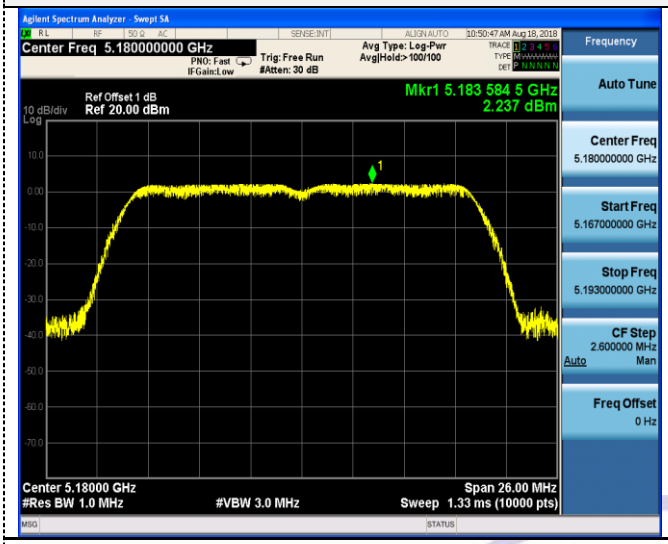
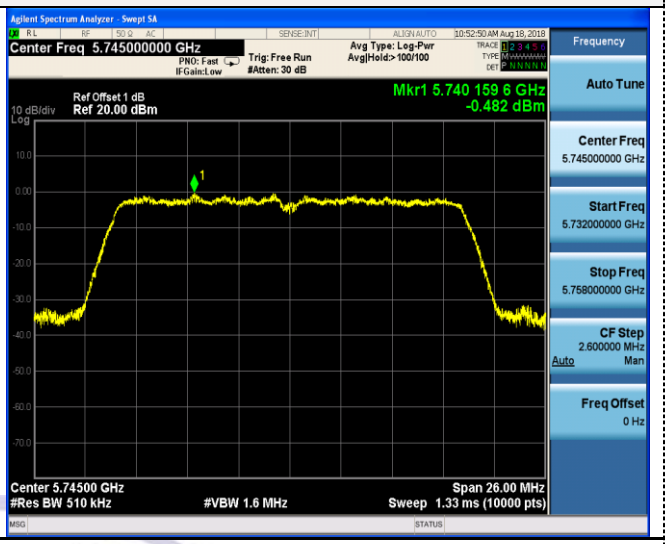
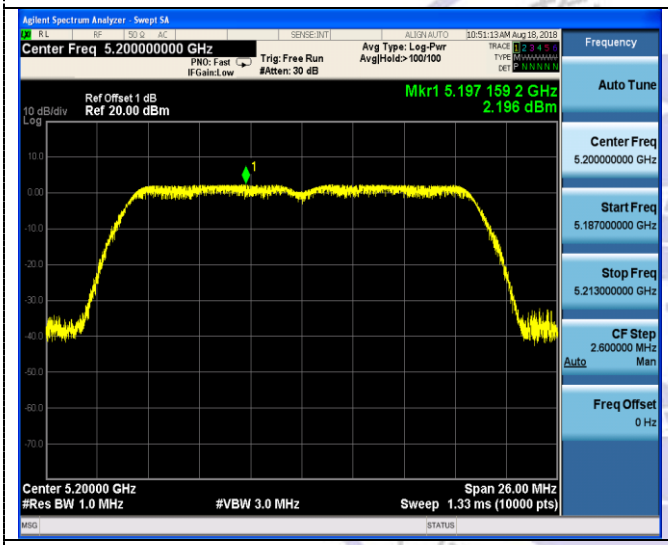
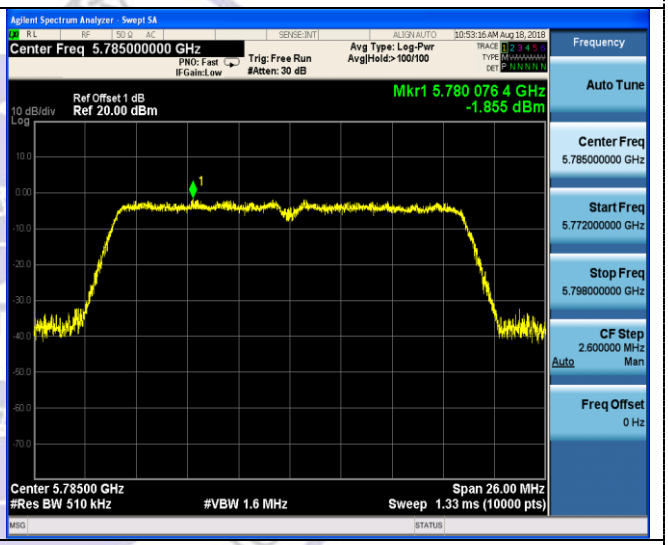
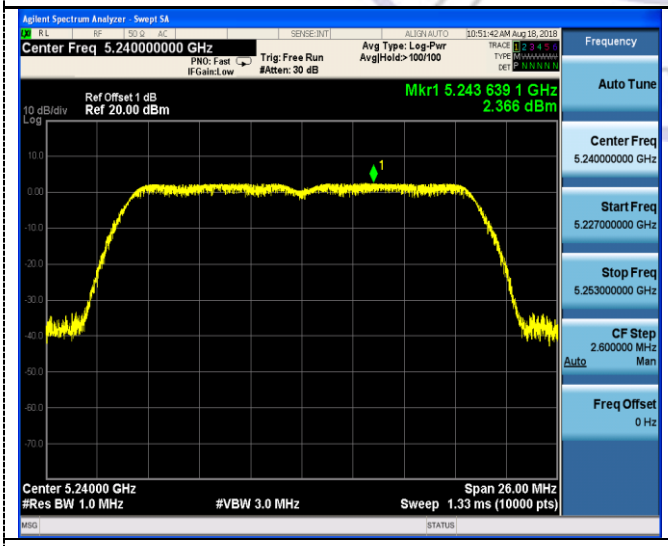
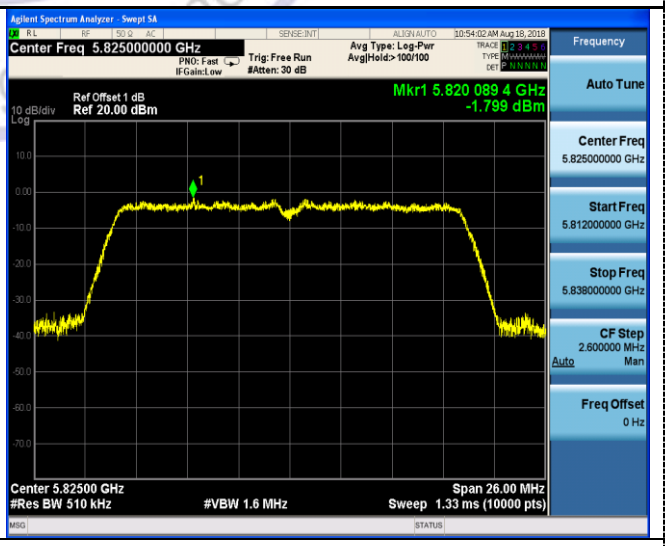
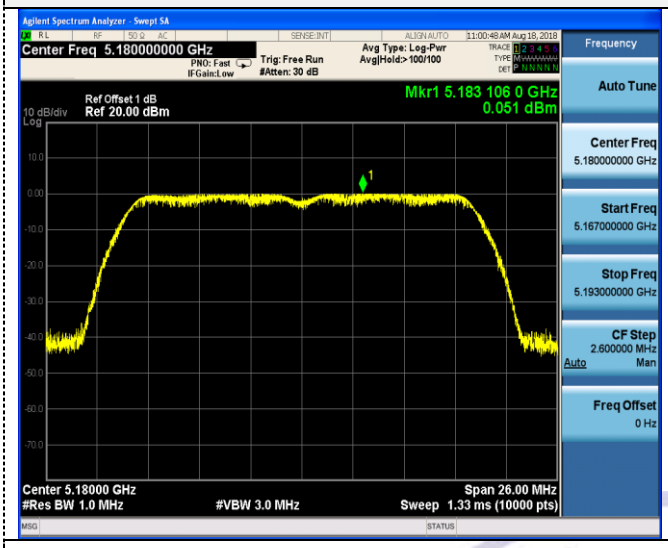
