

**Power Setting:**

Mode	Channel	Power setting
11a-6M	5745	18
	5785	18
	5825	18
11n-MCS0-HT20	5745	18
	5785	18
	5825	18
11n-MCS0-HT40	5755	18
	5795	18
11ac-MCS0-HT20	5745	18
	5785	18
	5825	18
11ac-MCS0-HT40	5755	18
	5795	18
11ac-MCS0-HT80	5775	18

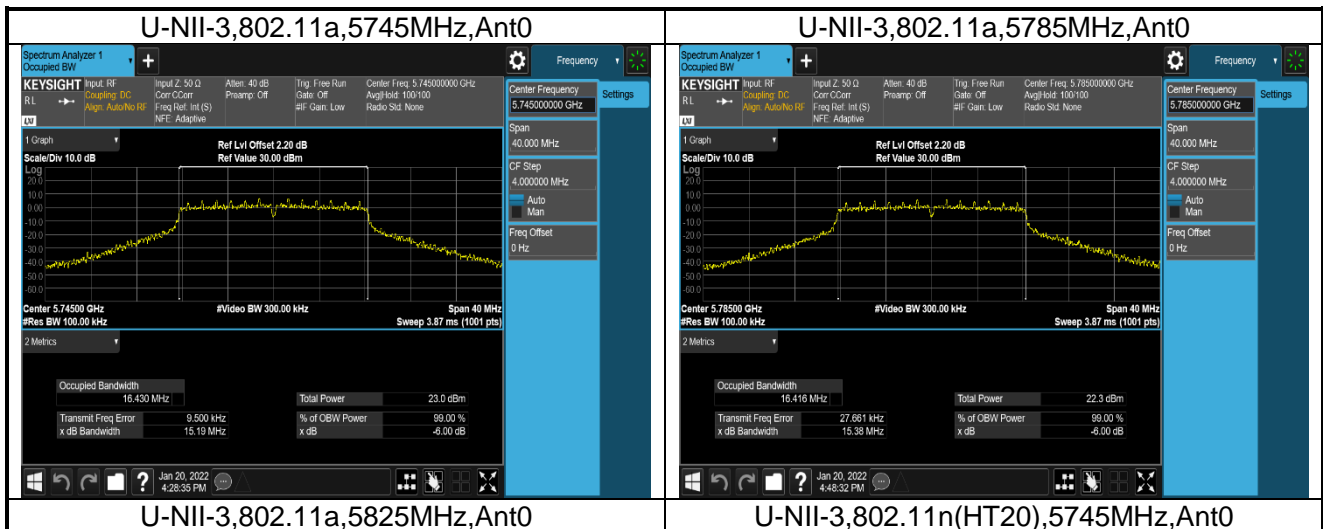
# Appendix A: Test results

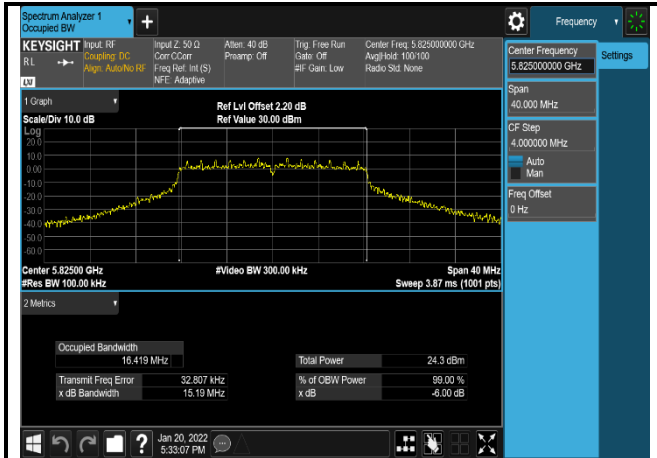
## 1.1 Occupied N dB Bandwidth

### 1.1 Test Data

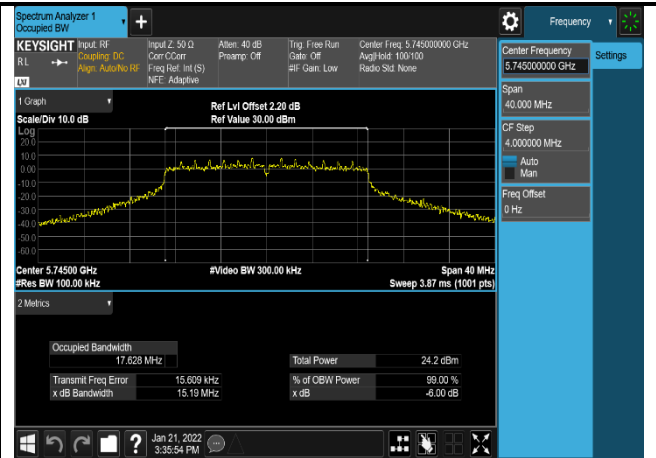
U-NII-3 Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5745	Ant0	15.19	Pass
802.11a	5785	Ant0	15.38	Pass
802.11a	5825	Ant0	15.19	Pass
802.11n (HT20)	5745	Ant0	15.19	Pass
802.11n (HT20)	5785	Ant0	15.17	Pass
802.11n (HT20)	5825	Ant0	15.73	Pass
802.11n (HT40)	5755	Ant0	35.74	Pass
802.11n (HT40)	5795	Ant0	35.24	Pass
802.11ac (VHT20)	5745	Ant0	15.18	Pass
802.11ac (VHT20)	5825	Ant0	15.19	Pass
802.11ac (VHT40)	5755	Ant0	35.24	Pass
802.11ac (VHT40)	5795	Ant0	35.23	Pass
802.11ac (VHT80)	5775	Ant0	75.39	Pass

