

APPENDIX REPORT

Project No.	SHT2008051701EW	Radio Specification	WIFI 5G
Test sample No.	YPHT20080517004	Model No.	CN6Q15
Start test date	2020/8/25	Finish date	2020/8/25
Temperature	25°C	Humidity	50%
Test Engineer	Jiongsheng.Feng	Auditor	Xiaodong Zheo

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	15.56	100	0	15.56	24.00	Pass
			CH _M	14.70	100	0	14.70		
			CH _H	14.02	100	0	14.02		
		802.11n	CH _L	15.53	100	0	15.53	24.00	Pass
			CH _M	14.06	100	0	14.06		
			CH _H	14.53	100	0	14.53		
		802.11a	CH _L	16.06	100	0	16.06	24.00	Pass
			CH _M	14.16	100	0	14.16		
			CH _H	13.88	100	0	13.88		
	40	802.11ac	CH _L	16.20	100	0	16.20	24.00	Pass
			CH _H	14.20	100	0	14.20		
		802.11n	CH _L	15.95	100	0	15.95	24.00	Pass
CH _H			14.31	100	0	14.31			
80	802.11ac	CH _M	13.30	100	0	13.30	24.00	Pass	
II	20	802.11ac	CH _L	15.93	100	0	15.93	24.00	Pass
			CH _M	16.28	100	0	16.28		
			CH _H	16.01	100	0	16.01		
		802.11n	CH _L	17.06	100	0	17.06	24.00	Pass
			CH _M	16.24	100	0	16.24		
			CH _H	16.08	100	0	16.08		
		802.11a	CH _L	15.62	100	0	15.62	24.00	Pass
			CH _M	17.33	100	0	17.33		
			CH _H	16.88	100	0	16.88		
	40	802.11ac	CH _L	15.46	100	0	15.46	24.00	Pass
			CH _H	14.85	100	0	14.85		
		802.11n	CH _L	15.44	100	0	15.44	24.00	Pass
CH _H			15.31	100	0	15.31			
80	802.11ac	CH _M	14.99	100	0	14.99	24.00	Pass	

Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Conducted Output Power (dBm)	Limit (dBm)	Result
III	20	802.11ac	CH _L	13.52	100	0	13.52	24.00	Pass
			CH _M	12.97	100	0	12.97		
			CH _H	12.41	100	0	12.41		
		802.11n	CH _L	14.05	100	0	14.05	24.00	Pass
			CH _M	13.96	100	0	13.96		
			CH _H	13.18	100	0	13.18		
		802.11a	CH _L	13.86	100	0	13.86	24.00	Pass
			CH _M	13.92	100	0	13.92		
			CH _H	13.42	100	0	13.42		
	40	802.11ac	CH _L	13.99	100	0	13.99	24.00	Pass
			CH _M	13.34	100	0	13.34		
			CH _H	13.40	100	0	13.40		
		802.11n	CH _L	12.49	100	0	12.49	24.00	Pass
			CH _M	13.04	100	0	13.04		
			CH _H	12.55	100	0	12.55		
80	802.11ac	CH _L	12.30	100	0	12.30	24.00	Pass	
		CH _M	12.51	100	0	12.51			
		CH _H	12.14	100	0	12.14			
IV	20	802.11ac	CH _L	14.67	100	0	14.67	30.00	Pass
			CH _M	14.06	100	0	14.06		
			CH _H	13.80	100	0	13.80		
		802.11n	CH _L	14.55	100	0	14.55	30.00	Pass
			CH _M	13.94	100	0	13.94		
			CH _H	13.70	100	0	13.70		
		802.11a	CH _L	14.18	100	0	14.18	30.00	Pass
			CH _M	13.91	100	0	13.91		
			CH _H	13.86	100	0	13.86		
	40	802.11ac	CH _L	13.45	100	0	13.45	30.00	Pass
			CH _H	13.85	100	0	13.85		
		802.11n	CH _L	13.04	100	0	13.04	30.00	Pass
			CH _H	12.90	100	0	12.90		
	80	802.11ac	CH _M	12.68	100	0	12.68	30.00	Pass

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

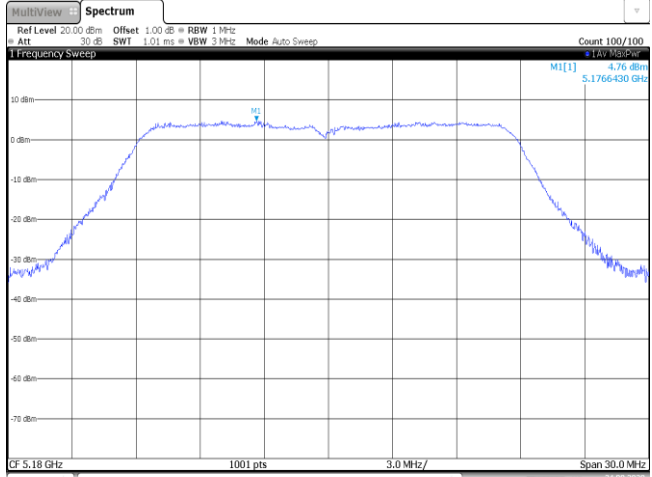
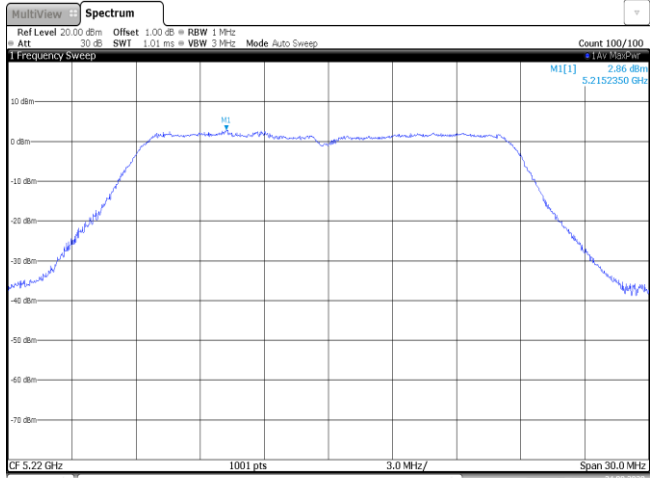
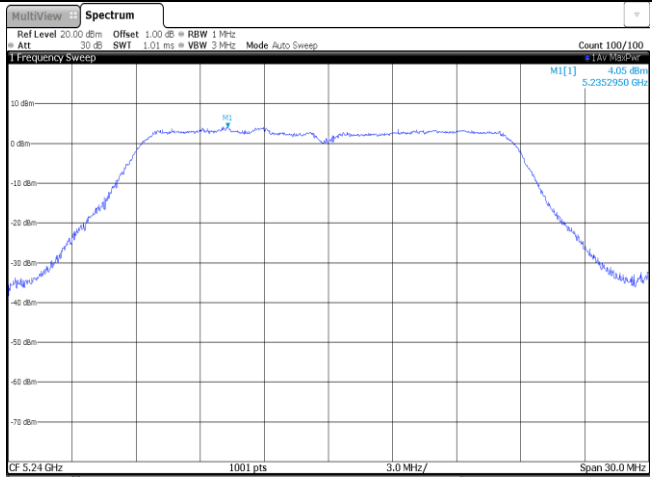
Appendix B: Maximum Power Spectral Density

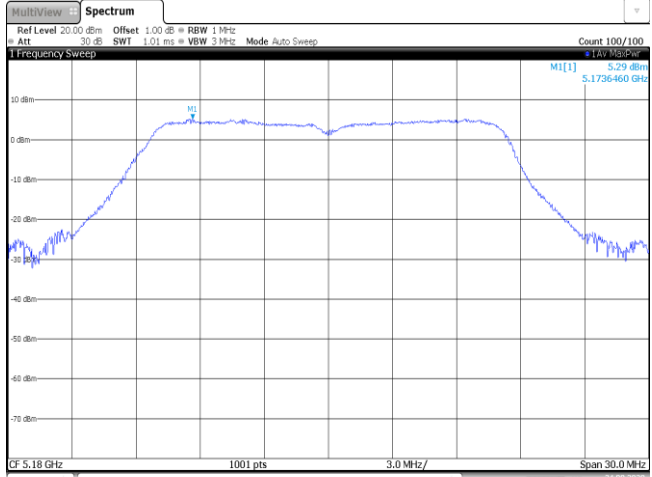
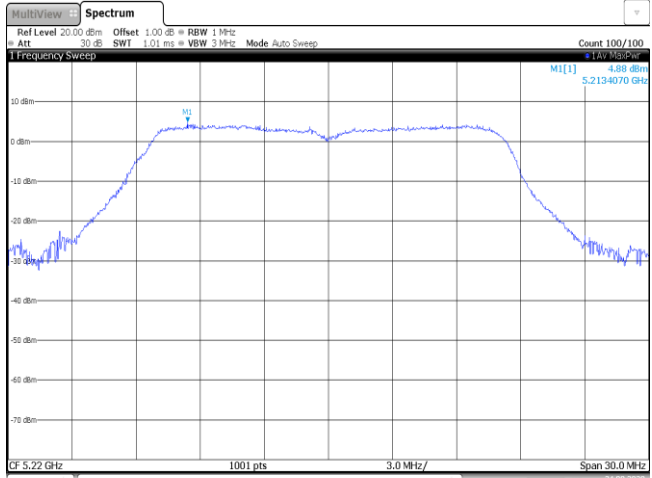
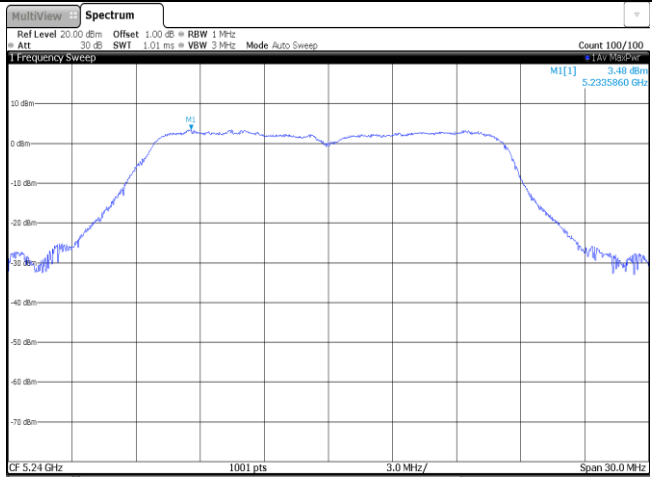
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
I	20	802.11ac	CH _L	5.17	100	0	5.17	11.00	Pass
			CH _M	4.21	100	0	4.21		
			CH _H	3.47	100	0	3.47		
		802.11n	CH _L	4.76	100	0	4.76	11.00	Pass
			CH _M	2.86	100	0	2.86		
			CH _H	4.05	100	0	4.05		
	802.11a	CH _L	5.29	100	0	5.29	11.00	Pass	
		CH _M	4.88	100	0	4.88			
		CH _H	3.48	100	0	3.48			
	40	802.11ac	CH _L	2.47	100	0	2.47	11.00	Pass
			CH _H	0.37	100	0	0.37		
		802.11n	CH _L	2.19	100	0	2.19	11.00	Pass
CH _H			0.73	100	0	0.73			
80	802.11ac	CH _M	-2.64	100	0	-2.64	11.00	Pass	
II	20	802.11ac	CH _L	5.39	100	0	5.39	11.00	Pass
			CH _M	5.40	100	0	5.40		
			CH _H	5.48	100	0	5.48		
		802.11n	CH _L	5.83	100	0	5.83	11.00	Pass
			CH _M	5.71	100	0	5.71		
			CH _H	6.20	100	0	6.20		
	802.11a	CH _L	5.11	100	0	5.11	11.00	Pass	
		CH _M	6.65	100	0	6.65			
		CH _H	6.47	100	0	6.47			
	40	802.11ac	CH _L	1.69	100	0	1.69	11.00	Pass
			CH _H	1.58	100	0	1.58		
		802.11n	CH _L	2.14	100	0	2.14	11.00	Pass
CH _H			1.71	100	0	1.71			
80	802.11ac	CH _M	-1.13	100	0	-1.13	11.00	Pass	

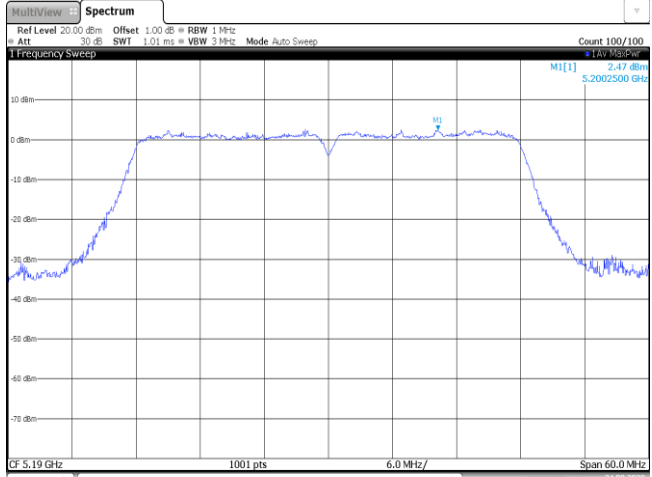
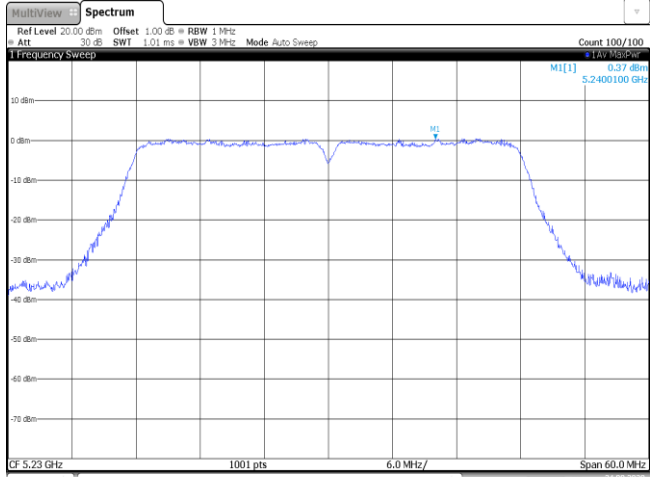
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)	Result
III	20	802.11ac	CH _L	2.84	100	0	2.84	11.00	Pass
			CH _M	2.05	100	0	2.05		
			CH _H	1.92	100	0	1.92		
		802.11n	CH _L	3.32	100	0	3.32	11.00	Pass
			CH _M	2.99	100	0	2.99		
			CH _H	2.44	100	0	2.44		
		802.11a	CH _L	3.91	100	0	3.91	11.00	Pass
			CH _M	3.48	100	0	3.48		
			CH _H	2.82	100	0	2.82		
	40	802.11ac	CH _L	0.51	100	0	0.51	11.00	Pass
			CH _M	-0.53	100	0	-0.53		
			CH _H	-0.13	100	0	-0.13		
		802.11n	CH _L	-0.90	100	0	-0.90	11.00	Pass
			CH _M	-0.69	100	0	-0.69		
			CH _H	-1.06	100	0	-1.06		
80	802.11ac	CH _L	-3.45	100	0	-3.45	11.00	Pass	
		CH _M	-3.17	100	0	-3.17			
		CH _H	-4.02	100	0	-4.02			
Band	Bandwidth (MHz)	Type	Channel	Reading (dBm)	Duty cycle (%)	Duty cycle factor (dB)	Power Spectral Density (dBm/500kHz)	Limit (dBm/500KHz)	Result
IV	20	802.11ac	CH _L	2.26	100	0	2.26	30.00	Pass
			CH _M	2.44	100	0	2.44		
			CH _H	1.86	100	0	1.86		
		802.11n	CH _L	2.09	100	0	2.09	30.00	Pass
			CH _M	2.14	100	0	2.14		
			CH _H	1.70	100	0	1.70		
		802.11a	CH _L	2.13	100	0	2.13	30.00	Pass
			CH _M	2.18	100	0	2.18		
			CH _H	1.72	100	0	1.72		
	40	802.11ac	CH _L	-1.31	100	0	-1.31	30.00	Pass
			CH _H	-0.79	100	0	-0.79		
		802.11n	CH _L	-2.31	100	0	-2.31	30.00	Pass
			CH _H	-1.89	100	0	-1.89		
	80	802.11ac	CH _M	-4.84	100	0	-4.84	30.00	Pass

