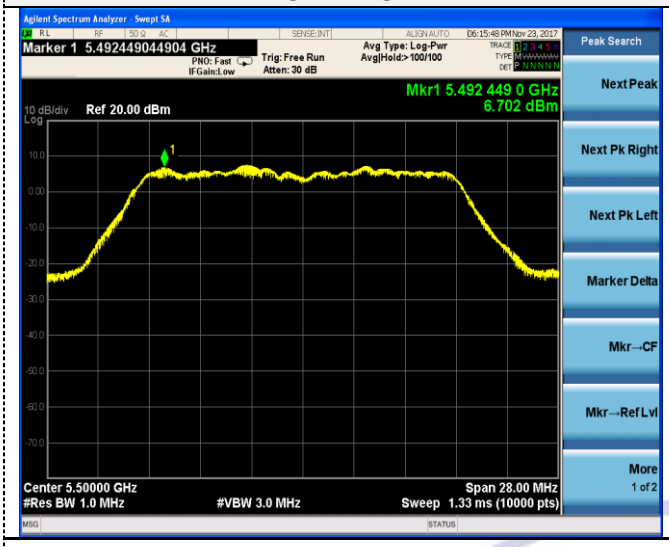
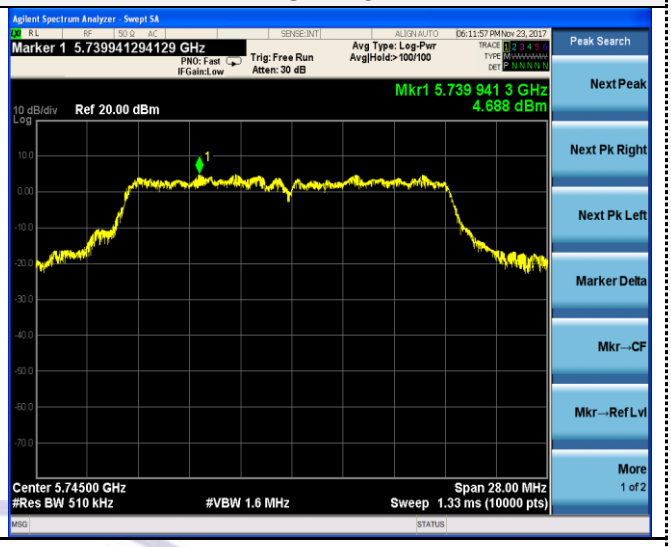
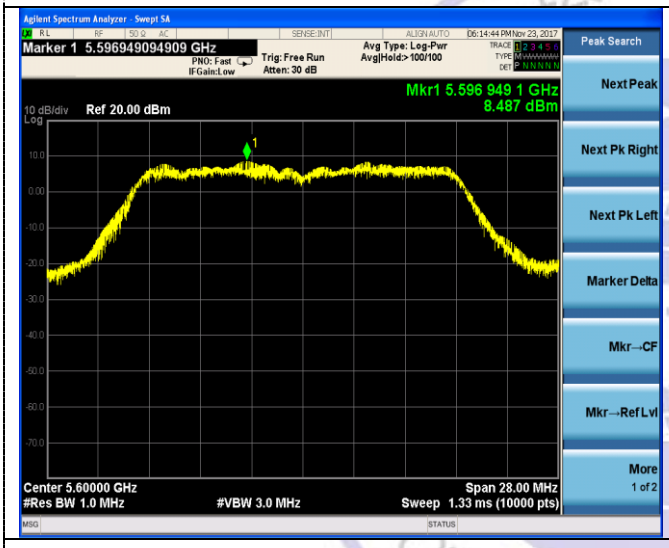
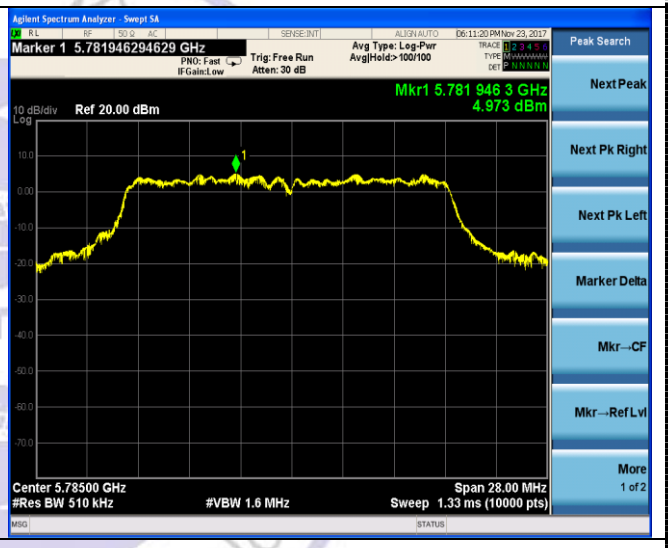
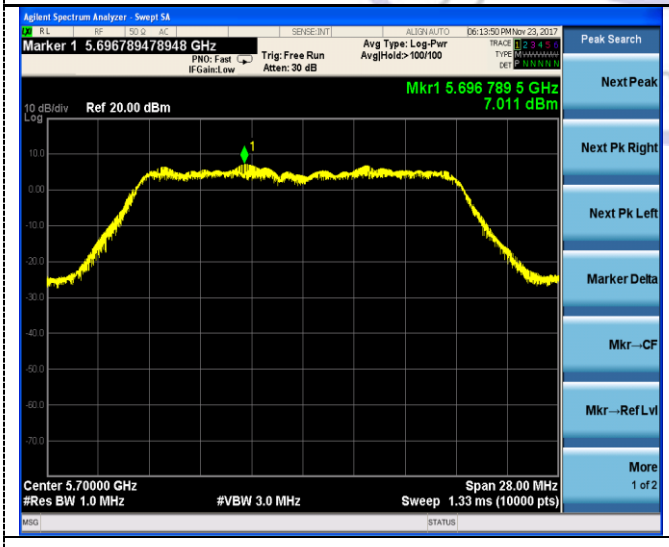
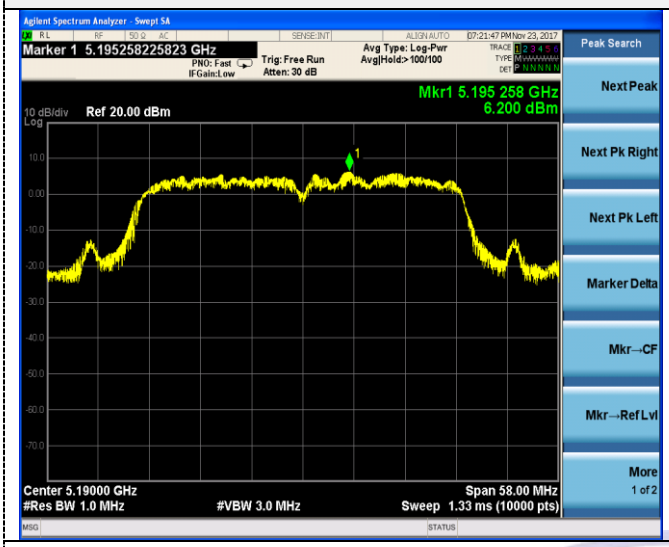