### Test Plots

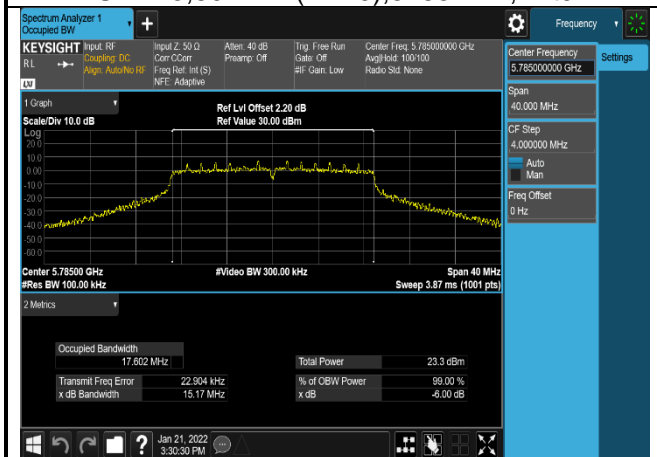




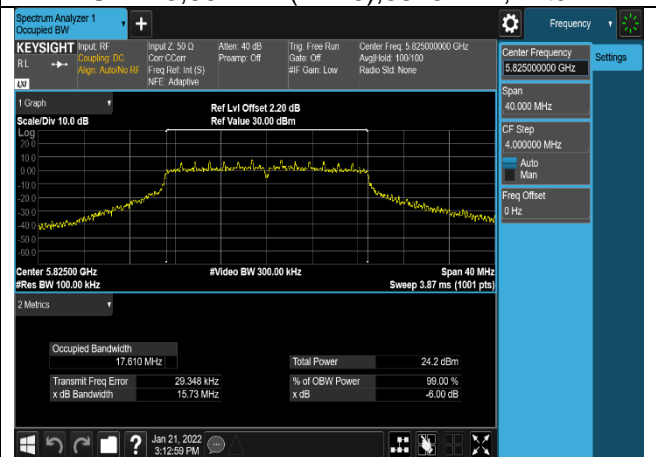
U-NII-3,802.11n(HT20),5785MHz,Ant0



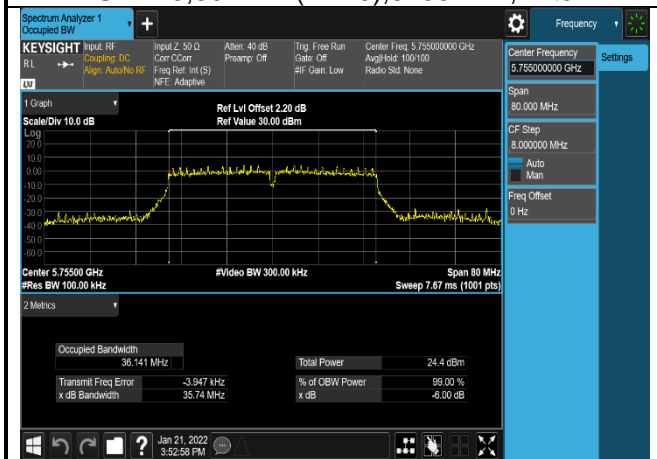
U-NII-3,802.11n(HT20),5825MHz,Ant0



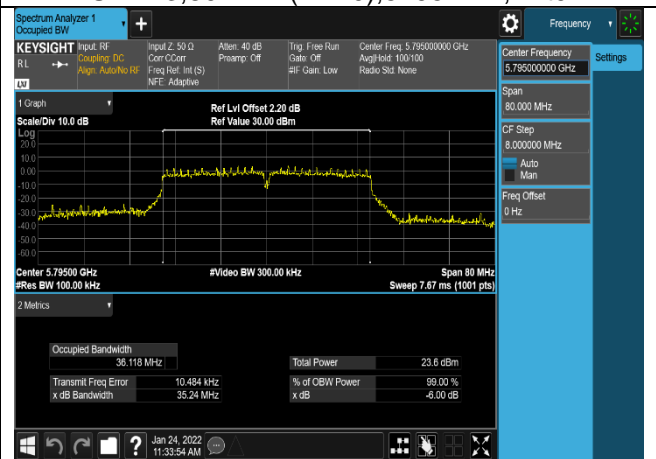
U-NII-3,802.11n(HT40),5755MHz,Ant0



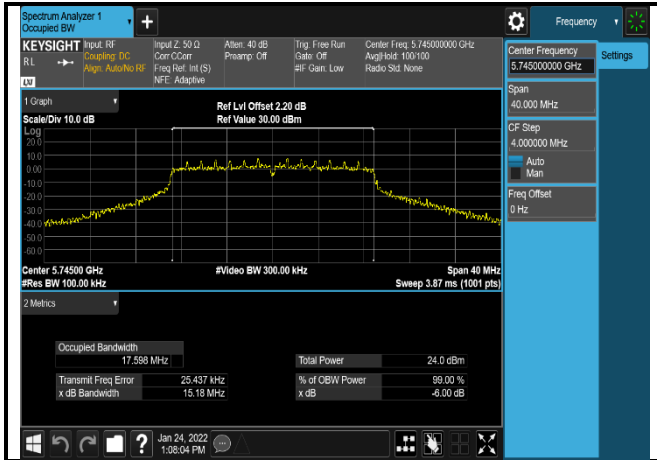