Test plot as follows:

Band I		802.11ac (HT20)
CH _L	<p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att -30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep T Frequency Sweep M1 5.17 dBm 5.1750850 GHz CF 5.18 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 24/AUG/2020 14:56:00</p>	
CH _M	<p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att -30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep T Frequency Sweep M1 4.21 dBm 5.2152950 GHz CF 5.22 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 24/AUG/2020 14:57:23</p>	
CH _H	<p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att -30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep T Frequency Sweep M1 3.47 dBm 5.2352950 GHz CF 5.24 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 24/AUG/2020 15:00:44</p>	

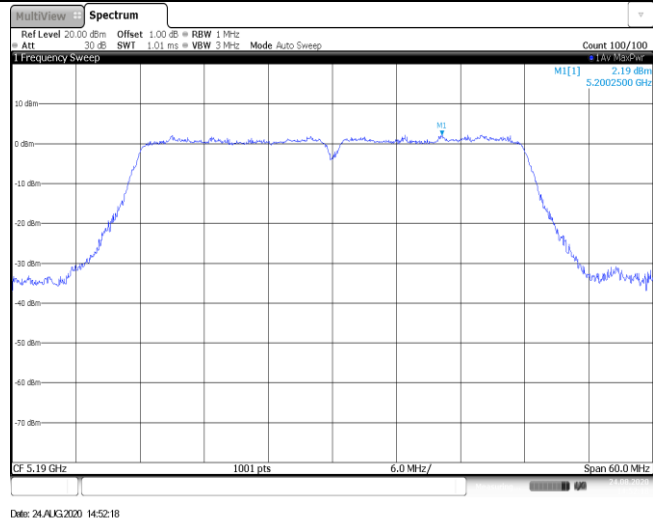
Band I		802.11n (HT20)
CH _L	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1(1) 4.76 dBm 5.1766430 GHz CF 5.18 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 24.AUG.2020 14:31:49</p>	
CH _M	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1(1) 2.86 dBm 5.2152350 GHz CF 5.22 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 24.AUG.2020 14:45:49</p>	
CH _H	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1(1) 4.05 dBm 5.2352950 GHz CF 5.24 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 24.AUG.2020 14:50:24</p>	

Band I		802.11a
CH _L	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1(1) 5.29 dBm 5.1796460 GHz CF 5.18 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 24.AUG.2020 14:28:36</p>	
CH _M	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1(1) 4.88 dBm 5.2134070 GHz CF 5.22 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 24.AUG.2020 14:30:51</p>	
CH _H	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1(1) 3.48 dBm 5.2335860 GHz CF 5.24 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 24.AUG.2020 14:33:10</p>	

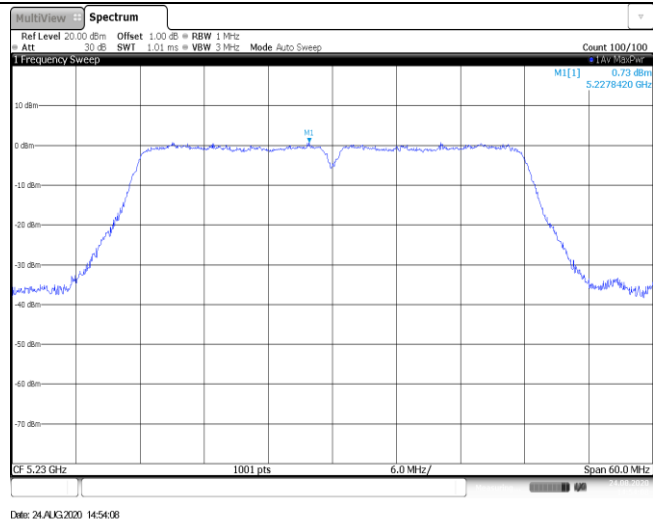
Band I		802.11ac (HT40)
CH _L	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep 1 Frequency Sweep M1[1] 2.47 dBm 5.2002500 GHz CF 5.19 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 24.AUG.2020 15:02:03</p>	
CH _H	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep 1 Frequency Sweep M1[1] 0.37 dBm 5.2400100 GHz CF 5.23 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 24.AUG.2020 15:03:17</p>	

Band I **802.11n (HT40)**

CH_L

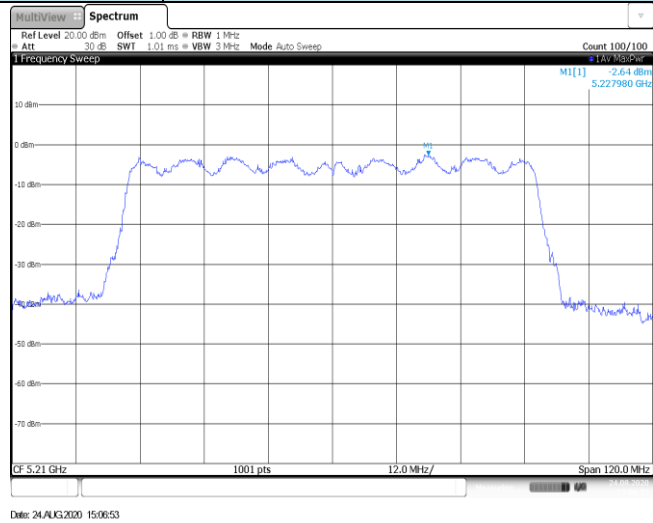


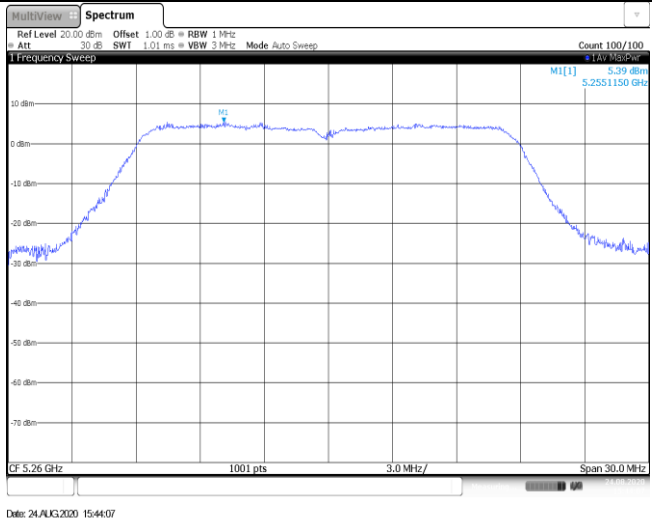
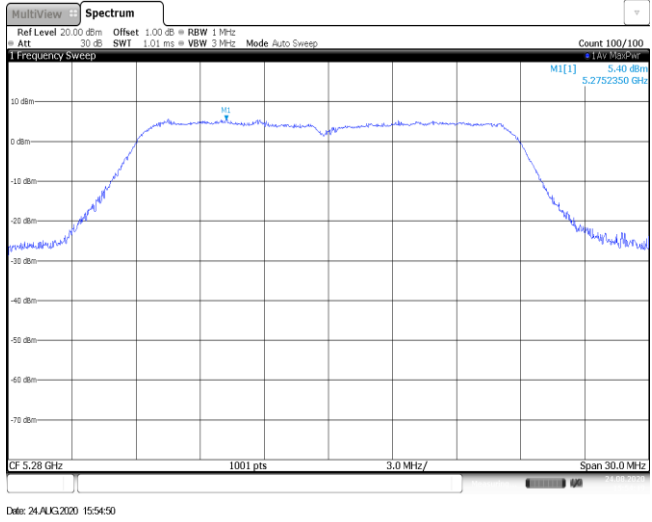
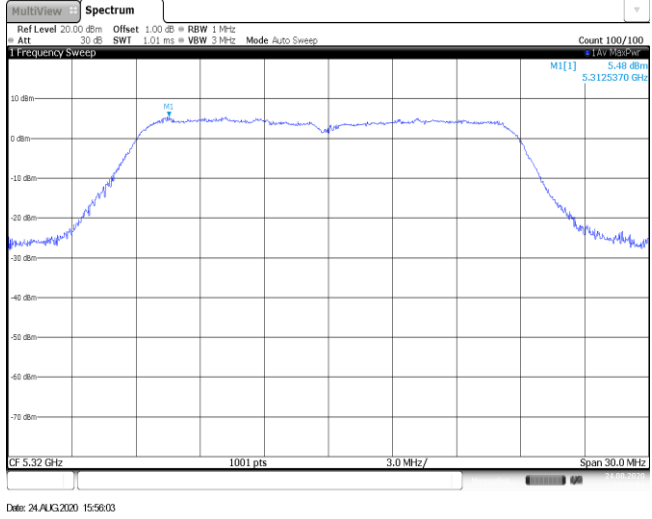
CH_H



Band I **802.11ac (HT80)**

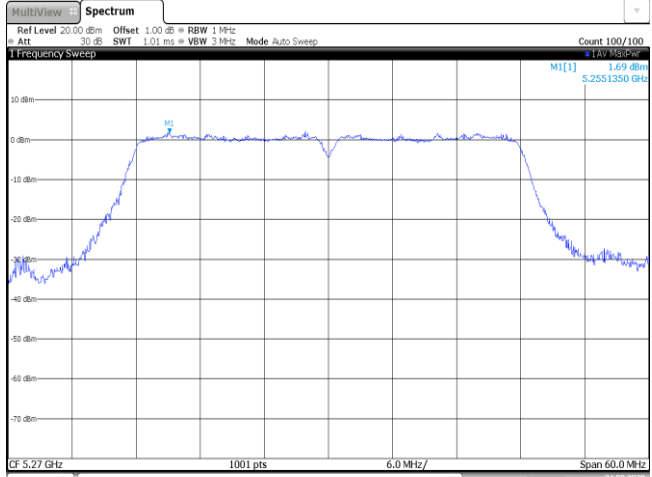
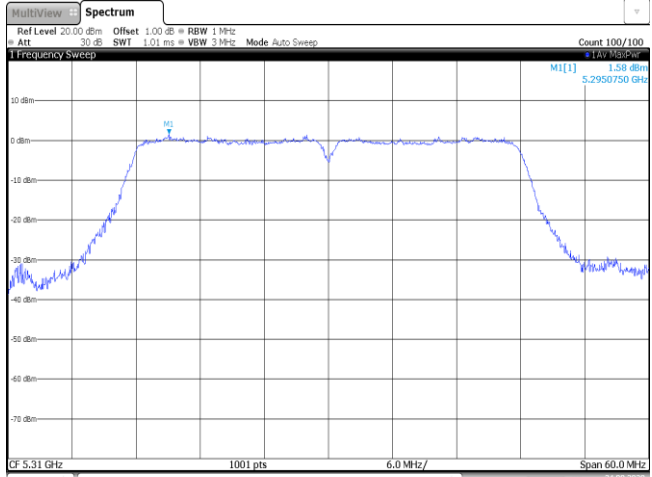
CH_M



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

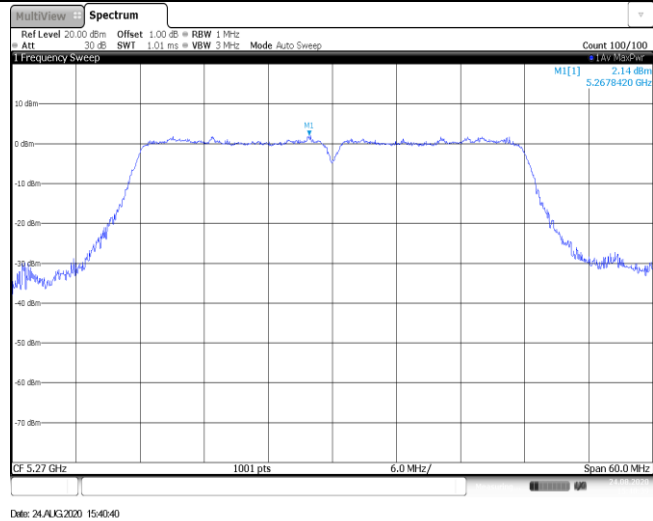
Band II		802.11n (HT20)
CH _L	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep MI(1) 5.83 dBm 5.2568530 GHz CF 5.26 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 24.AUG.2020 15:31:06</p>	
CH _M	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep MI(1) 5.71 dBm 5.2751750 GHz CF 5.28 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 24.AUG.2020 15:32:40</p>	
CH _H	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep MI(1) 6.20 dBm 5.3151450 GHz CF 5.32 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 24.AUG.2020 15:34:07</p>	

Band II		802.11a
CH _L	<p>The spectrum plot for channel CH_L shows a signal centered at 5.26 GHz. The peak level is 5.11 dBm. The plot includes parameters: Ref Level 20.00 dBm, Offset 1.00 dB, RBW 1 MHz, Att 30 dB, SWF 1.01 ms, VBW 3 MHz, Mode Auto Sweep, Count 100/100, and Span 30.0 MHz.</p>	
CH _M	<p>The spectrum plot for channel CH_M shows a signal centered at 5.28 GHz. The peak level is 6.65 dBm. The plot includes parameters: Ref Level 20.00 dBm, Offset 1.00 dB, RBW 1 MHz, Att 30 dB, SWF 1.01 ms, VBW 3 MHz, Mode Auto Sweep, Count 100/100, and Span 30.0 MHz.</p>	
CH _H	<p>The spectrum plot for channel CH_H shows a signal centered at 5.32 GHz. The peak level is 6.47 dBm. The plot includes parameters: Ref Level 20.00 dBm, Offset 1.00 dB, RBW 1 MHz, Att 30 dB, SWF 1.01 ms, VBW 3 MHz, Mode Auto Sweep, Count 100/100, and Span 30.0 MHz.</p>	

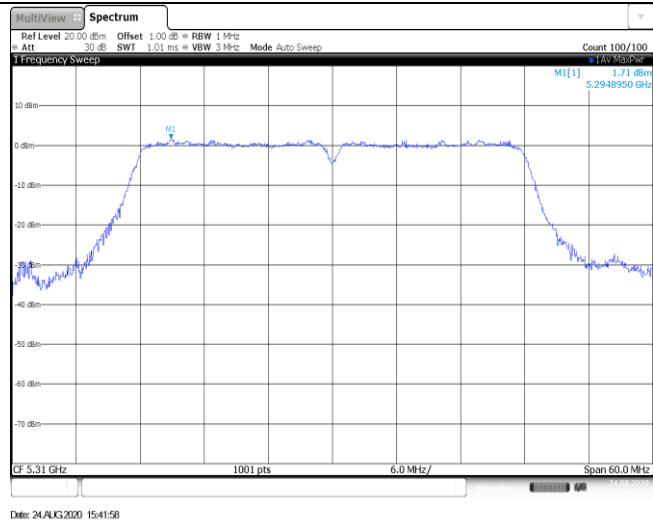
Band II		802.11ac (HT40)
CH _L	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep 1 Frequency Sweep M1[1] 1.69 dBm 5.2551350 GHz CF 5.27 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 24.AUG.2020 15:57:50</p>	
CH _H	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep 1 Frequency Sweep M1[1] 1.58 dBm 5.2950750 GHz CF 5.31 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 24.AUG.2020 15:58:10</p>	