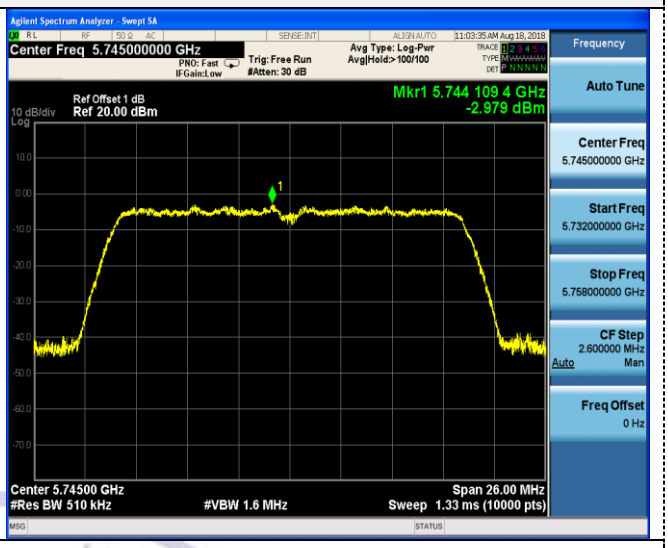
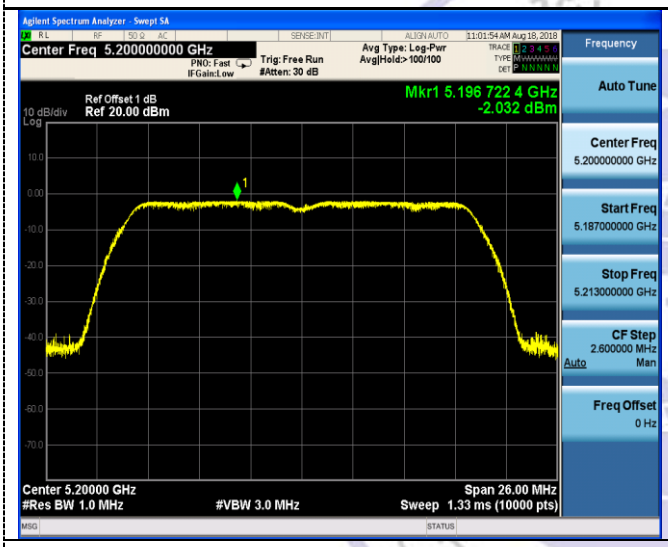
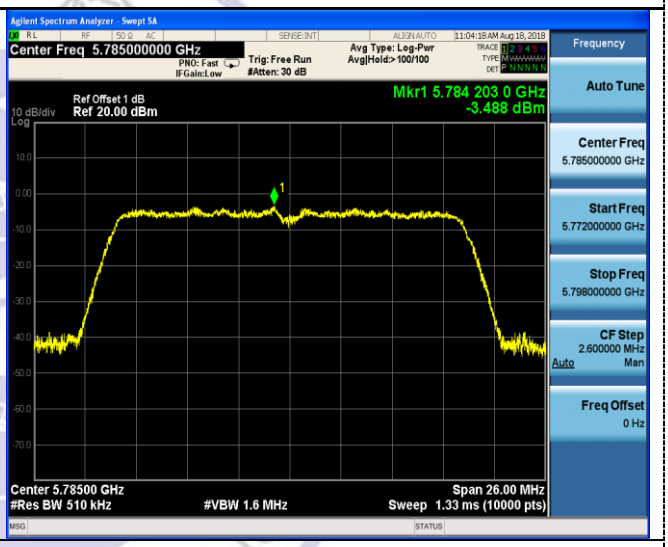
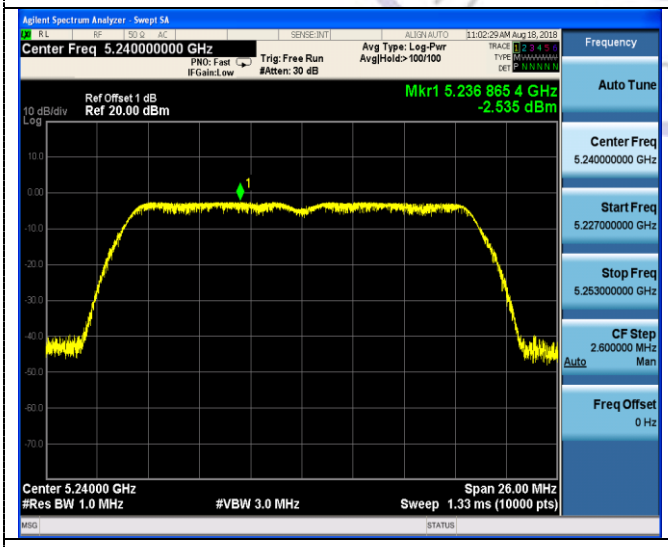
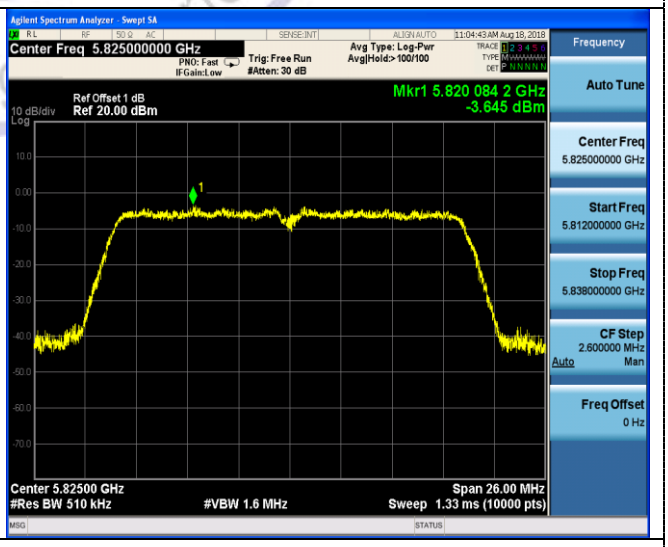
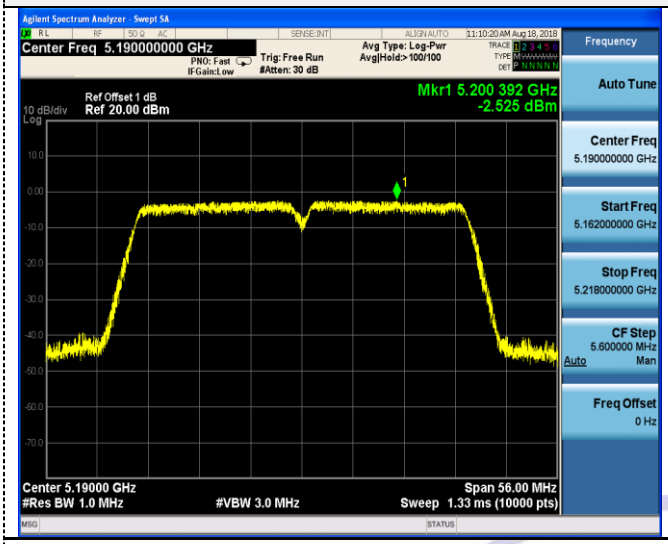
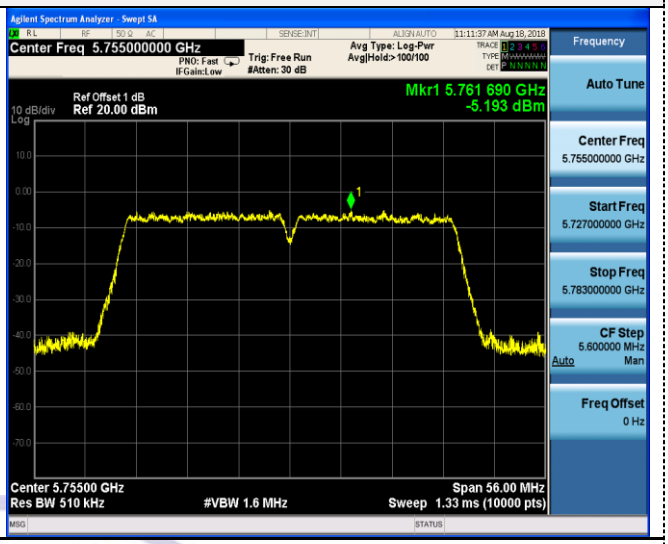
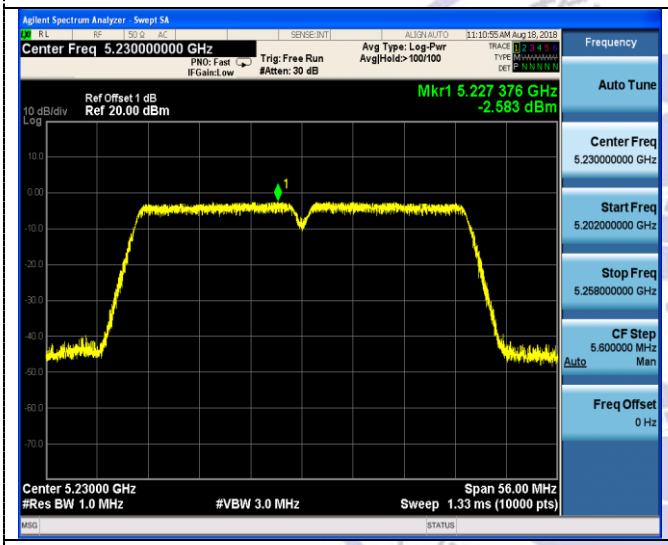