U-NII-3,802.11n(HT40),5795MHz,Ant0



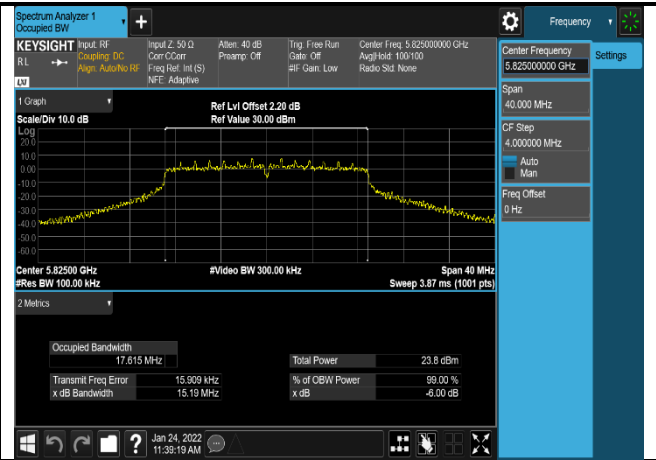
U-NII-3,802.11ac(VHT20),5745MHz  
,Ant0



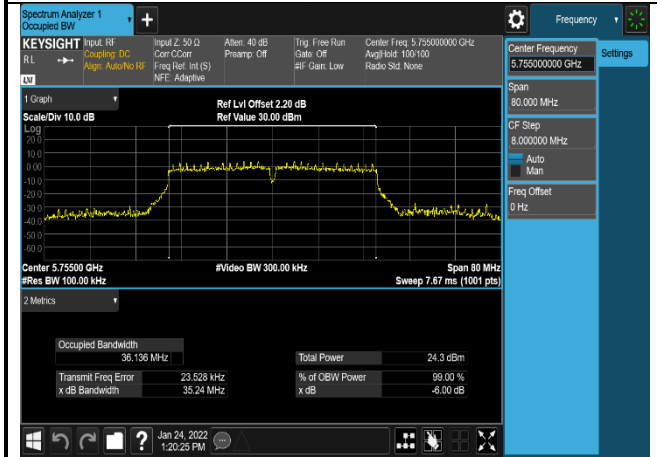
U-NII-3,802.11ac(VHT20),5825MHz  
,Ant0



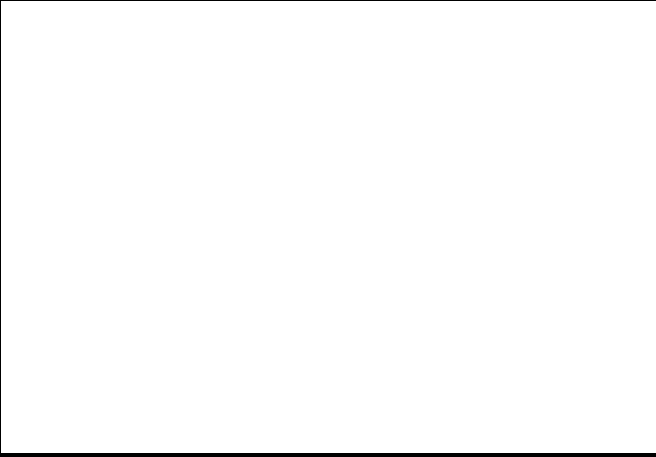
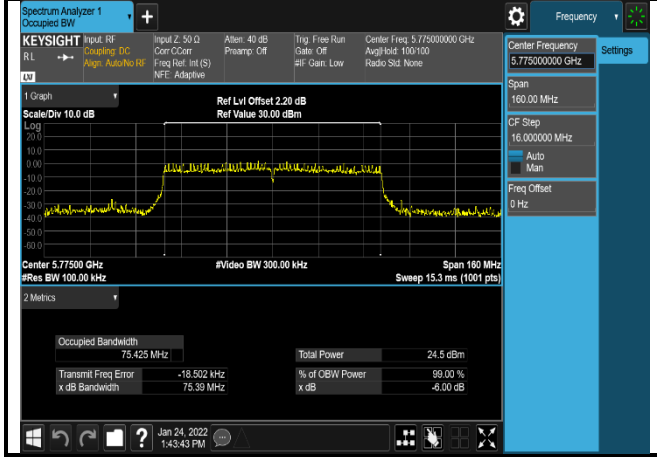
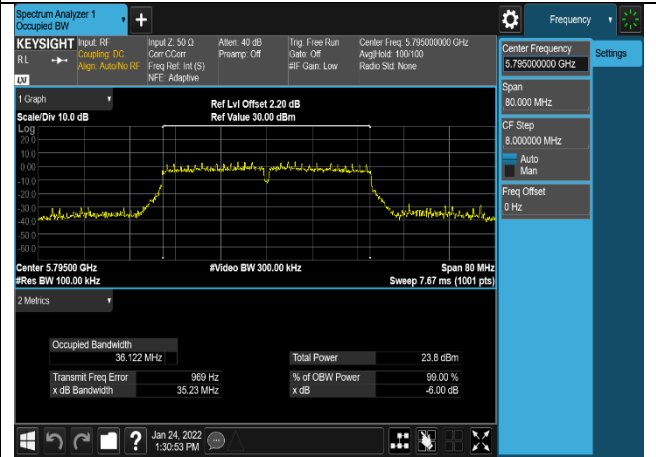
U-NII-3,802.11ac(VHT40),5755MHz ,Ant0