Band II **802.11n (HT40)**

CH_L

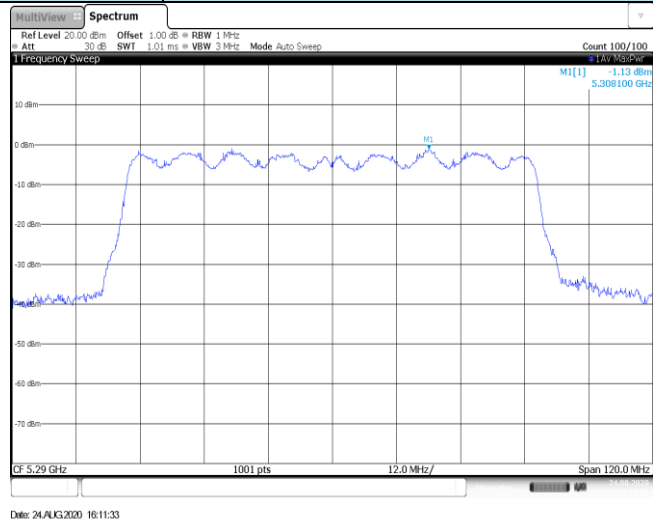


CH_H



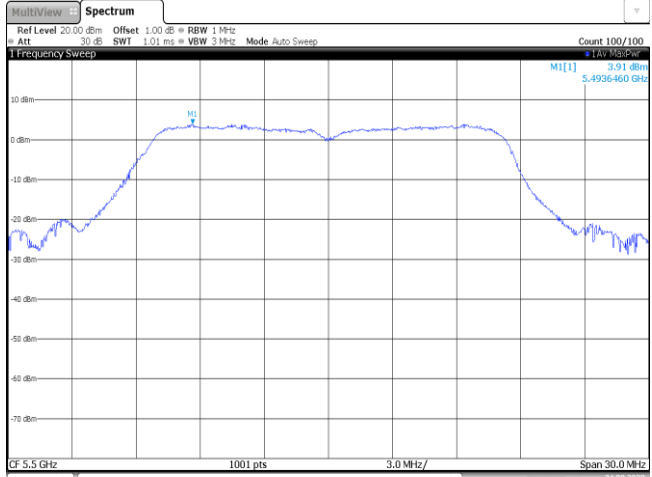
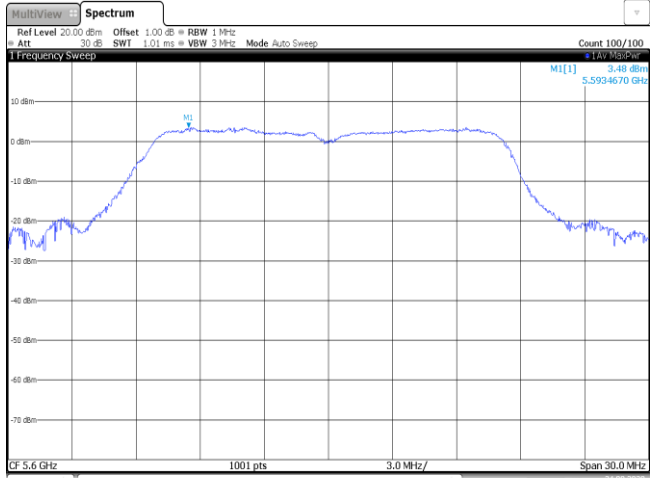
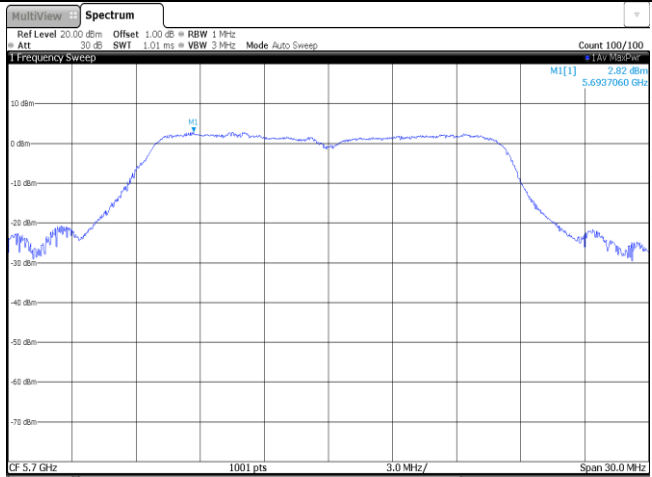
Band II **802.11ac (HT80)**

CH_M



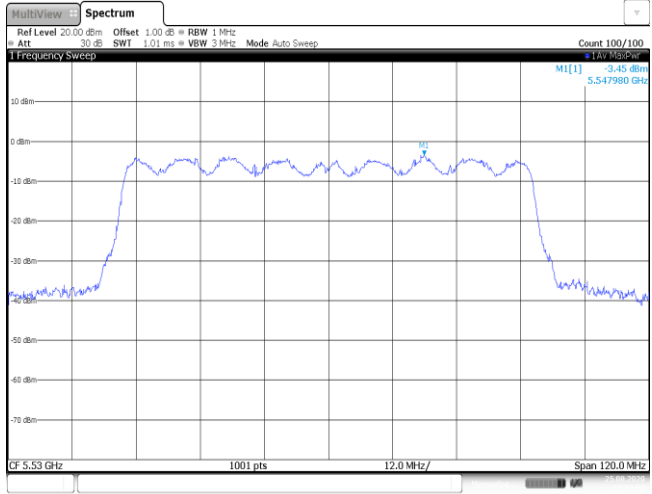
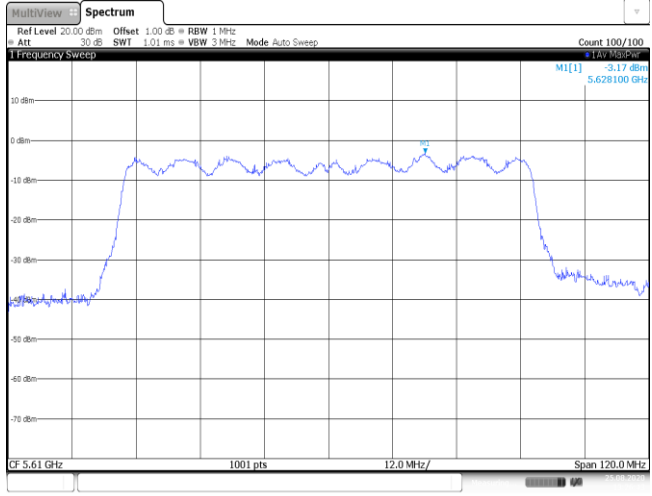
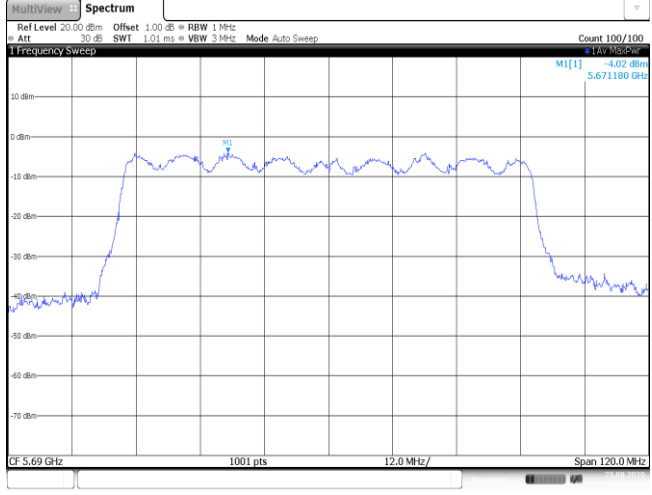
Band III		802.11ac (HT20)
CH _L		
CH _M		
CH _H		

Band III		802.11n (HT20)
CH _L		
CH _M		
CH _H		

Band III		802.11a
CH _L		
CH _M		
CH _H		

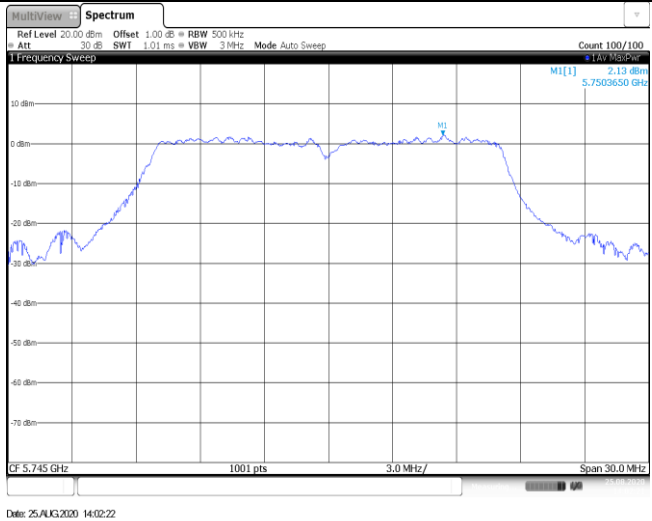
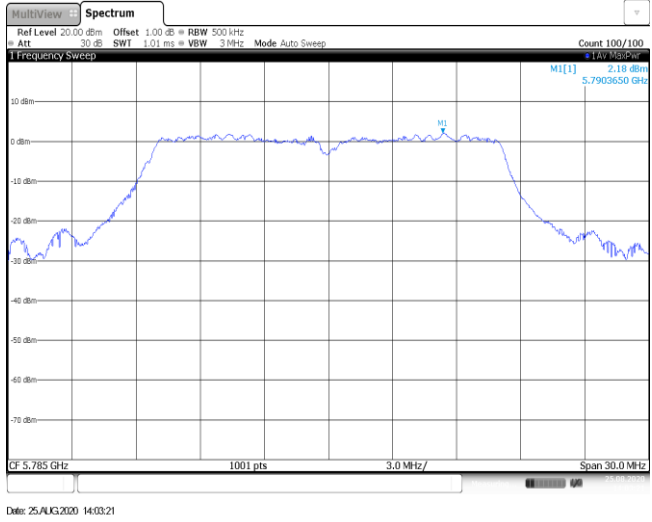
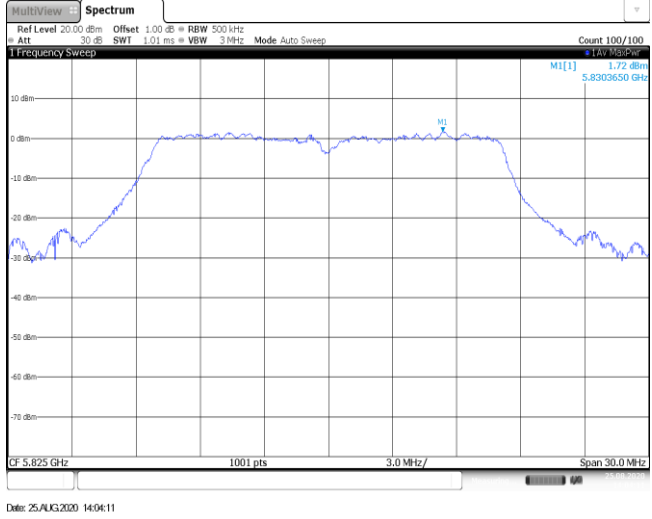
Band III		802.11ac (HT40)
CH _L	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att 30 dB SWT 1.01 ms VSW 3 MHz Mode Auto Sweep M1[1] 0.51 dBm 5.4948950 GHz CF 5.51 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 25/AUG/2020 10:44:28</p>	
CH _M	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att 30 dB SWT 1.01 ms VSW 3 MHz Mode Auto Sweep M1[1] -0.53 dBm 5.5879620 GHz CF 5.59 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 25/AUG/2020 11:38:37</p>	
CH _H	<p>Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att 30 dB SWT 1.01 ms VSW 3 MHz Mode Auto Sweep M1[1] -0.13 dBm 5.6548950 GHz CF 5.67 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 25/AUG/2020 13:22:05</p>	

Band III		802.11n (HT40)
CH _L	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep 1 Frequency Sweep M1(1) -0.90 dBm 5.4950750 GHz CF 5.51 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 24.AUG.2020 16:56:17 </p>	
CH _M	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep 1 Frequency Sweep M1(1) -0.69 dBm 5.5878420 GHz CF 5.59 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 24.AUG.2020 16:59:42 </p>	
CH _H	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Count 100/100 Att 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep 1 Frequency Sweep M1(1) -1.06 dBm 5.6549550 GHz CF 5.67 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 24.AUG.2020 17:03:44 </p>	

Band III		802.11ac (HT80)
CH _L	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] -3.45 dBm 5.547980 GHz GF 5.53 GHz 1001 pts 12.0 MHz/ Span 120.0 MHz Date: 25/AUG/200 13:24:08</p>	
CH _M	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] -3.17 dBm 5.628100 GHz GF 5.61 GHz 1001 pts 12.0 MHz/ Span 120.0 MHz Date: 25/AUG/200 13:26:43</p>	
CH _H	 <p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 1 MHz Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1[1] -4.02 dBm 5.671180 GHz GF 5.69 GHz 1001 pts 12.0 MHz/ Span 120.0 MHz Date: 25/AUG/200 13:28:23</p>	

Band IV		802.11ac (HT20)
CH _L	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz ATT 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MI(1) 2.26 dBm 5.7401150 GHz CF 5.745 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 25/AUG/2020 14:10:11 </p>	
CH _M	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz ATT 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MI(1) 2.44 dBm 5.7801450 GHz CF 5.785 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 25/AUG/2020 14:10:56 </p>	
CH _H	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz ATT 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep MI(1) 1.86 dBm 5.8201450 GHz CF 5.825 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 25/AUG/2020 14:11:46 </p>	

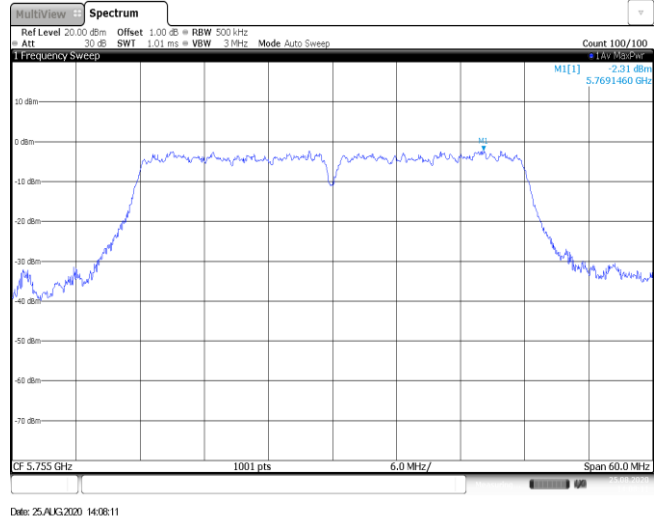
Band IV		802.11n (HT20)
CH _L	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz ATT 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1(1) 2.09 dBm 5.7401750 GHz CF 5.745 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 25/AUG/2020 14:05:17 </p>	
CH _M	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz ATT 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1(1) 2.14 dBm 5.7801450 GHz CF 5.785 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 25/AUG/2020 14:06:04 </p>	
CH _H	<p> MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz ATT 30 dB SWF 1.01 ms VBW 3 MHz Mode Auto Sweep Count 100/100 1 Frequency Sweep M1(1) 1.70 dBm 5.8200850 GHz CF 5.825 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 25/AUG/2020 14:06:44 </p>	

Band IV		802.11a
CH _L		
CH _M		
CH _H		

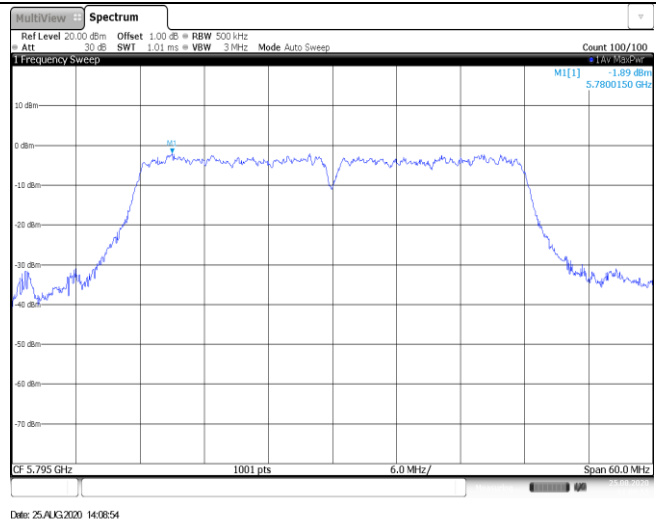
Band IV		802.11ac (HT40)
CH _L	<p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz Count 100/100 Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep 1 Frequency Sweep M1(1) -1.31 dBm 5.7400750 GHz CF 5.755 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 25/AUG/2020 14:00:27</p>	
CH _H	<p>MultiView Spectrum Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz Count 100/100 Att 30 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep 1 Frequency Sweep M1(1) -0.79 dBm 5.7800150 GHz CF 5.795 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz Date: 25/AUG/2020 13:58:56</p>	