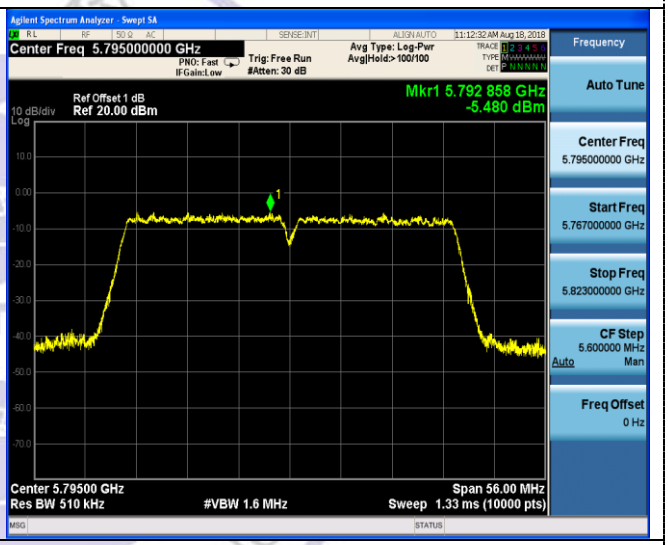
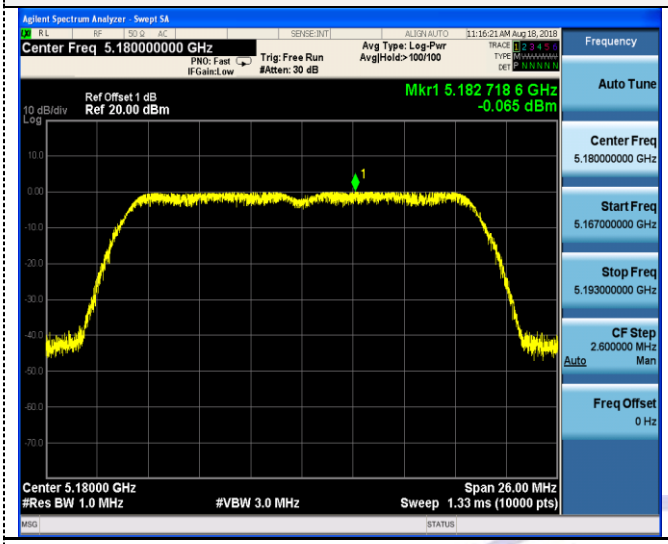
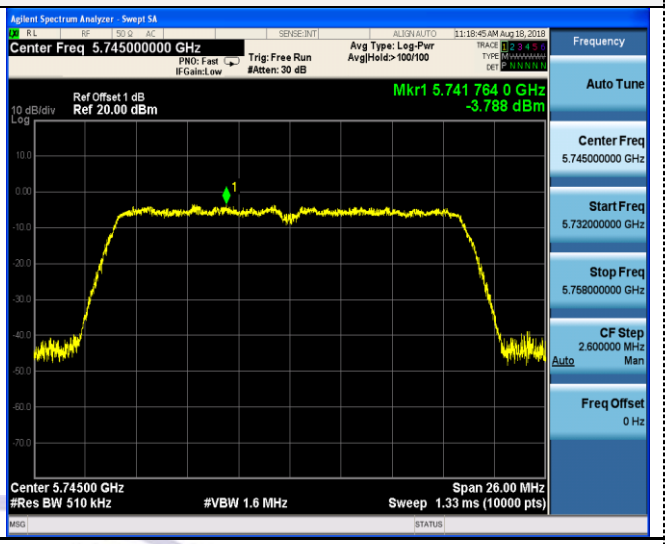
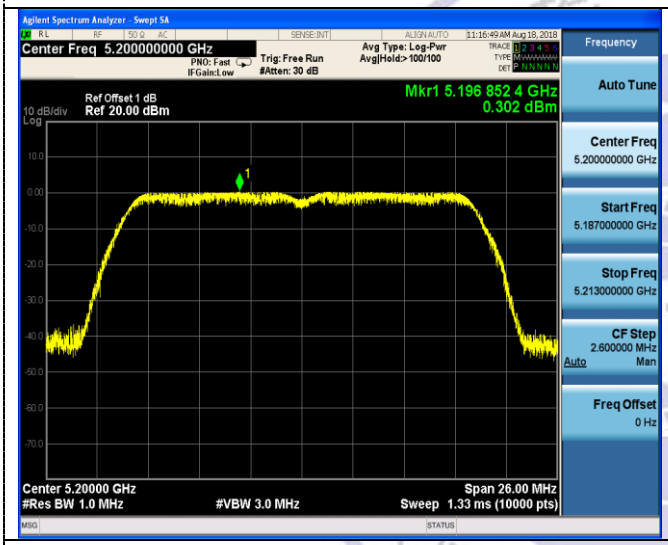
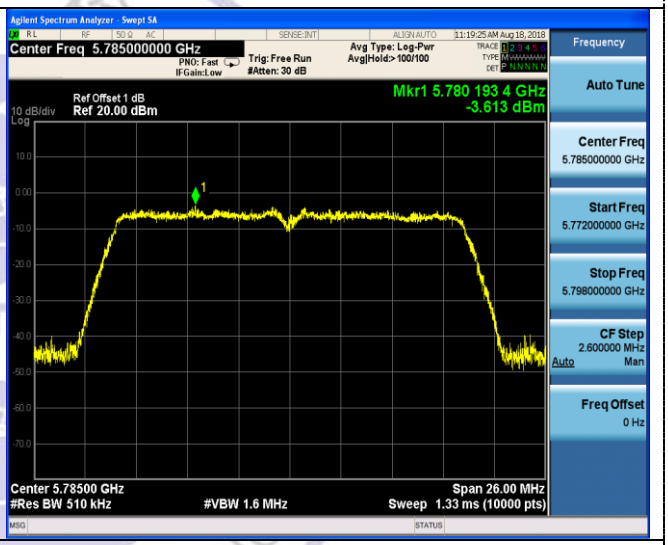
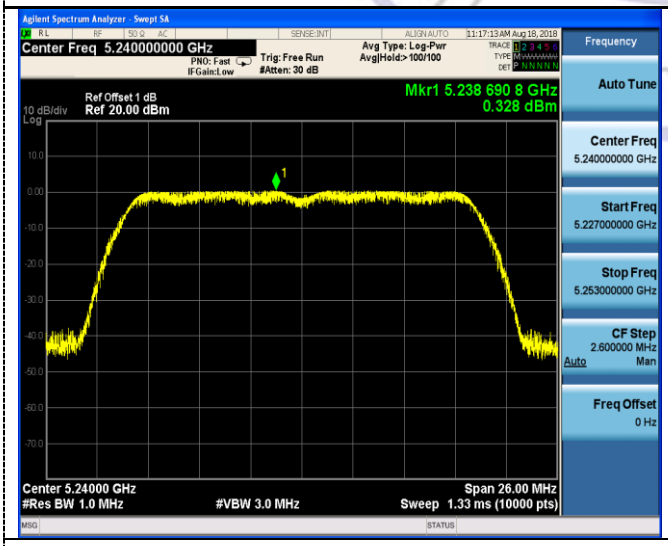
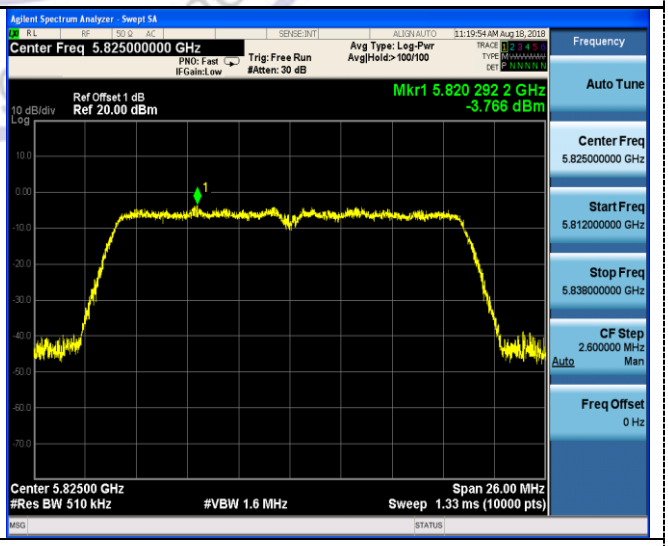
ANT2