U-NII-3,802.11ac(VHT40),5795MHz ,Ant0



U-NII-3,802.11ac(VHT80),5775MHz ,Ant0

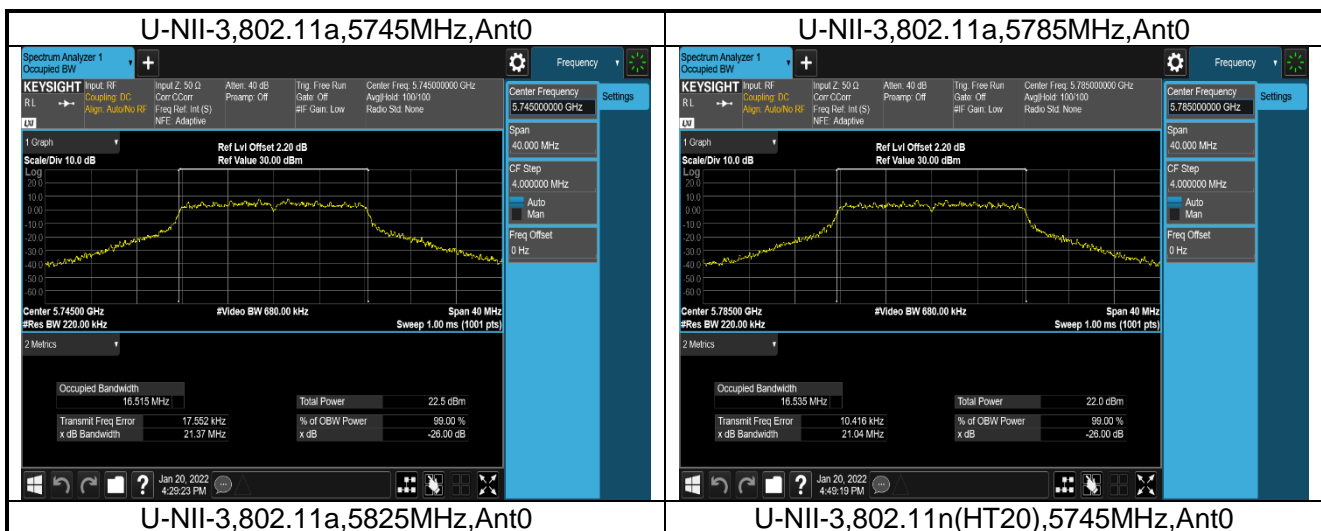


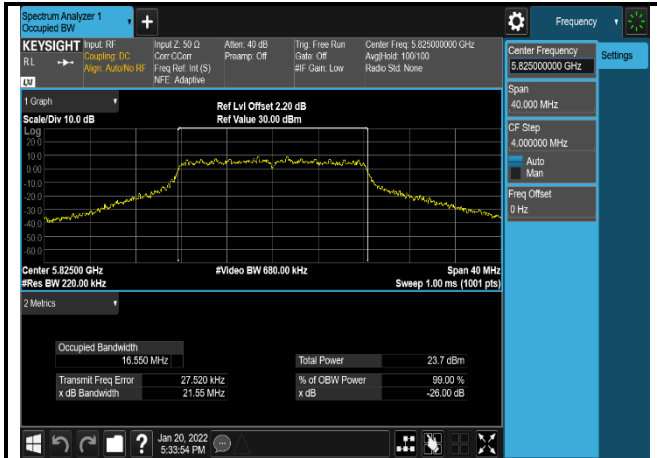
## 1.2 99% Occupied Bandwidth

### Test Data

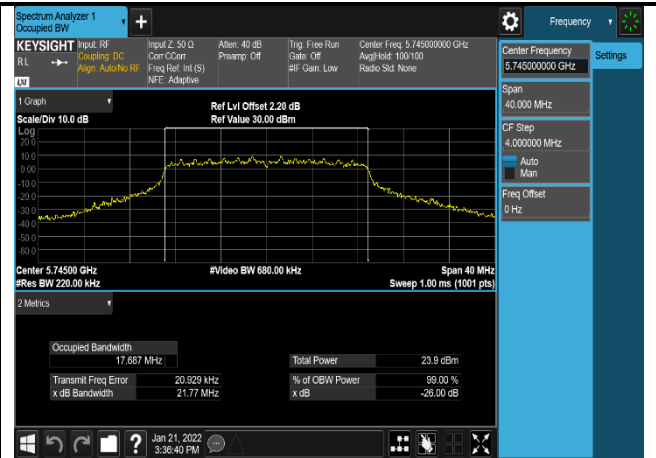
U-NII-3 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5745	Ant0	16.515	Pass
802.11a	5785	Ant0	16.535	Pass
802.11a	5825	Ant0	16.550	Pass
802.11n (HT20)	5745	Ant0	17.687	Pass
802.11n (HT20)	5785	Ant0	17.732	Pass
802.11n (HT20)	5825	Ant0	17.685	Pass
802.11n (HT40)	5755	Ant0	36.249	Pass
802.11n (HT40)	5795	Ant0	36.284	Pass
802.11ac (VHT20)	5745	Ant0	17.693	Pass
802.11ac (VHT20)	5785	Ant0	17.705	Pass
802.11ac (VHT20)	5825	Ant0	17.675	Pass
802.11ac (VHT40)	5755	Ant0	36.234	Pass
802.11ac (VHT40)	5795	Ant0	36.182	Pass
802.11ac (VHT80)	5775	Ant0	75.763	Pass

