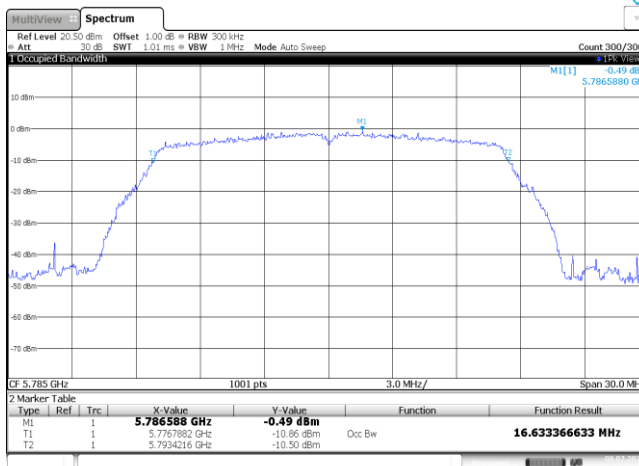
802.11a

CH_L



Date: 8.JUL.2020 14:32:59

CH_M



Date: 8.JUL.2020 14:36:12

CH_H

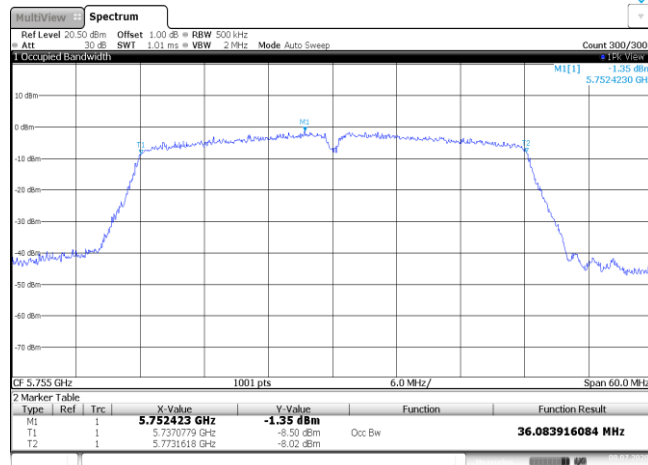


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Band IV

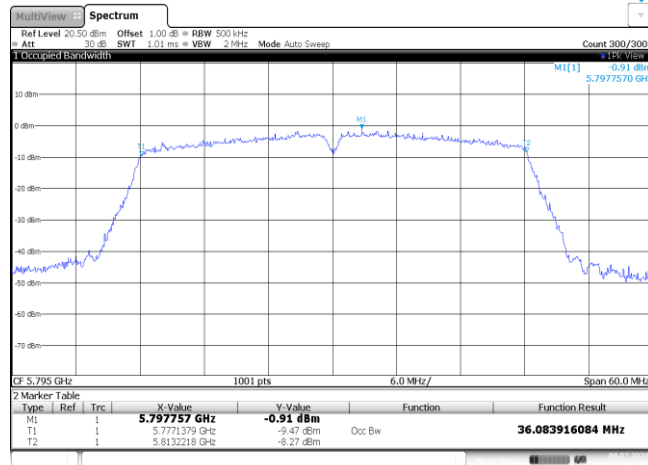
802.11ac (HT40)

CH_L



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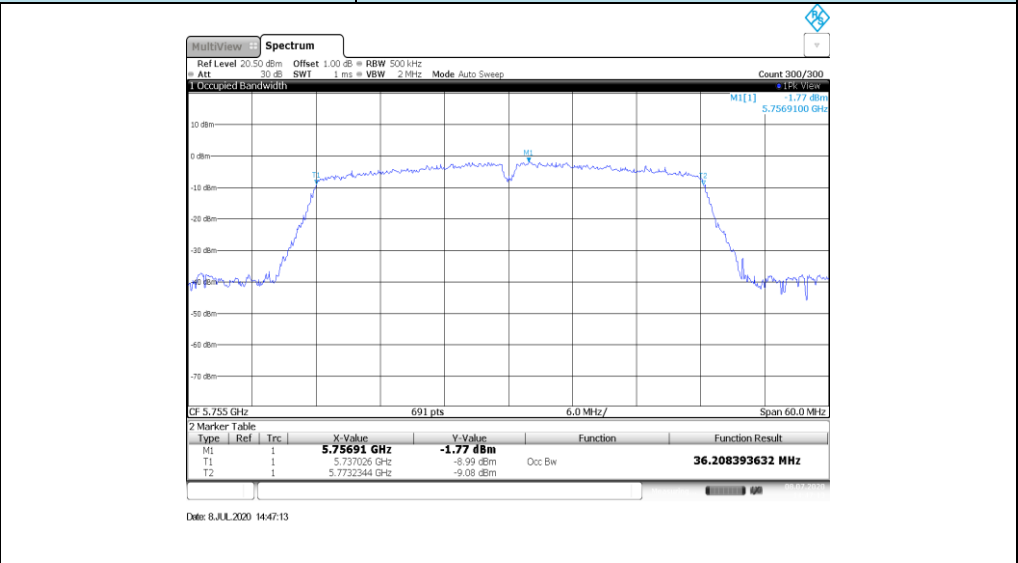
CH_H



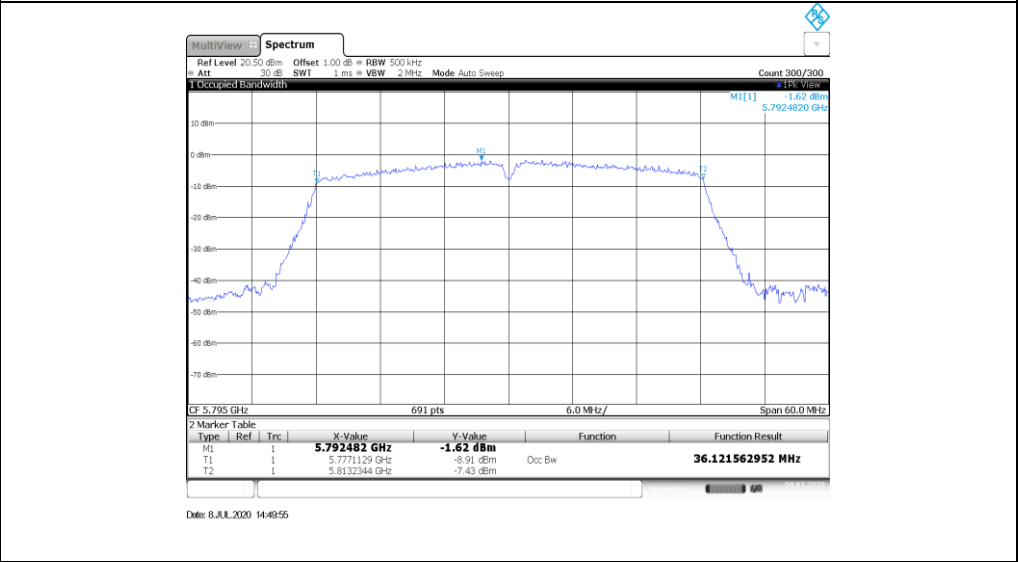
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Band IV **802.11n (HT40)**

