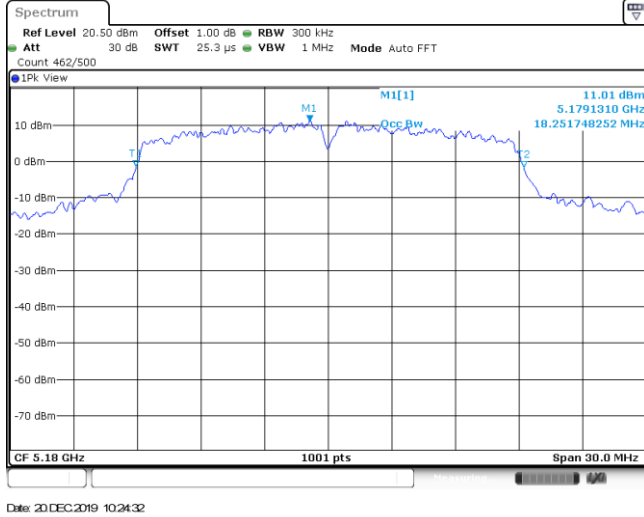


Band I		802.11ac (HT20)
CH _L	<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 457/500 IPK View 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.18 GHz 1001 pts Span 30.0 MHz Date: 20 DEC 2019 11:01:54 M1[1] 6.70 dBm 5.1786210 GHz Occ Bw 17.682317682 MHz </p>	
CH _M	<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 465/500 IPK View 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.22 GHz 1001 pts Span 30.0 MHz Date: 20 DEC 2019 11:03:10 M1[1] 6.39 dBm 5.2210190 GHz Occ Bw 17.832167832 MHz </p>	
CH _H	<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 457/500 IPK View 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.24 GHz 1001 pts Span 30.0 MHz Date: 20 DEC 2019 11:04:12 M1[1] 6.65 dBm 5.2391310 GHz Occ Bw 17.562437562 MHz </p>	

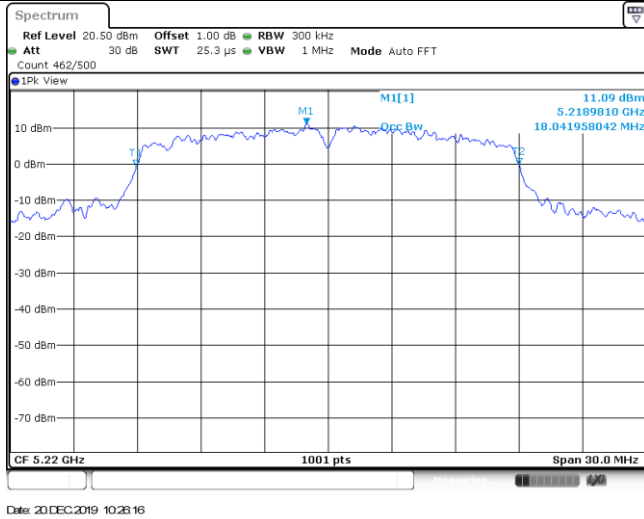
Band I

802.11n (HT20)