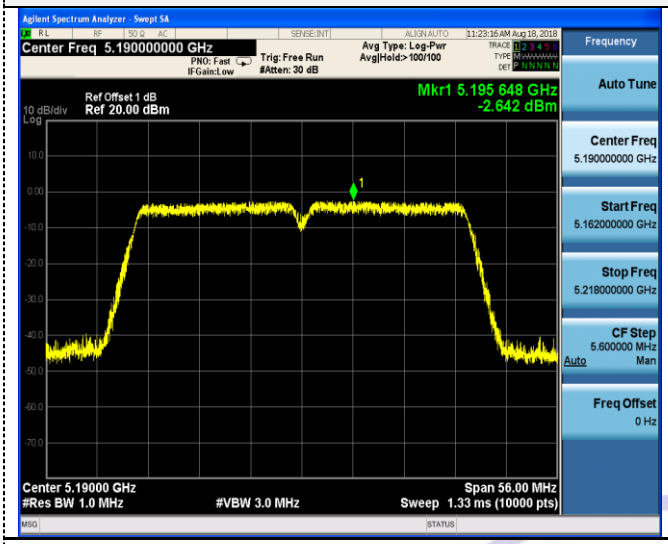
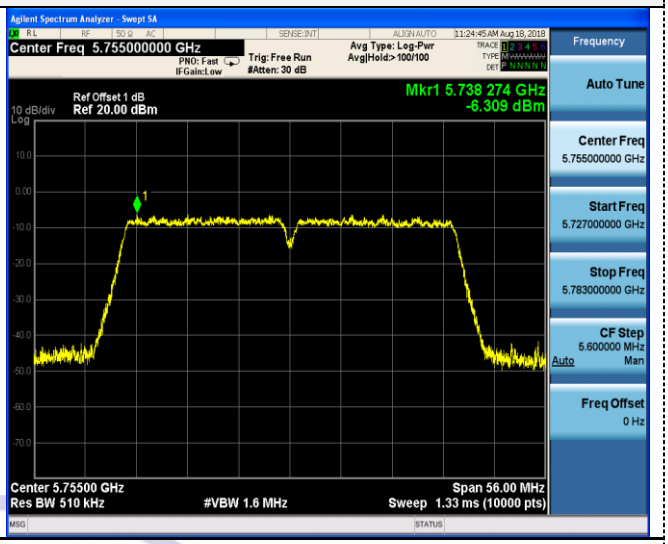
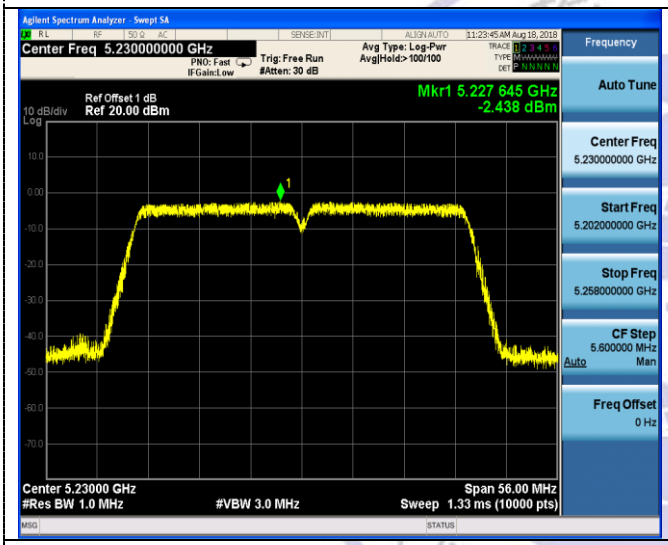
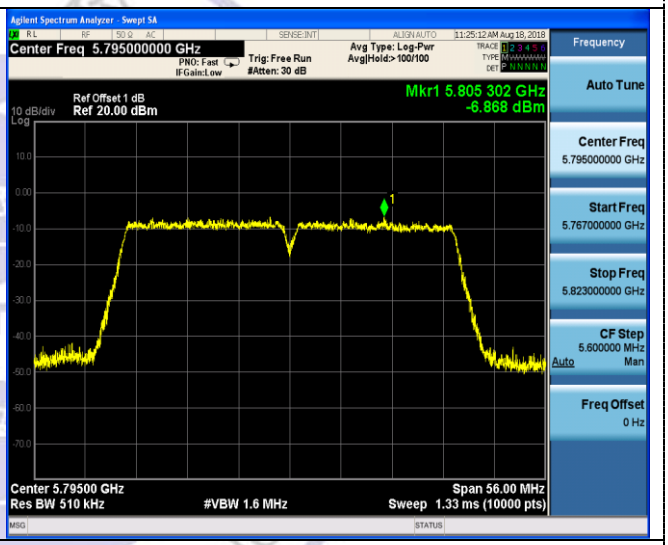
802.11a