CH_L

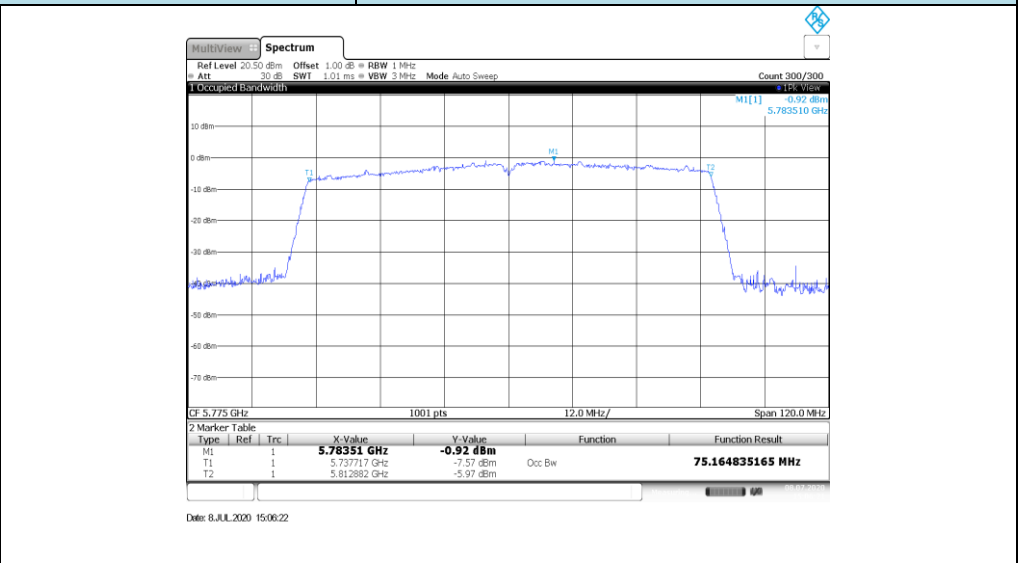


CH_H



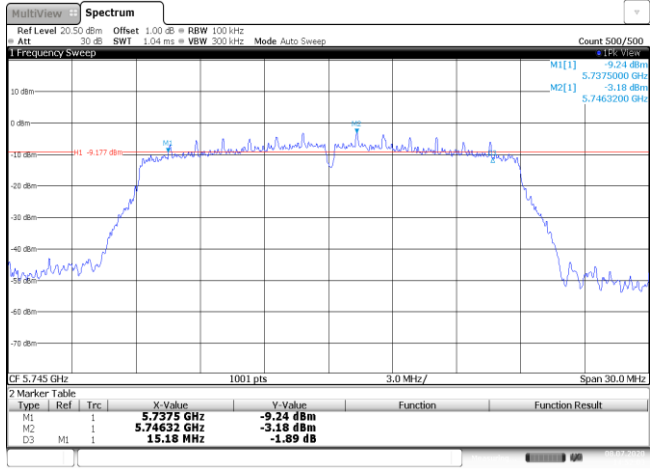
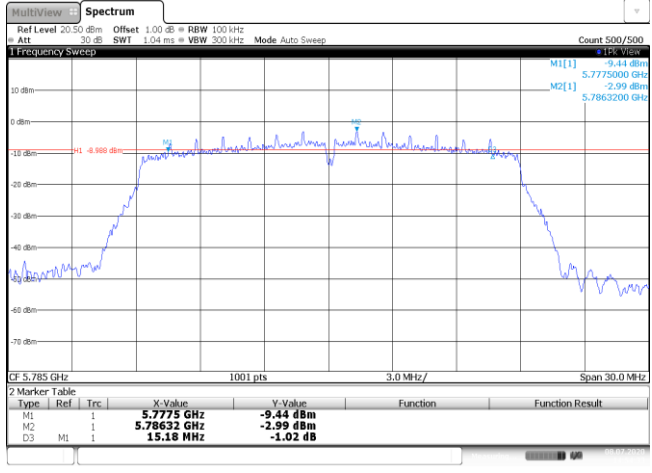
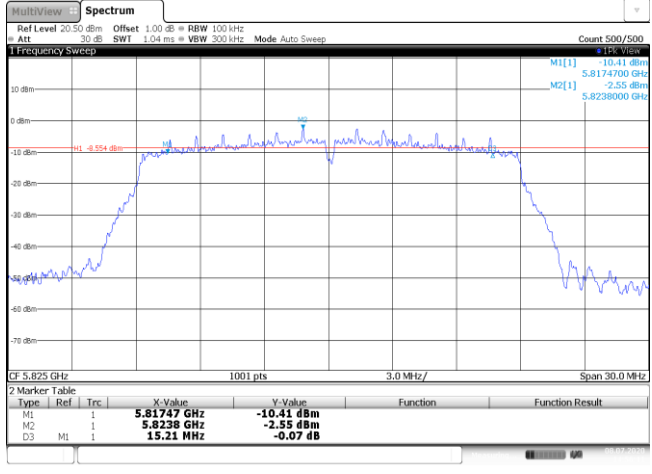
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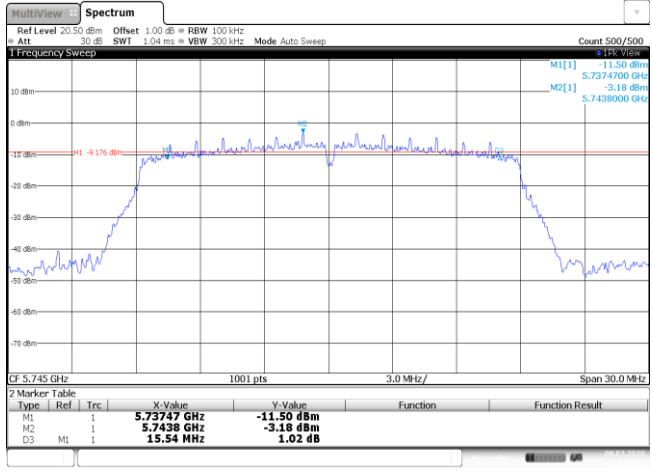
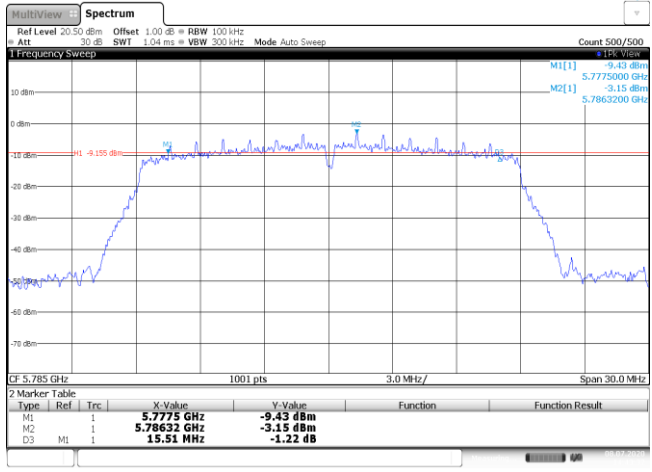
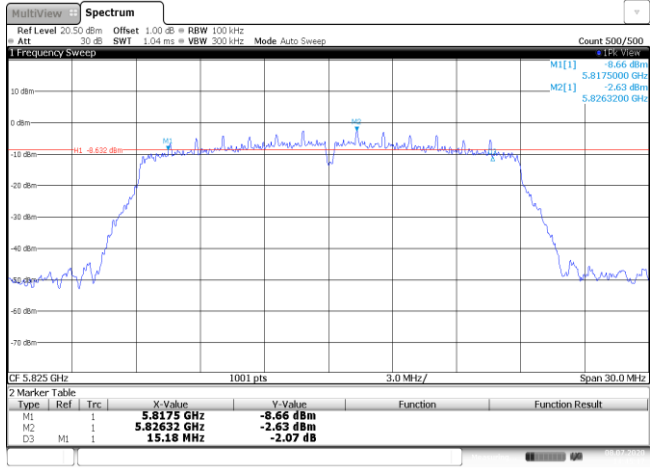
CH_M



Appendix E: 6dB Bandwidth

Band	Bandwidth (MHz)	Type	Channel	6dB bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	15.18	Pass
			CH _M	15.18	
			CH _H	15.21	
		802.11n	CH _L	15.54	Pass
			CH _M	15.51	
			CH _H	15.18	
		802.11a	CH _L	15.18	Pass
			CH _M	15.36	
			CH _H	15.18	
	40	802.11ac	CH _L	35.22	Pass
			CH _H	35.22	
		802.11n	CH _L	35.30	Pass
			CH _H	35.30	
80	802.11ac	CH _M	75.36	Pass	