### Test Plots

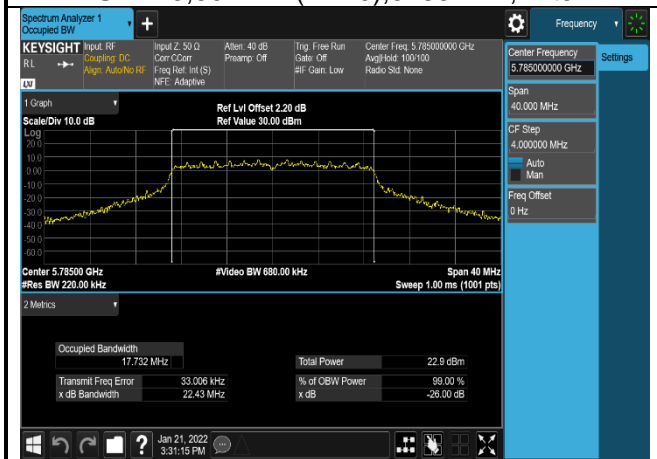




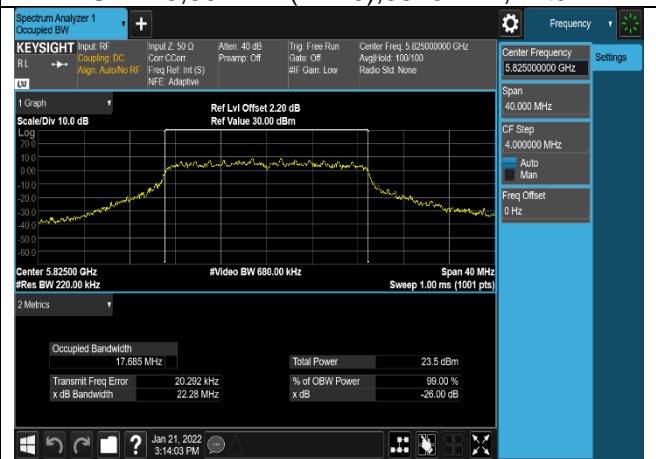
U-NII-3,802.11n(HT20),5785MHz,Ant0



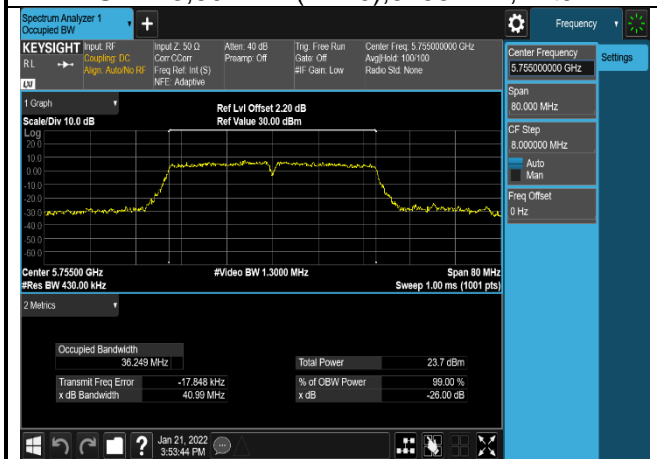
U-NII-3,802.11n(HT20),5825MHz,Ant0



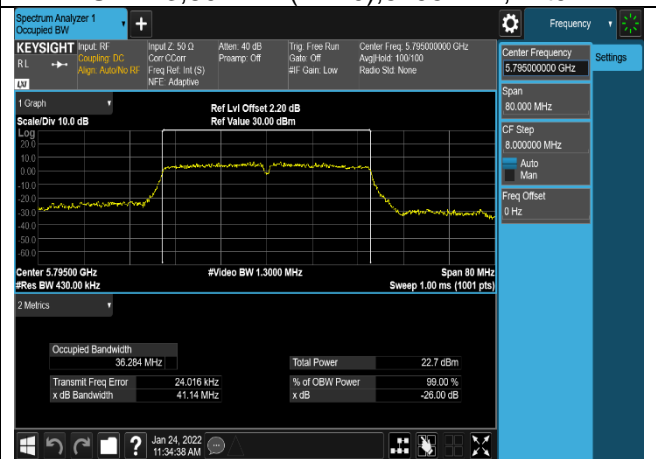
U-NII-3,802.11n(HT40),5755MHz,Ant0



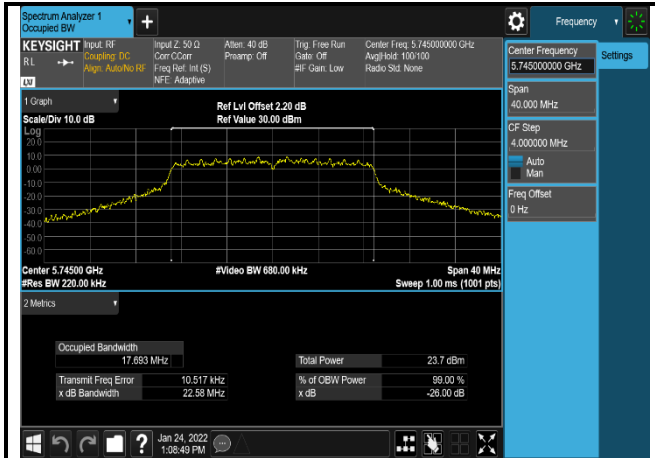
U-NII-3,802.11n(HT40),5795MHz,Ant0



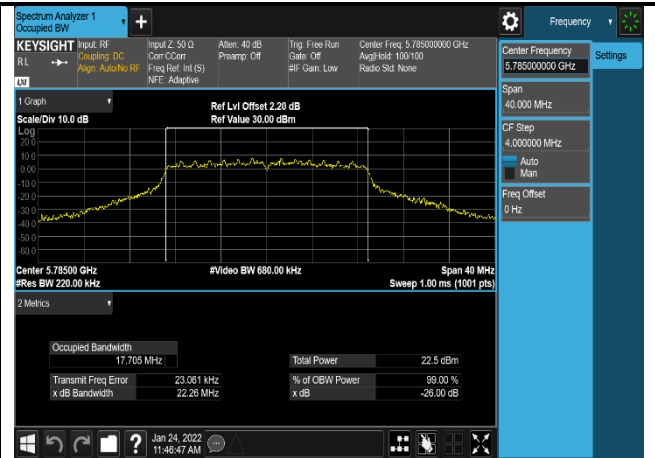
U-NII-3,802.11ac(VHT20),5745MHz  
,Ant0



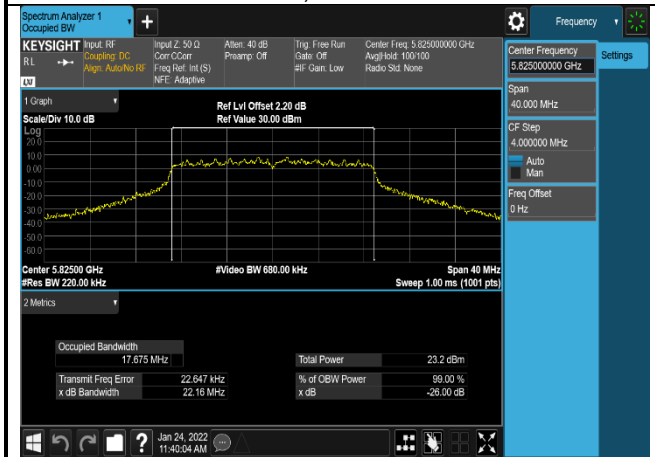
U-NII-3,802.11ac(VHT20),5785MHz  
,Ant0



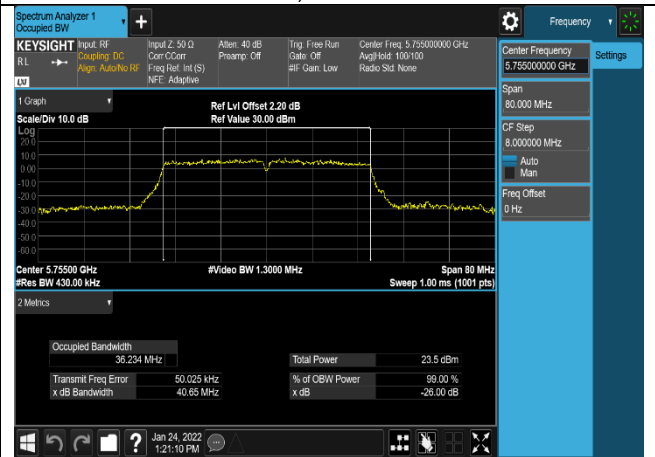
U-NII-3,802.11ac(VHT20),5825MHz  
,Ant0



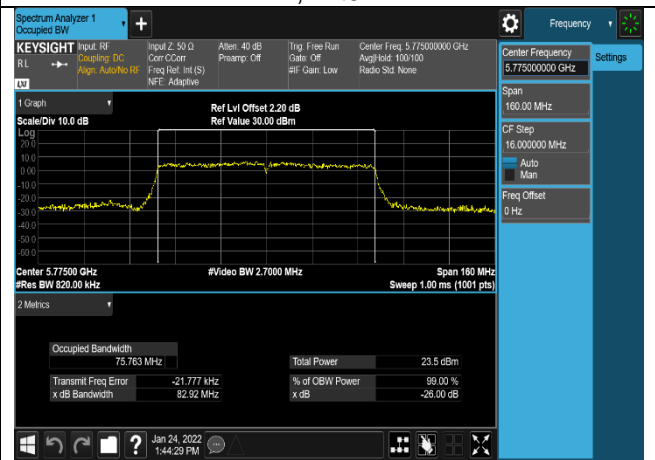
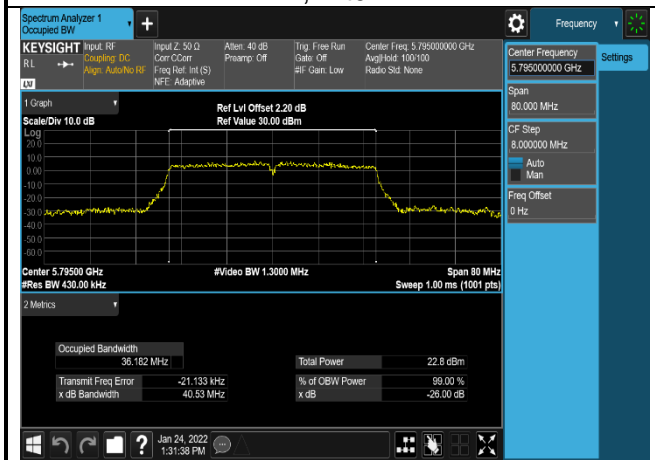
U-NII-3,802.11ac(VHT40),5755MHz  
,Ant0