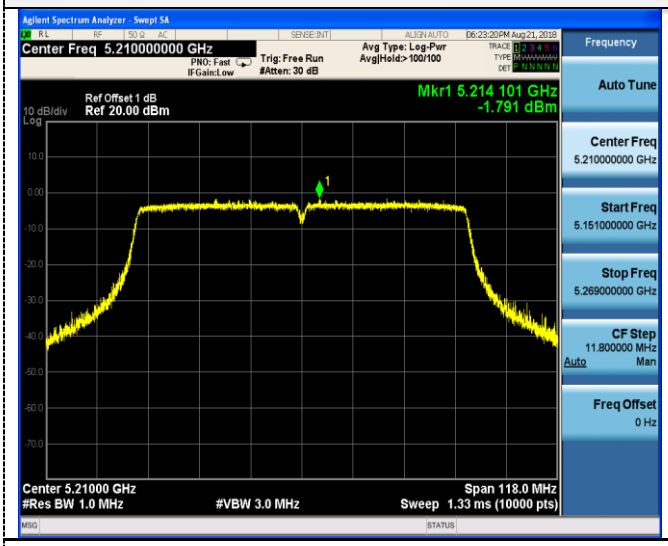
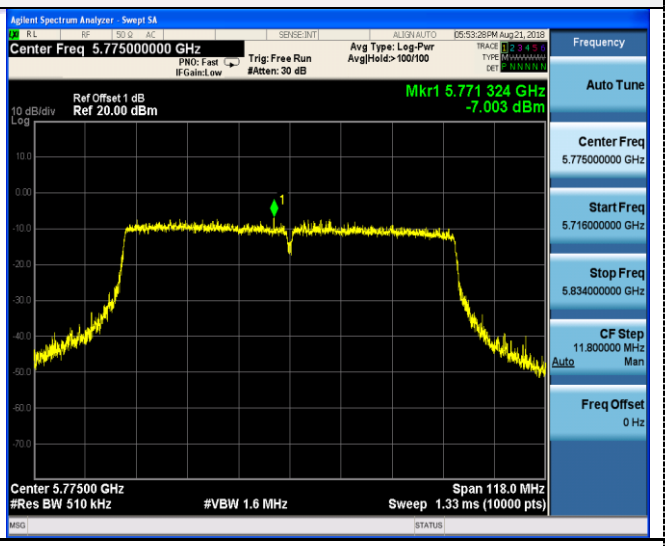
U-NII 1	*U-NII 3*
	