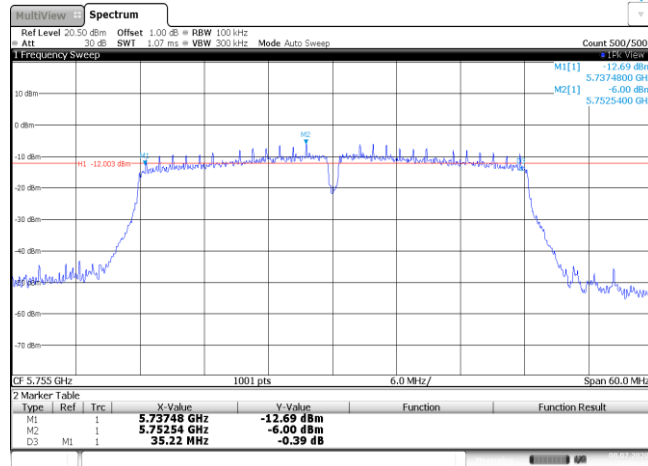
Test channel	802.11ac (HT20)																												
CH _L	 <p>Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.7375 GHz</td> <td>-9.24 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.74632 GHz</td> <td>-3.18 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.18 MHz</td> <td>-1.89 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 8.JUL.2020 14:52:03</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.7375 GHz	-9.24 dBm			M2	1		5.74632 GHz	-3.18 dBm			D3	M1	1	15.18 MHz	-1.89 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.7375 GHz	-9.24 dBm																									
M2	1		5.74632 GHz	-3.18 dBm																									
D3	M1	1	15.18 MHz	-1.89 dB																									
CH _M	 <p>Marker Table</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.7775 GHz</td> <td>-9.44 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.78632 GHz</td> <td>-2.99 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.18 MHz</td> <td>-1.02 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 8.JUL.2020 14:54:33</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.7775 GHz	-9.44 dBm			M2	1		5.78632 GHz	-2.99 dBm			D3	M1	1	15.18 MHz	-1.02 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.7775 GHz	-9.44 dBm																									
M2	1		5.78632 GHz	-2.99 dBm																									
D3	M1	1	15.18 MHz	-1.02 dB																									
CH _H	 <p>Marker Table</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.81747 GHz</td> <td>-10.41 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.8238 GHz</td> <td>-2.55 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.21 MHz</td> <td>-0.07 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 8.JUL.2020 14:56:12</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.81747 GHz	-10.41 dBm			M2	1		5.8238 GHz	-2.55 dBm			D3	M1	1	15.21 MHz	-0.07 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.81747 GHz	-10.41 dBm																									
M2	1		5.8238 GHz	-2.55 dBm																									
D3	M1	1	15.21 MHz	-0.07 dB																									

Test channel	802.11n (HT20)																												
CH _L	 <p>Marker Table</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.73747 GHz</td> <td>-11.50 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.7438 GHz</td> <td>-3.18 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.54 MHz</td> <td>1.02 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 8.JUL.2020 14:40:42</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.73747 GHz	-11.50 dBm			M2	1		5.7438 GHz	-3.18 dBm			D3	M1	1	15.54 MHz	1.02 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.73747 GHz	-11.50 dBm																									
M2	1		5.7438 GHz	-3.18 dBm																									
D3	M1	1	15.54 MHz	1.02 dB																									
CH _M	 <p>Marker Table</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.7775 GHz</td> <td>-9.43 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.78632 GHz</td> <td>-3.15 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.51 MHz</td> <td>-1.22 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 8.JUL.2020 14:43:32</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.7775 GHz	-9.43 dBm			M2	1		5.78632 GHz	-3.15 dBm			D3	M1	1	15.51 MHz	-1.22 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.7775 GHz	-9.43 dBm																									
M2	1		5.78632 GHz	-3.15 dBm																									
D3	M1	1	15.51 MHz	-1.22 dB																									
CH _H	 <p>Marker Table</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.8175 GHz</td> <td>-8.66 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.82632 GHz</td> <td>-2.63 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.18 MHz</td> <td>-2.07 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 8.JUL.2020 14:45:17</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.8175 GHz	-8.66 dBm			M2	1		5.82632 GHz	-2.63 dBm			D3	M1	1	15.18 MHz	-2.07 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.8175 GHz	-8.66 dBm																									
M2	1		5.82632 GHz	-2.63 dBm																									
D3	M1	1	15.18 MHz	-2.07 dB																									

Test channel	802.11a																												
CH _L	<p>MultiView Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Count 500/500 Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep</p> <p>1 Frequency Sweep</p> <p>CF 5.745 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.7375 GHz</td> <td>-9.30 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.7438 GHz</td> <td>-3.23 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.18 MHz</td> <td>-1.55 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 8.JUL.2020 14:33:08</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.7375 GHz	-9.30 dBm			M2	1		5.7438 GHz	-3.23 dBm			D3	M1	1	15.18 MHz	-1.55 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.7375 GHz	-9.30 dBm																									
M2	1		5.7438 GHz	-3.23 dBm																									
D3	M1	1	15.18 MHz	-1.55 dB																									
CH _M	<p>MultiView Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Count 500/500 Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep</p> <p>1 Frequency Sweep</p> <p>CF 5.785 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.7775 GHz</td> <td>-9.67 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.78632 GHz</td> <td>-3.53 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.36 MHz</td> <td>0.00 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 8.JUL.2020 14:36:22</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.7775 GHz	-9.67 dBm			M2	1		5.78632 GHz	-3.53 dBm			D3	M1	1	15.36 MHz	0.00 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.7775 GHz	-9.67 dBm																									
M2	1		5.78632 GHz	-3.53 dBm																									
D3	M1	1	15.36 MHz	0.00 dB																									
CH _H	<p>MultiView Spectrum</p> <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz Count 500/500 Att 30 dB SWI 1.04 ms VBW 300 kHz Mode Auto Sweep</p> <p>1 Frequency Sweep</p> <p>CF 5.825 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.8175 GHz</td> <td>-9.03 dBm</td> <td></td> <td></td> </tr> <tr> <td>M2</td> <td>1</td> <td></td> <td>5.82632 GHz</td> <td>-2.57 dBm</td> <td></td> <td></td> </tr> <tr> <td>D3</td> <td>M1</td> <td>1</td> <td>15.18 MHz</td> <td>-1.71 dB</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 8.JUL.2020 14:38:08</p>	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.8175 GHz	-9.03 dBm			M2	1		5.82632 GHz	-2.57 dBm			D3	M1	1	15.18 MHz	-1.71 dB		
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result																							
M1	1		5.8175 GHz	-9.03 dBm																									
M2	1		5.82632 GHz	-2.57 dBm																									
D3	M1	1	15.18 MHz	-1.71 dB																									