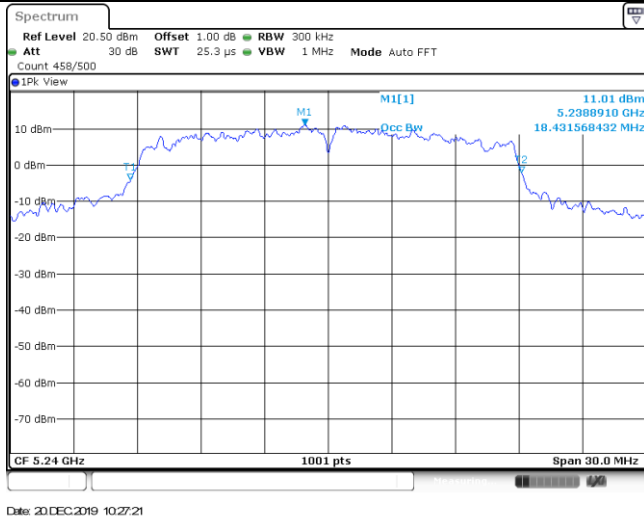
CH_L



CH_M

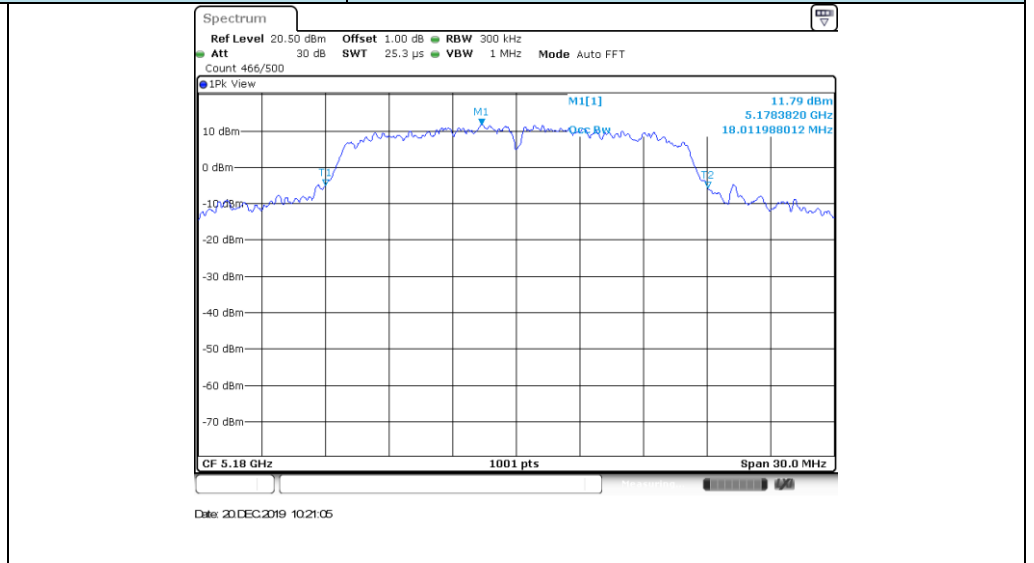


CH_H

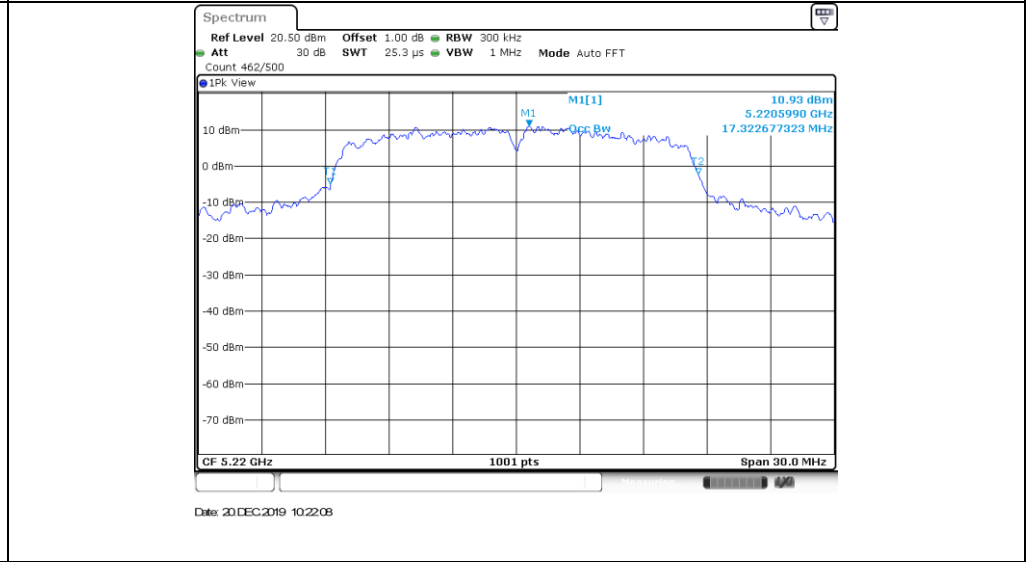


Band I **802.11a**

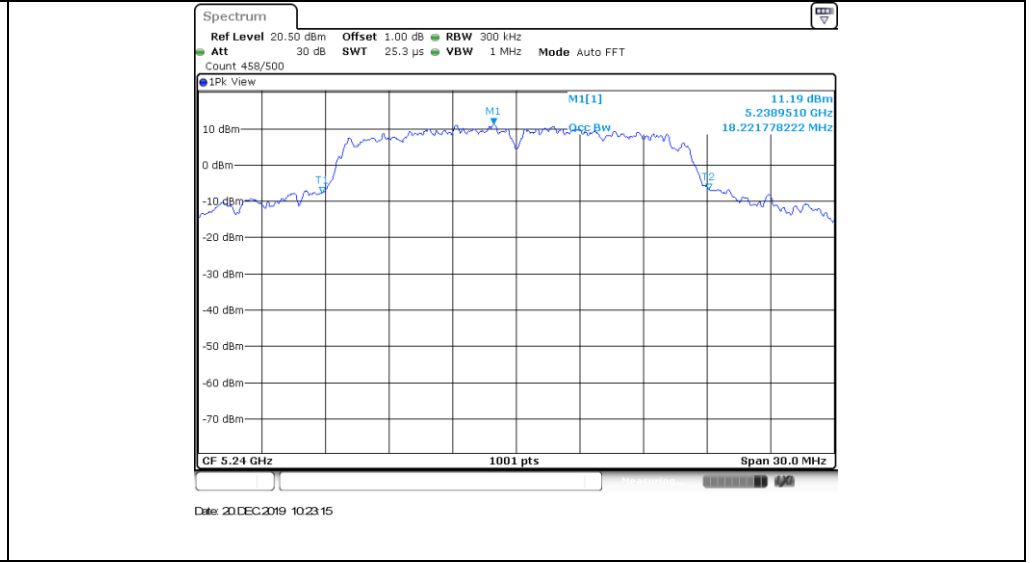
CH_L



CH_M

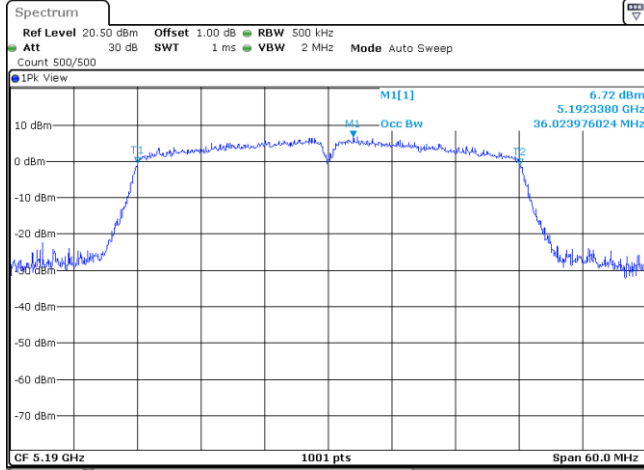


CH_H



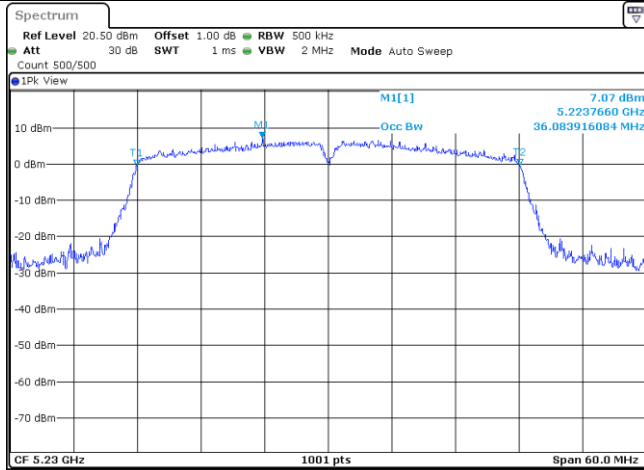
Band I **802.11ac (HT40)**

CH_L



Date: 20 DEC 2019 11:05:21

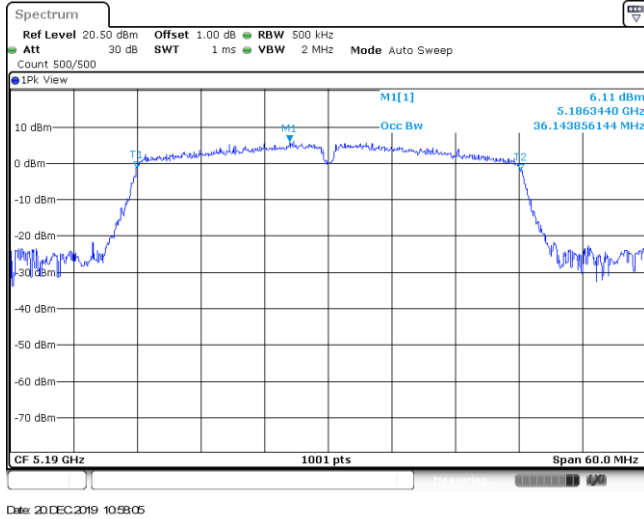
CH_H



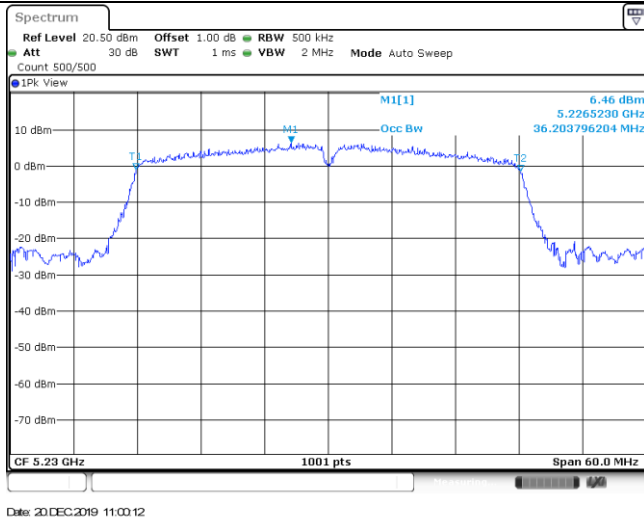
Date: 20 DEC 2019 11:08:22

Band I **802.11n (HT40)**

CH_L

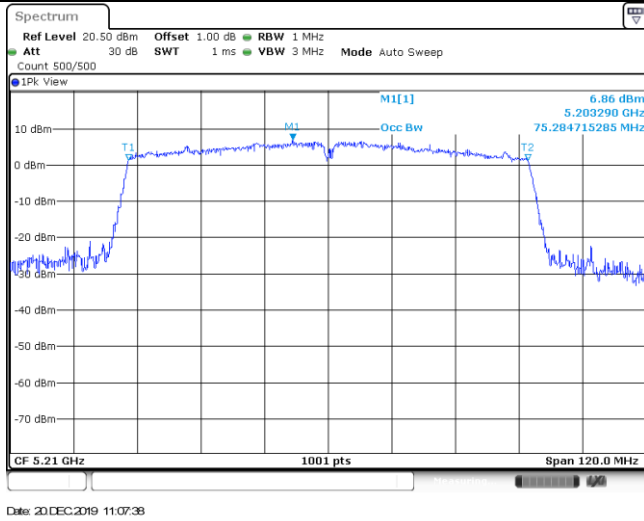



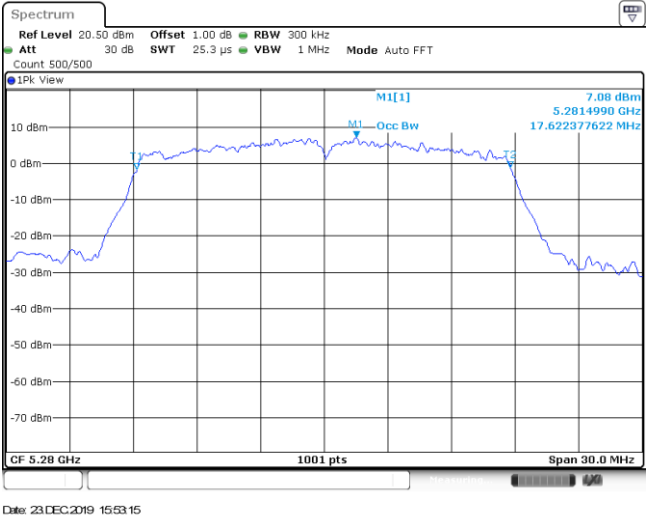
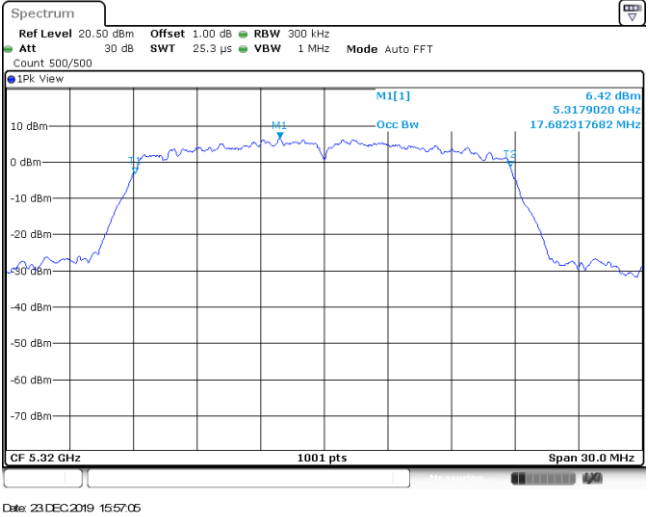
CH_H



Band I **802.11ac (HT80)**

CH_M

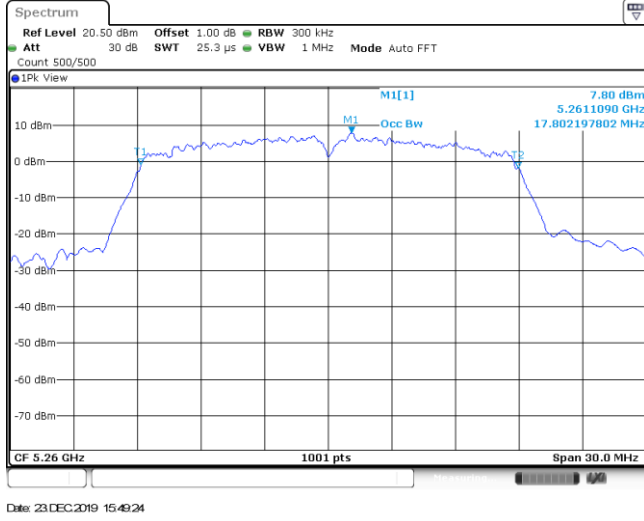


Band II		802.11ac (HT20)
CH _L		
CH _M		
CH _H		

Band II

802.11n (HT20)