CH36	*CH149*
	
CH40	*CH157*
	
CH48	*CH165*

802.11n(HT20)	
U-NII 1	U-NII 3
	
CH36	CH149
	
CH40	CH157
	
CH48	CH165

802.11n(HT40)	
U-NII 1	U-NII 3
	
CH38	CH151
	
CH46	CH159

802.11ac(HT20)	
U-NII 1	U-NII 3
	
CH36	CH149
	
CH40	CH157
	
CH48	CH165

802.11ac(HT40)	
U-NII 1	U-NII 3
	
CH38	CH151
	
CH46	CH159

802.11ac(HT80)	
U-NII 1	U-NII 3
	
CH42	CH155

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

ANT1

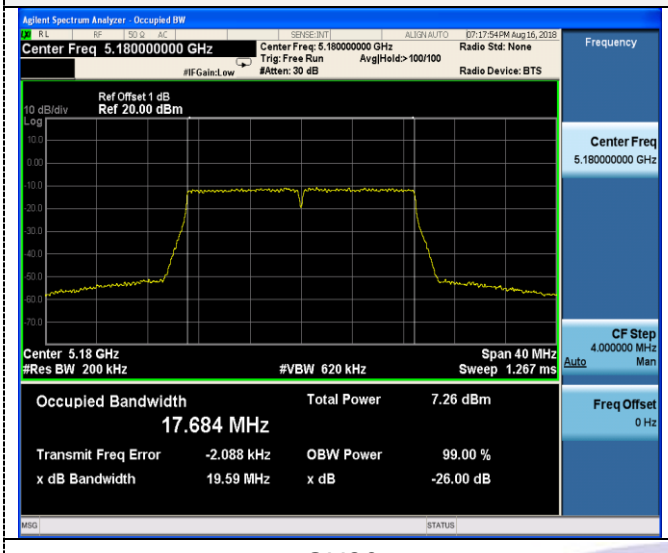
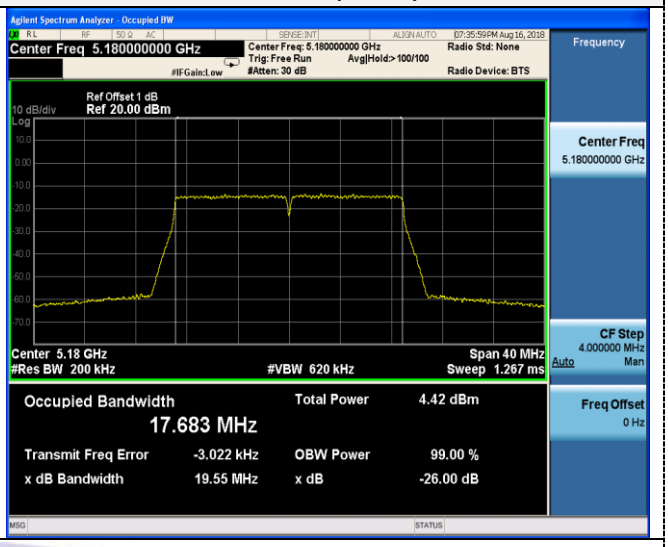
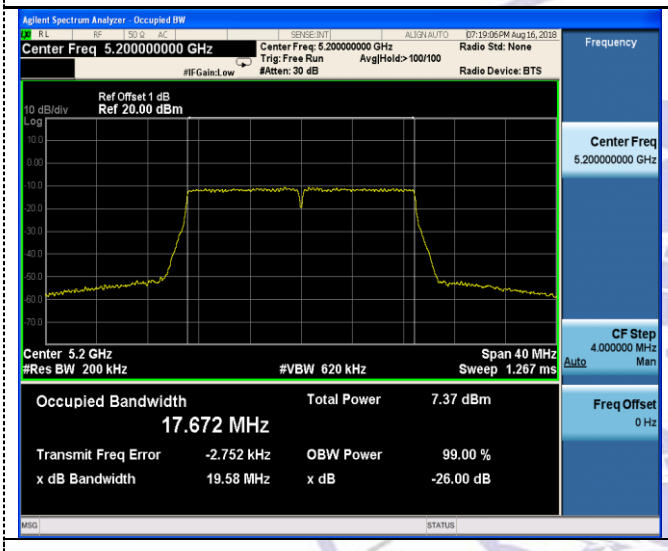
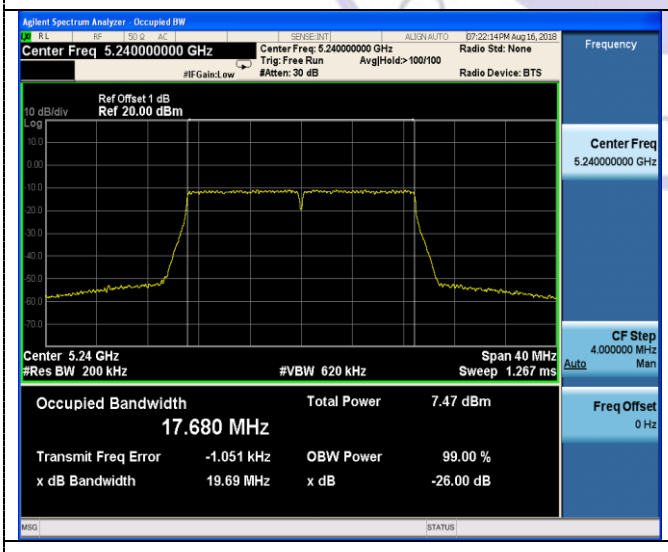
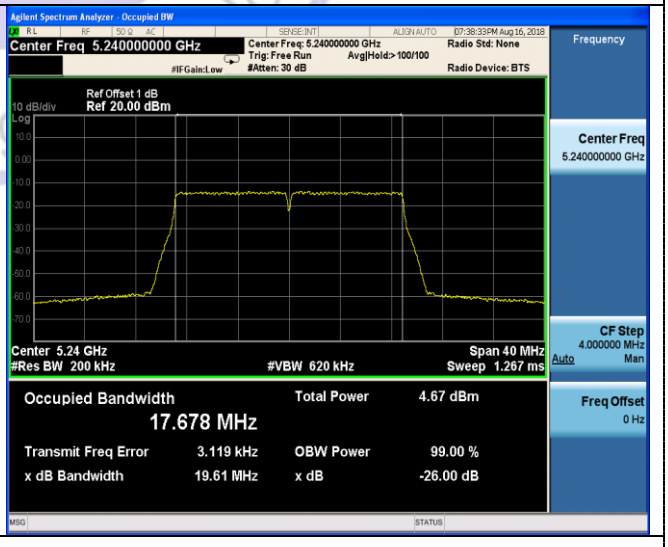
Type	Bands	Channel	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	19.59	17.684	N/A	Pass
		40	19.58	17.672		
		48	19.69	17.680		
802.11n(HT20)	U-NII 1	36	19.55	17.683		
		40	19.63	17.680		
		48	19.61	17.678		
802.11n(HT40)	U-NII 1	38	38.81	36.119		
		46	38.87	36.134		
802.11ac(HT20)	U-NII 1	36	19.64	17.665		
		40	19.68	17.687		
		48	19.62	17.677		
802.11ac(HT40)	U-NII 1	38	38.86	36.139		
		46	38.87	36.131		
802.11ac(HT80)	U-NII 1	42	79.93	75.823		

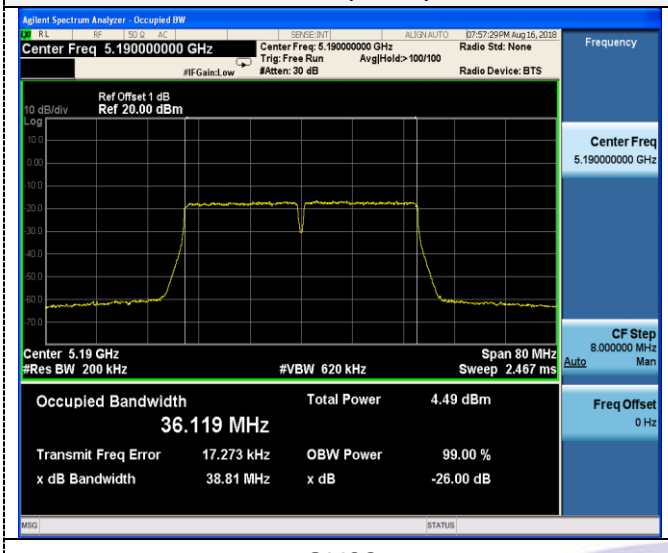
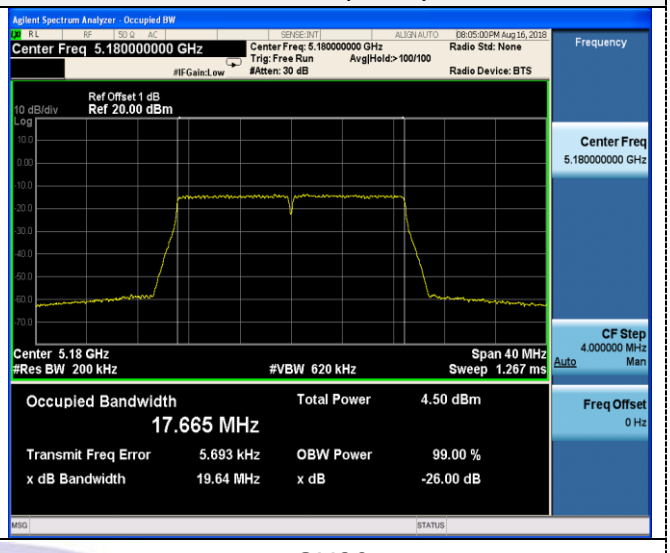
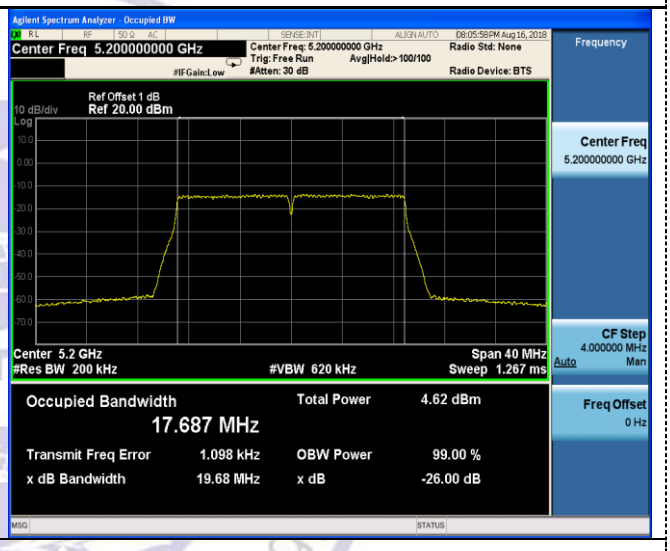
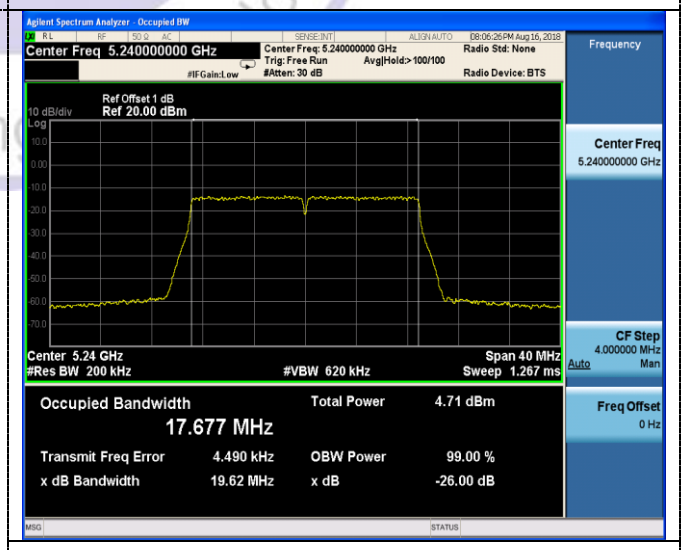
ANT2