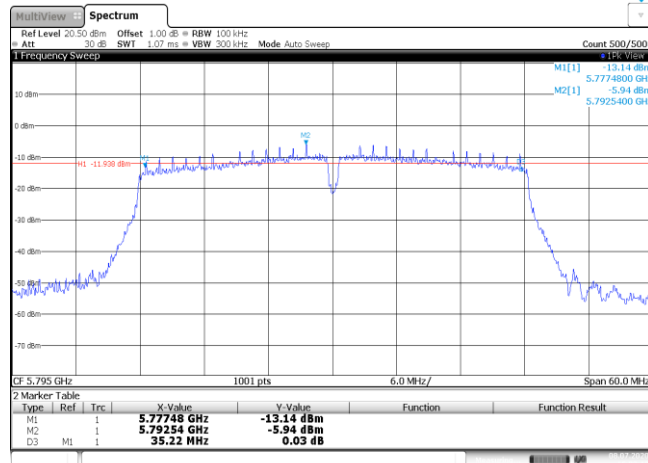
Test channel **802.11ac (HT40)**

CH_L



Date: 8.JUL.2020 15:00:40

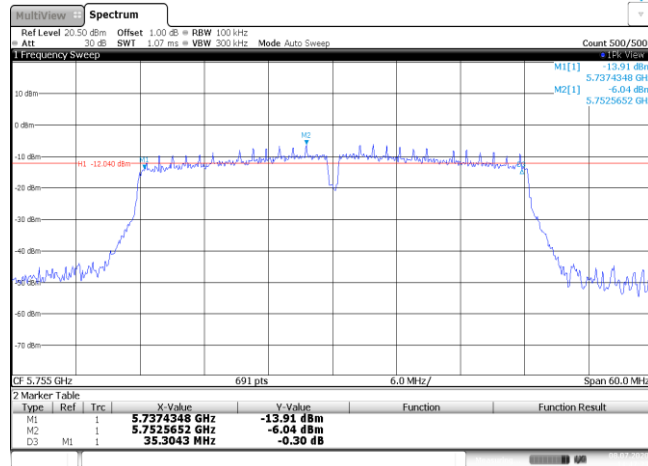
CH_H



Date: 8.JUL.2020 15:03:14

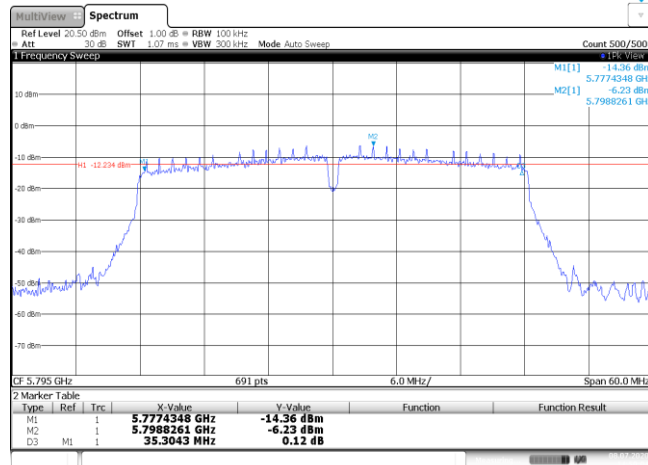