Band IV **802.11n (HT40)**

CH_L



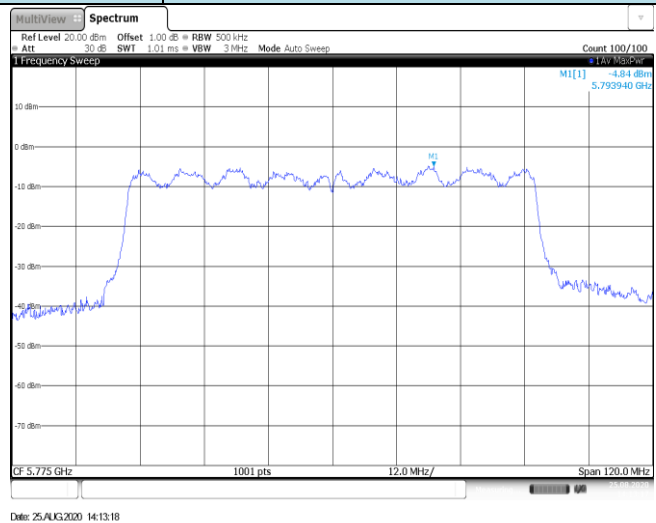
CH_H



Band IV

802.11ac (HT80)

CH_M



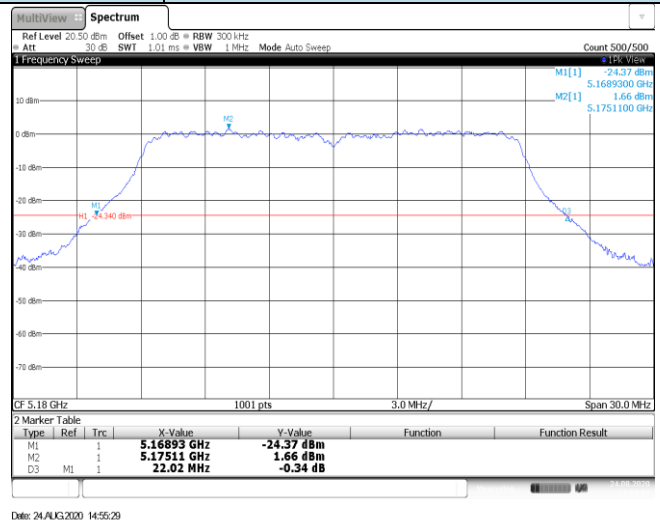
Appendix C: 26dB bandwidth

Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
I	20	802.11ac	CH _L	22.02	Pass
			CH _M	21.93	
			CH _H	21.96	
		802.11n	CH _L	22.20	Pass
			CH _M	21.93	
			CH _H	21.93	
	802.11a	CH _L	21.30	Pass	
		CH _M	21.30		
		CH _H	21.30		
	40	802.11ac	CH _L	43.08	Pass
			CH _H	43.14	
		802.11n	CH _L	43.02	Pass
CH _H			43.08		
80	802.11ac	CH _M	83.40	Pass	
II	20	802.11ac	CH _L	22.05	Pass
			CH _M	22.14	
			CH _H	22.26	
		802.11n	CH _L	22.05	Pass
			CH _M	22.08	
			CH _H	22.08	
	802.11a	CH _L	23.16	Pass	
		CH _M	23.85		
		CH _H	23.82		
	40	802.11ac	CH _L	43.26	Pass
			CH _H	43.20	
		802.11n	CH _L	43.26	Pass
CH _H			43.02		
80	802.11ac	CH _M	83.40	Pass	

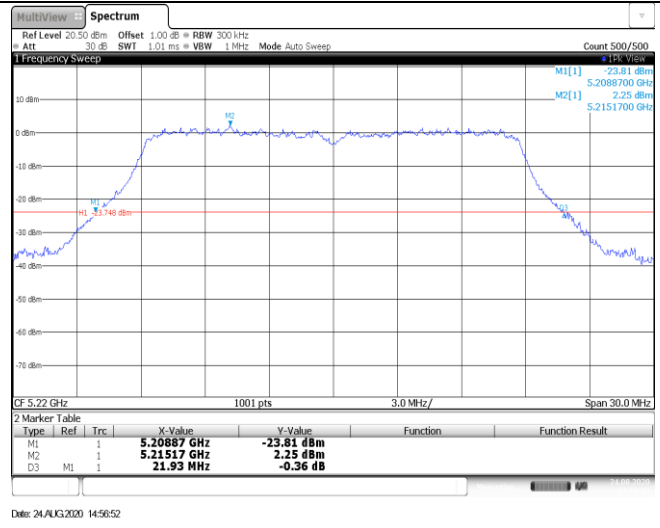
Band	Bandwidth (MHz)	Type	Channel	26dB bandwidth (MHz)	Result
III	20	802.11ac	CH _L	22.20	Pass
			CH _M	22.11	
			CH _H	22.05	
		802.11n	CH _L	22.11	Pass
			CH _M	22.11	
			CH _H	22.11	
		802.11a	CH _L	21.39	Pass
			CH _M	25.26	
			CH _H	23.55	
	40	802.11ac	CH _L	43.20	Pass
			CH _M	44.34	
			CH _H	44.10	
		802.11n	CH _L	43.14	Pass
			CH _M	43.98	
			CH _H	44.04	
80	802.11ac	CH _L	83.52	Pass	
		CH _M	83.40		
		CH _H	83.40		

Band I **802.11ac (HT20)**

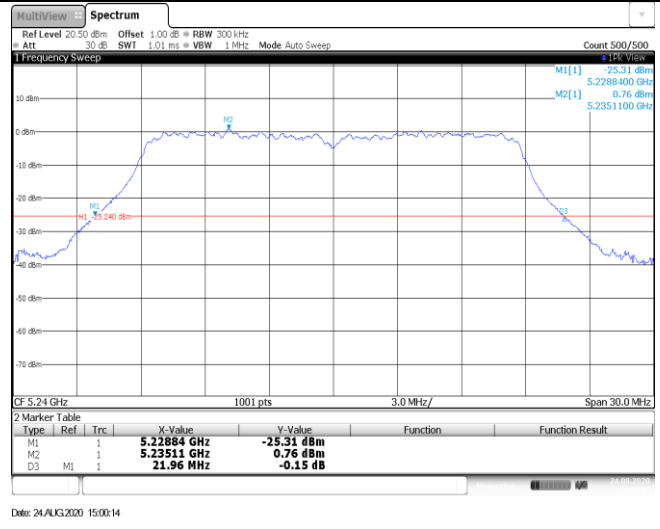
CH_L



CH_M



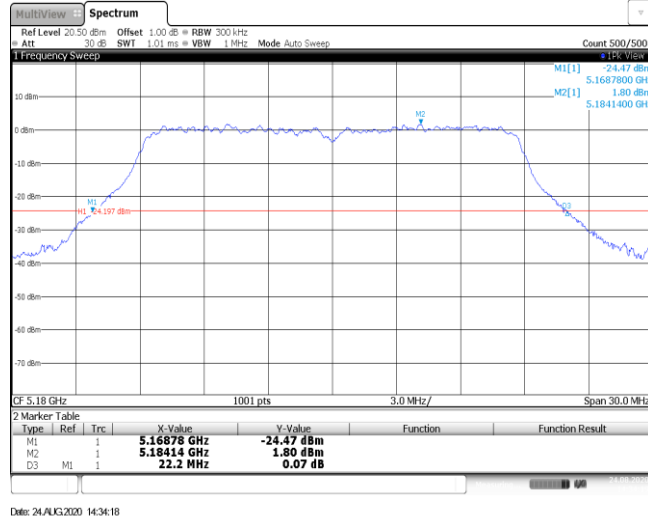
CH_H



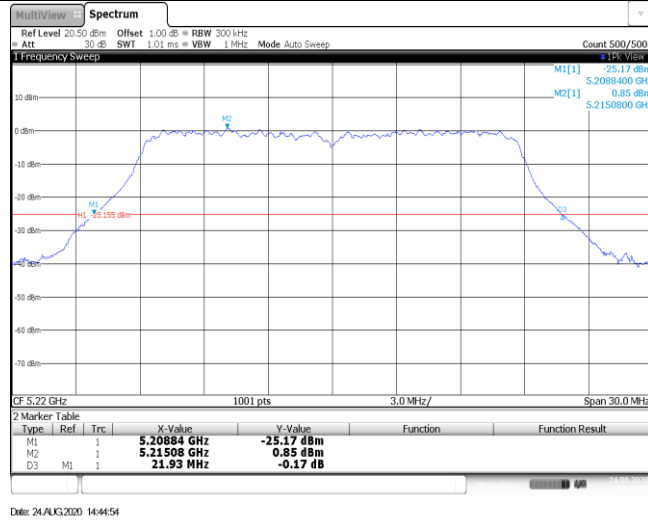
Band I

802.11n (HT20)