U-NII-3,802.11ac(VHT40),5795MHz  
,Ant0



U-NII-3,802.11ac(VHT80),5775MHz  
,Ant0

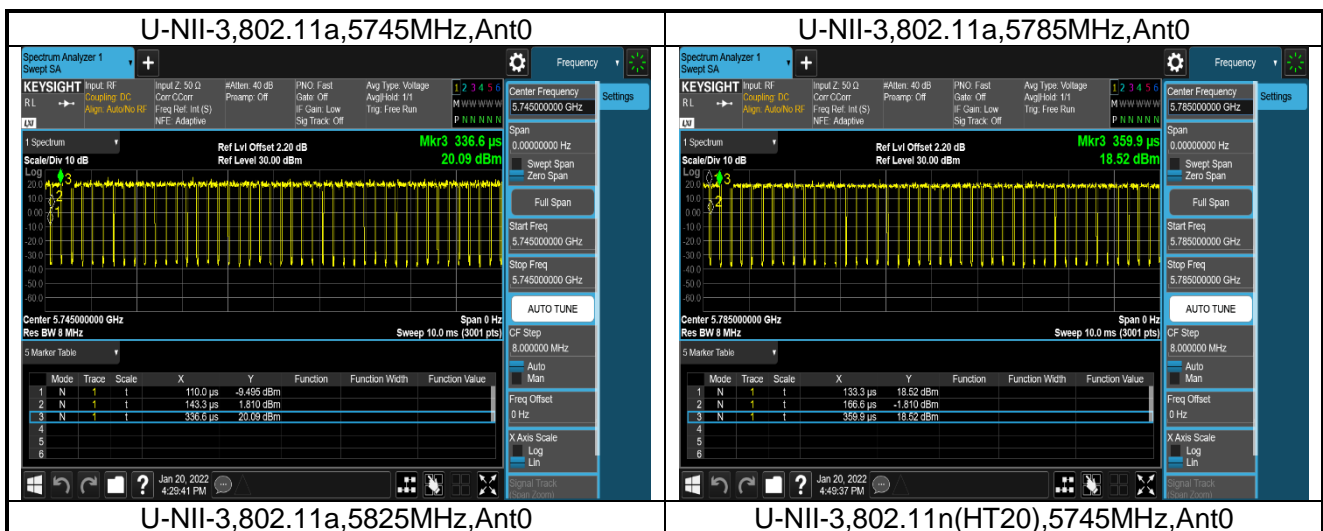


### 1.3 Duty Cycle

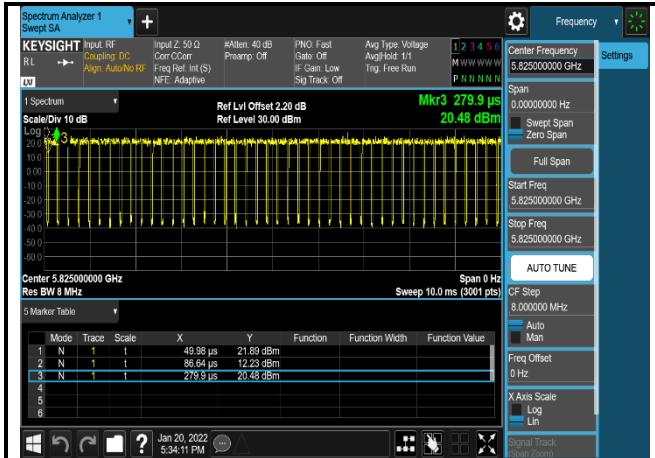
Test Data

U-NII-3 Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5745	Ant0	85.29	0.69
802.11a	5785	Ant0	85.29	0.69
802.11a	5825	Ant0	84.06	0.75
802.11n (HT20)	5745	Ant0	85.71	0.67
802.11n (HT20)	5785	Ant0	85.71	0.67
802.11n (HT20)	5825	Ant0	84.29	0.74
802.11n (HT40)	5755	Ant0	76.09	1.19
802.11n (HT40)	5795	Ant0	77.78	1.09
802.11ac (VHT20)	5745	Ant0	84.93	0.71
802.11ac (VHT20)	5785	Ant0	84.72	0.72
802.11ac (VHT20)	5825	Ant0	84.93	0.71
802.11ac (VHT40)	5755	Ant0	78.26	1.06
802.11ac (VHT40)	5795	Ant0	76.60	1.16
802.11ac (VHT80)	5775	Ant0	68.57	1.64