Test channel **802.11n (HT40)**

CH_L



Date: 8.JUL.2020 14:47:22

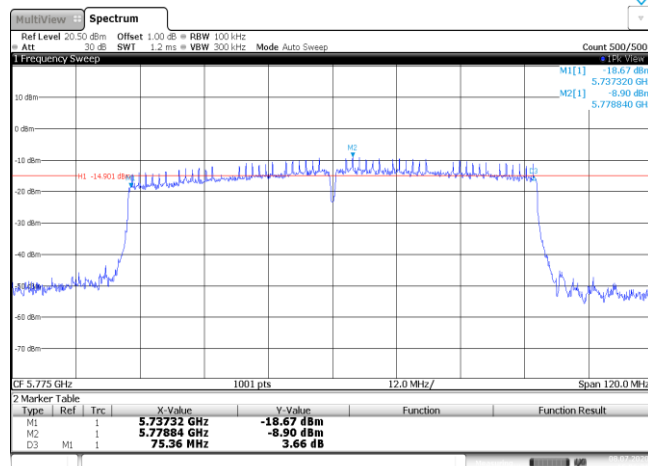
CH_H



Date: 8.JUL.2020 14:50:04

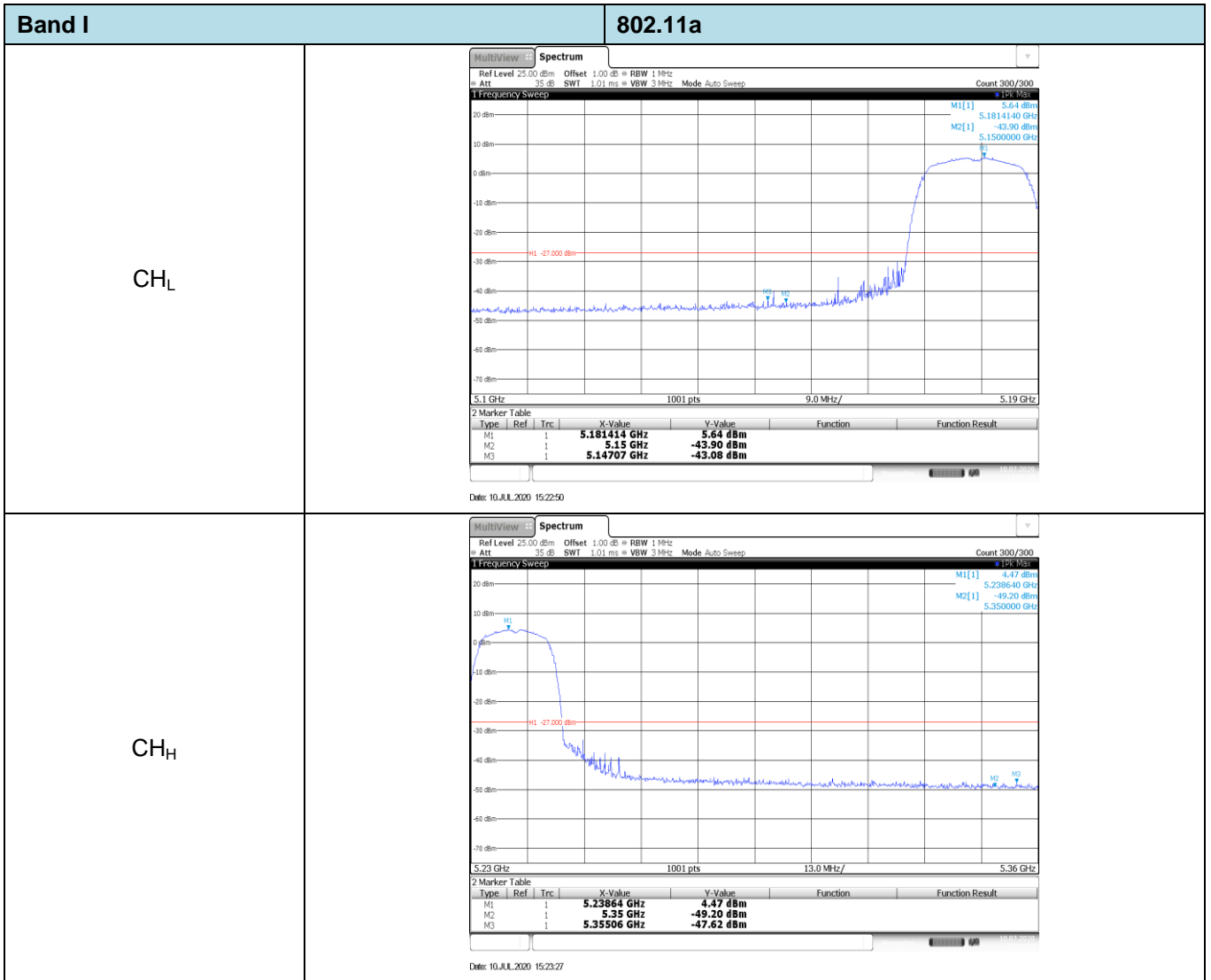
Test channel **802.11ac (HT80)**