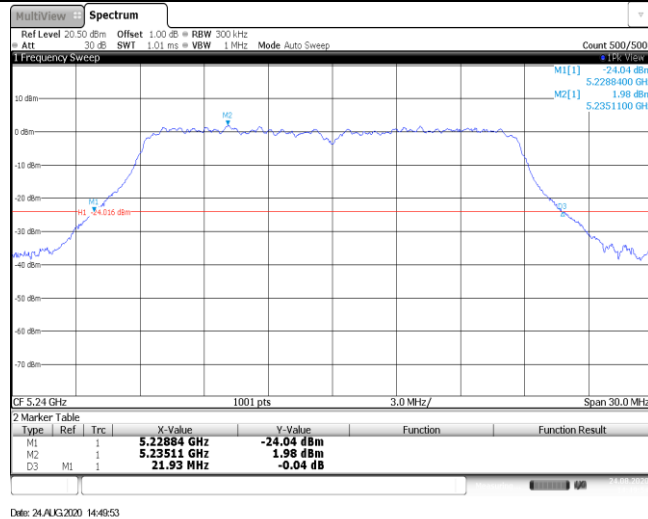
CH_L



CH_M

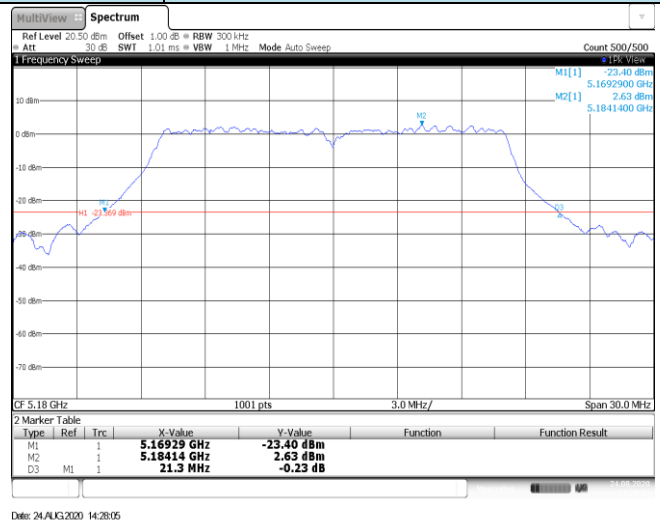


CH_H

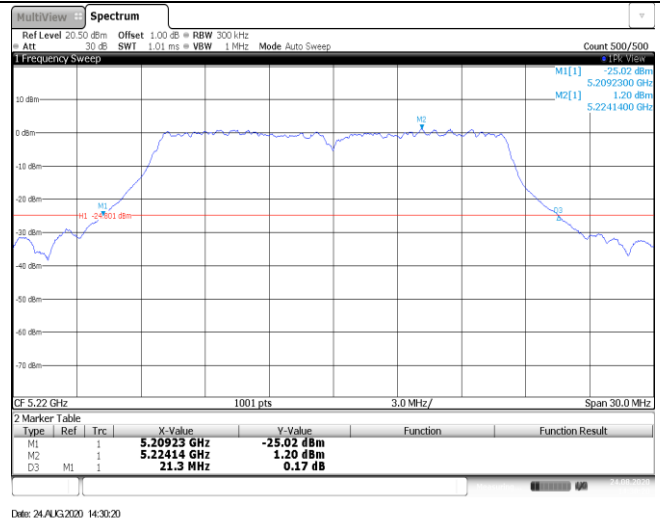


Band I **802.11a**

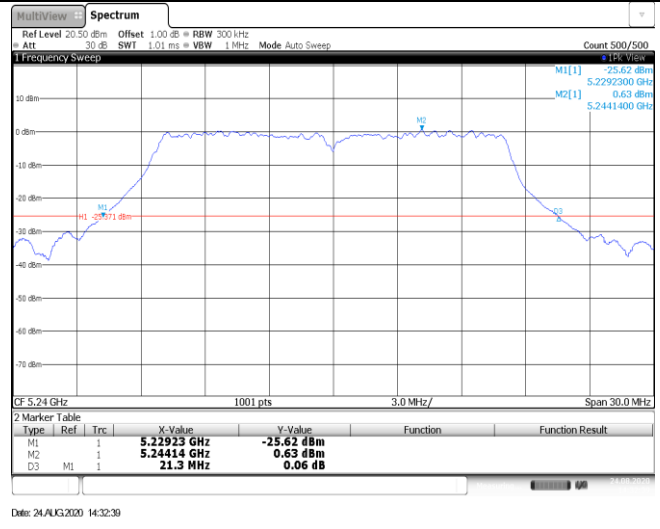
CH_L



CH_M

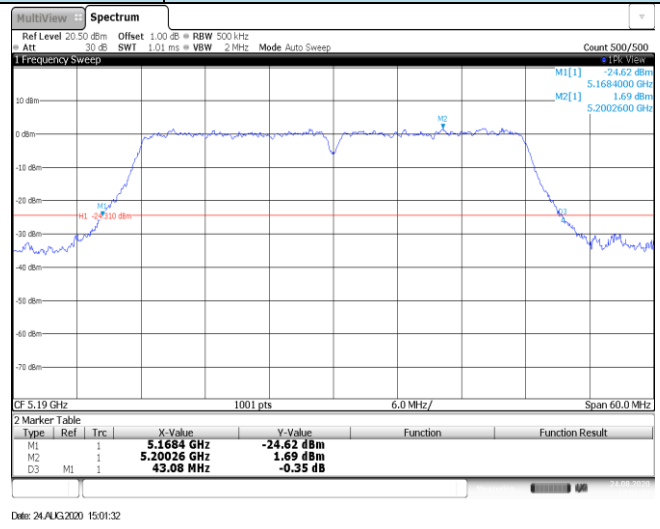


CH_H

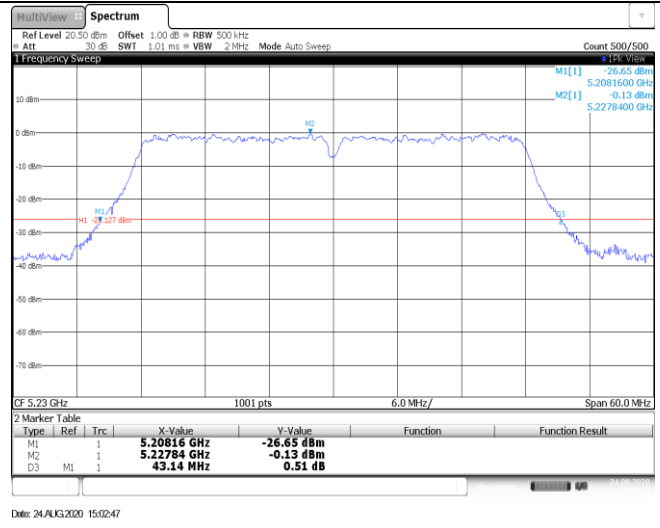


Band I **802.11ac (HT40)**

CH_L

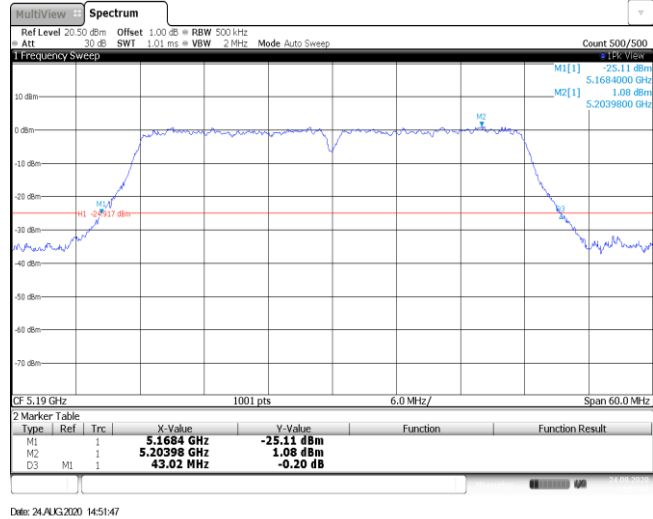


CH_H

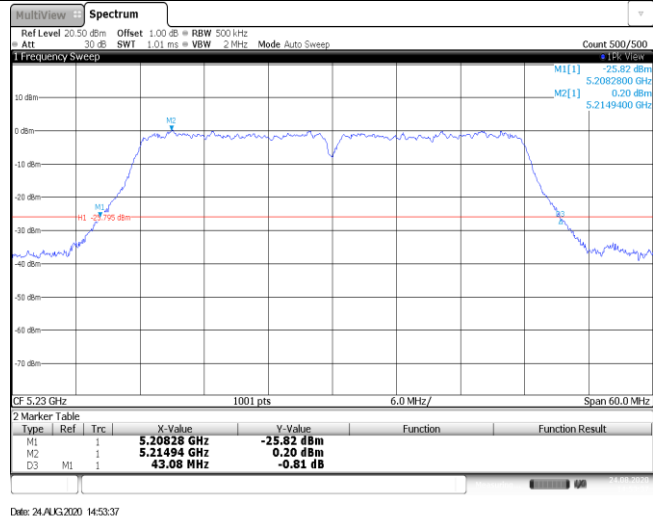


Band I **802.11n (HT40)**

CH_L

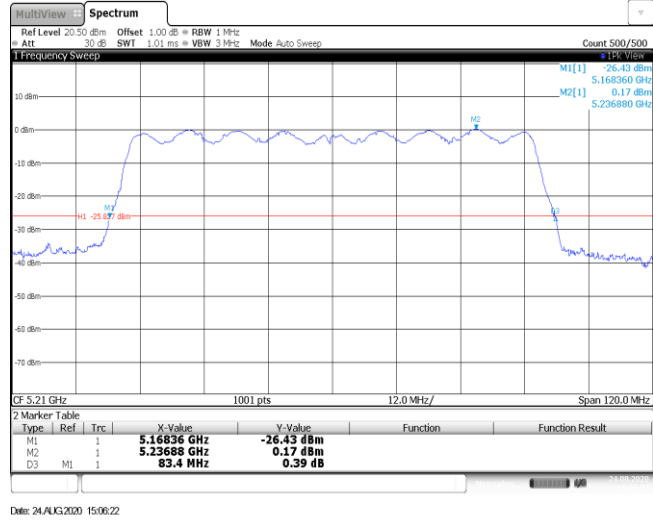


CH_H



Band I **802.11ac (HT80)**

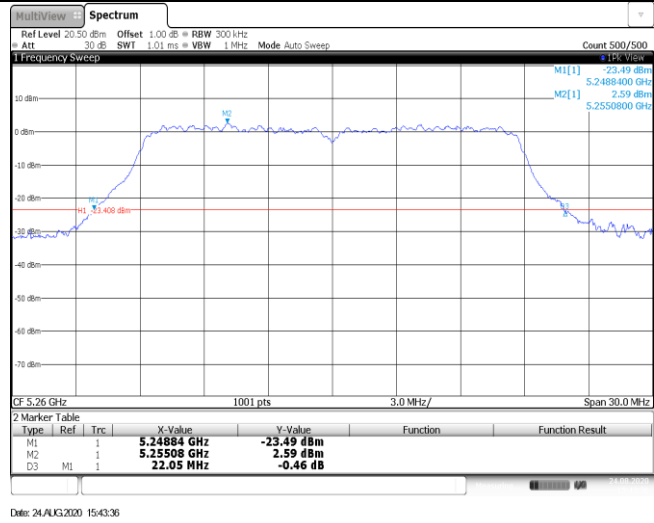
CH_M



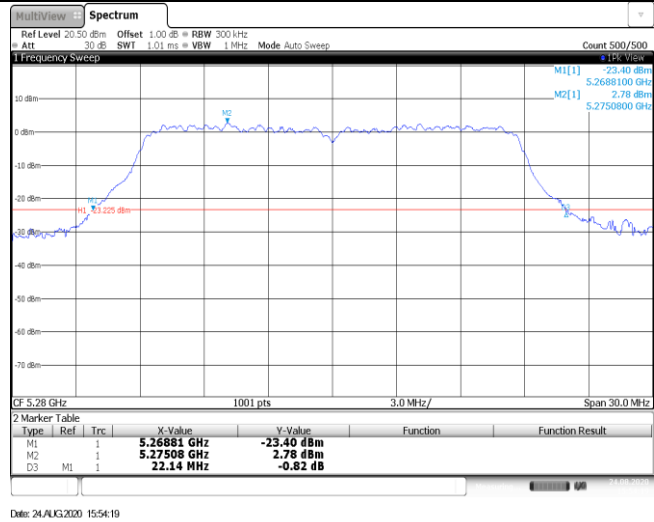
Band II

802.11ac (HT20)

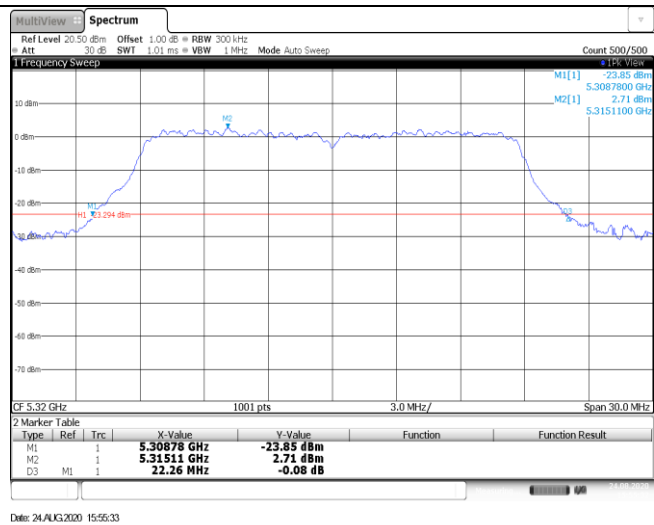
CH_L



CH_M



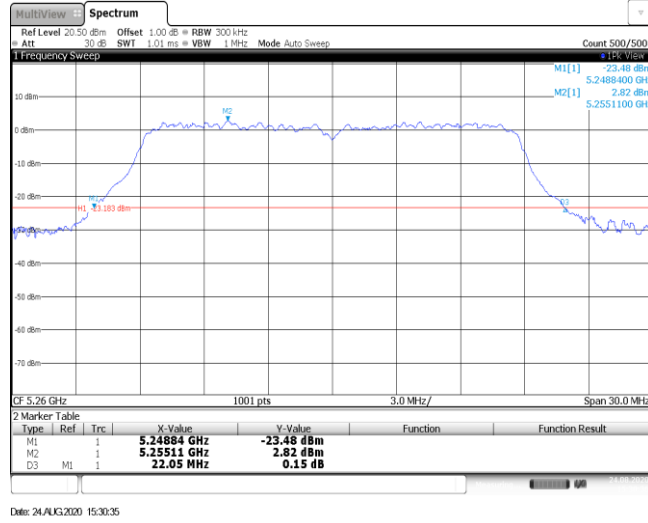
CH_H



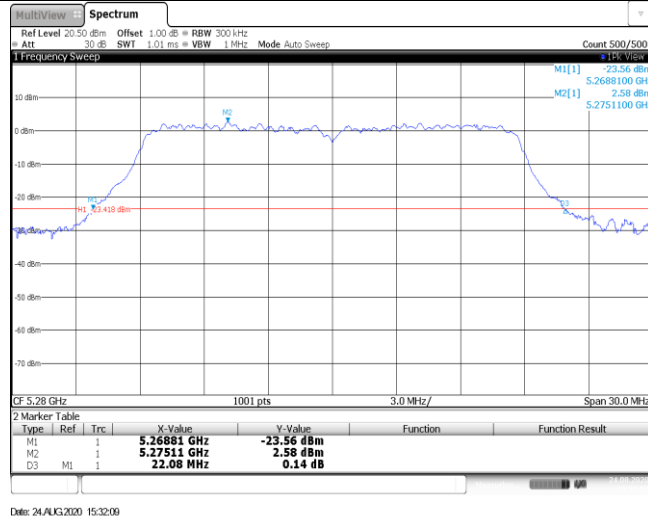
Band II

802.11n (HT20)