CH_L



CH_M

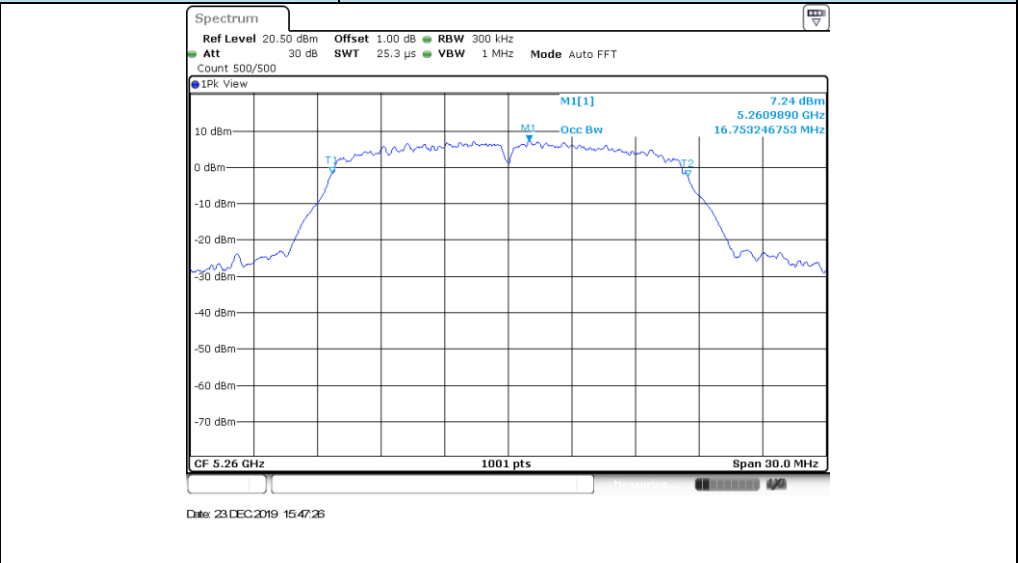


CH_H

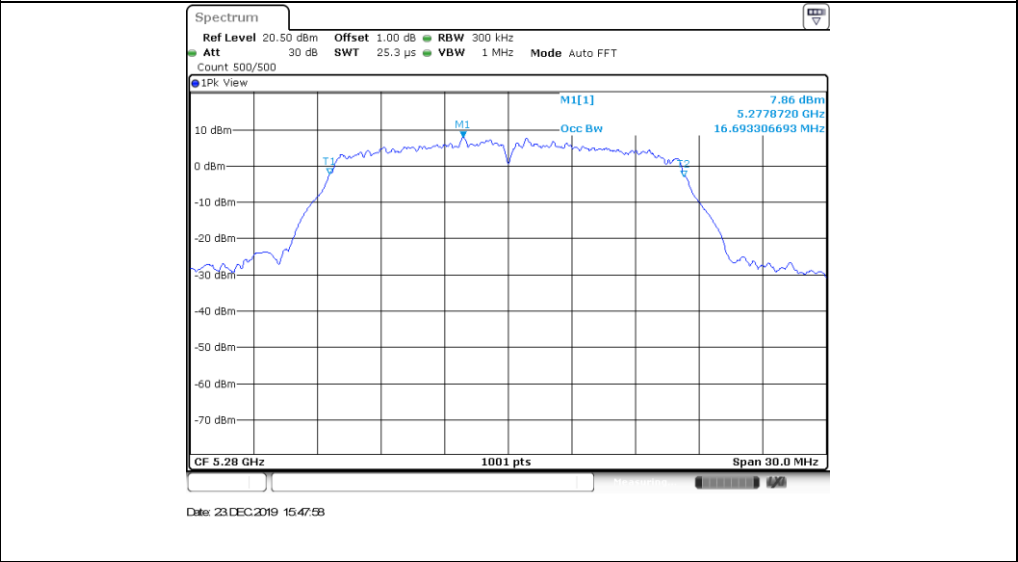


Band II **802.11a**

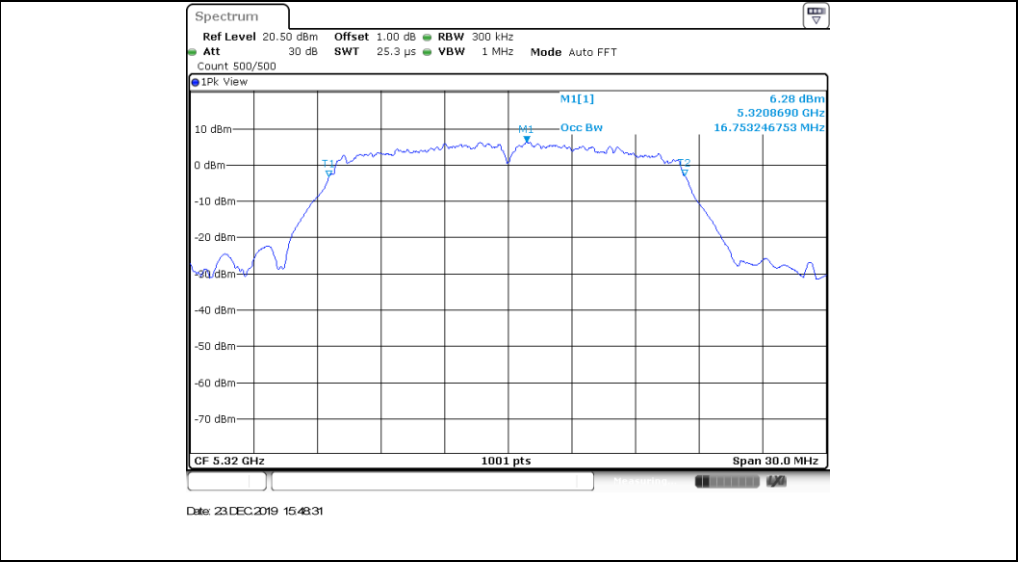
CH_L



CH_M

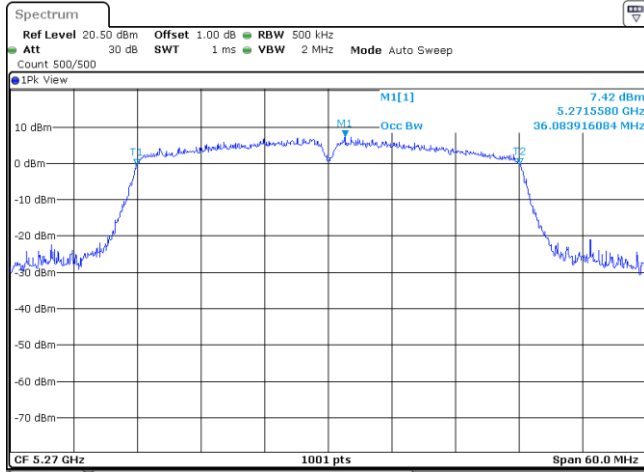


CH_H



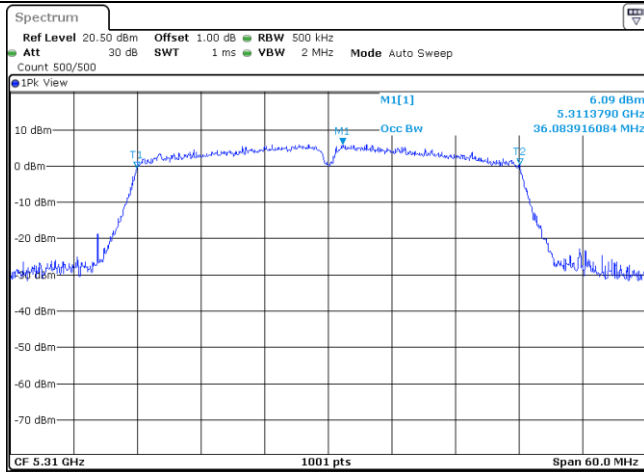
Band II **802.11ac (HT40)**

CH_L



Date: 23 DEC 2019 16:54:38

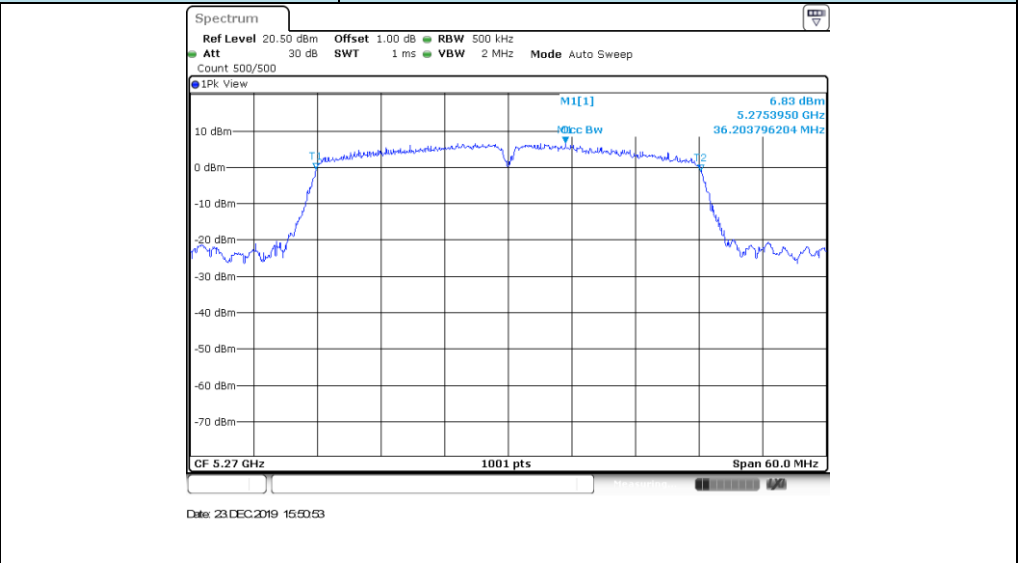
CH_H



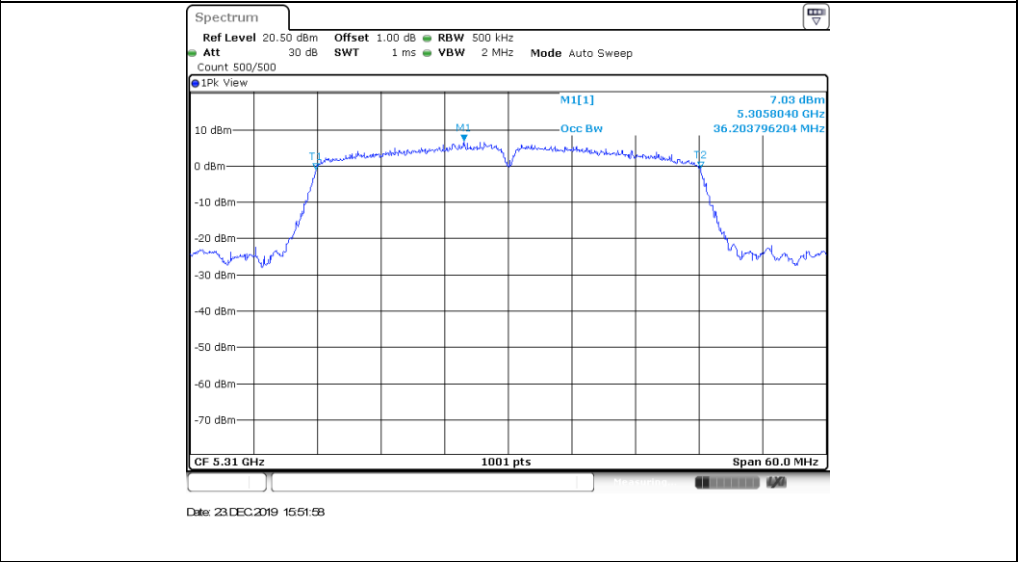
Date: 23 DEC 2019 16:55:05

Band II **802.11n (HT40)**

CH_L

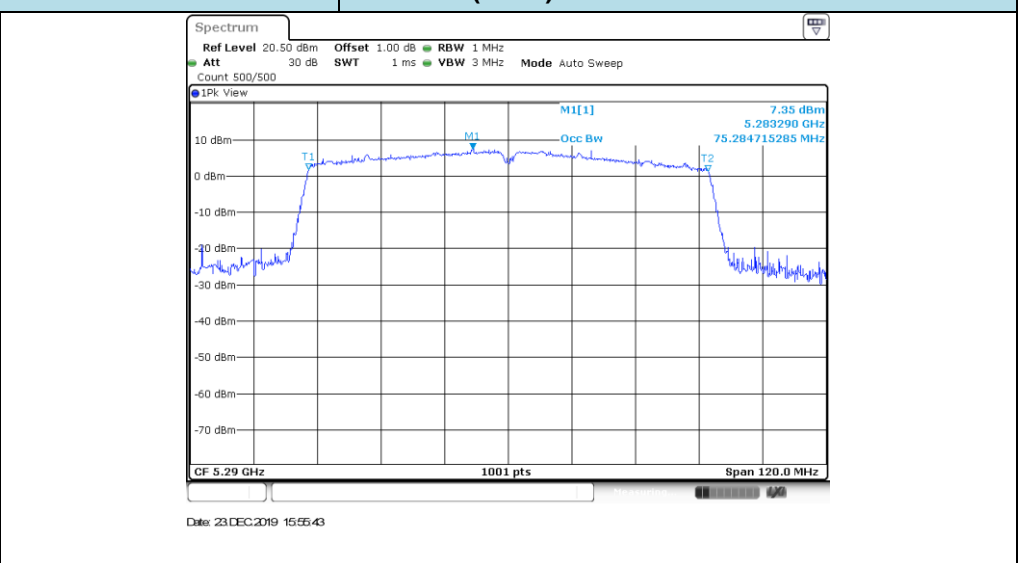


CH_H



Band II **802.11ac (HT80)**