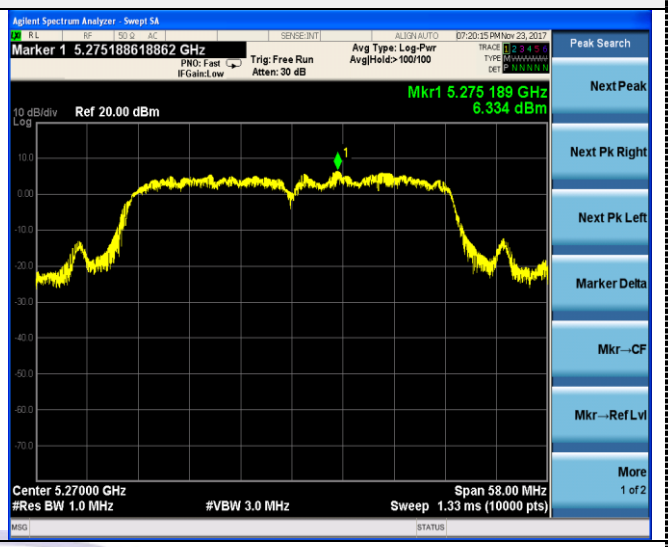
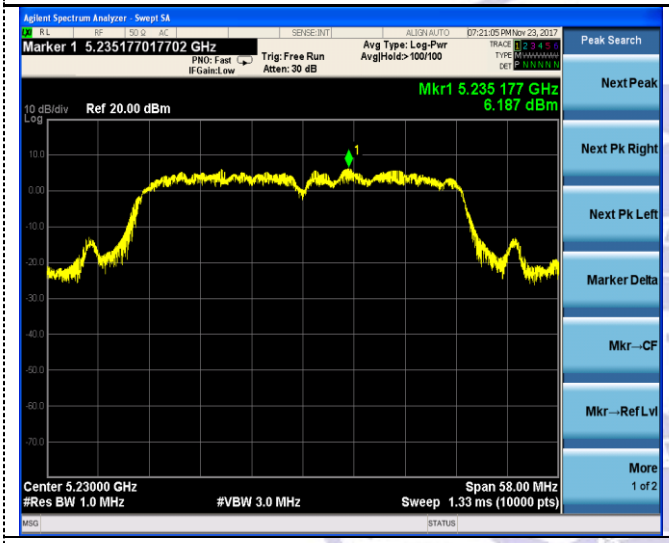
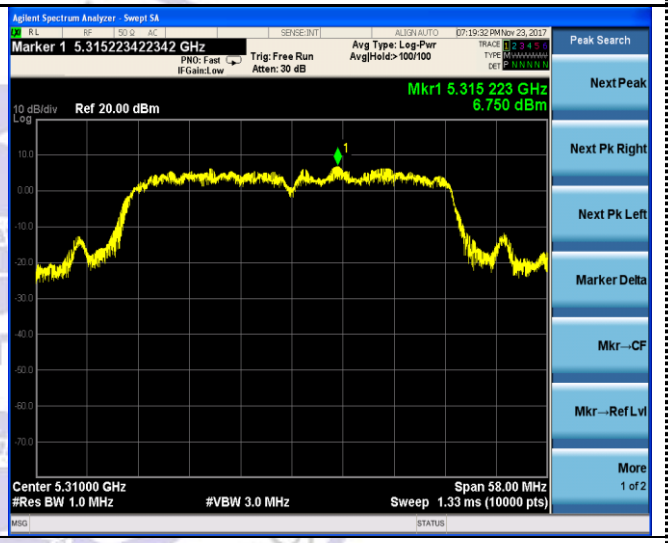
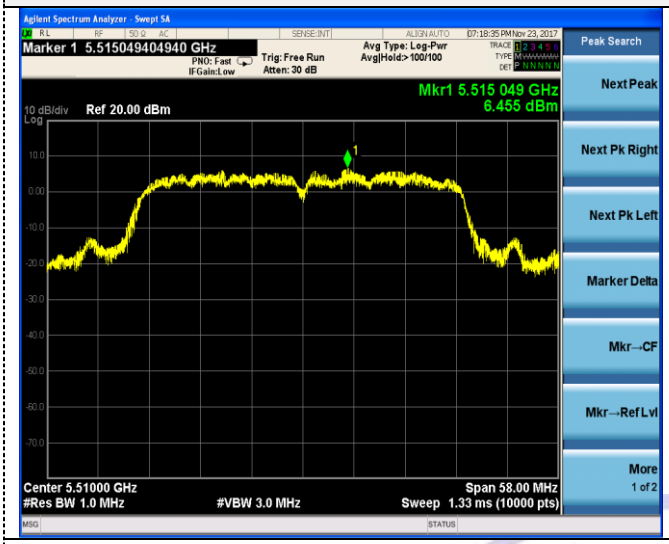
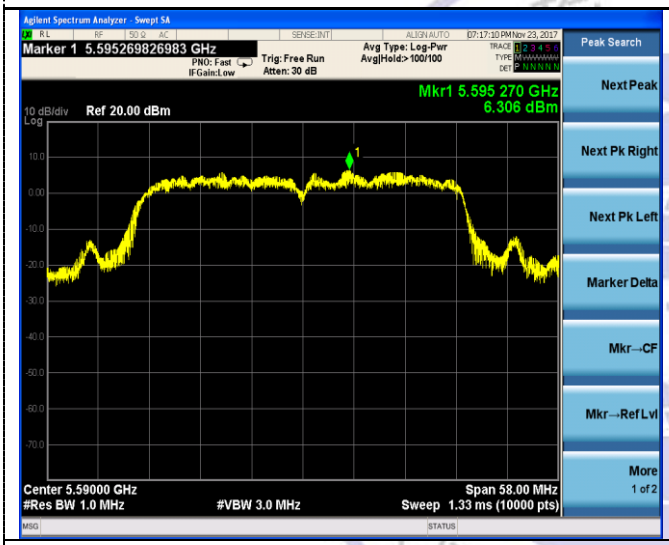