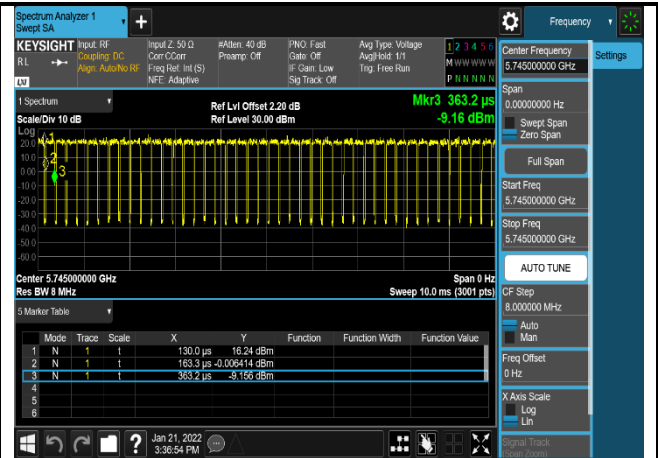
Test Plots



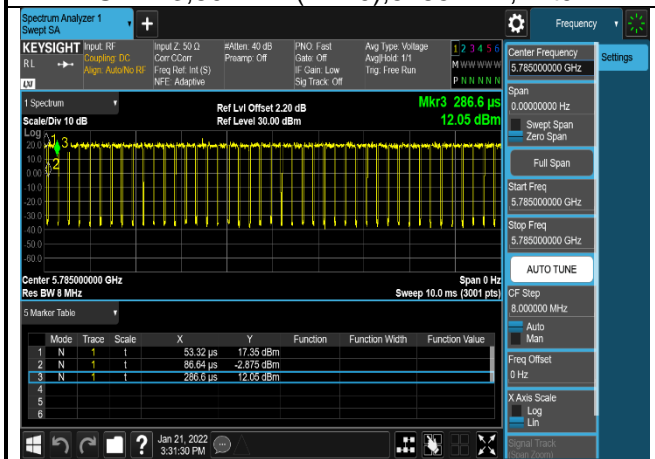




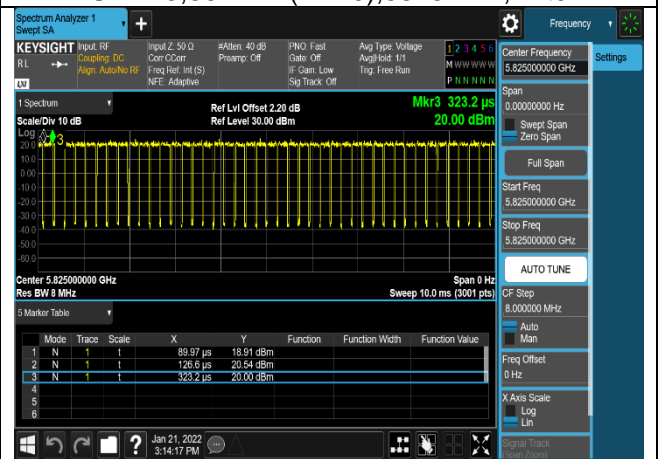
U-NII-3,802.11n(HT20),5785MHz,Ant0



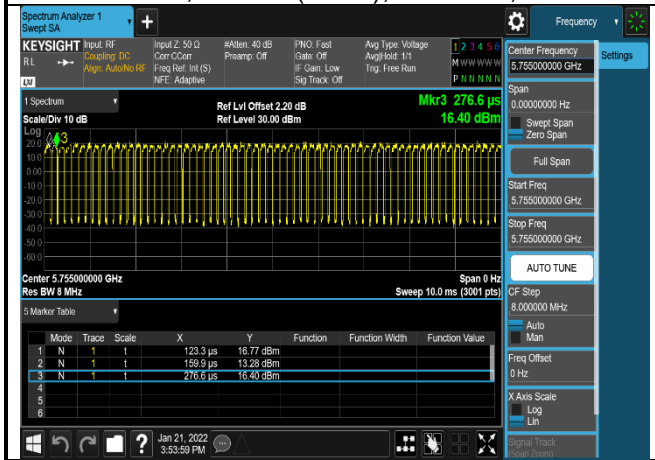
U-NII-3,802.11n(HT20),5825MHz,Ant0



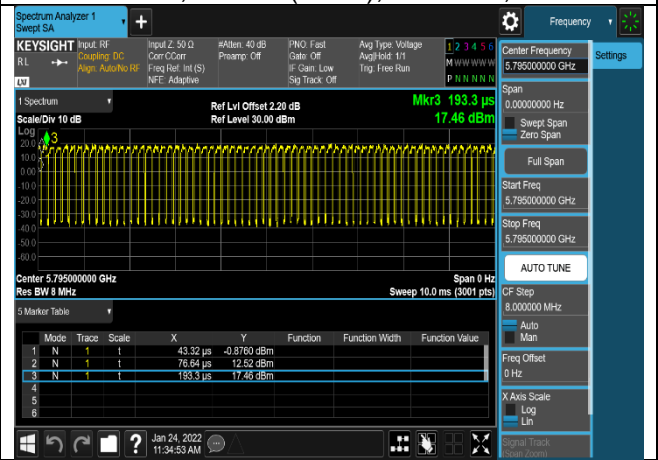
U-NII-3,802.11n(HT40),5755MHz,Ant0



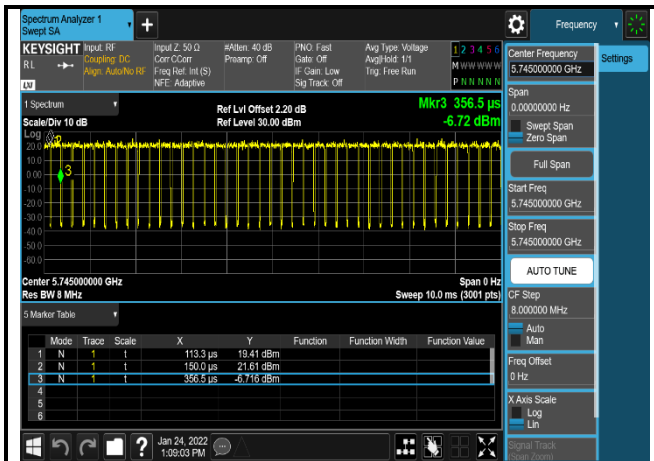
U-NII-3,802.11n(HT40),5795MHz,Ant0



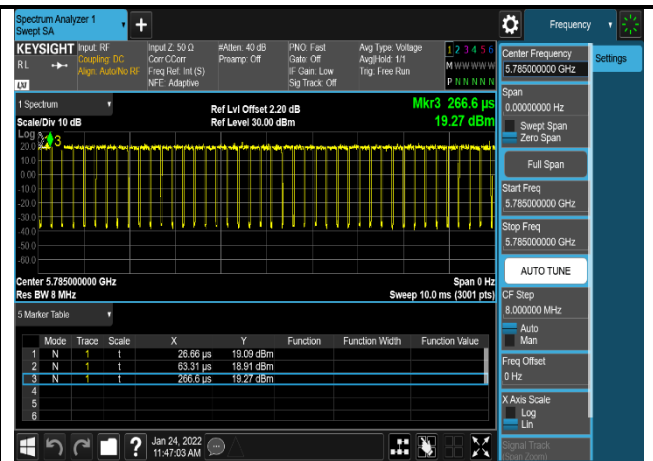
U-NII-3,802.11ac(VHT20),5745MHz  
,Ant0



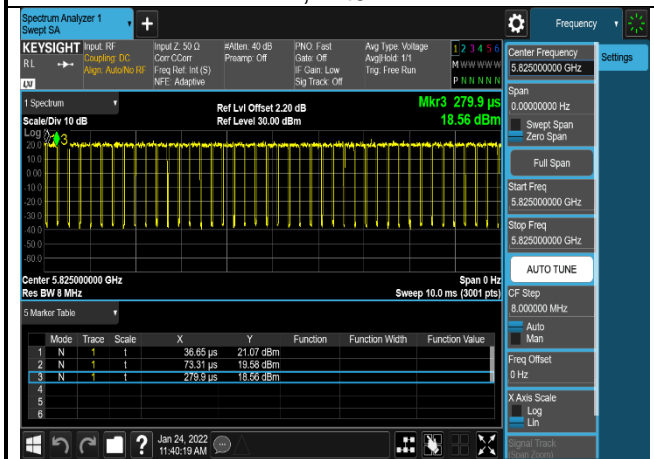
U-NII-3,802.11ac(VHT20),5785MHz  
,Ant0



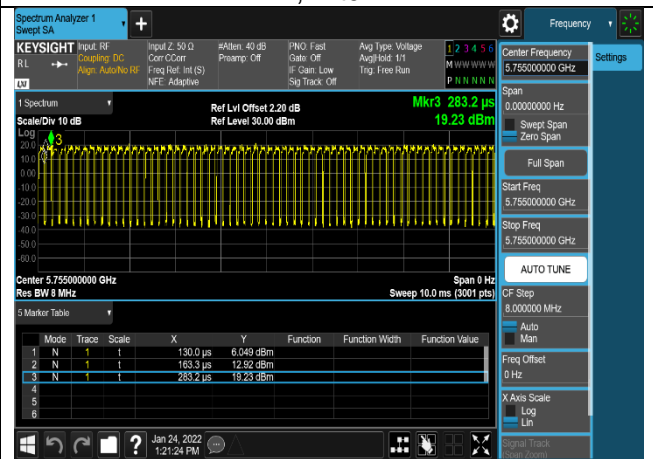
U-NII-3,802.11ac(VHT20),5825MHz  
,Ant0



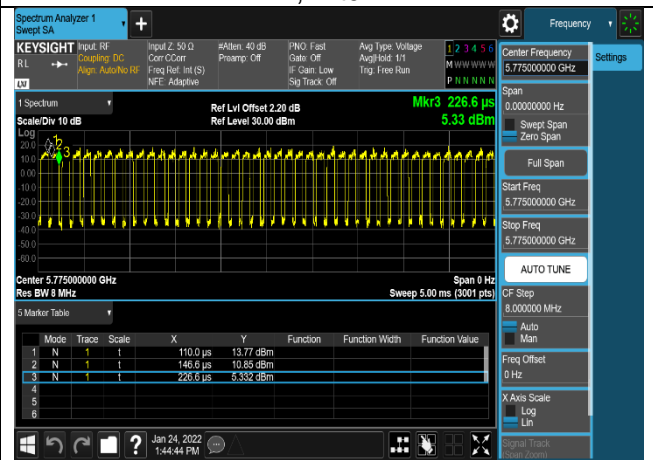
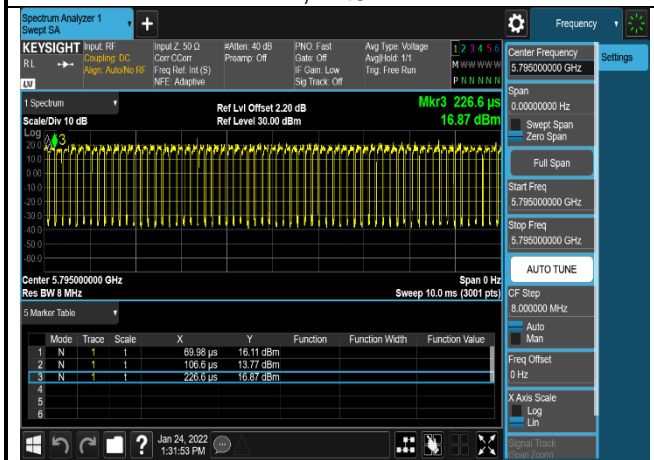
U-NII-3,802.11ac(VHT40),5755MHz  
,Ant0



U-NII-3,802.11ac(VHT40),5795MHz  
,Ant0



U-NII-3,802.11ac(VHT80),5775MHz  