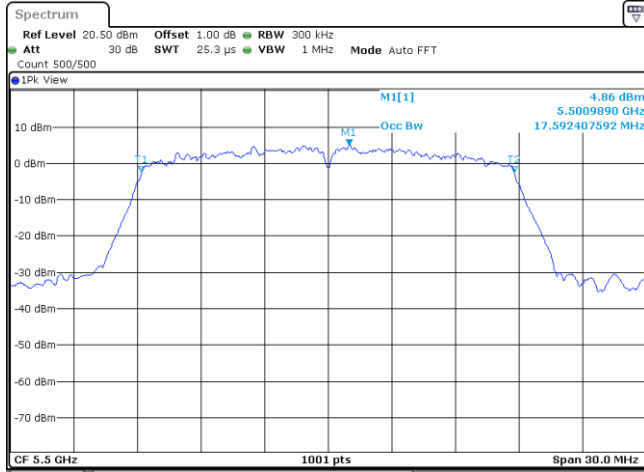
CH_M



Band III

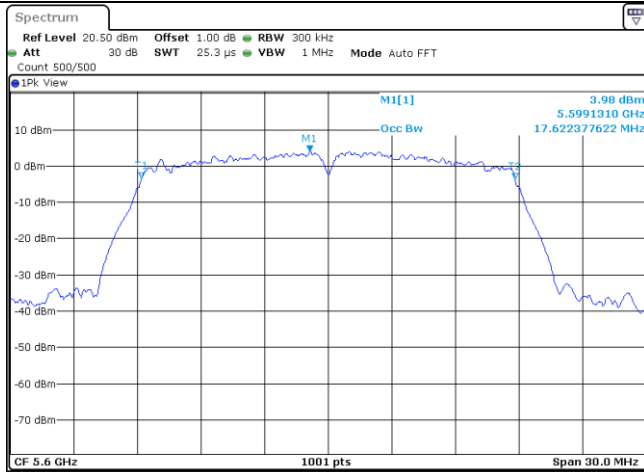
802.11ac (HT20)

CH_L



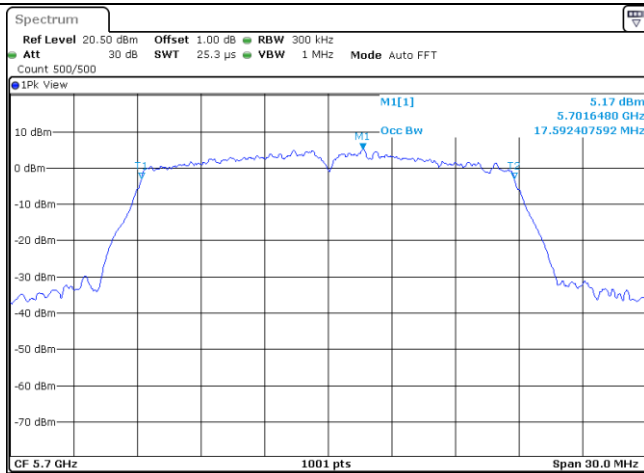
Date: 23 DEC 2019 16:07:59

CH_M



Date: 23 DEC 2019 16:08:29

CH_H

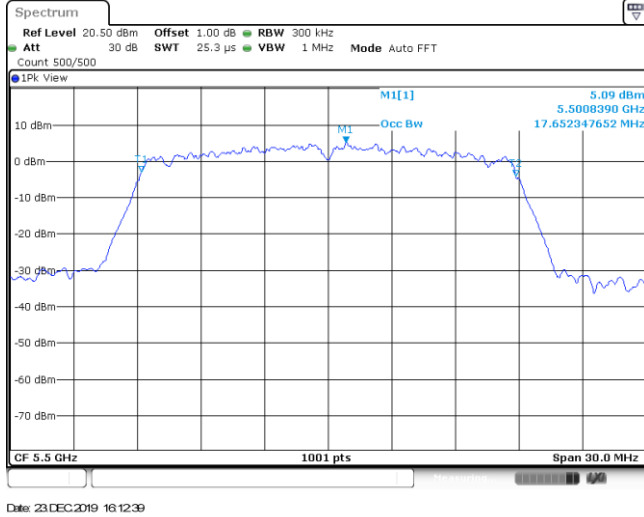


Date: 23 DEC 2019 16:08:57

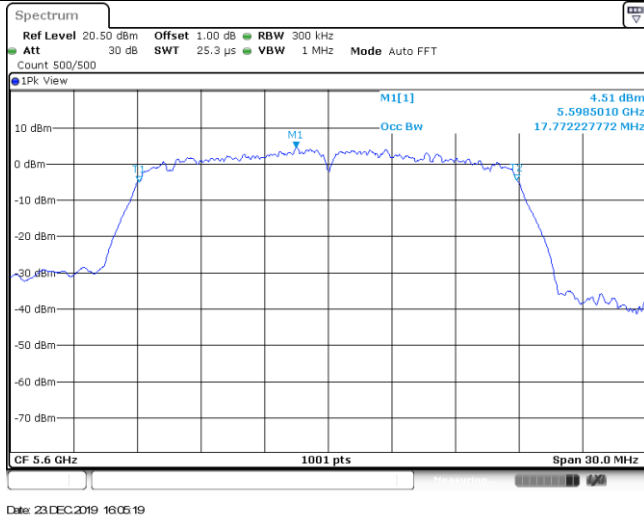
Band III

802.11n (HT20)

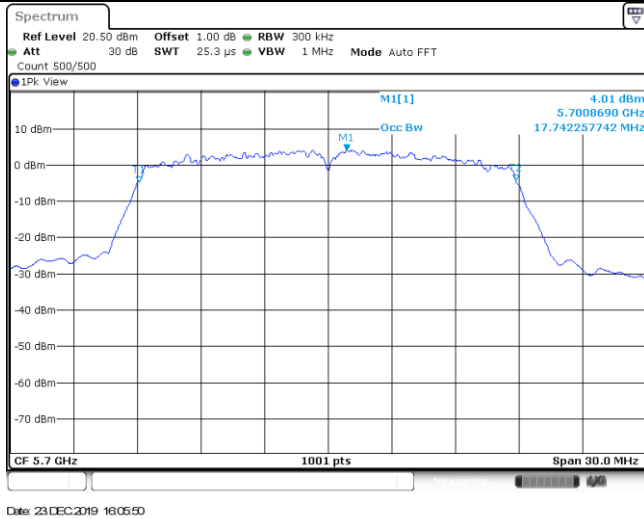
CH_L

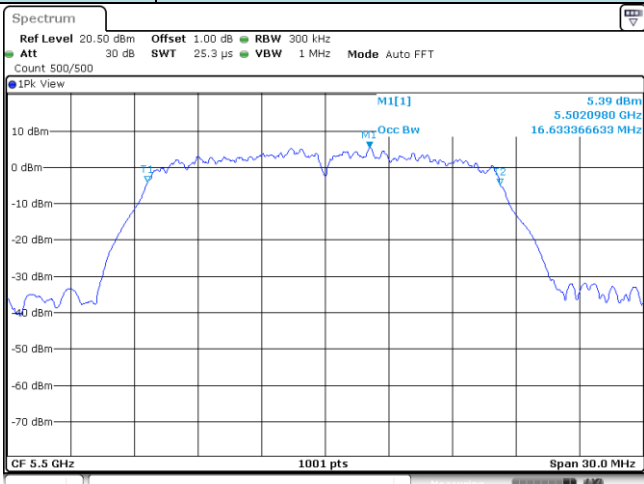
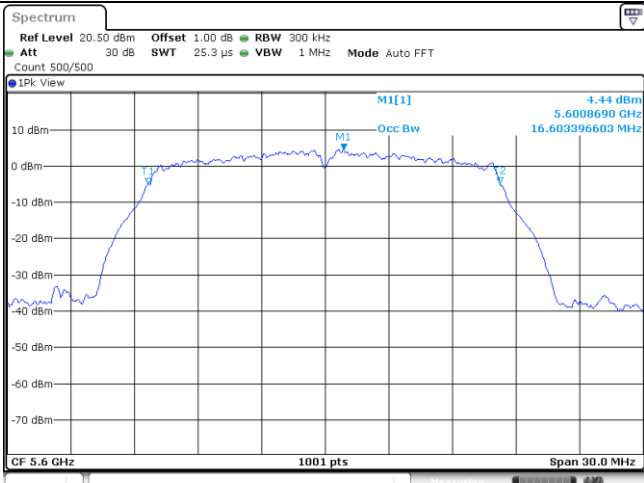
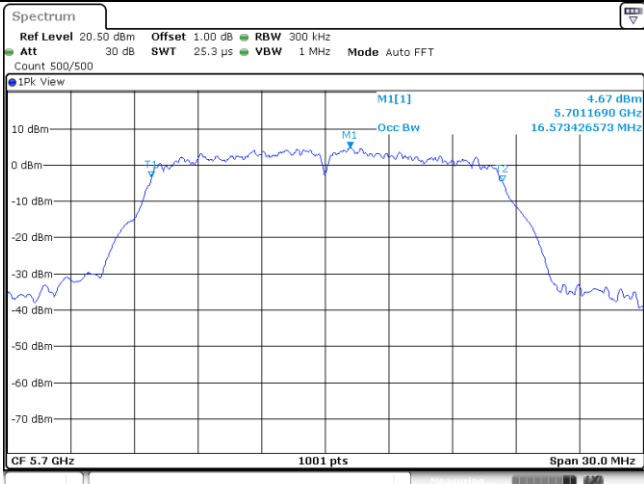