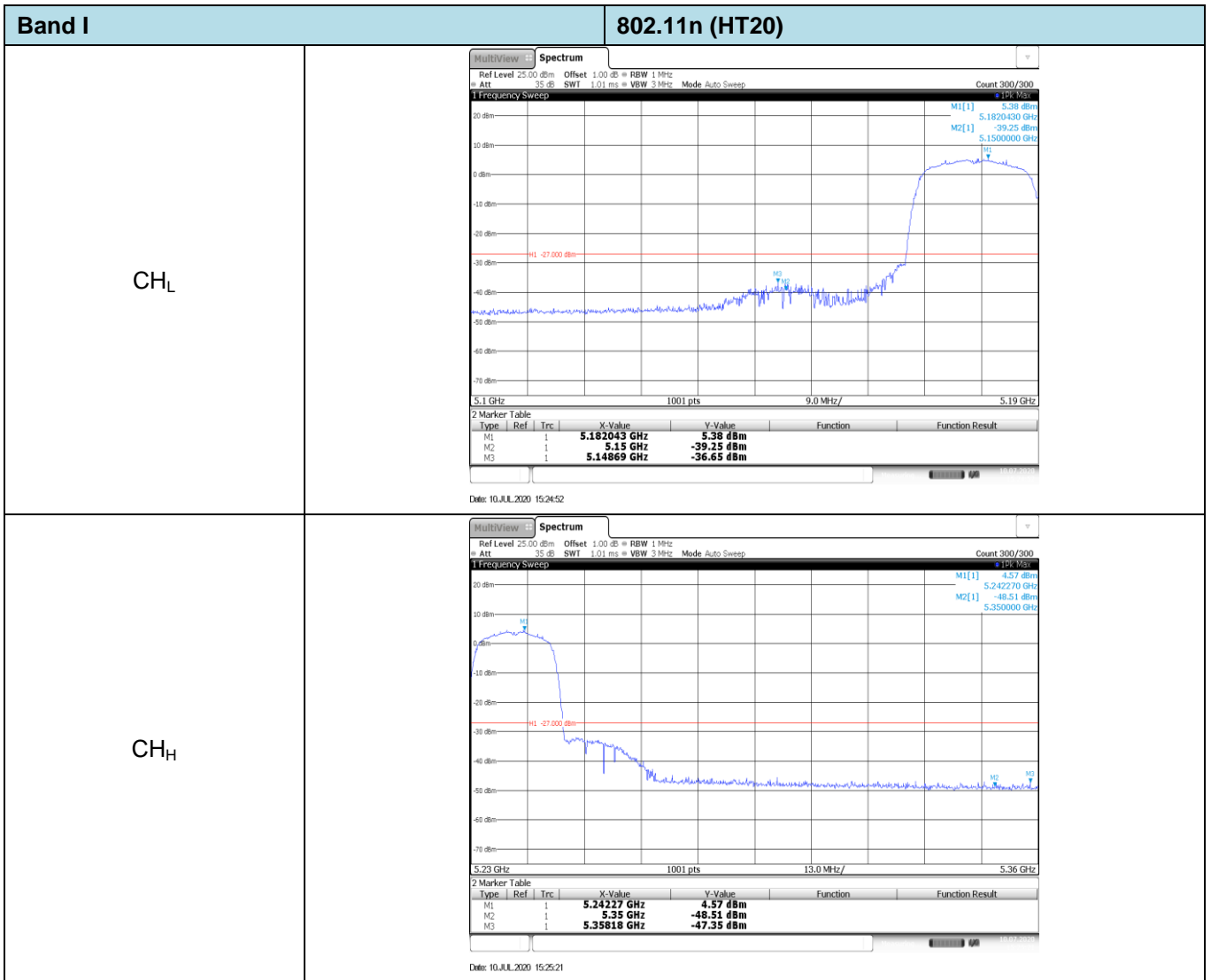
CH_M

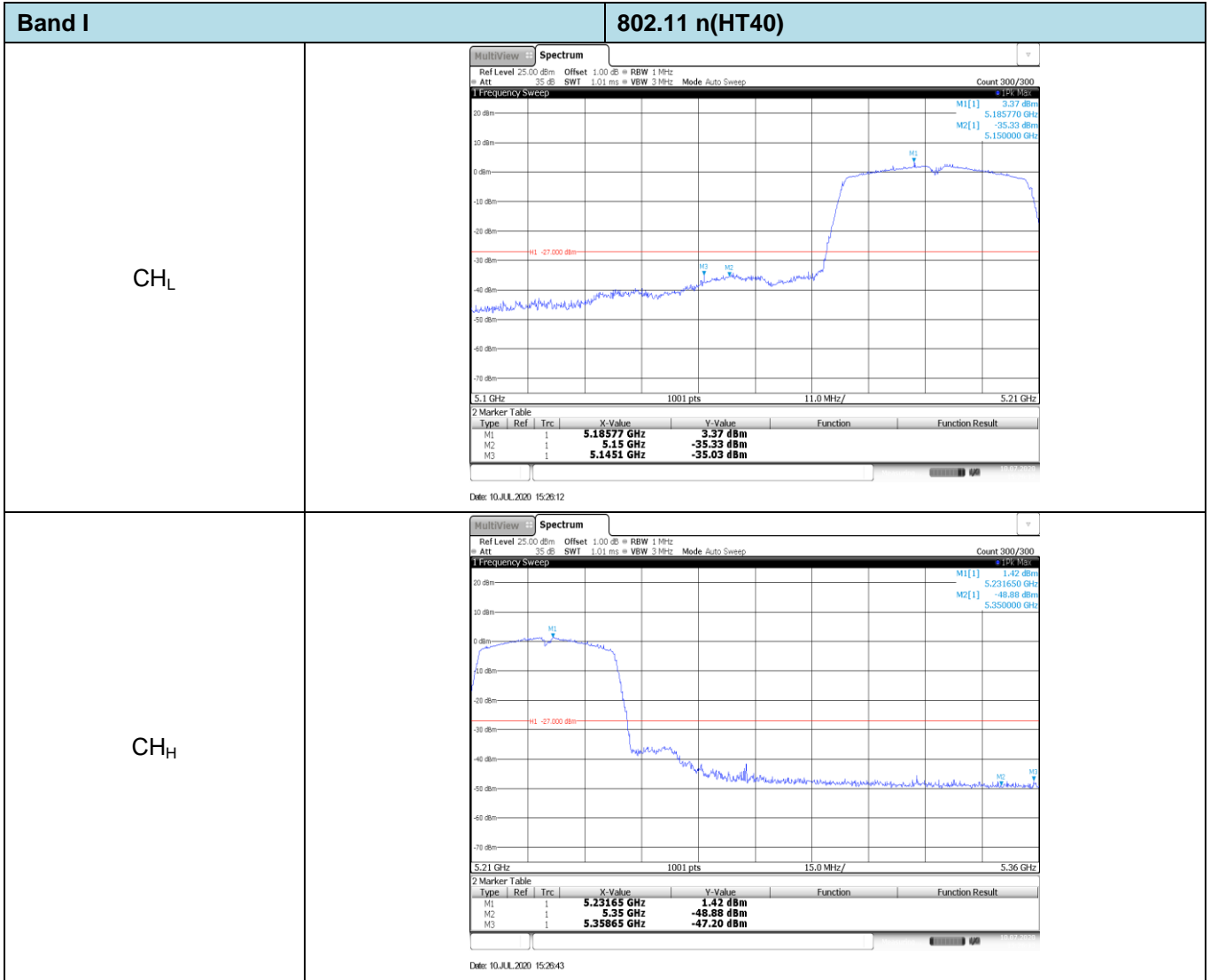


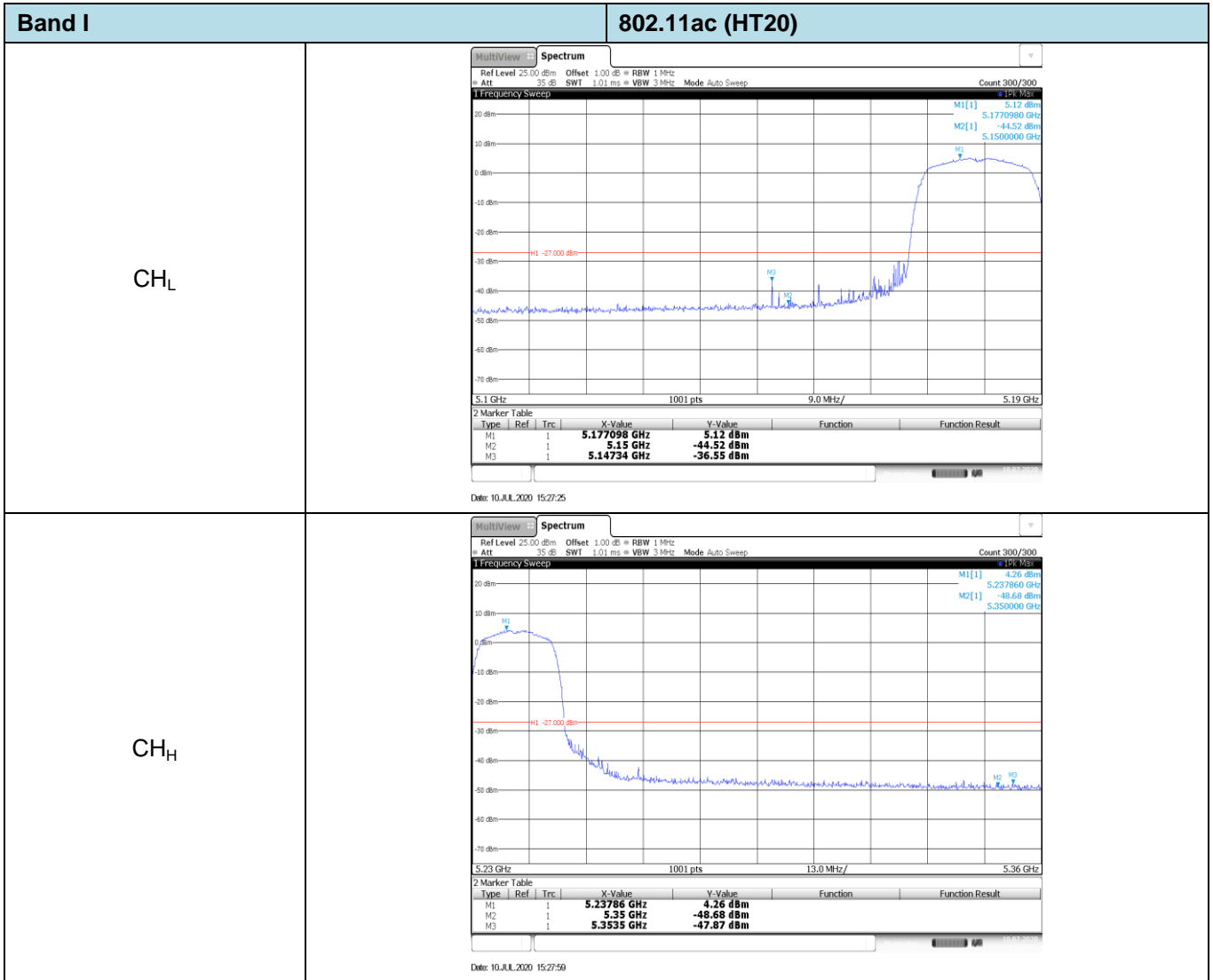
Date: 8.JUL.2020 15:06:31

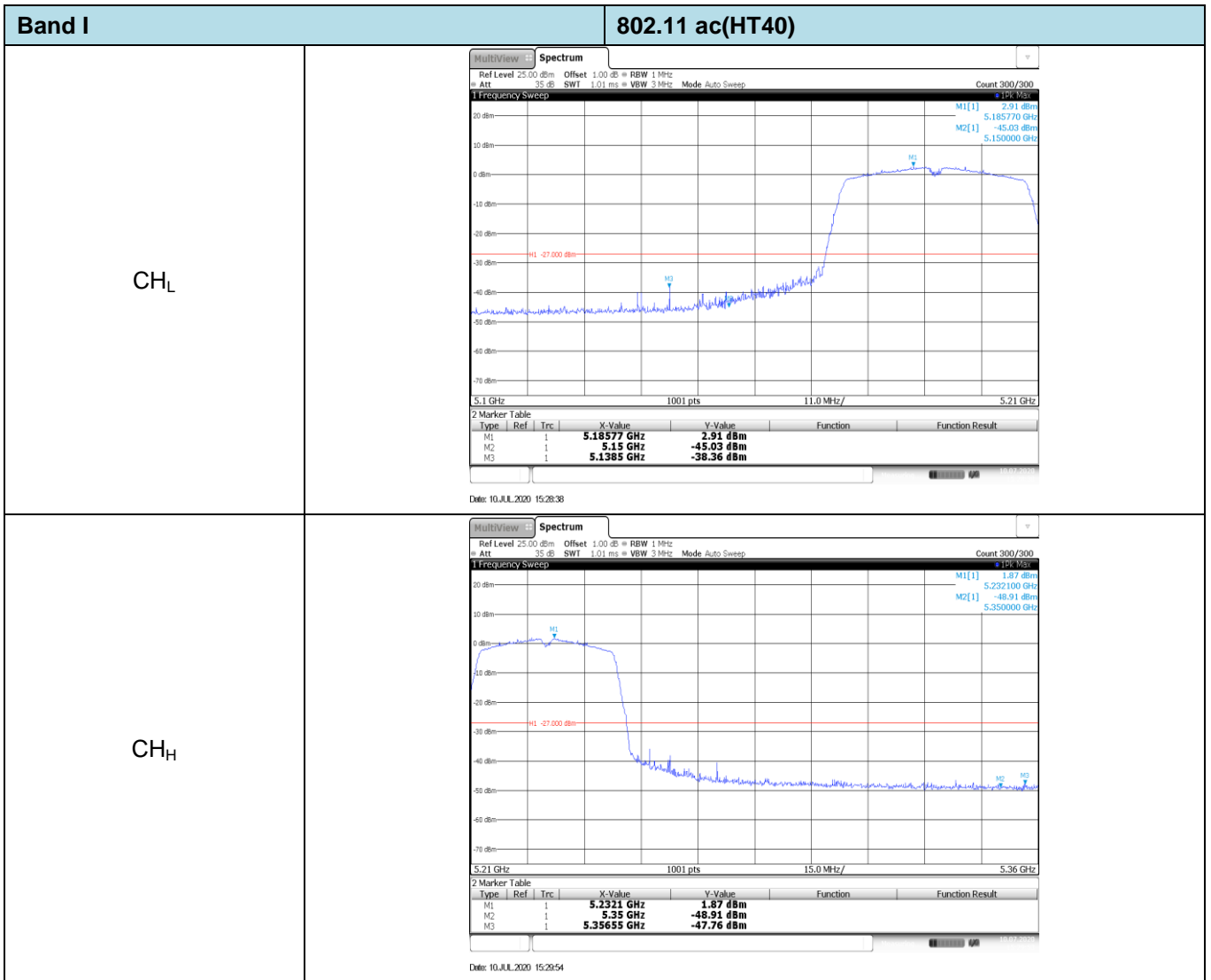
Appendix F: Band edge







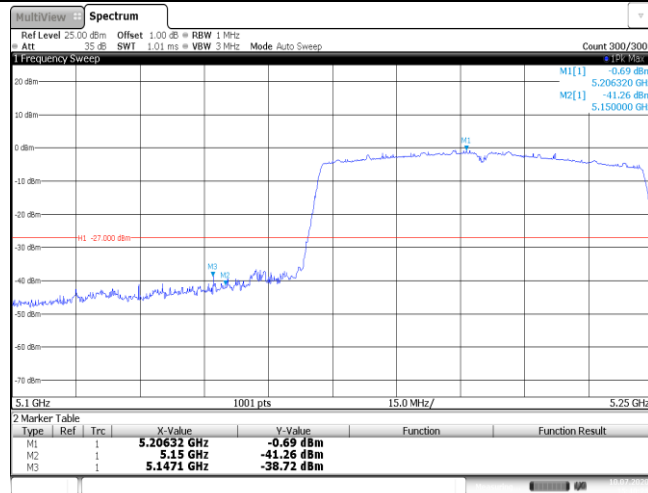