,Ant0



## 1.4 AVGSA Output Power

Test Data

U-NII-3 AVGSA Output Power							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Limit (dBm)	EIRP (dBm)	Result
802.11a	5745	Ant0	0.69	17.51	30	20.17	Pass
802.11a	5785	Ant0	0.69	16.66	30	19.32	Pass
802.11a	5825	Ant0	0.75	17.49	30	20.15	Pass
802.11n (HT20)	5745	Ant0	0.67	17.52	30	20.18	Pass
802.11n (HT20)	5785	Ant0	0.67	16.56	30	19.22	Pass
802.11n (HT20)	5825	Ant0	0.74	17.34	30	20.00	Pass
802.11n (HT40)	5755	Ant0	1.19	17.70	30	20.36	Pass
802.11n (HT40)	5795	Ant0	1.09	16.53	30	19.19	Pass
802.11ac (VHT20)	5745	Ant0	0.71	17.32	30	19.98	Pass
802.11ac (VHT20)	5785	Ant0	0.72	16.29	30	18.95	Pass
802.11ac (VHT20)	5825	Ant0	0.71	17.02	30	19.68	Pass
802.11ac (VHT40)	5755	Ant0	1.06	17.35	30	20.01	Pass
802.11ac (VHT40)	5795	Ant0	1.16	16.79	30	19.45	Pass
802.11ac (VHT80)	5775	Ant0	1.64	16.90	30	19.56	Pass