CH_M



CH_H

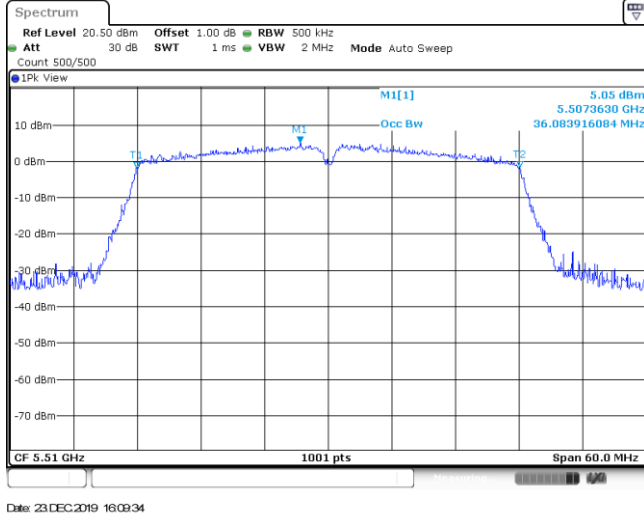


Band III		802.11a
CH _L	 <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 IPK View M1[1] 5.39 dBm 5.5020980 GHz 16.633366633 MHz Occ Bw CF 5.5 GHz 1001 pts Span 30.0 MHz Date: 23 DEC 2019 16:02:38</p>	
CH _M	 <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 IPK View M1[1] 4.44 dBm 5.6008690 GHz 16.603396603 MHz Occ Bw CF 5.6 GHz 1001 pts Span 30.0 MHz Date: 23 DEC 2019 16:03:10</p>	
CH _H	 <p>Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 500/500 IPK View M1[1] 4.67 dBm 5.7011690 GHz 16.579426573 MHz Occ Bw CF 5.7 GHz 1001 pts Span 30.0 MHz Date: 23 DEC 2019 16:03:46</p>	

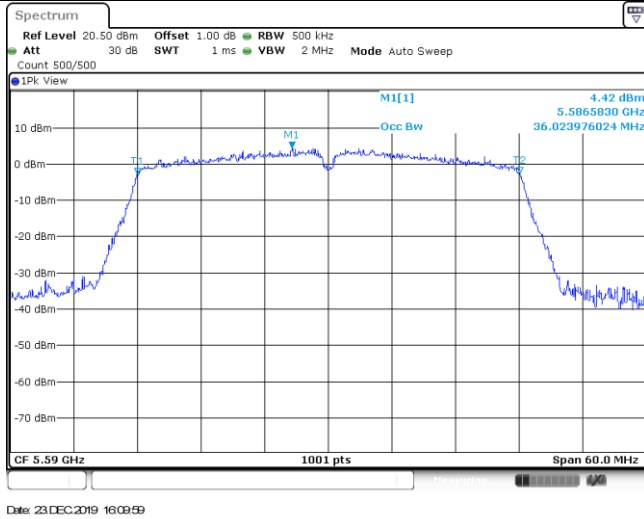
Band III

802.11ac (HT40)

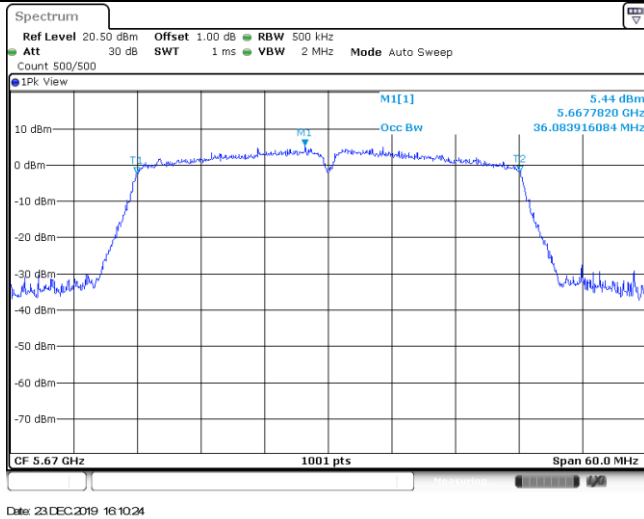
CH_L



CH_M



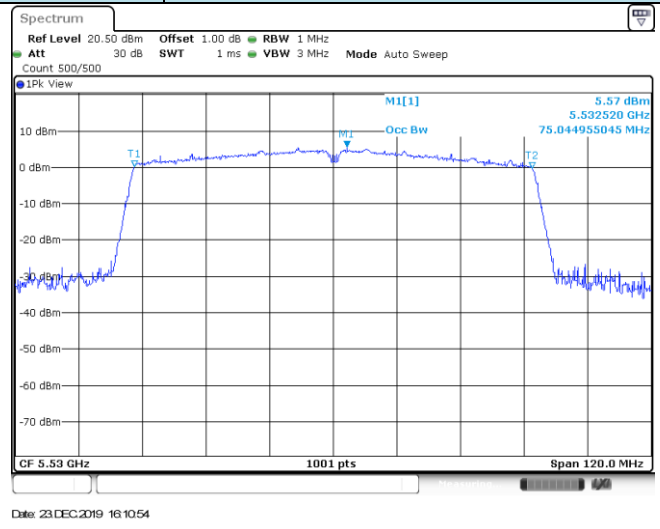
CH_H



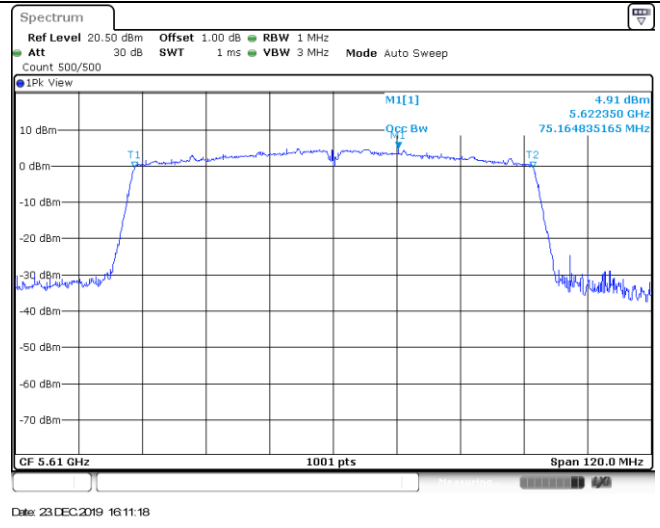
Band III		802.11n (HT40)
CH _L	<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Count 500/500 IPK View M1[1] 5.29 dBm 5.5047250 GHz 36.083916084 MHz CF 5.51 GHz 1001 pts Span 60.0 MHz Date: 23 DEC 2019 16:08:23 </p>	
CH _M	<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Count 500/500 IPK View M1[1] 4.32 dBm 5.5857440 GHz 36.143856144 MHz CF 5.59 GHz 1001 pts Span 60.0 MHz Date: 23 DEC 2019 16:08:53 </p>	
CH _H	<p> Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 500 kHz Att 30 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep Count 500/500 IPK View M1[1] 4.79 dBm 5.6720380 GHz 36.203796204 MHz CF 5.67 GHz 1001 pts Span 60.0 MHz Date: 23 DEC 2019 16:07:21 </p>	