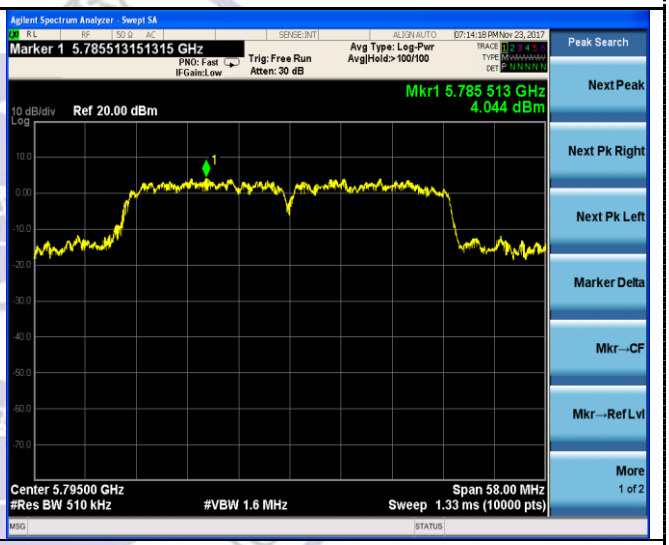
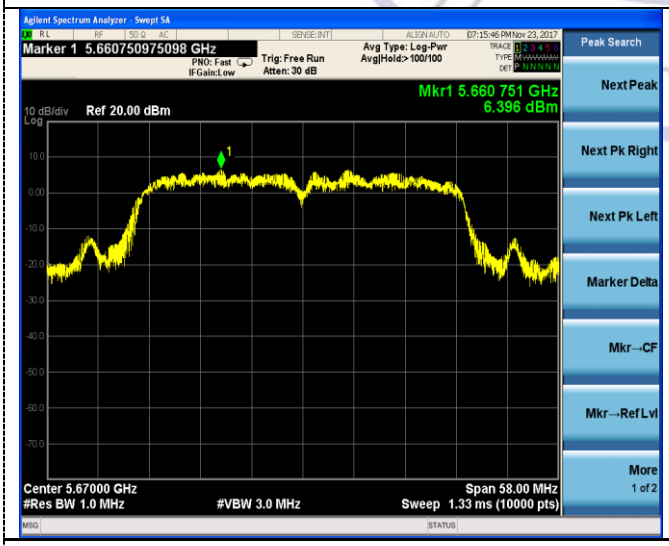
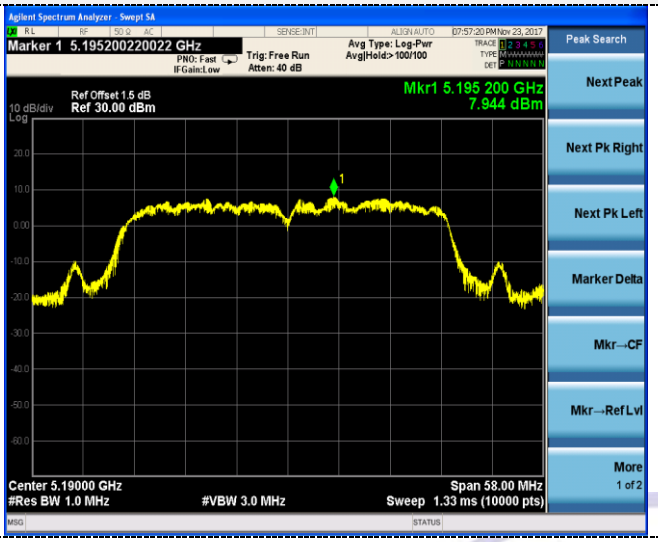
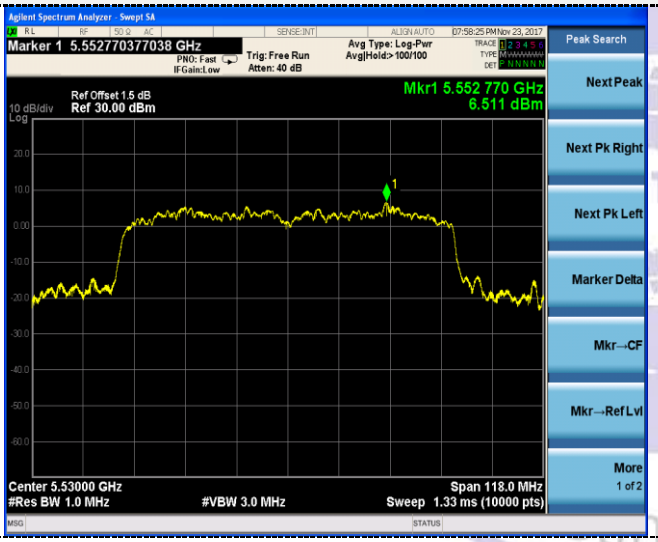
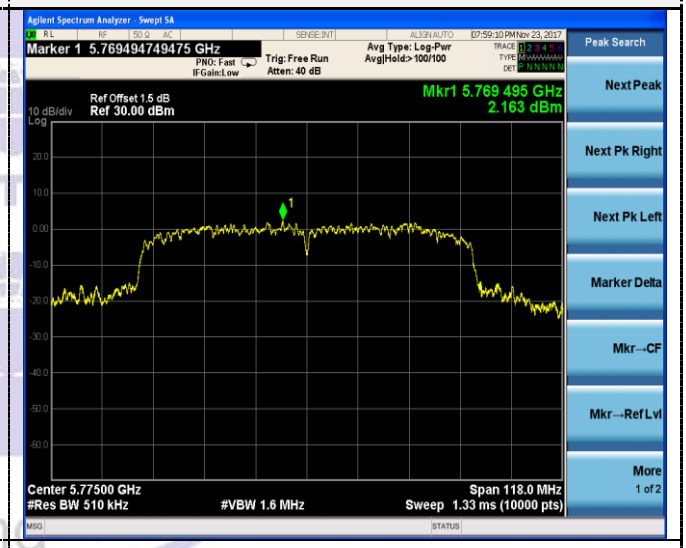
802.11ac(HT20)	
U-NII 2C	U-NII 3
	