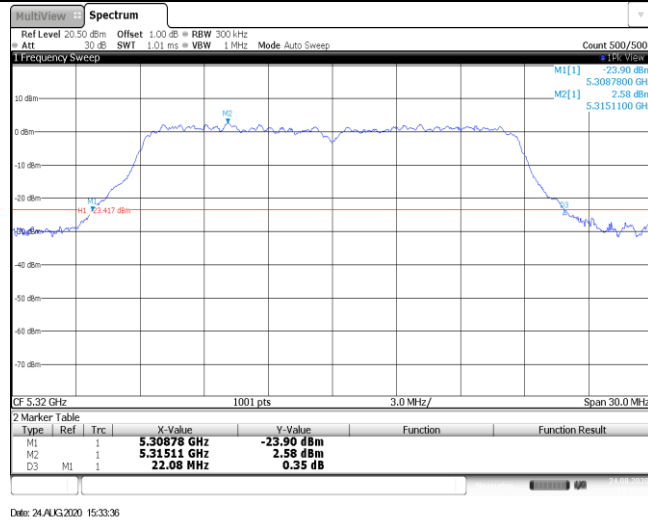
CH_L



CH_M

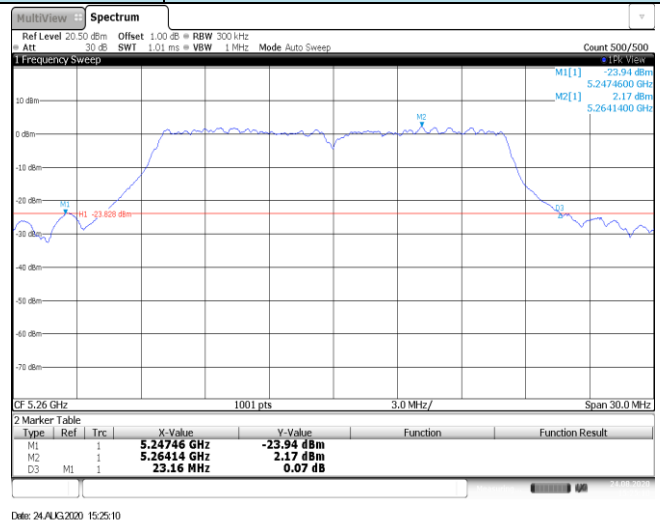


CH_H

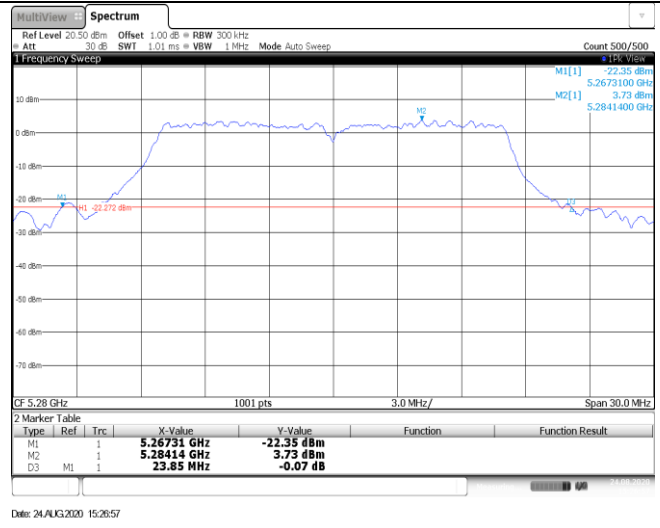


Band II **802.11a**

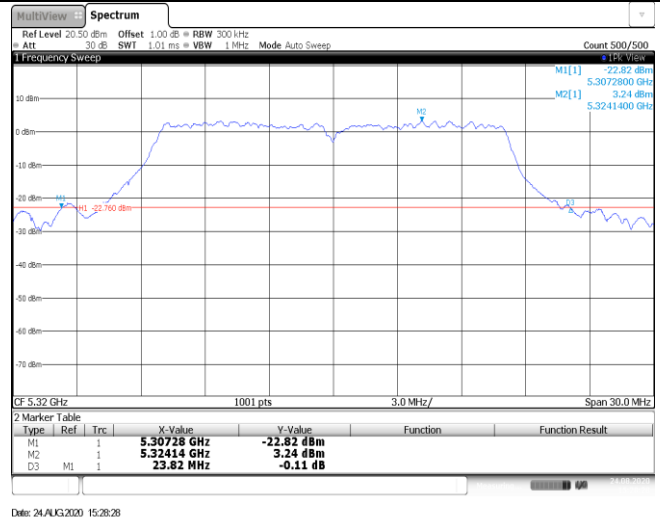
CH_L



CH_M

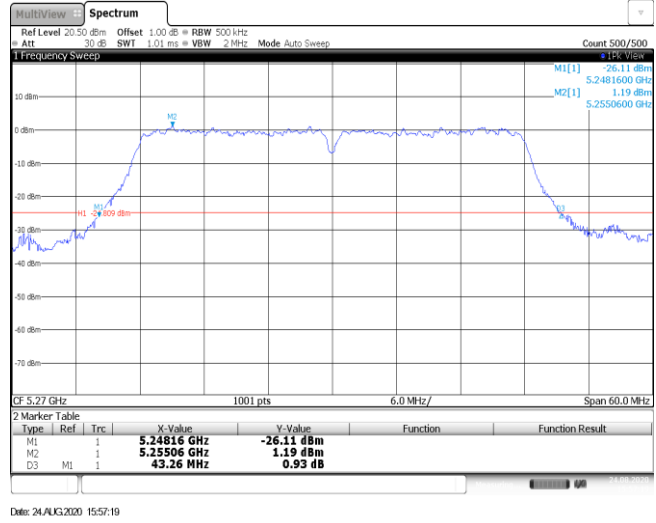


CH_H

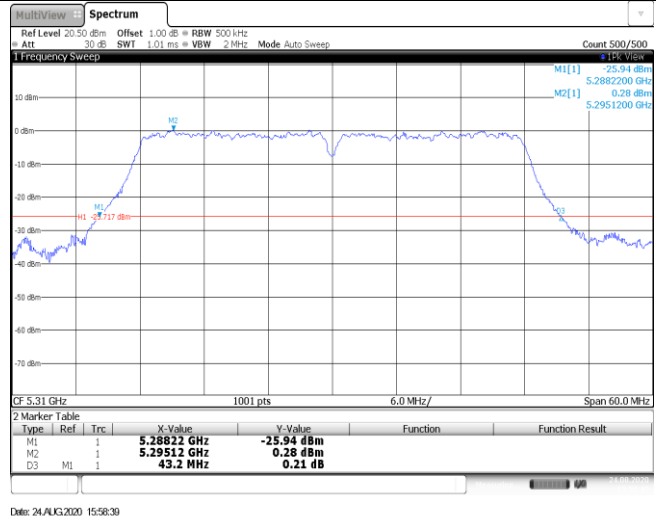


Band II **802.11ac (HT40)**

CH_L

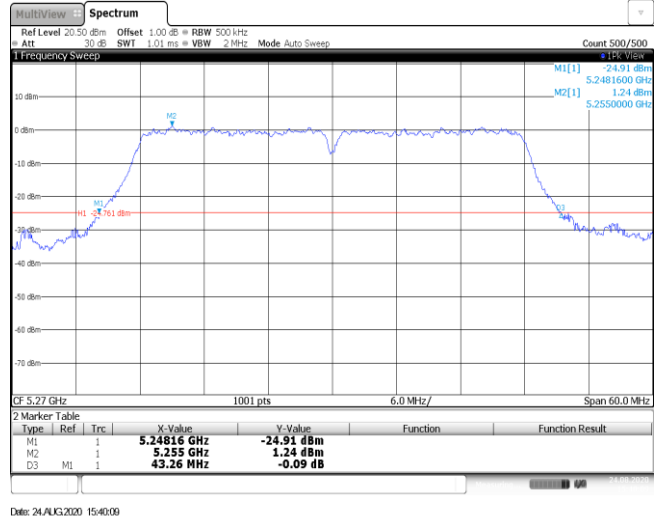


CH_H

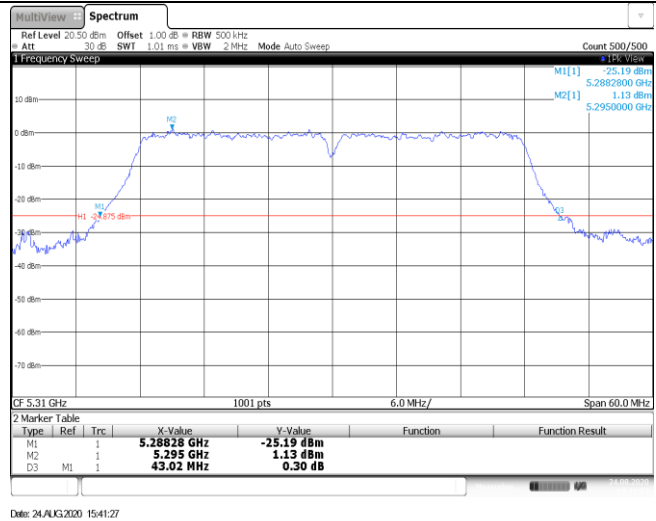


Band II **802.11n (HT40)**

CH_L

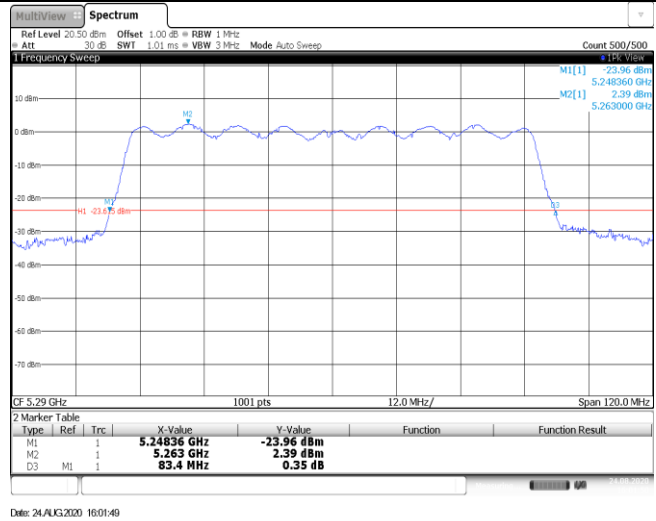


CH_H



Band II **802.11ac (HT80)**

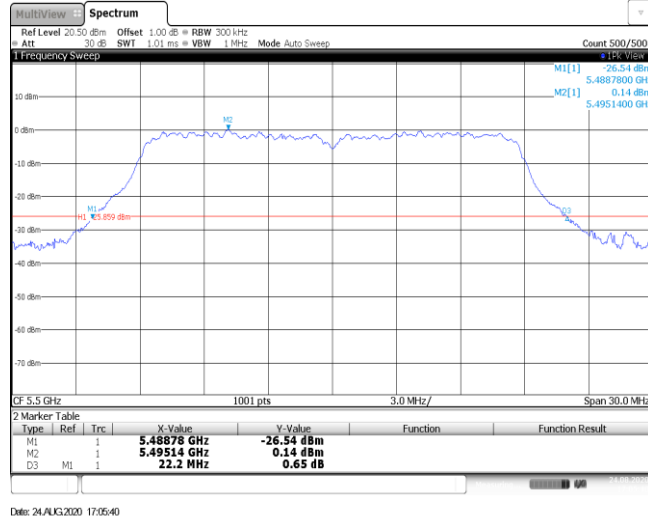
CH_M



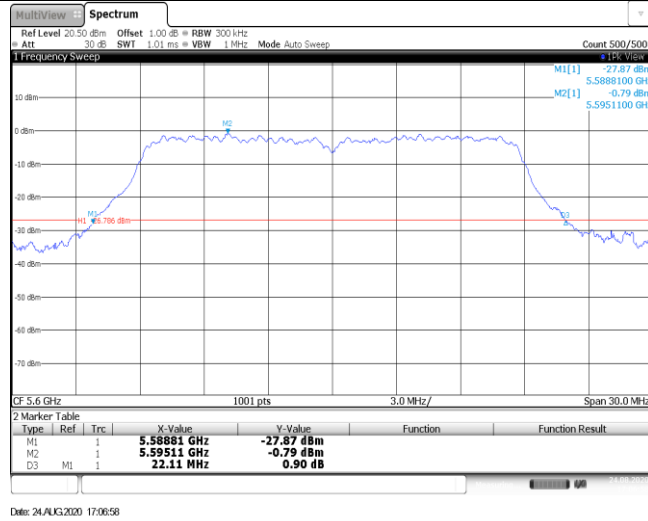
Band III

802.11ac (HT20)

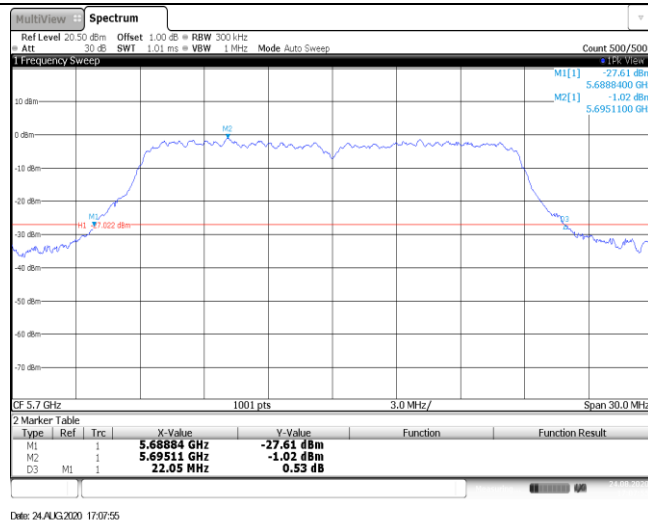
CH_L



CH_M



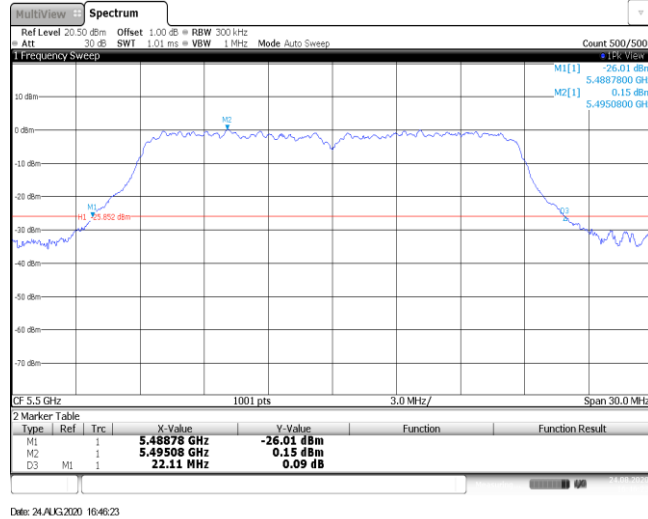
CH_H



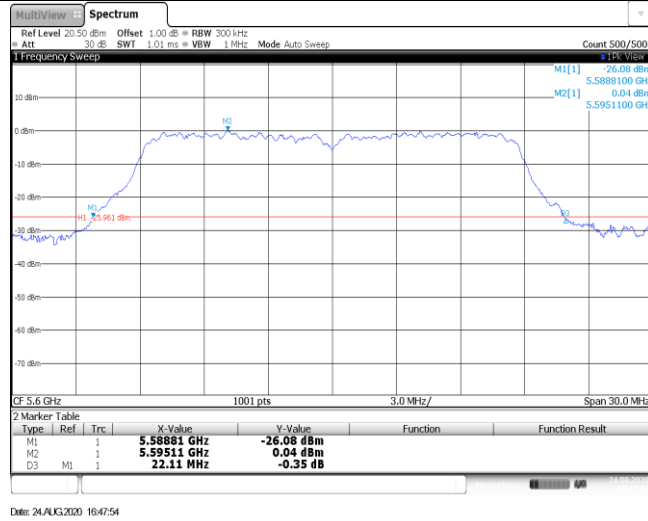
Band III

802.11n (HT20)

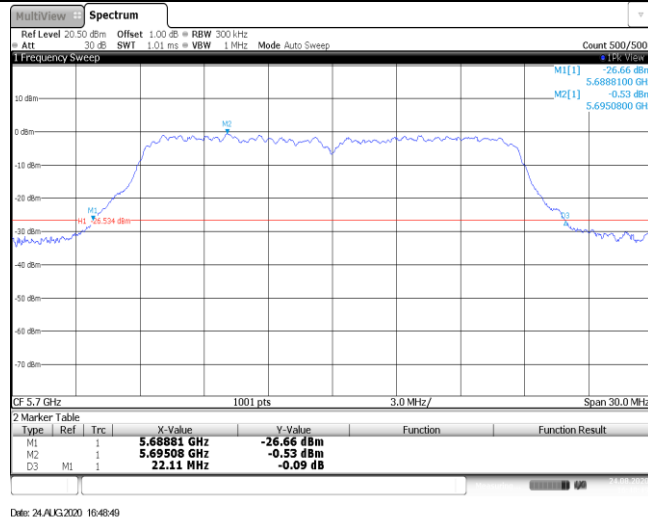
CH_L



CH_M

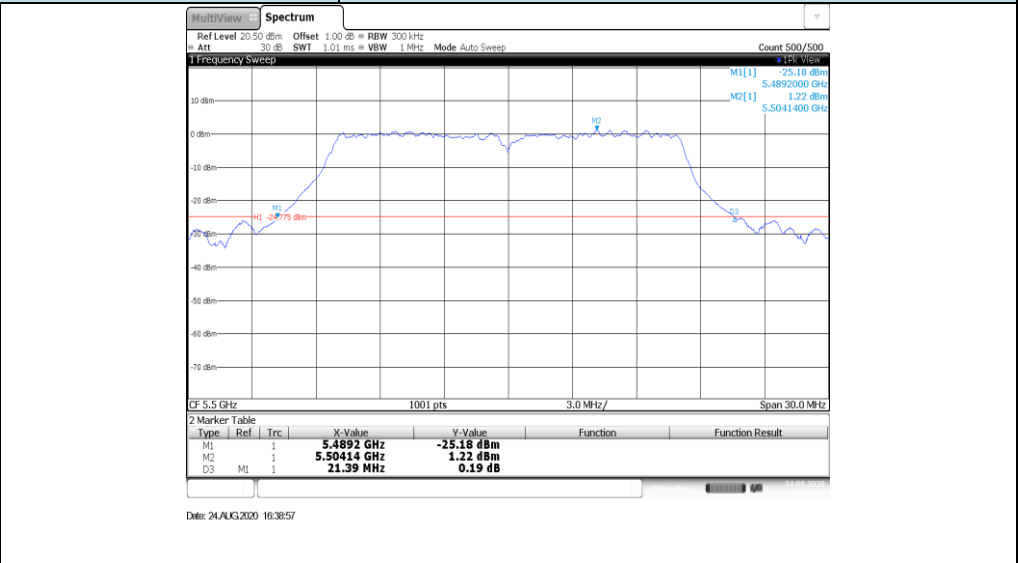


CH_H

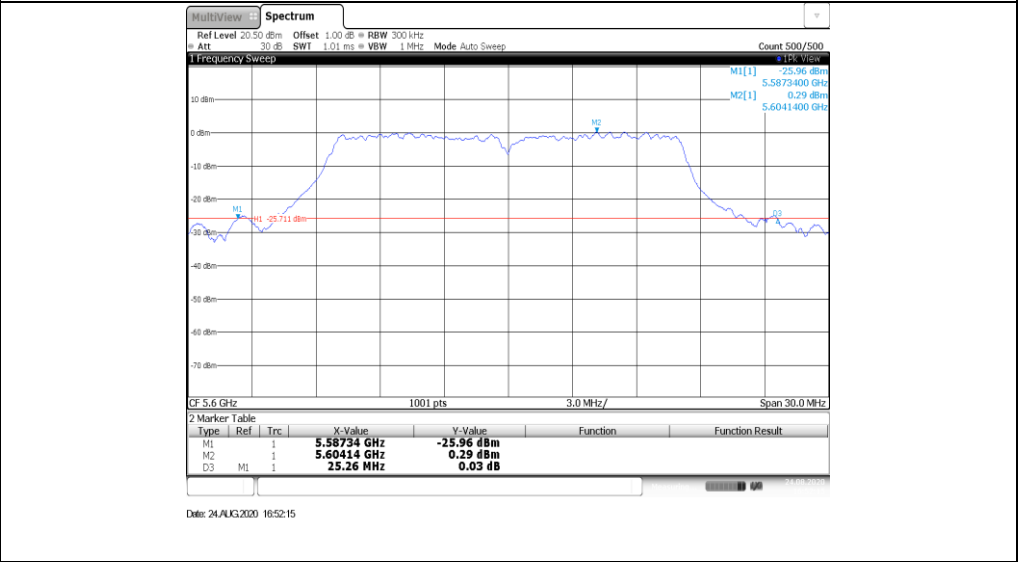


Band III **802.11a**

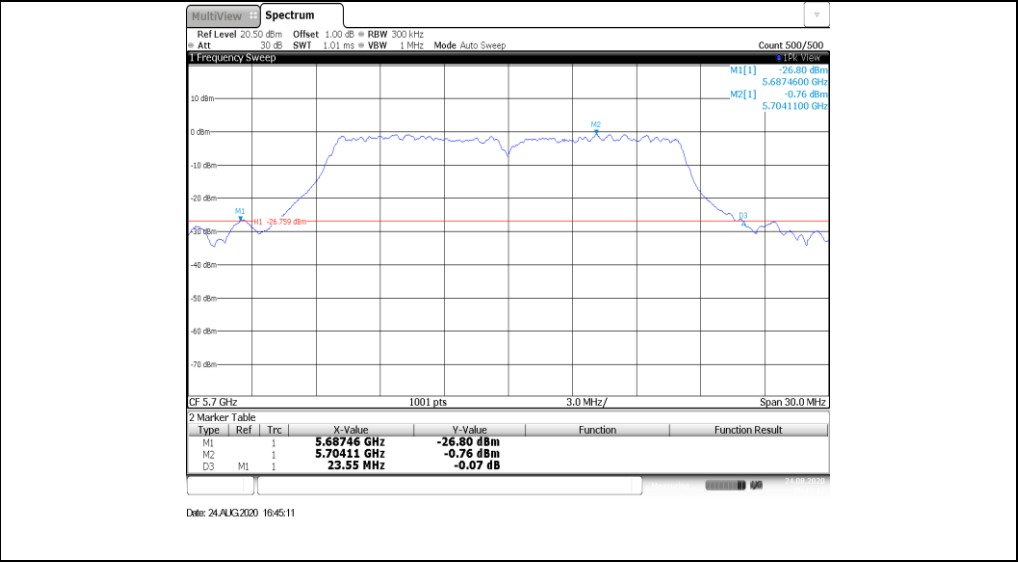
CH_L



CH_M



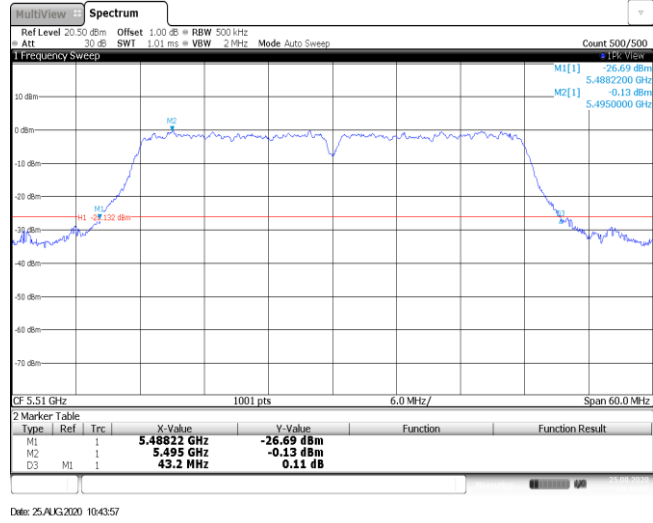
CH_H



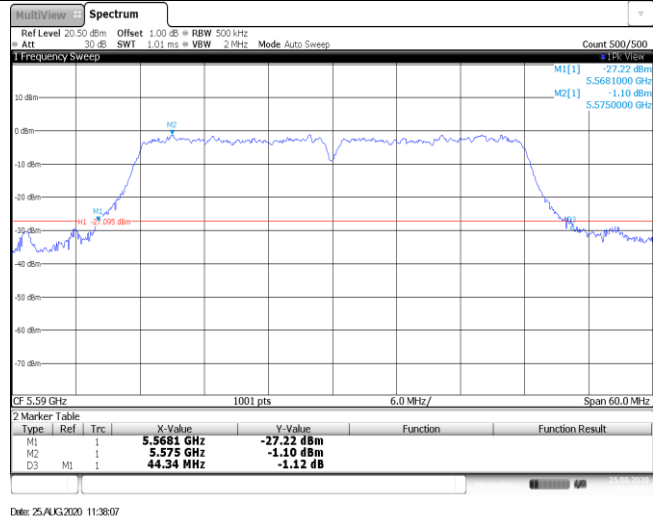
Band III

802.11ac (HT40)