Band III **802.11ac (HT80)**

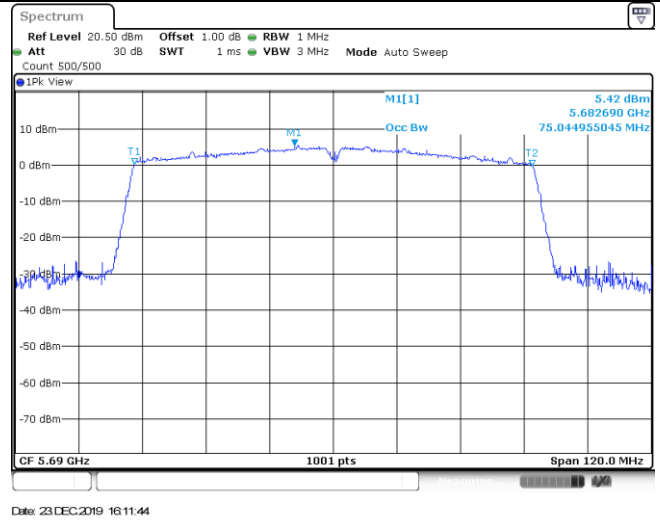
CH_L



CH_M

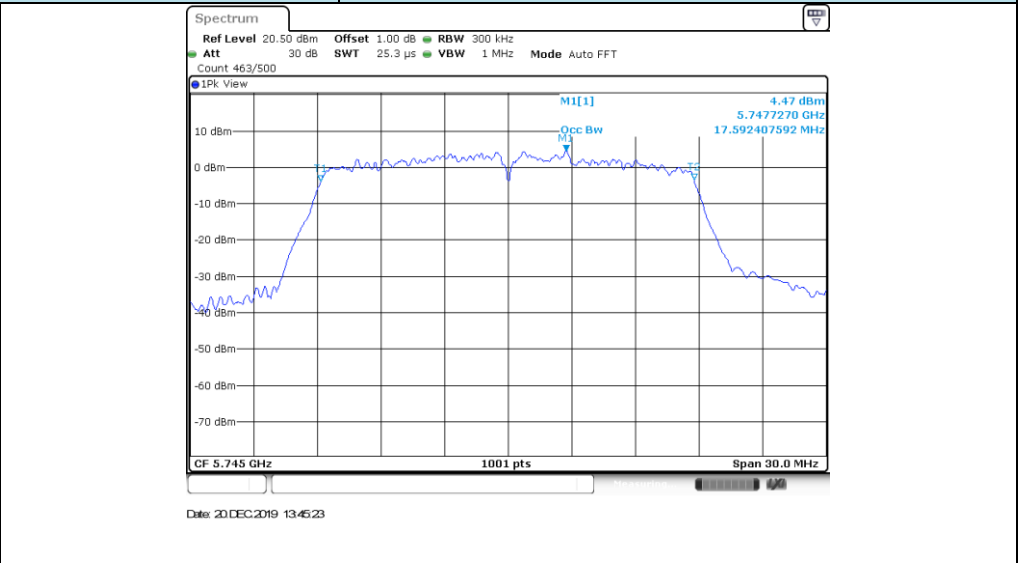


CH_H

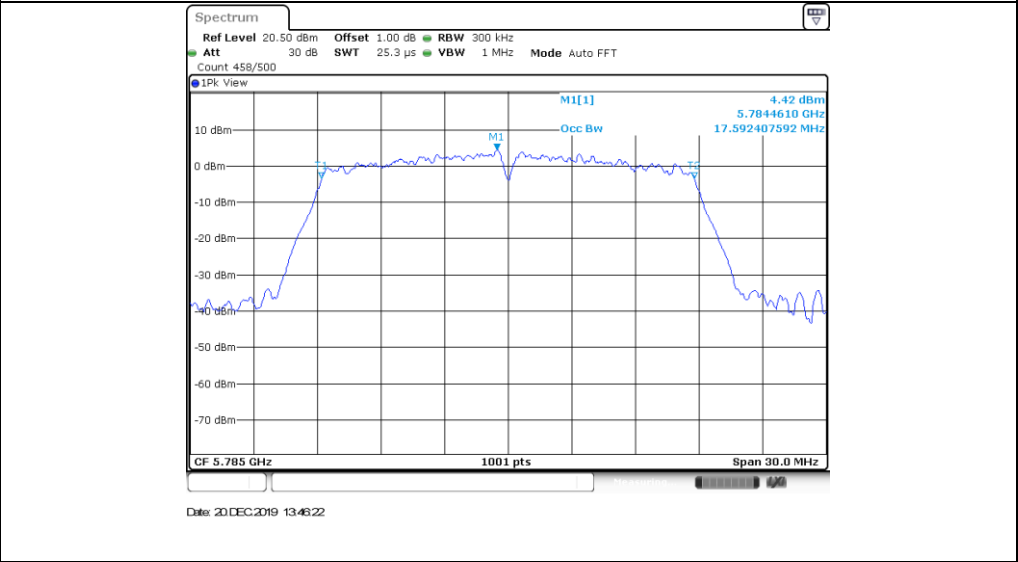


Band IV **802.11ac (HT20)**

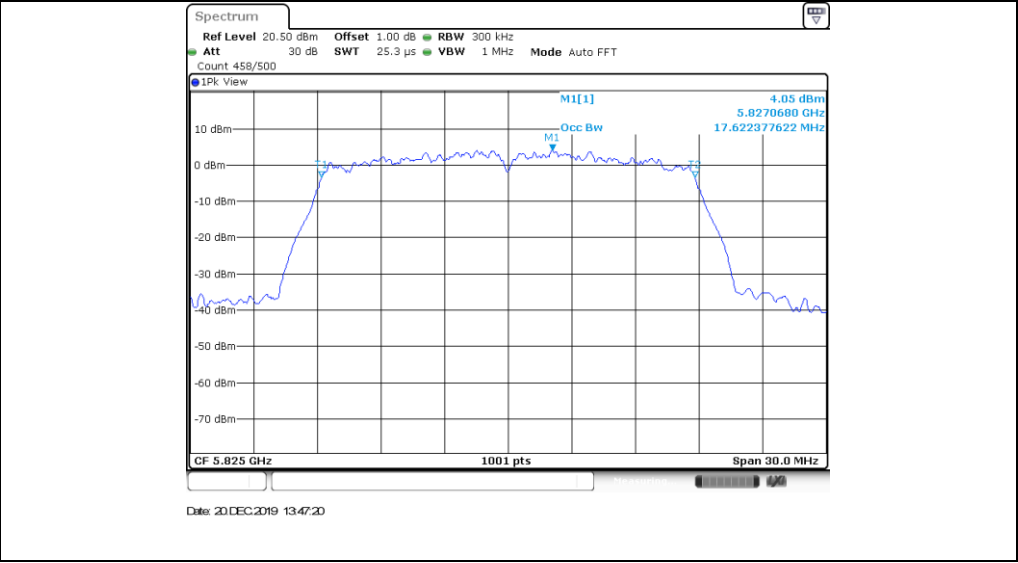
CH_L



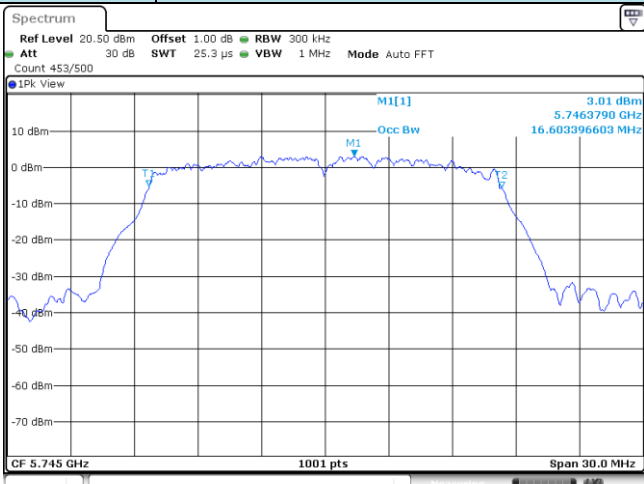
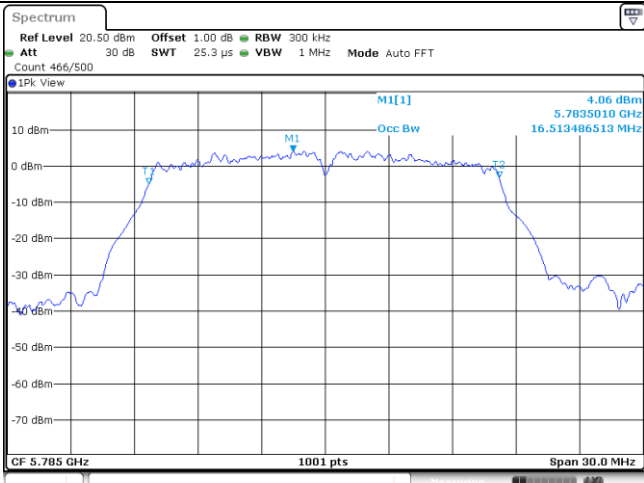
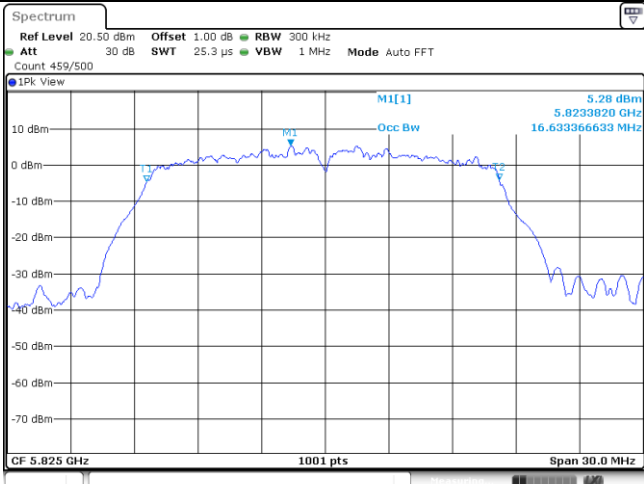
CH_M



CH_H

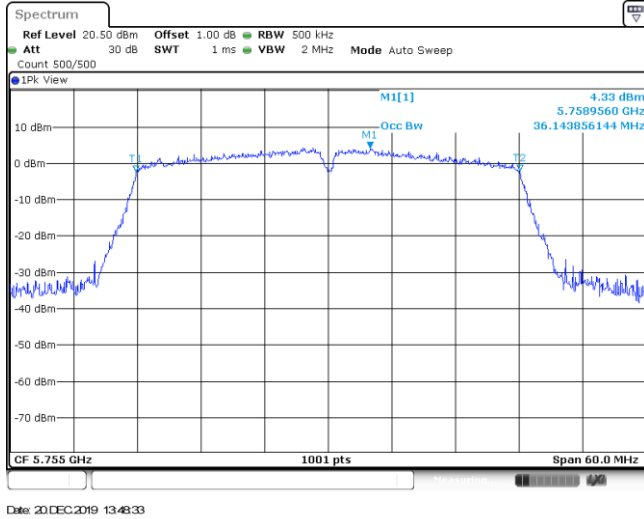


Band IV		802.11n (HT20)
CH _L	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 460/500 IPK View M1[1] 3.87 dBm 5.7463790 GHz Occ Bw 17.77227772 MHz M1 CF 5.745 GHz 1001 pts Span 30.0 MHz Date: 20 DEC 2019 13:40:01</p>	
CH _M	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 461/500 IPK View M1[1] 4.29 dBm 5.7895810 GHz Occ Bw 17.592407592 MHz M1 CF 5.785 GHz 1001 pts Span 30.0 MHz Date: 20 DEC 2019 13:40:57</p>	
CH _H	<p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 462/500 IPK View M1[1] 5.01 dBm 5.8258390 GHz Occ Bw 17.652347652 MHz M1 CF 5.825 GHz 1001 pts Span 30.0 MHz Date: 20 DEC 2019 13:41:59</p>	

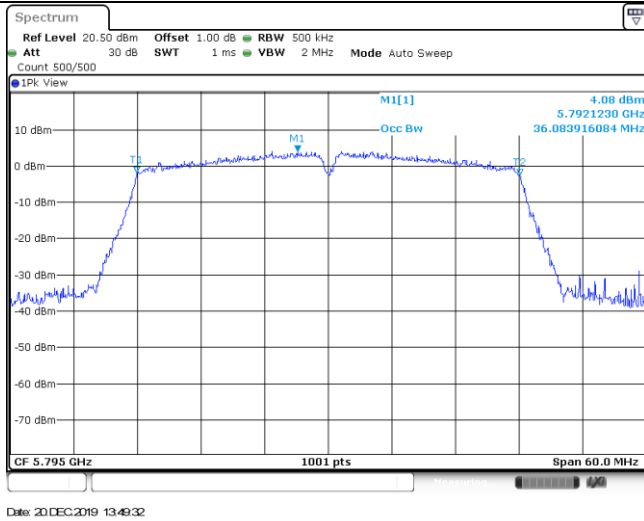
Band IV		802.11a
CH _L	 <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 453/500 IPK View M1[1] 3.01 dBm Occ Bw 5.7463790 GHz M1 16.603396603 MHz CF 5.745 GHz 1001 pts Span 30.0 MHz Date: 20 DEC 2019 13:36:14</p>	
CH _M	 <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 466/500 IPK View M1[1] 4.06 dBm Occ Bw 5.7835010 GHz M1 16.513486513 MHz CF 5.785 GHz 1001 pts Span 30.0 MHz Date: 20 DEC 2019 13:37:15</p>	
CH _H	 <p>Spectrum Ref Level 20.50 dBm Offset 1.00 dB RBW 300 kHz Att 30 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT Count 459/500 IPK View M1[1] 5.28 dBm Occ Bw 5.8233820 GHz M1 16.633366633 MHz CF 5.825 GHz 1001 pts Span 30.0 MHz Date: 20 DEC 2019 13:38:13</p>	