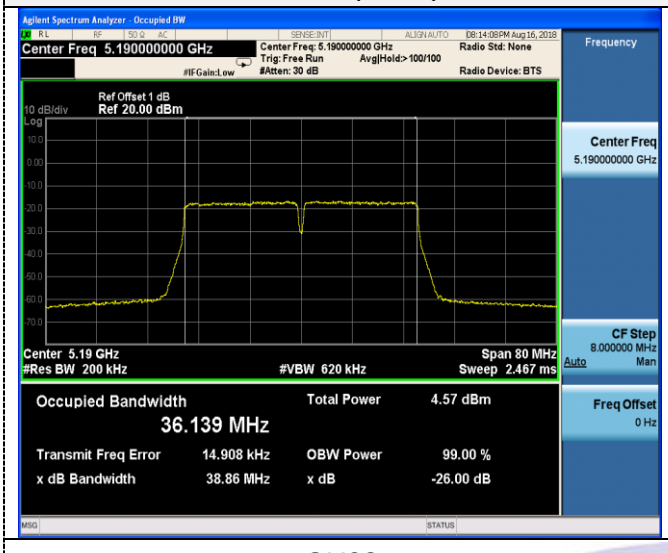
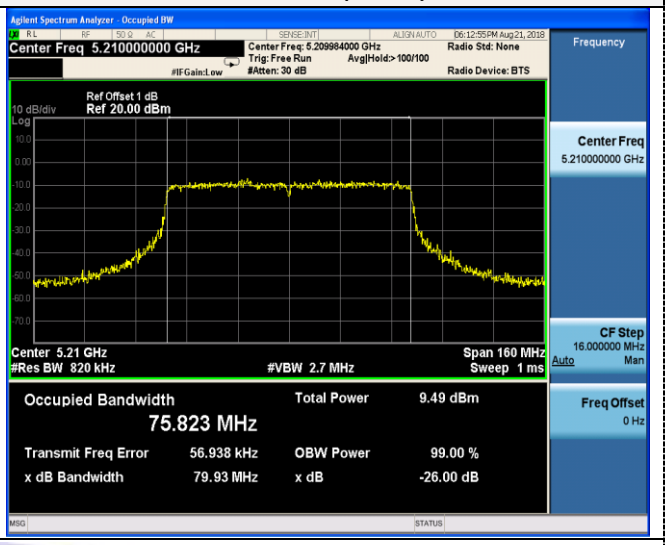
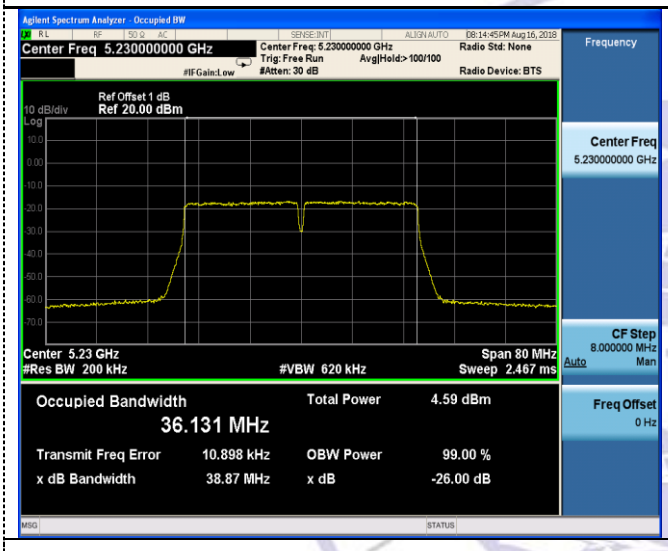
Type	Bands	Channel	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Result
802.11a	U-NII 1	36	19.66	17.685	N/A	Pass
		40	19.64	17.681		
		48	19.64	17.681		
802.11n(HT20)	U-NII 1	36	19.62	17.676		
		40	19.63	17.689		
		48	19.64	17.689		
802.11n(HT40)	U-NII 1	38	38.82	36.127		
		46	38.74	36.139		
802.11ac(HT20)	U-NII 1	36	19.65	17.683		
		40	19.60	17.678		
		48	19.67	17.684		
802.11ac(HT40)	U-NII 1	38	38.73	36.131		
		46	38.68	36.132		
802.11ac(HT80)	U-NII 1	42	79.96	75.867		

Test plot as follows:

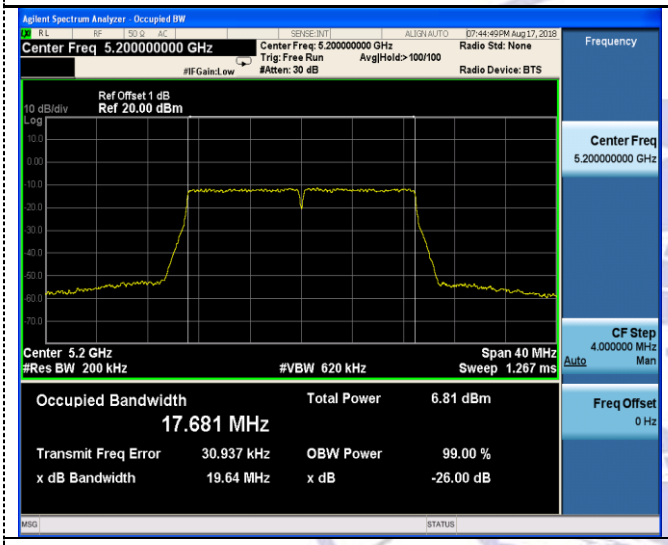
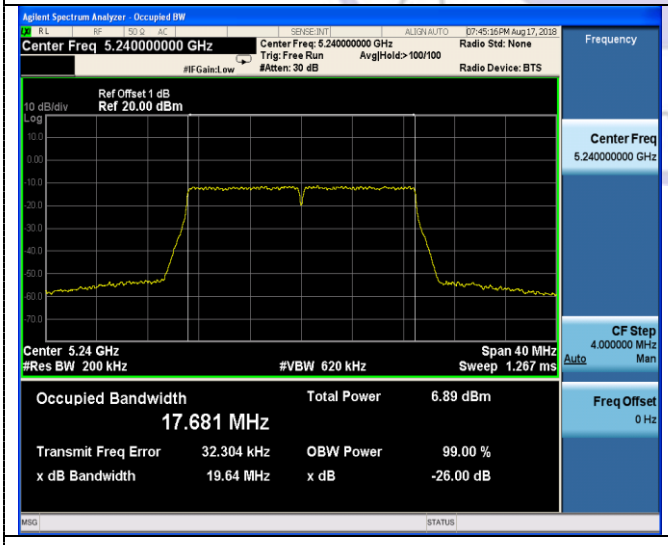
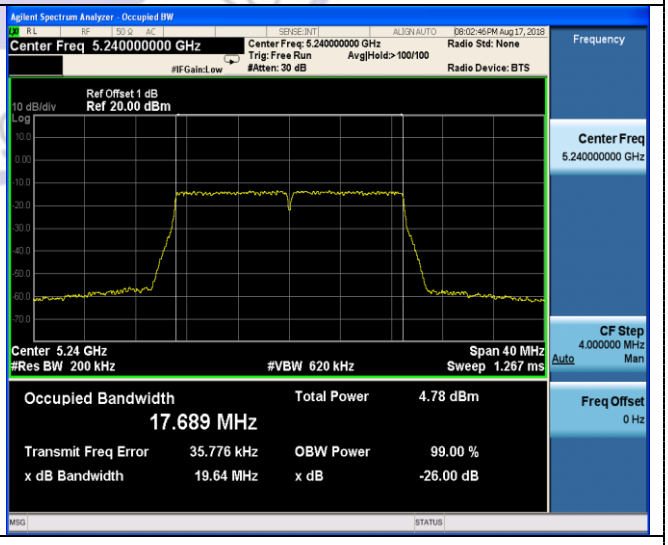
ANT1

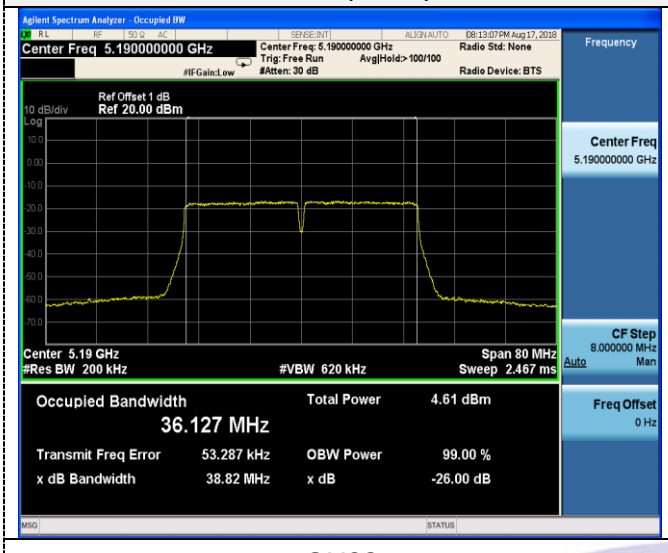
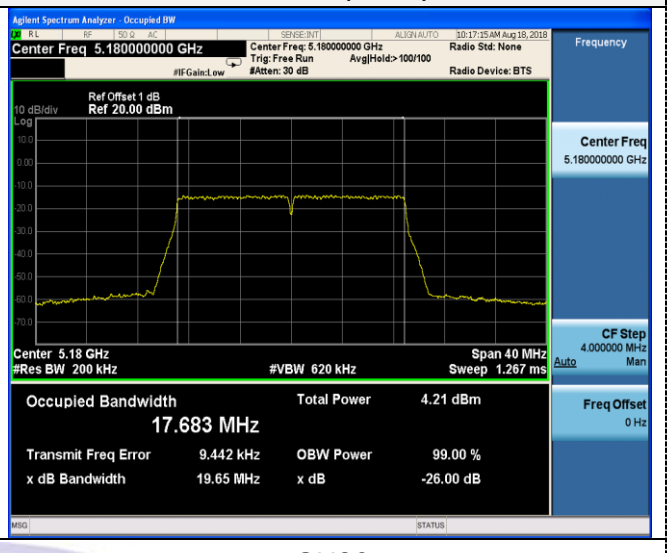
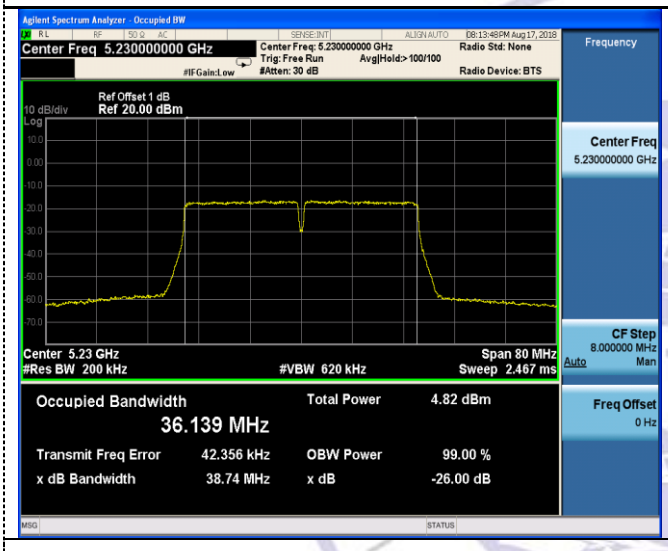
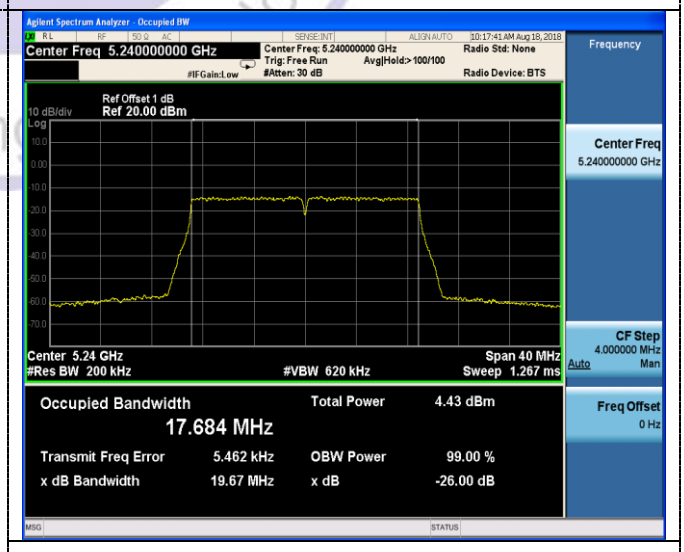
802.11a	*802.11n(HT20)*
	
CH36	*CH36*
	
CH40	*CH40*
	
CH48	*CH48*

802.11n(HT40)	802.11ac(HT20)
	
CH38	CH36
	
CH46	CH40
	
	CH48

802.11ac(HT40)	802.11ac(HT80)
	
CH38	CH42
	
CH46	

ANT2

802.11a	*802.11n(HT20)*
	
CH36	*CH36*
	
CH40	*CH40*
	
CH48	*CH48*

802.11n(HT40)	802.11ac(HT20)
	
CH38	CH36
	
CH46	CH40
	
	CH48