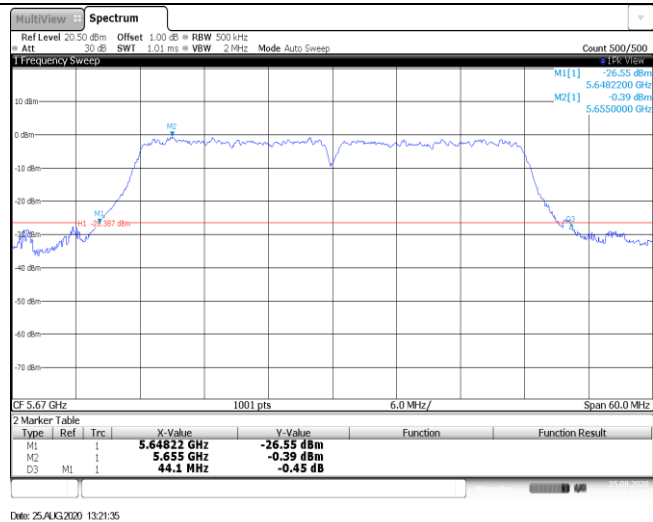
CH_L



CH_M



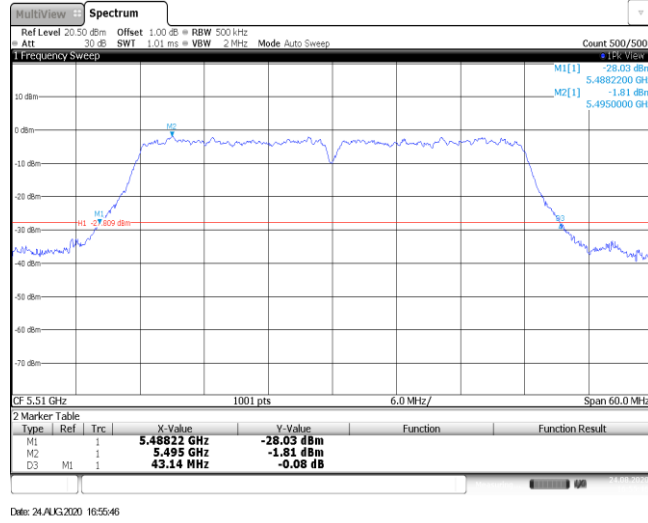
CH_H



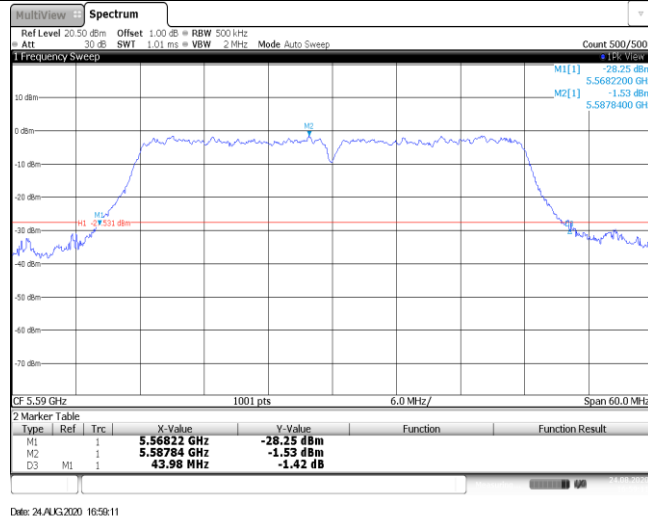
Band III

802.11n (HT40)