Band IV **802.11ac (HT40)**

CH_L



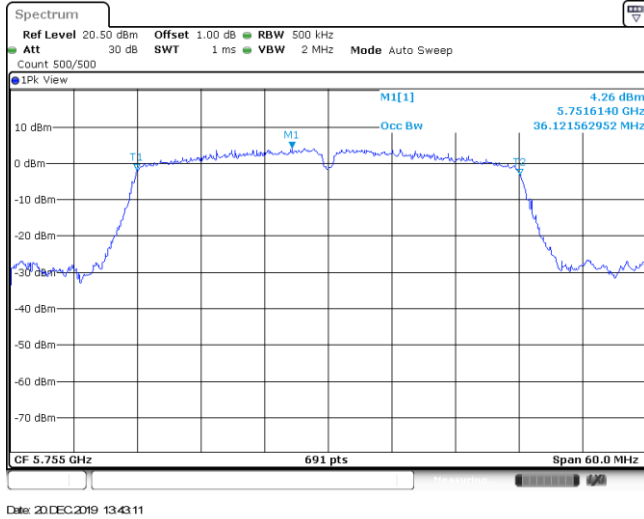
CH_H



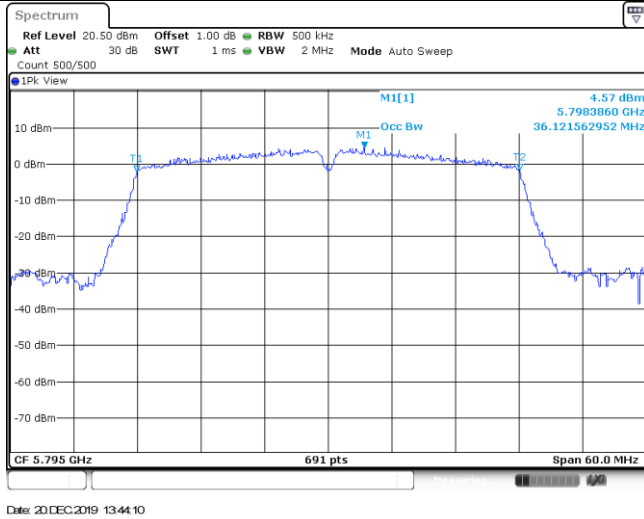
Band IV

802.11n (HT40)

CH_L



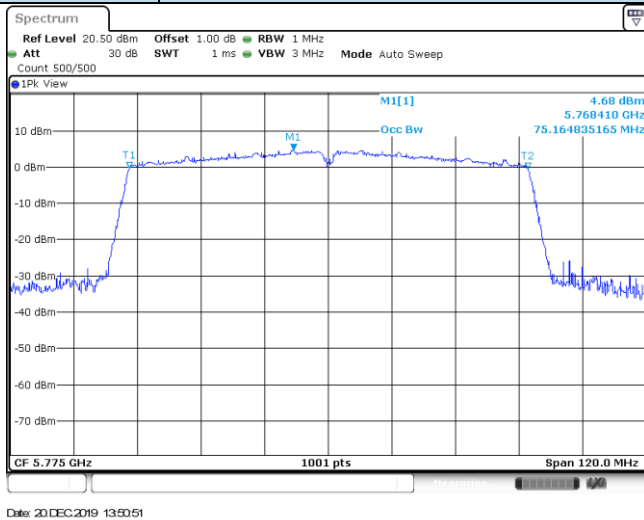
CH_H



Band IV

802.11ac (HT80)

CH_M



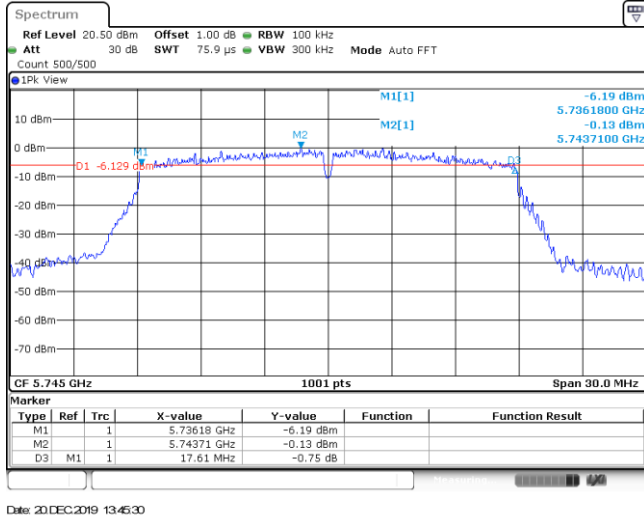
Appendix E: 6dB Bandwidth

Band	Bandwidth (MHz)	Type	Channel	6dB bandwidth (MHz)	Result
IV	20	802.11ac	CH _L	17.61	Pass
			CH _M	13.86	
			CH _H	15.12	
		802.11n	CH _L	16.71	Pass
			CH _M	13.62	
			CH _H	14.43	
		802.11a	CH _L	13.05	Pass
			CH _M	14.49	
			CH _H	14.01	
	40	802.11ac	CH _L	35.22	Pass
			CH _H	28.98	
		802.11n	CH _L	35.30	Pass
CH _H			35.30		
80	802.11ac	CH _M	75.36	Pass	

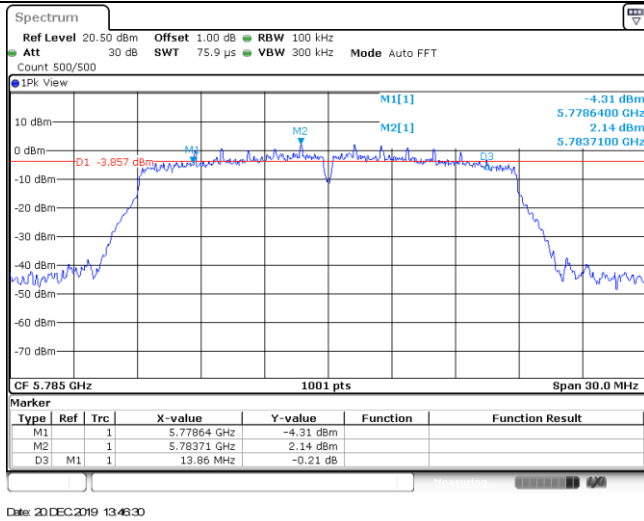
Band IV

802.11ac (HT20)

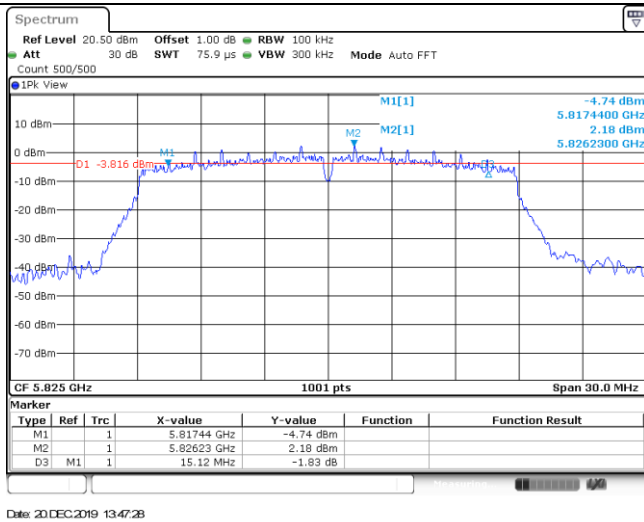
CH_L



CH_M



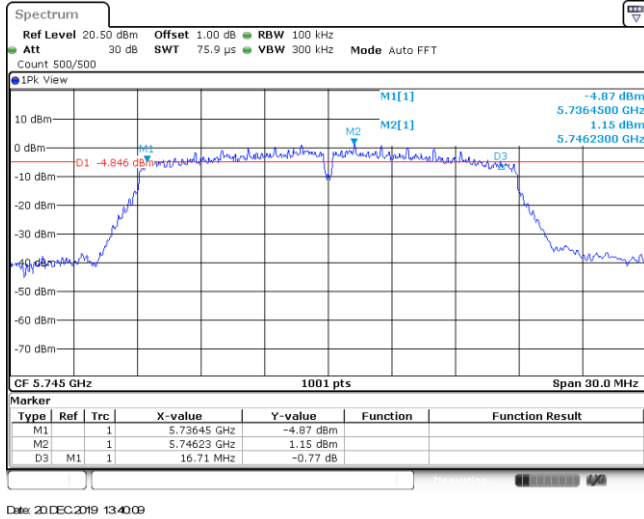
CH_H



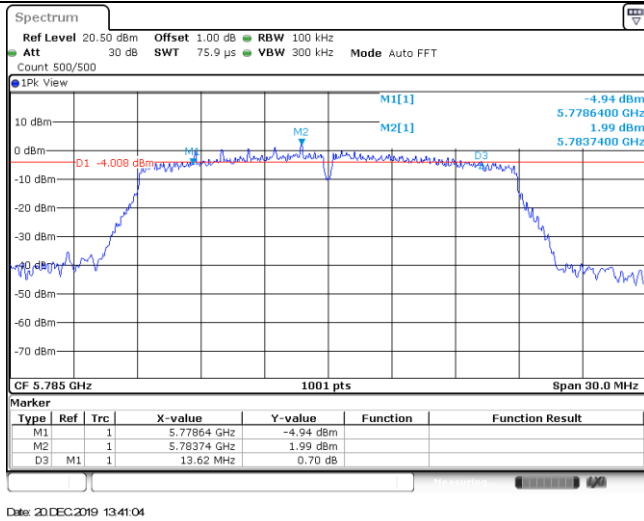
Band IV

802.11n (HT20)