CH100	CH149
	
CH120	CH157
	
CH140	CH165

802.11ac(HT40)	
U-NII 1	U-NII 2A
	
CH38	CH54
	
CH46	CH62

802.11ac(HT40)	
U-NII 2C	U-NII 3
	
CH102	CH151
	
CH118	CH159
	
CH134	

802.11ac(HT80)	
U-NII 1	U-NII 2A
	
CH42	CH58

802.11ac(HT80)	
U-NII 2C	U-NII 3
	
CH106	CH155
	
CH122	

3.5. Emission Bandwidth (26dBm Bandwidth)

Limit

N/A

Test Procedure

1. Set resolution bandwidth (RBW) = approximately 1 % of the EBW.
2. Set the video bandwidth (VBW) > RBW.
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW / EBW ratio is approximately 1 %.

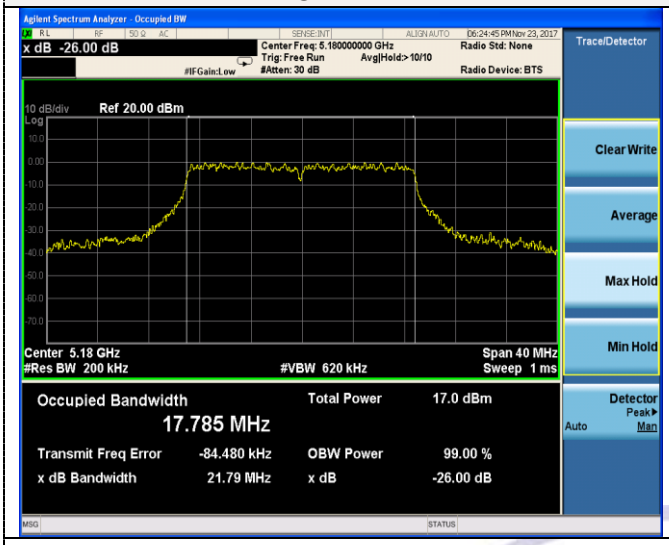
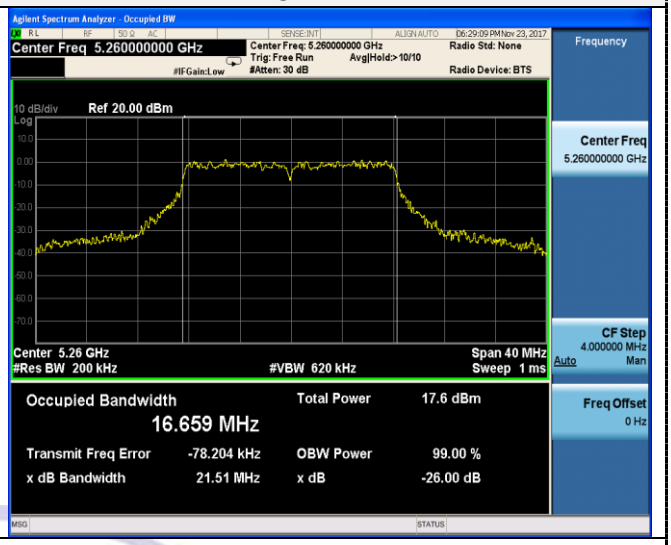
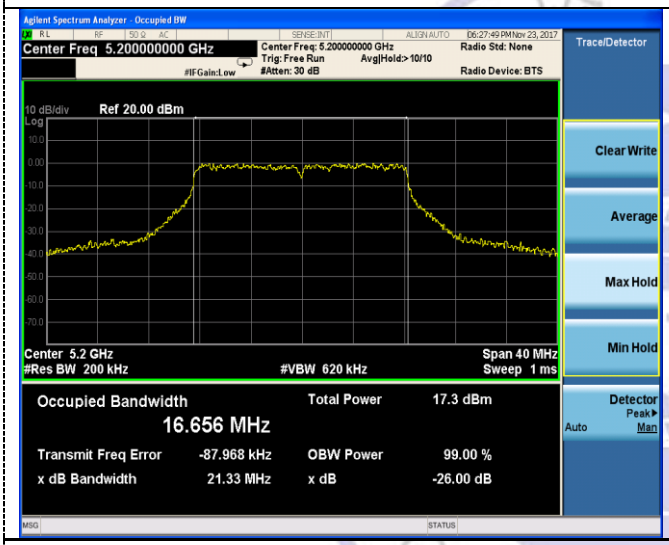
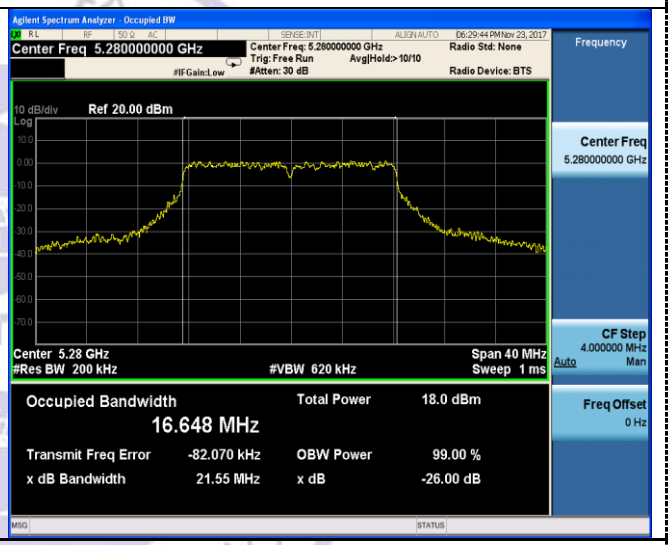
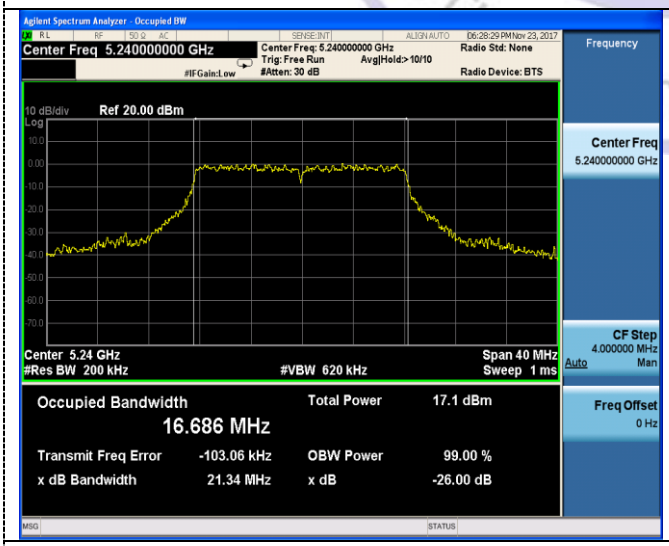
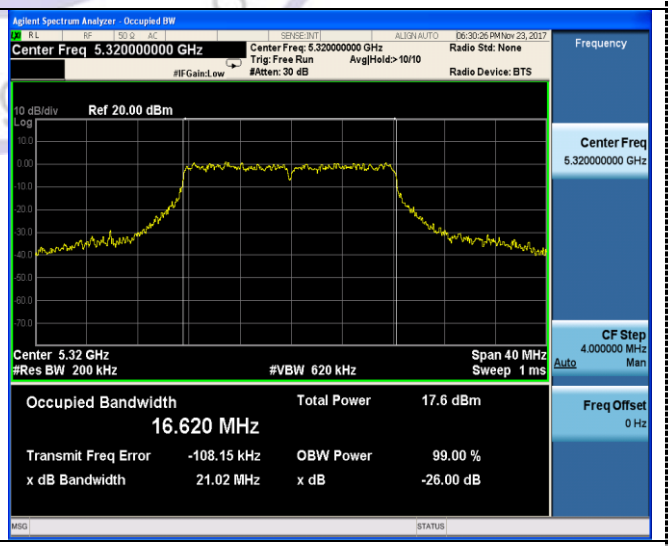
Test Configuration