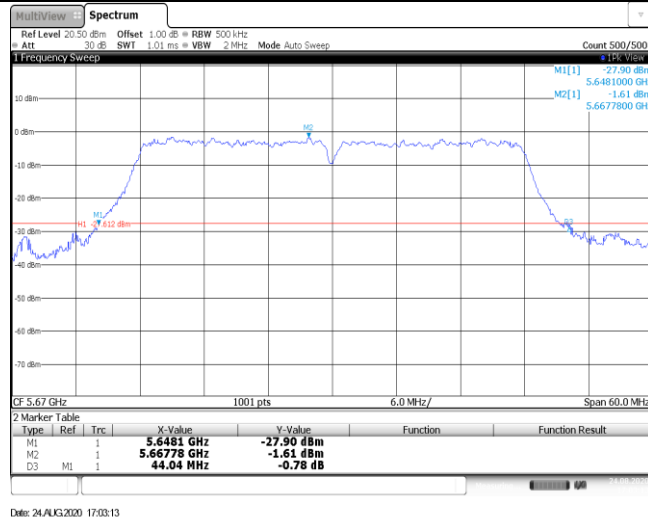
CH_L



CH_M

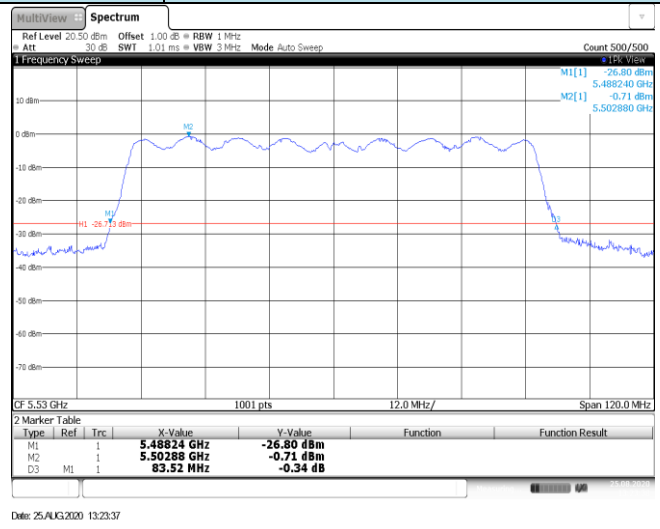


CH_H

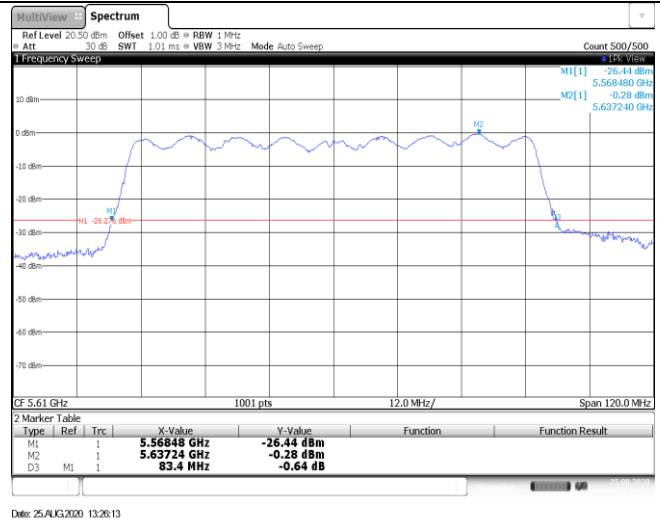


Band III **802.11ac (HT80)**

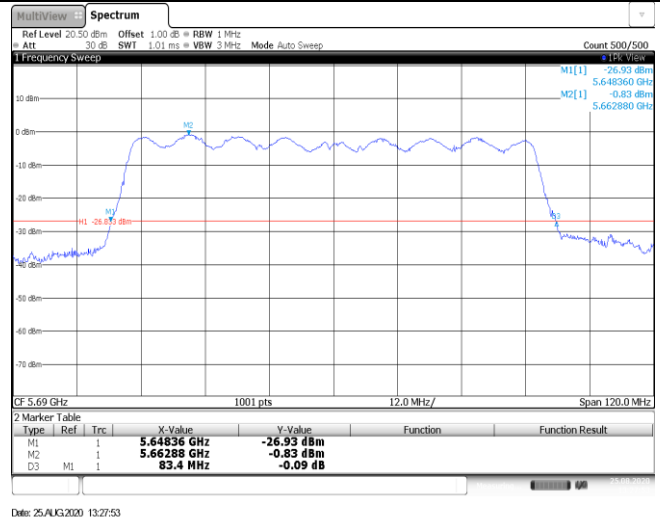
CH_L



CH_M



CH_H

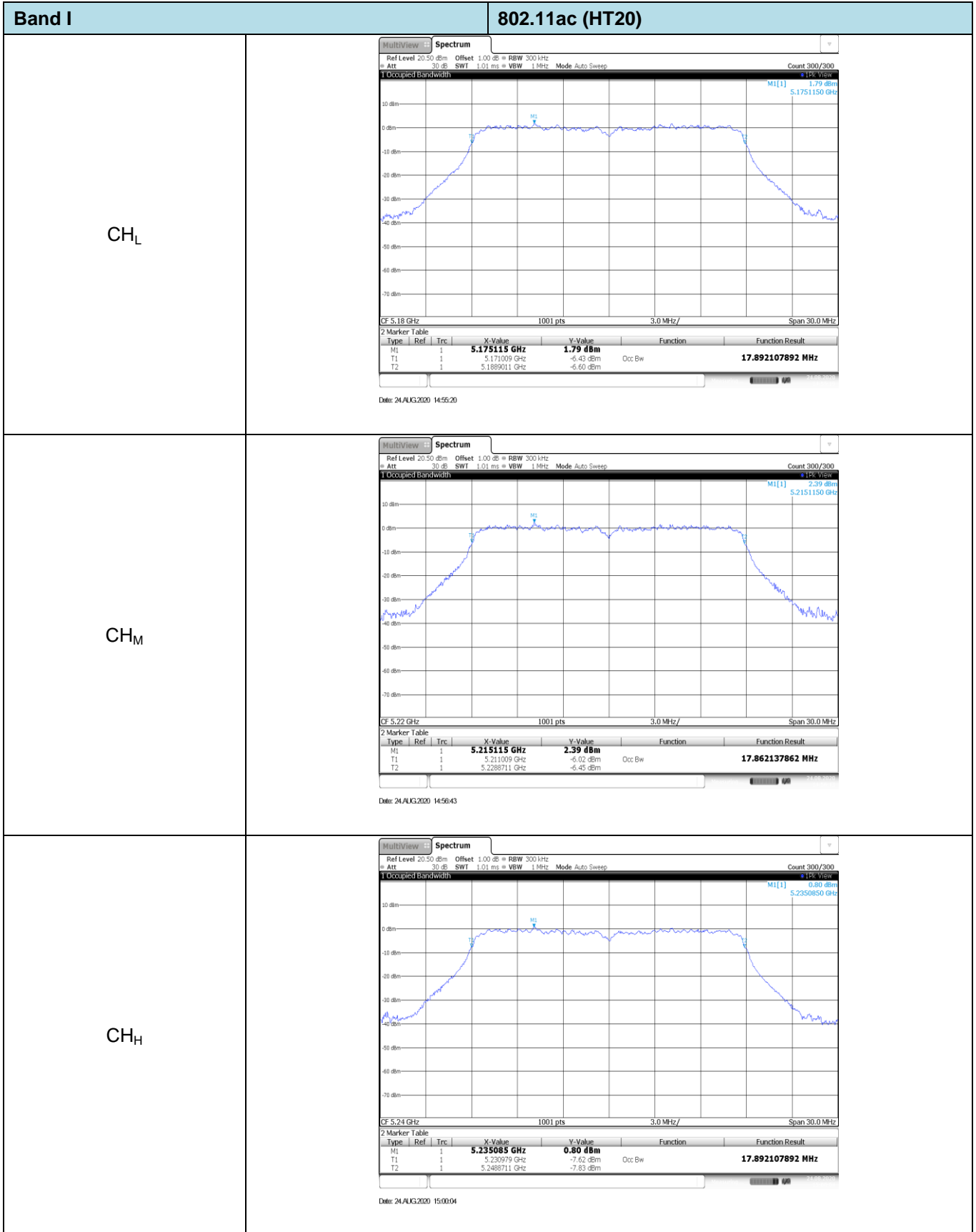


Appendix D: 99% Occupy bandwidth

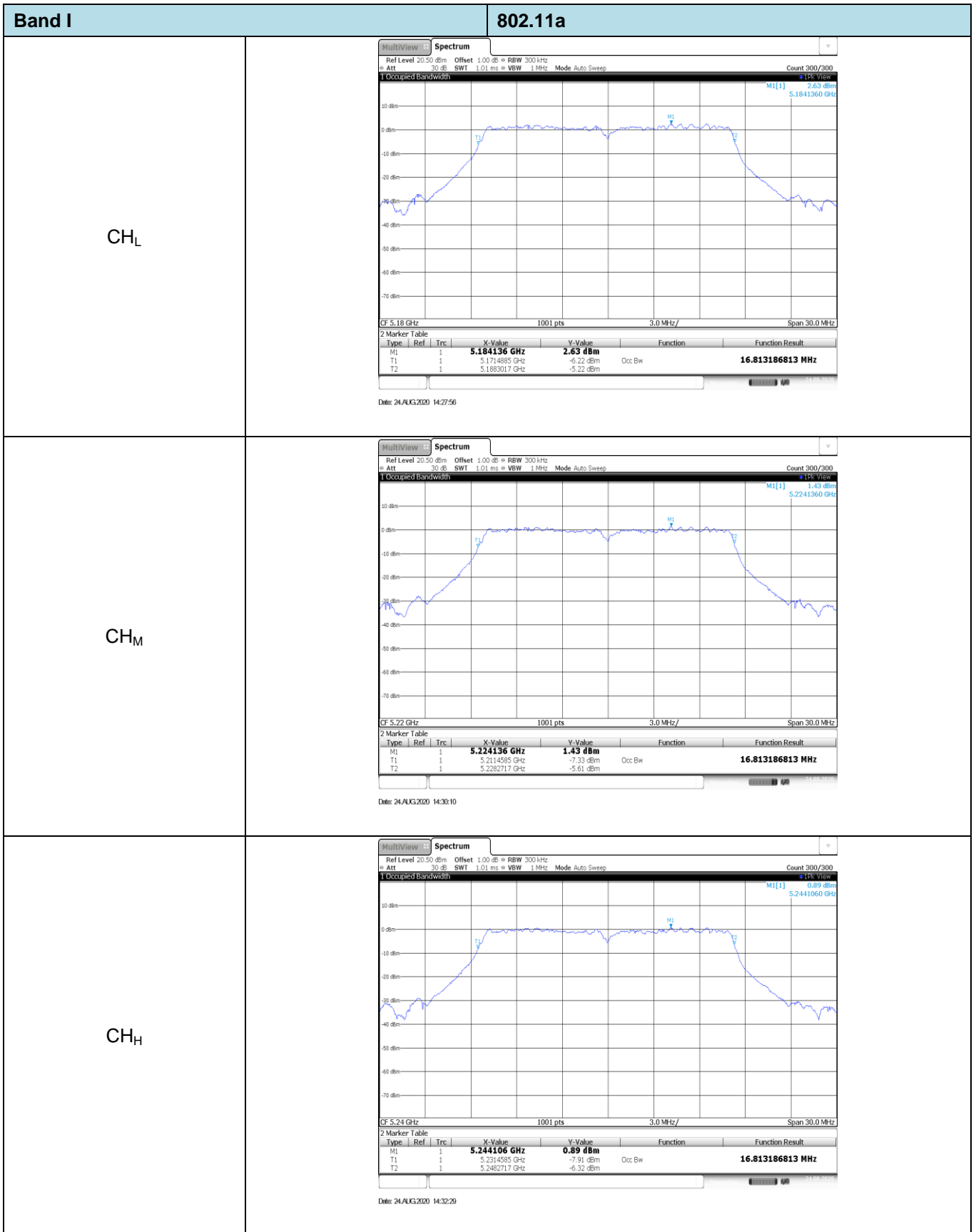
Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
I	20	802.11ac	CH _L	17.89	Pass
			CH _M	17.86	
			CH _H	17.89	
		802.11n	CH _L	17.83	Pass
			CH _M	17.83	
			CH _H	17.86	
		802.11a	CH _L	16.81	Pass
			CH _M	16.81	
			CH _H	16.81	
	40	802.11ac	CH _L	36.44	Pass
			CH _H	36.50	
		802.11n	CH _L	36.44	Pass
CH _H			36.50		
80	802.11ac	CH _M	75.64	Pass	
II	20	802.11ac	CH _L	17.92	Pass
			CH _M	17.92	
			CH _H	17.92	
		802.11n	CH _L	17.89	Pass
			CH _M	17.89	
			CH _H	17.89	
		802.11a	CH _L	16.84	Pass
			CH _M	16.87	
			CH _H	16.87	
	40	802.11ac	CH _L	36.50	Pass
			CH _H	36.50	
		802.11n	CH _L	36.56	Pass
CH _H			36.56		
80	802.11ac	CH _M	75.76	Pass	

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
III	20	802.11ac	CH _L	17.89	Pass
			CH _M	17.89	
			CH _H	17.92	
		802.11n	CH _L	17.86	Pass
			CH _M	17.95	
			CH _H	17.89	
		802.11a	CH _L	16.81	Pass
			CH _M	16.87	
			CH _H	16.87	
	40	802.11ac	CH _L	36.44	Pass
			CH _M	36.56	
			CH _H	36.56	
		802.11n	CH _L	36.56	Pass
			CH _M	36.56	
			CH _H	36.50	
80	802.11ac	CH _L	75.76	Pass	
		CH _M	75.76		
		CH _H	75.76		

Band	Bandwidth (MHz)	Type	Channel	99% Occupy bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	17.89	Pass
			CH _M	17.92	
			CH _H	17.92	
		802.11n	CH _L	17.86	Pass
			CH _M	17.86	
			CH _H	17.89	
		802.11a	CH _L	16.84	Pass
			CH _M	16.84	
			CH _H	16.84	
	40	802.11ac	CH _L	36.50	Pass
			CH _H	36.50	
		802.11n	CH _L	36.56	Pass
			CH _H	36.56	
	80	802.11ac	CH _M	75.76	Pass

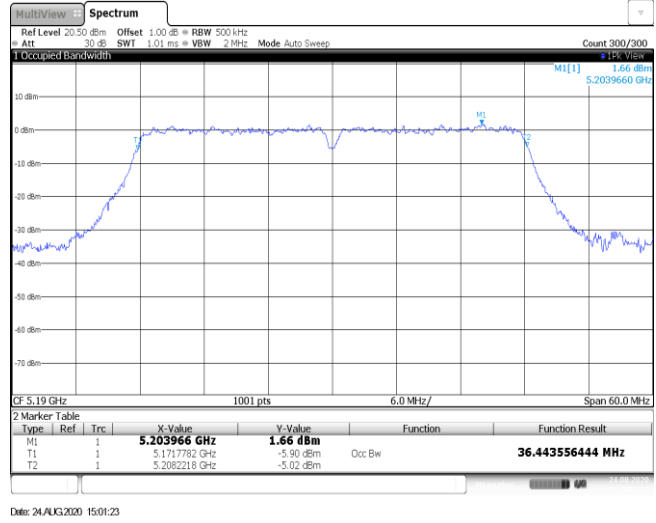


Band I		802.11n (HT20)																												
CH _L	<p>2 Marker Table</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-Value</th> <th>Y-Value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>5.184076 GHz</td> <td>2.27 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>5.171039 GHz</td> <td>-6.44 dBm</td> <td>Occ Bw</td> <td>17.832167832 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>5.188871 GHz</td> <td>-5.92 dBm</td> <td></td> <td></td> </tr> </tbody> </table> <p>Date: 24/JUL/2020 14:34:09</p>		Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		5.184076 GHz	2.27 dBm			T1	1		5.171039 GHz	-6.44 dBm	Occ Bw	17.832167832 MHz	T2	1		5.188871 GHz	-5.92 dBm		
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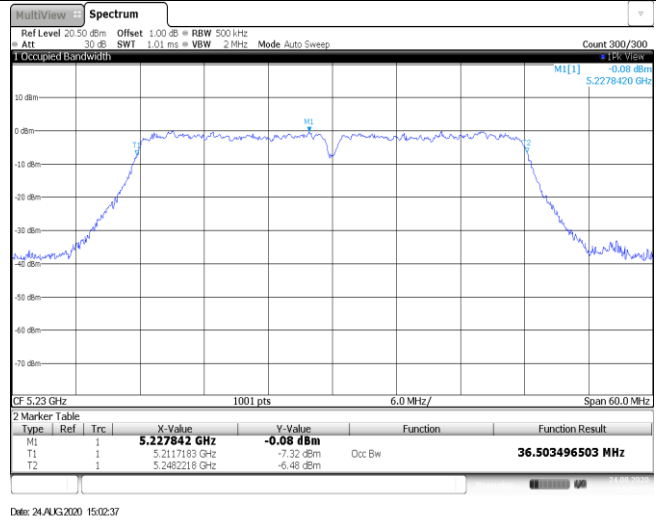


Band I **802.11ac (HT40)**

CH_L

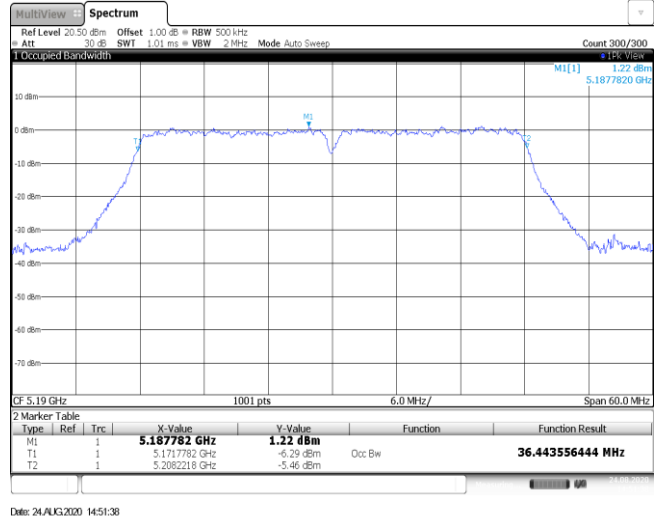


CH_H

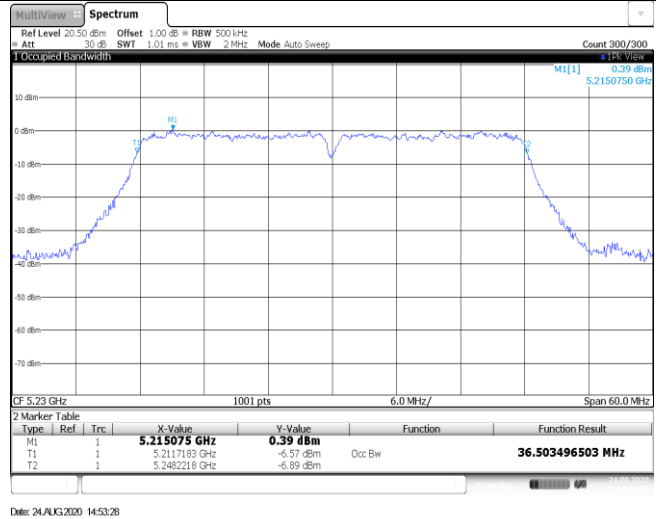


Band I **802.11n (HT40)**

CH_L

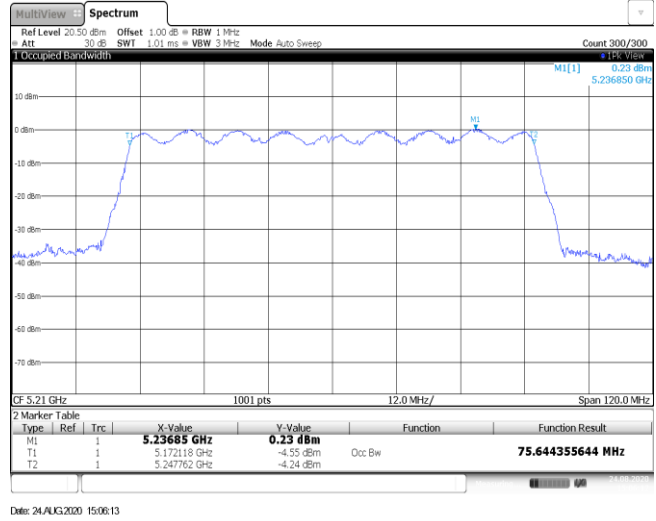


CH_H



Band I **802.11ac (HT80)**

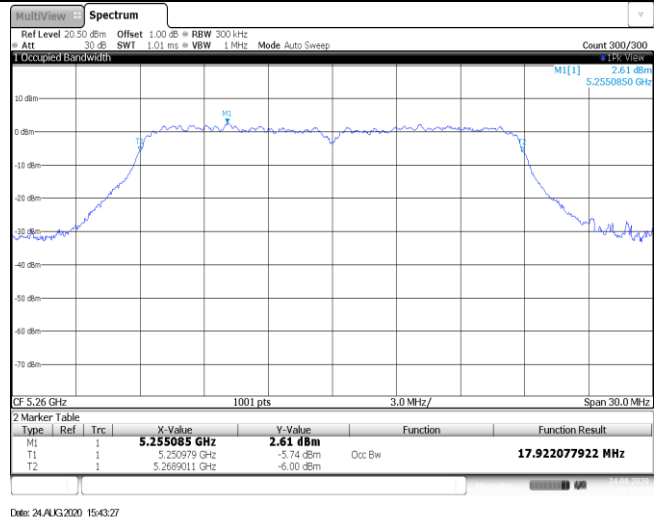
CH_M



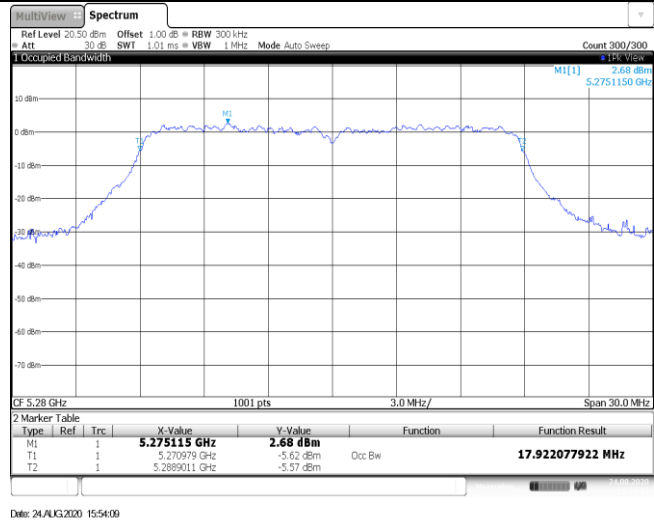
Band II

802.11ac (HT20)

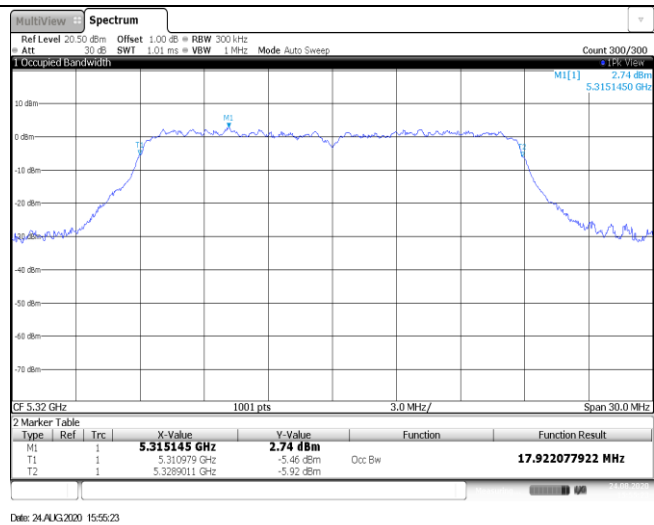
CH_L



CH_M

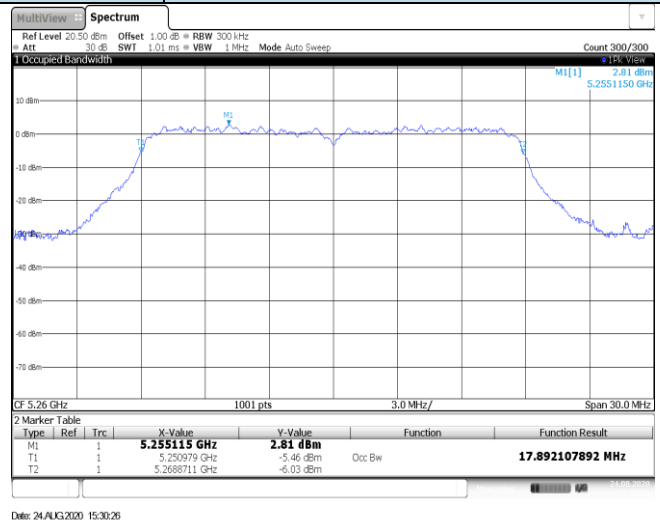


CH_H

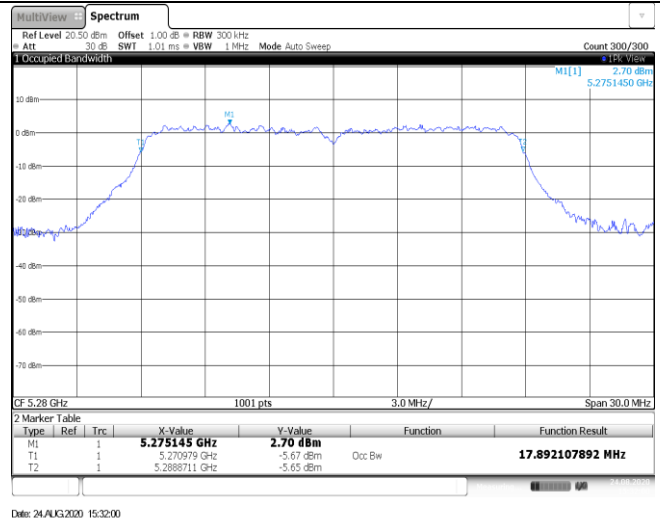


Band II **802.11n (HT20)**

CH_L



CH_M



CH_H