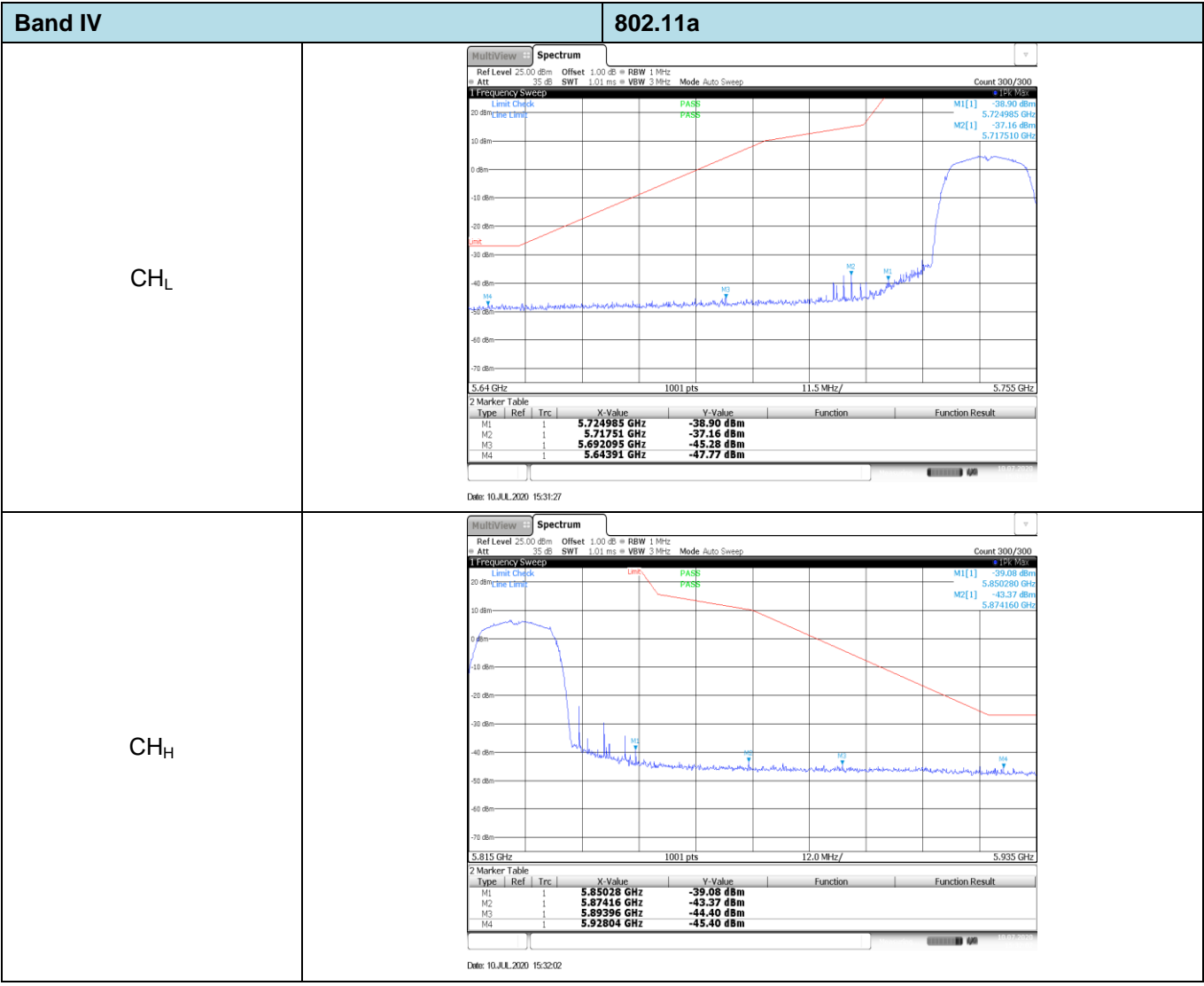
Band I

802.11 ac(HT80)

CH_L



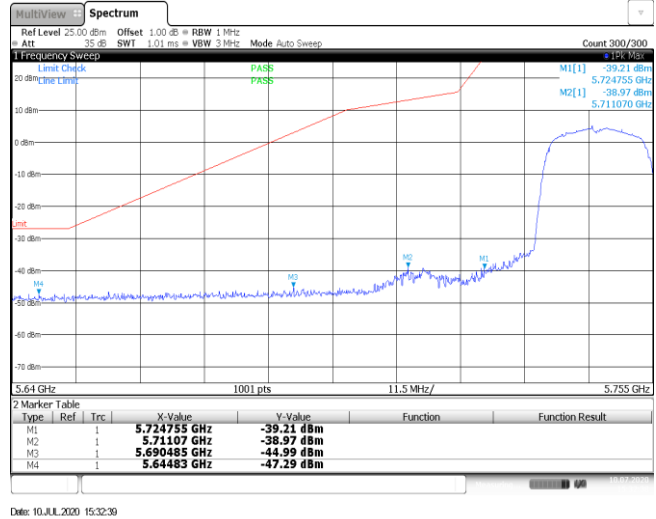
Date: 10.JUL.2020 15:40:25



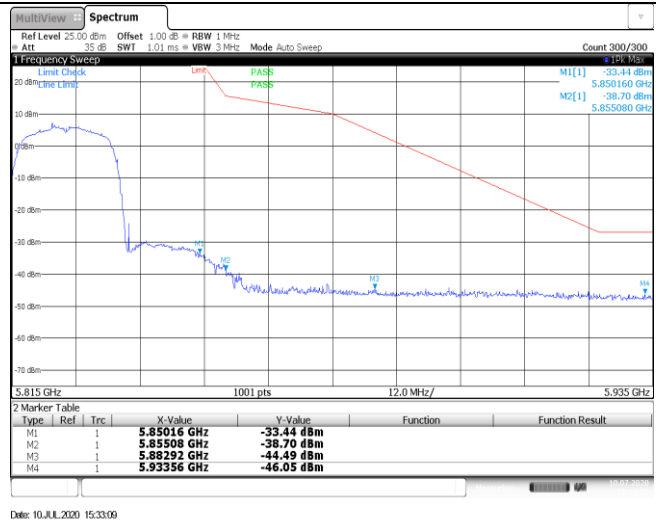
Band IV

802.11n (HT20)