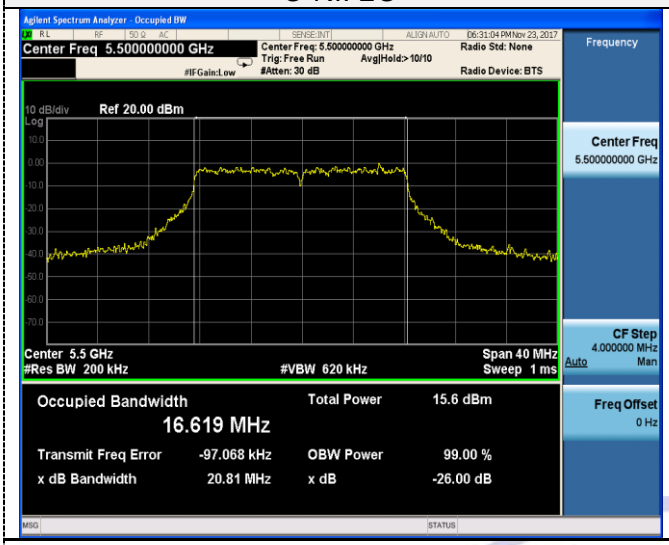
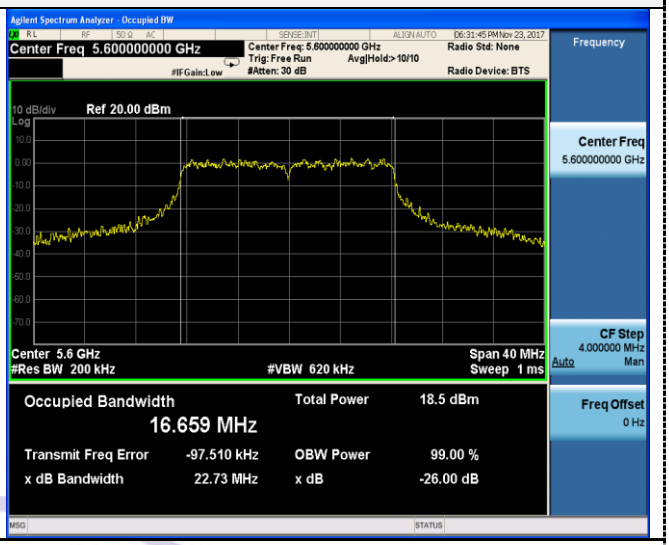
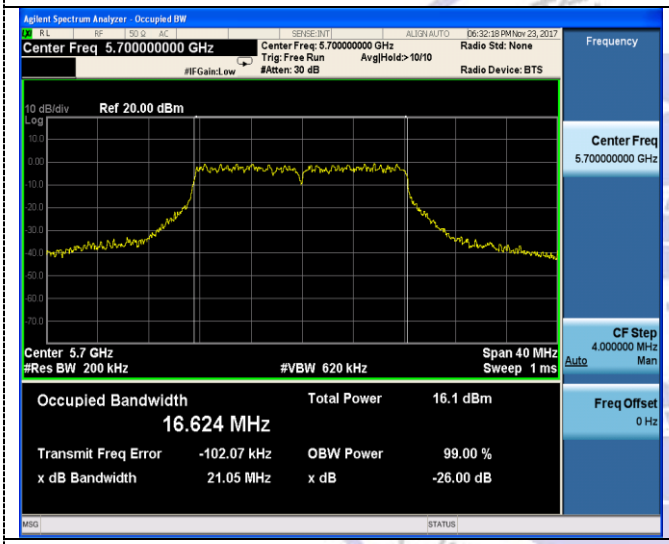
Test Results