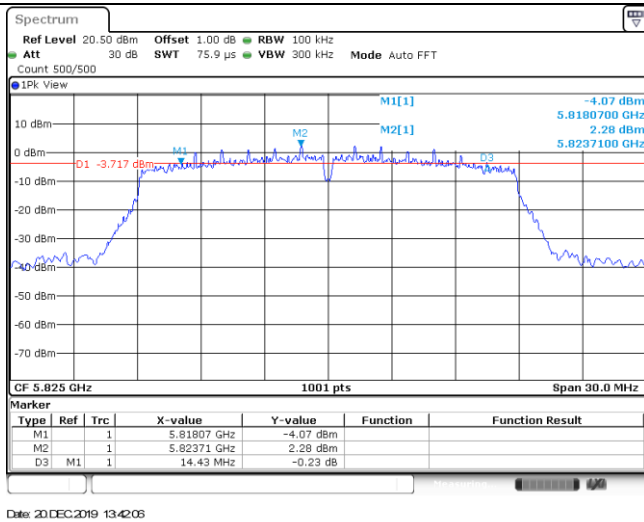
CH_L



CH_M

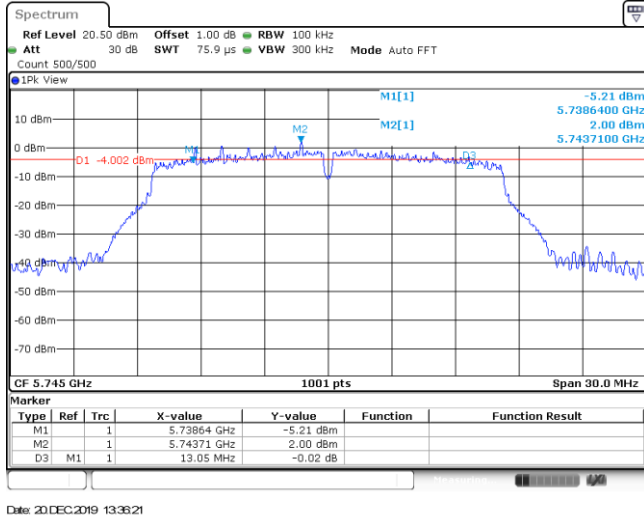


CH_H

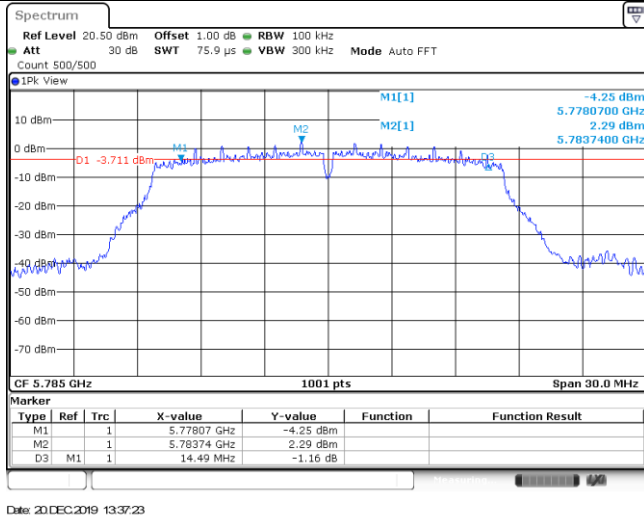


Band IV **802.11a**

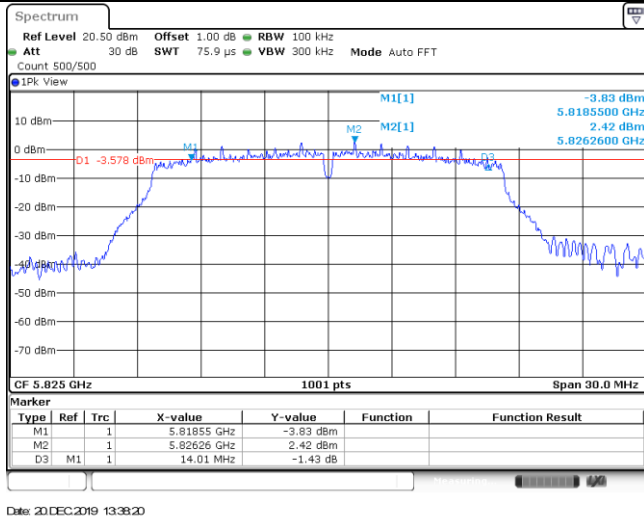
CH_L



CH_M



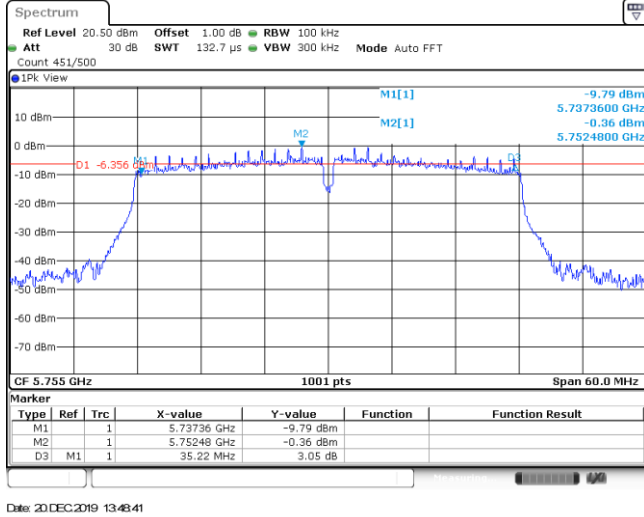
CH_H



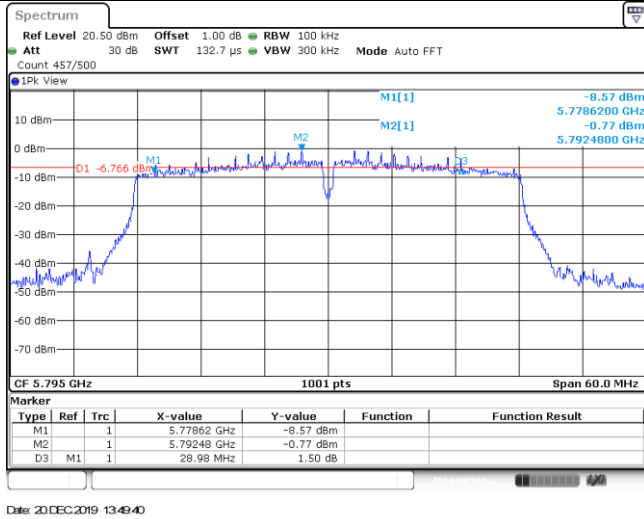
Band IV

802.11ac (HT40)

CH_L

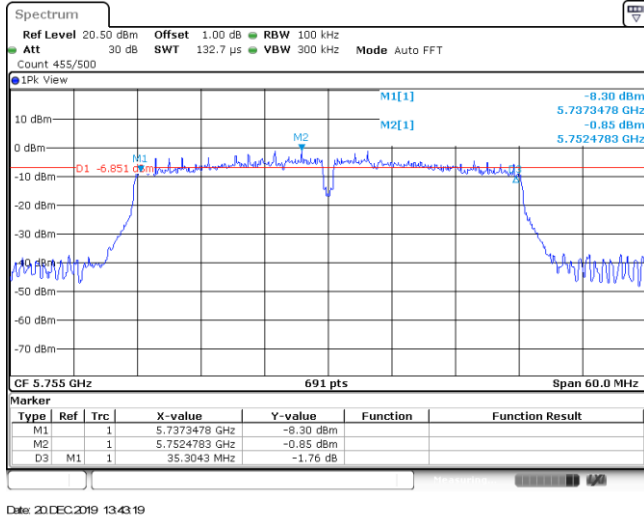


CH_H

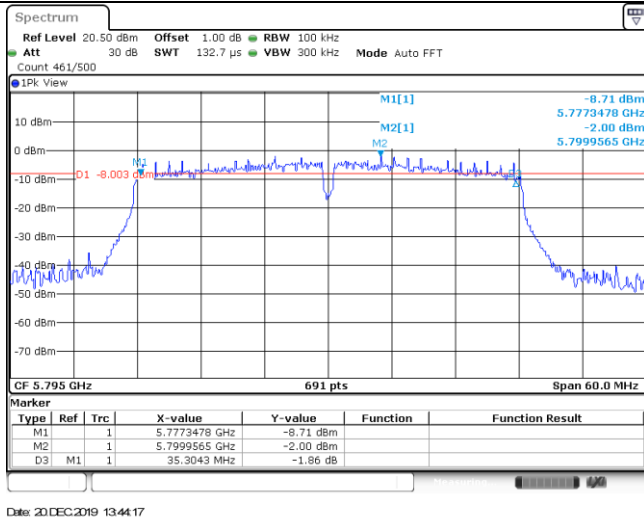


Band IV **802.11n (HT40)**

CH_L

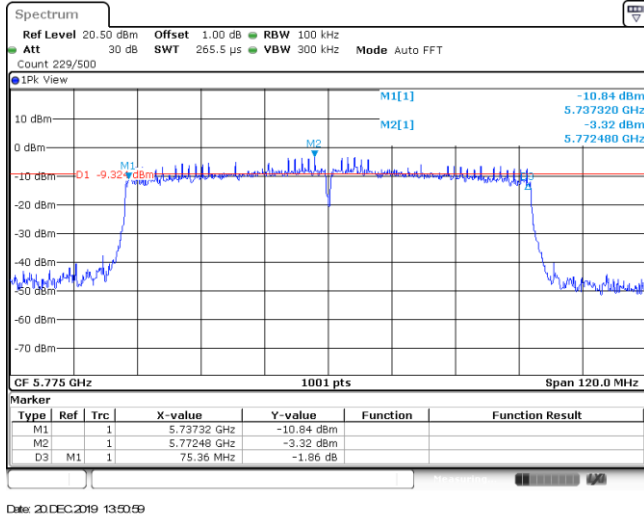


CH_H



Band IV **802.11ac (HT80)**

CH_M



Appendix F: 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	-4000.00	-0.77220	PASS
T _N	V _N	-3000.00	-0.57915	PASS
T _N	V _H	-4000.00	-0.77220	PASS

Band: II			Test Frequency: 5260.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T _N	V _L	-5000.00	-0.95057	PASS
T _N	V _N	-5000.00	-0.95057	PASS
T _N	V _H	-5000.00	-0.95057	PASS

Band: III			Test Frequency: 5500.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T _N	V _L	-3000.00	-0.54546	PASS
T _N	V _N	-3000.00	-0.54546	PASS
T _N	V _H	-4000.00	-0.72727	PASS

Band: IV			Test Frequency: 5745.00MHz	
Temperature (°C)	Voltage (V)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
T _N	V _L	-22000.00	-3.82942	PASS
T _N	V _N	-22000.00	-3.82942	PASS
T _N	V _H	-22000.00	-3.82942	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	-6000.00	-1.15830	PASS
V _N	-10	-7000.00	-1.35135	PASS
V _N	0	-8000.00	-1.54440	PASS
V _N	10	-8000.00	-1.54440	PASS
V _N	20	-9000.00	-1.73745	PASS
V _N	30	-10000.00	-1.93050	PASS
V _N	40	-10000.00	-1.93050	PASS
V _N	50	-10000.00	-1.93050	PASS

Band: II			Test Frequency: 5260.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	-7000.00	-1.33080	PASS
V _N	-10	-8000.00	-1.52091	PASS
V _N	0	-9000.00	-1.71103	PASS
V _N	10	-9000.00	-1.71103	PASS
V _N	20	-10000.00	-1.90114	PASS
V _N	30	-10000.00	-1.90114	PASS
V _N	40	-11000.00	-2.09126	PASS
V _N	50	-11000.00	-2.09126	PASS

Band: III			Test Frequency: 5500.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	-6000.00	-1.09091	PASS
V _N	-10	-7000.00	-1.27273	PASS
V _N	0	-8000.00	-1.45455	PASS
V _N	10	-9000.00	-1.63636	PASS
V _N	20	-9000.00	-1.63636	PASS
V _N	30	-10000.00	-1.81818	PASS
V _N	40	-10000.00	-1.81818	PASS
V _N	50	-11000.00	-2.00000	PASS

Band: IV			Test Frequency: 5745.00MHz	
Voltage (V)	Temperature (°C)	Frequency Deviation (Hz)	Frequency Deviation (ppm)	Result
V _N	-20	-22000.00	-3.82942	PASS
V _N	-10	-22000.00	-3.82942	PASS
V _N	0	-22000.00	-3.82942	PASS
V _N	10	-22000.00	-3.82942	PASS
V _N	20	-22000.00	-3.82942	PASS
V _N	30	-22000.00	-3.82942	PASS
V _N	40	-22000.00	-3.82942	PASS
V _N	50	-23000.00	-4.00348	PASS

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