CH_L



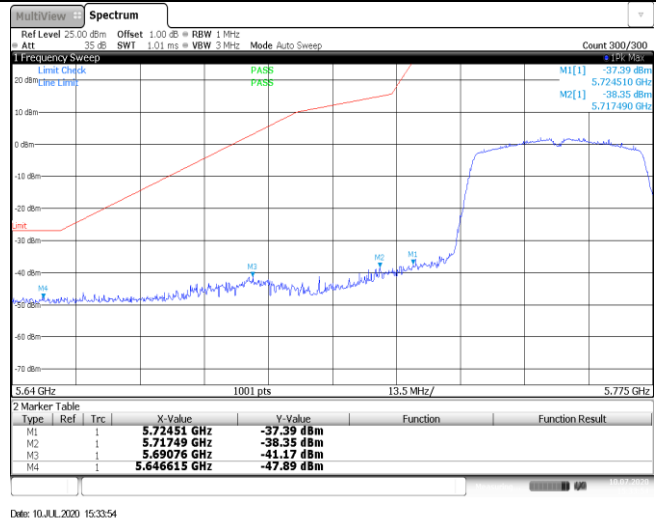
CH_H



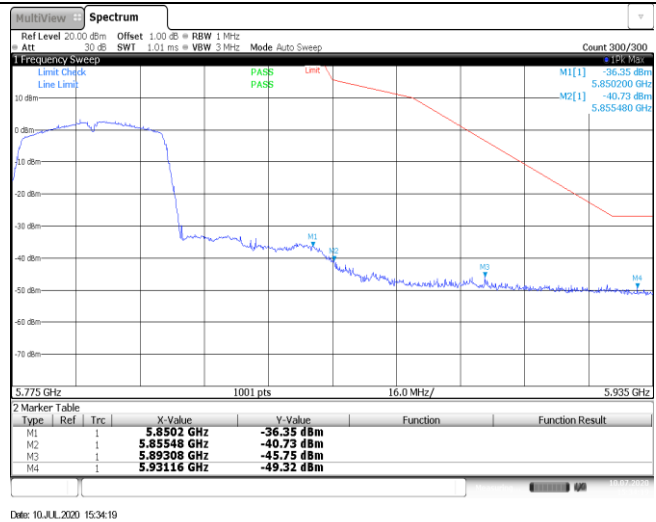
Band IV

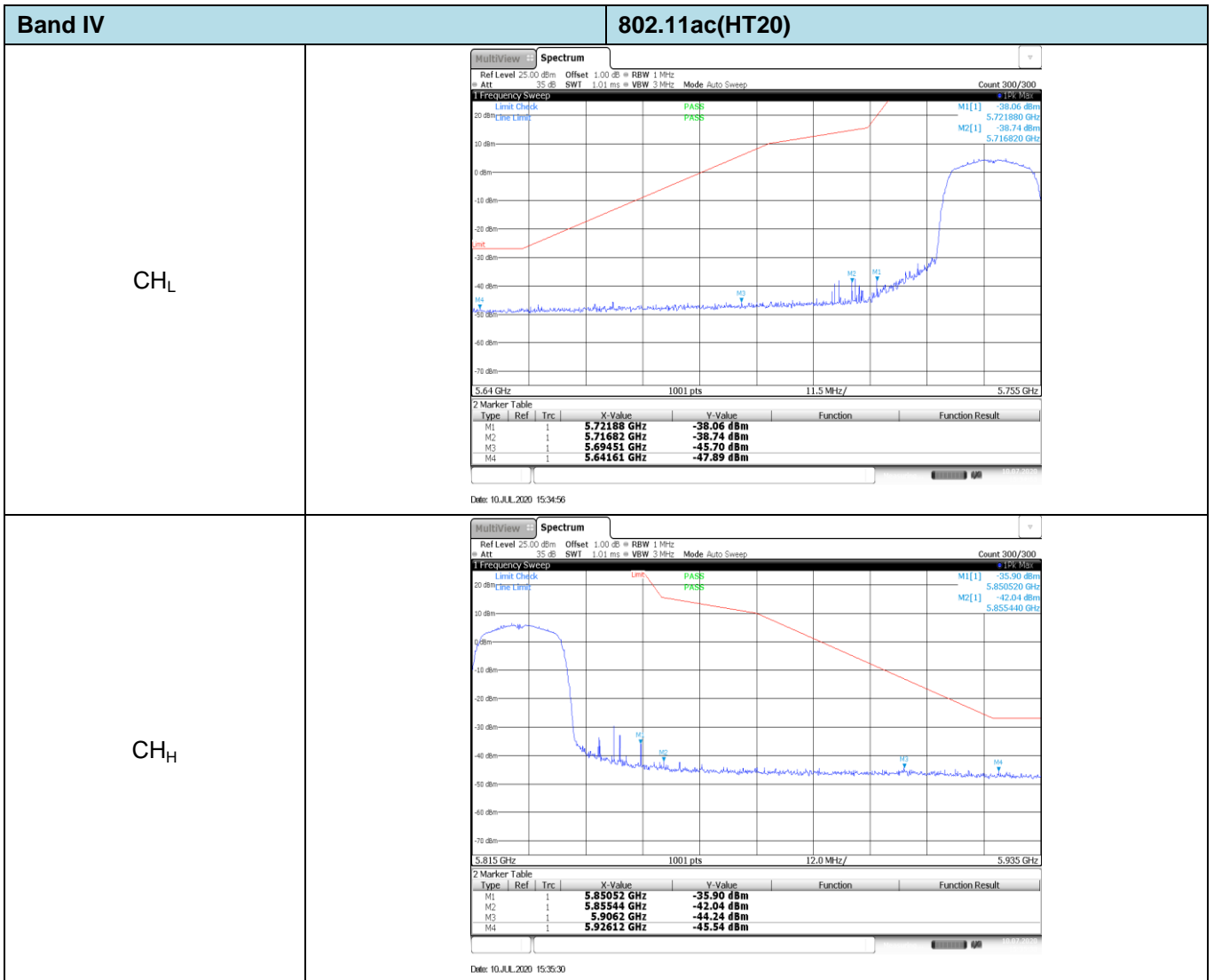
802.11 n(HT40)

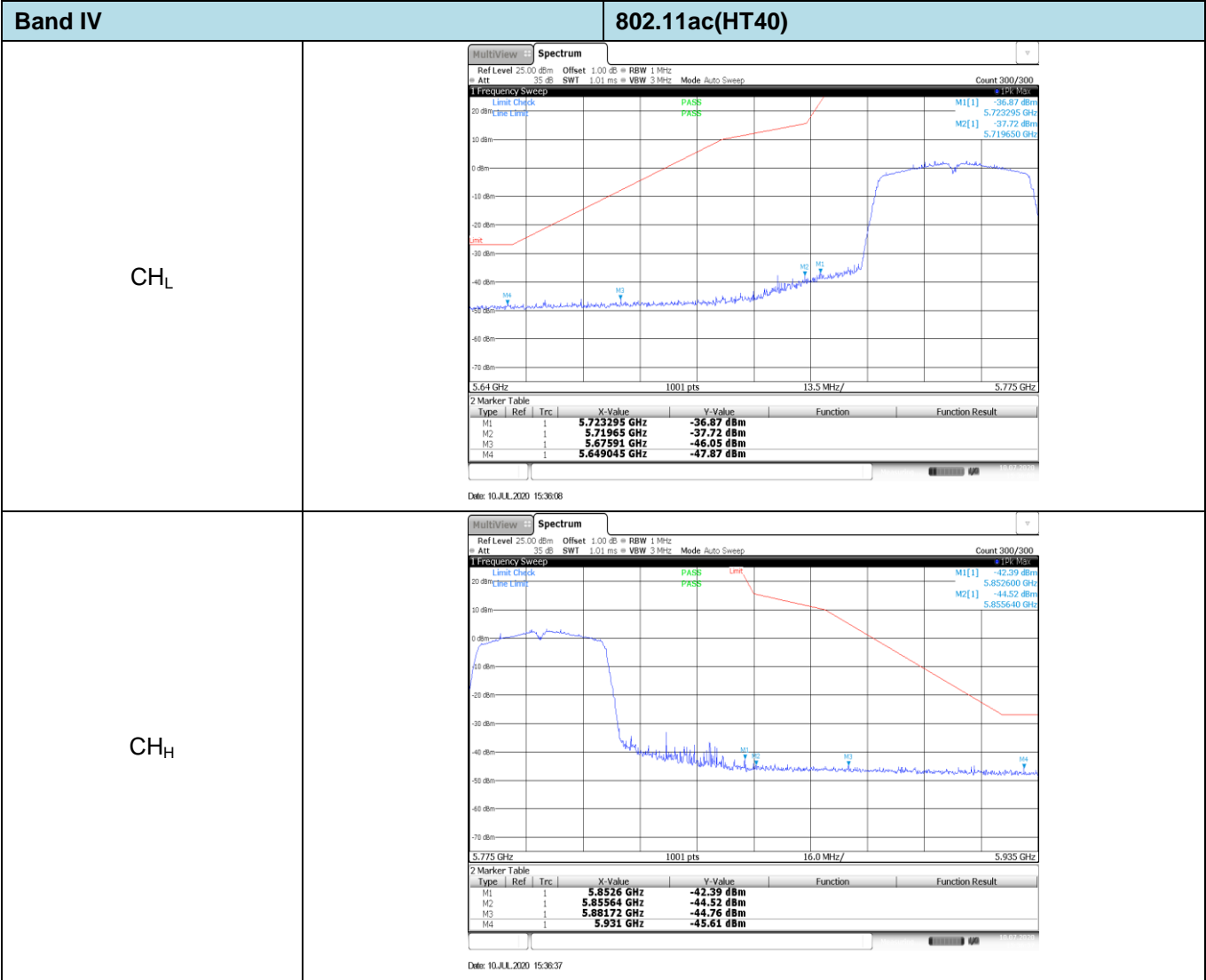
CH_L



CH_H



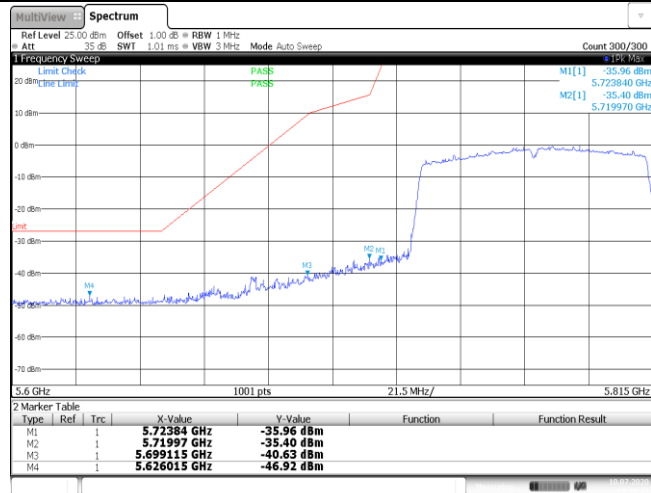




Band IV

802.11ac(HT80)

CH_L



Date: 10.JUL.2020 15:38:47

Appendix G: Frequency stability**Voltage VS Frequency stability**

Band: I			Test Frequency: 5180.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T _N	V _L	72900.00	14.07336	PASS
T _N	V _N	73900.00	14.26641	PASS
T _N	V _H	72900.00	14.07336	PASS

Band: IV			Test Frequency: 5745.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T _N	V _L	79900.00	13.90775	PASS
T _N	V _N	80900.00	14.08181	PASS
T _N	V _H	79900.00	13.90775	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	71900.00	13.88031	PASS
V _N	-10	71900.00	13.88031	PASS
V _N	0	71900.00	13.88031	PASS
V _N	10	71900.00	13.88031	PASS
V _N	20	71900.00	13.88031	PASS
V _N	30	71900.00	13.88031	PASS
V _N	40	71900.00	13.88031	PASS
V _N	50	71900.00	13.88031	PASS

Band: IV			Test Frequency: 5745.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	79900.00	13.90775	PASS
V _N	-10	79900.00	13.90775	PASS
V _N	0	79900.00	13.90775	PASS
V _N	10	79900.00	13.90775	PASS
V _N	20	79900.00	13.90775	PASS
V _N	30	79900.00	13.90775	PASS
V _N	40	79900.00	13.90775	PASS
V _N	50	79900.00	13.90775	PASS

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