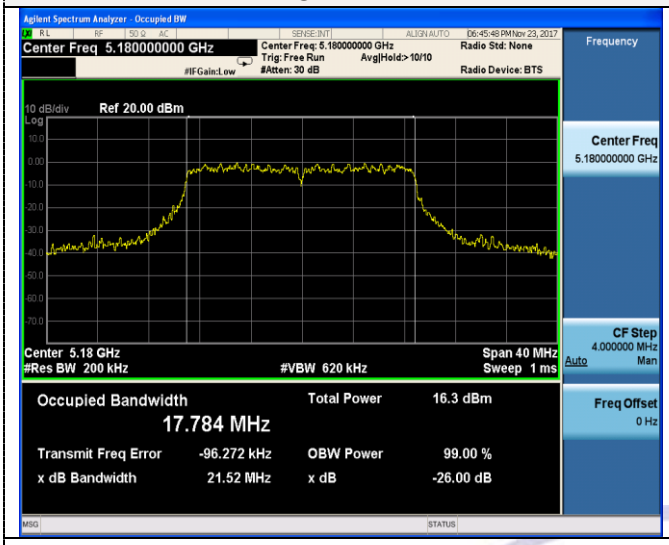
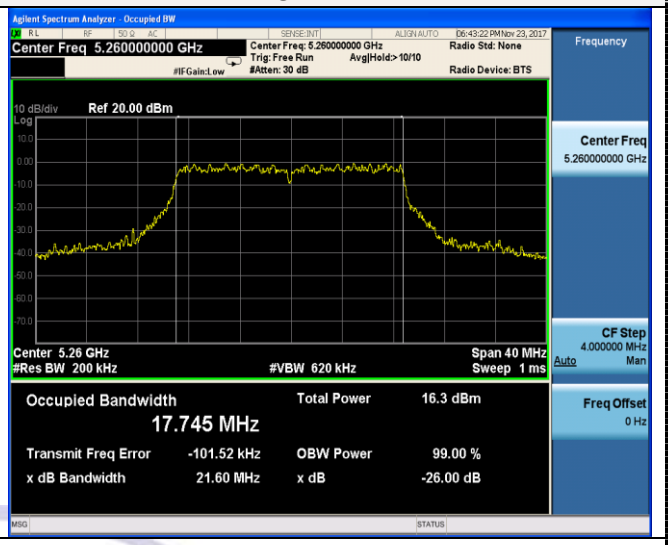
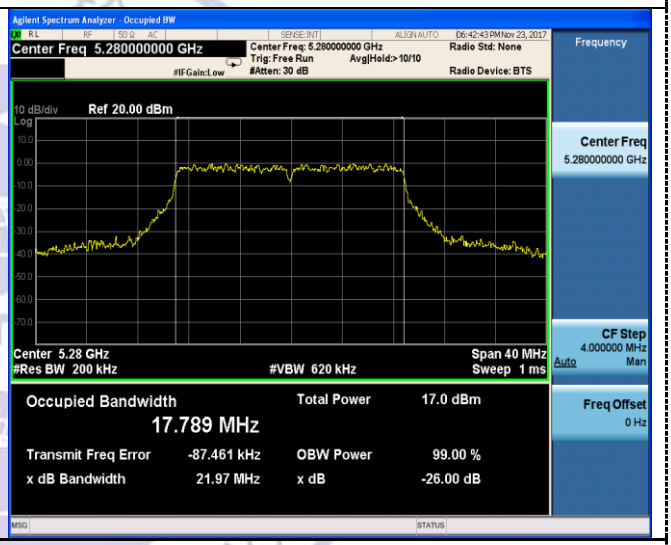
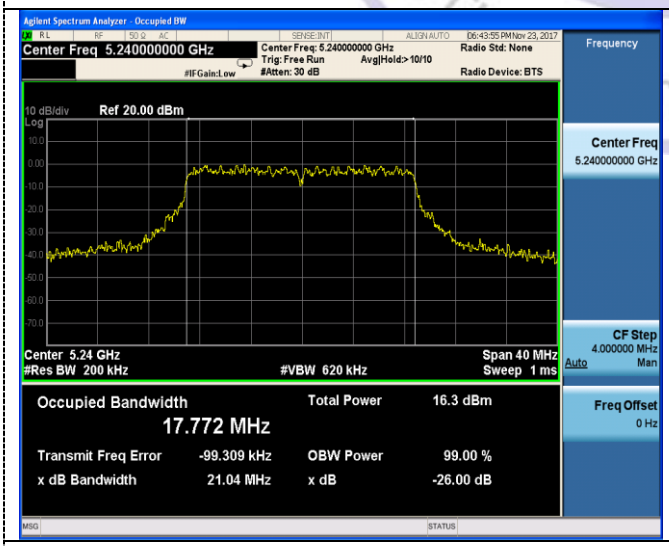
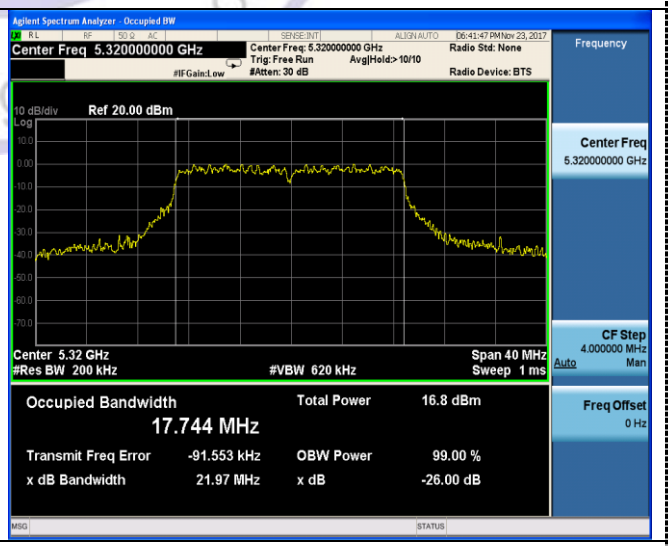
Type	Bands	Channel	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	21.79	17.785	N/A	Pass
		40	21.33	16.656		
		48	21.34	16.686		
	U-NII 2A	52	21.51	16.659		
		56	21.55	16.648		
		64	21.02	16.620		
	U-NII 2C	100	20.81	16.619		
		120	22.73	16.659		
		140	21.05	16.624		
802.11n(HT20)	U-NII 1	36	21.52	17.784		
		40	21.97	17.804		
		48	21.04	17.772		
	U-NII 2A	52	21.60	17.745		
		56	21.97	17.789		
		64	21.97	17.744		
	U-NII 2C	100	21.41	17.780		
		120	21.68	17.774		
		140	21.42	17.759		
802.11n(HT40)	U-NII 1	38	48.97	36.660		
		46	59.56	36.627		
	U-NII 2A	54	48.98	36.517		
		52	62.60	36.637		
	U-NII 2C	102	52.32	36.584		
		118	66.26	36.649		
		134	72.57	36.807		

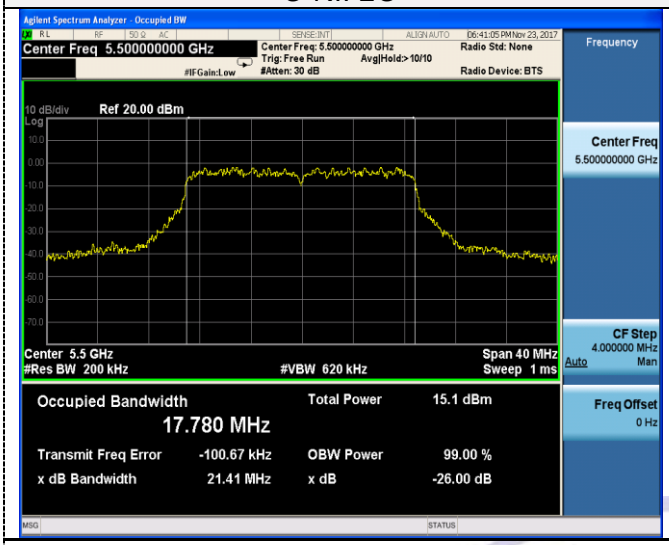
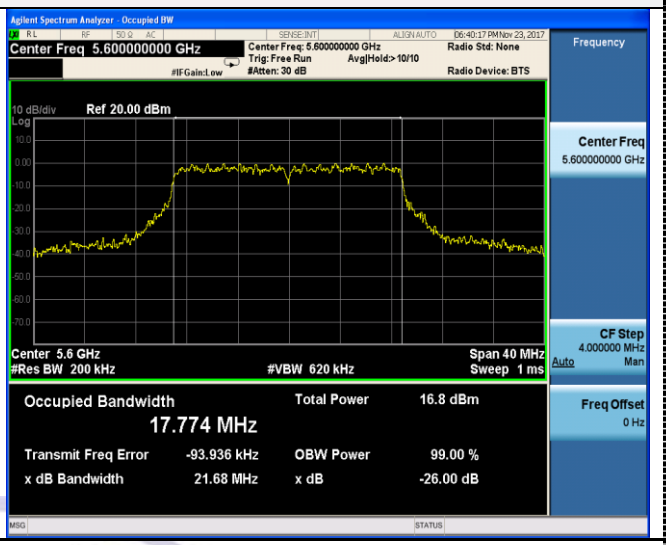
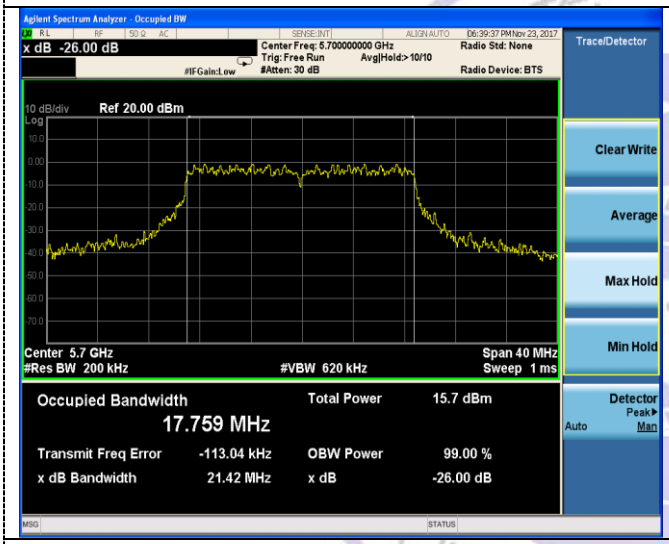
Type	Bands	Channel	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Result
802.11ac(HT20)	U-NII 1	36	21.47	17.751	N/A	Pass
		40	21.48	17.747		
		48	21.47	17.766		
	U-NII 2A	52	21.46	17.765		
		56	21.37	17.761		
		64	21.50	17.732		
	U-NII 2C	100	21.12	17.732		
		120	21.64	17.752		
		140	21.80	17.761		
802.11ac(HT40)	U-NII 1	38	56.13	36.709		
		46	55.60	36.749		
	U-NII 2A	54	55.61	36.645		
		52	59.56	36.685		
	U-NII 2C	102	49.66	36.720		
		118	59.43	36.769		
		134	62.83	36.865		
802.11ac(HT80)	U-NII 1	42	92.87	75.434		
	U-NII 2A	58	90.72	75.261		
	U-NII 2C	106	87.22	75.570		
		122	92.27	75.326		

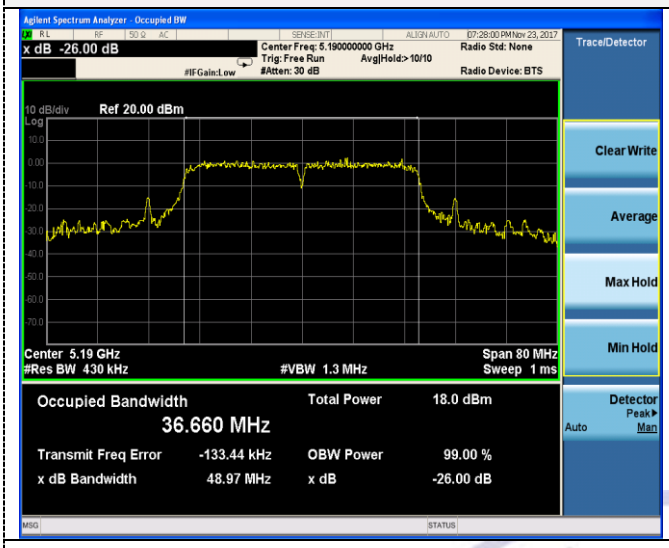
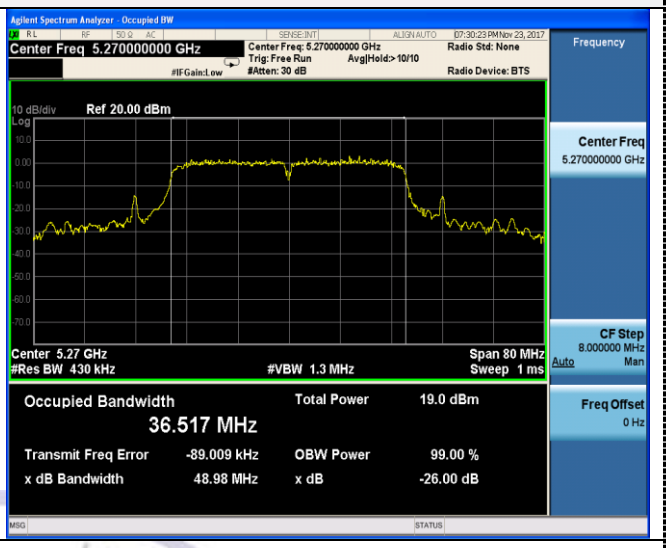
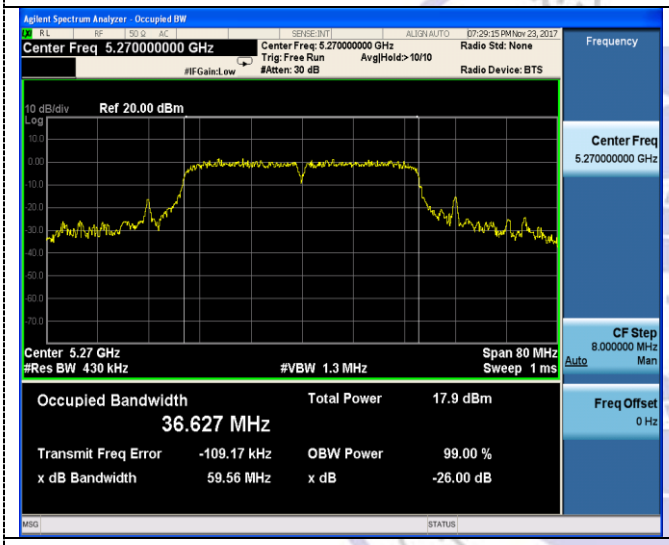
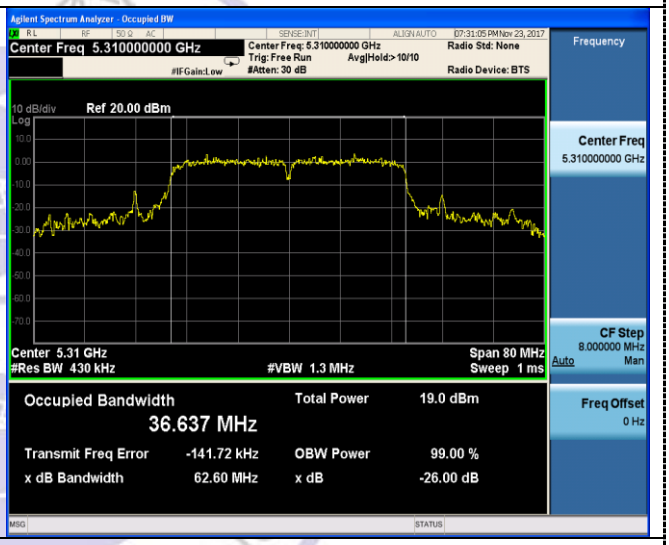
Test plot as follows:

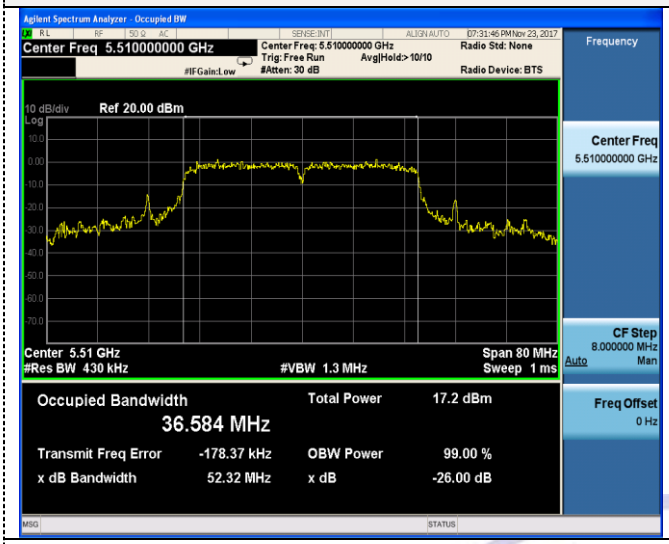
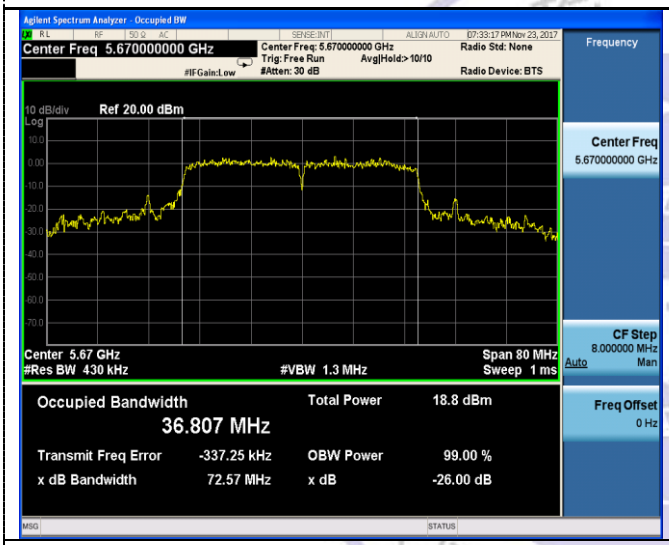
802.11a	
U-NII 1	U-NII 2A
	
CH36	CH52
	
CH40	CH56
	
CH48	CH64

802.11a	
U-NII 2C	
	
CH100	CH120
	
CH140	

802.11n(HT20)	
U-NII 1	U-NII 2A
	
CH36	CH52
	
CH40	CH56
	
CH48	CH64

802.11n(HT20)	
U-NII 2C	
	
CH100	CH120
	
CH140	

802.11n(HT40)	
U-NII 1	U-NII 2A
	
CH38	CH54
	
CH46	CH62

802.11n(HT40)	
U-NII 2C	
	
CH102	CH118
	
CH134	