

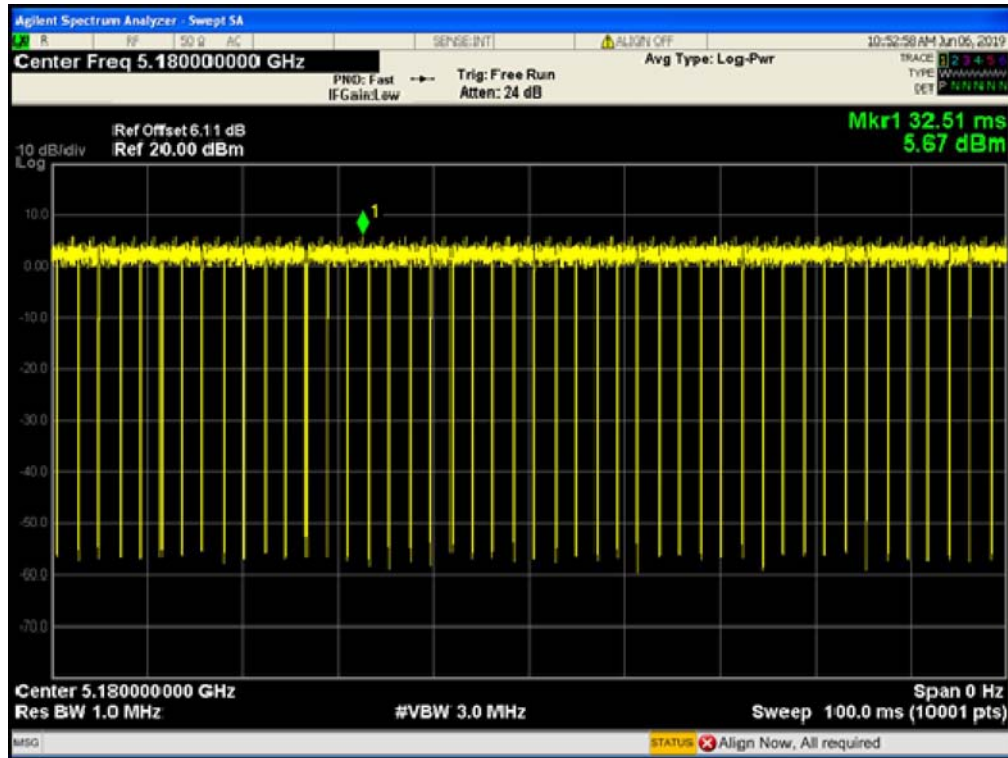
## Attachment E-- Maximum Output Power Test Data

Temperature:		25 °C	Relative Humidity:		55%
Test Voltage:		AC 120V/60Hz			
U-NII-1					
Test Mode	Frequency (MHz)	Test Data		Limit (dBm)	
		Conducted Power(avg) (dBm)			
802.11a	5180	14.459		24	
	5200	14.641			
	5240	14.106			
802.11n (HT20)	5180	14.355			
	5200	14.522			
	5240	14.322			
802.11ac (HT20)	5180	14.558			
	5200	14.763			
	5240	14.277			
802.11n (HT40)	5190	14.653			
	5230	14.443			
802.11 ac(40)	5190	14.547			
	5230	14.480			
802.11 ac(80)	5210	14.490			
Result: PASS					

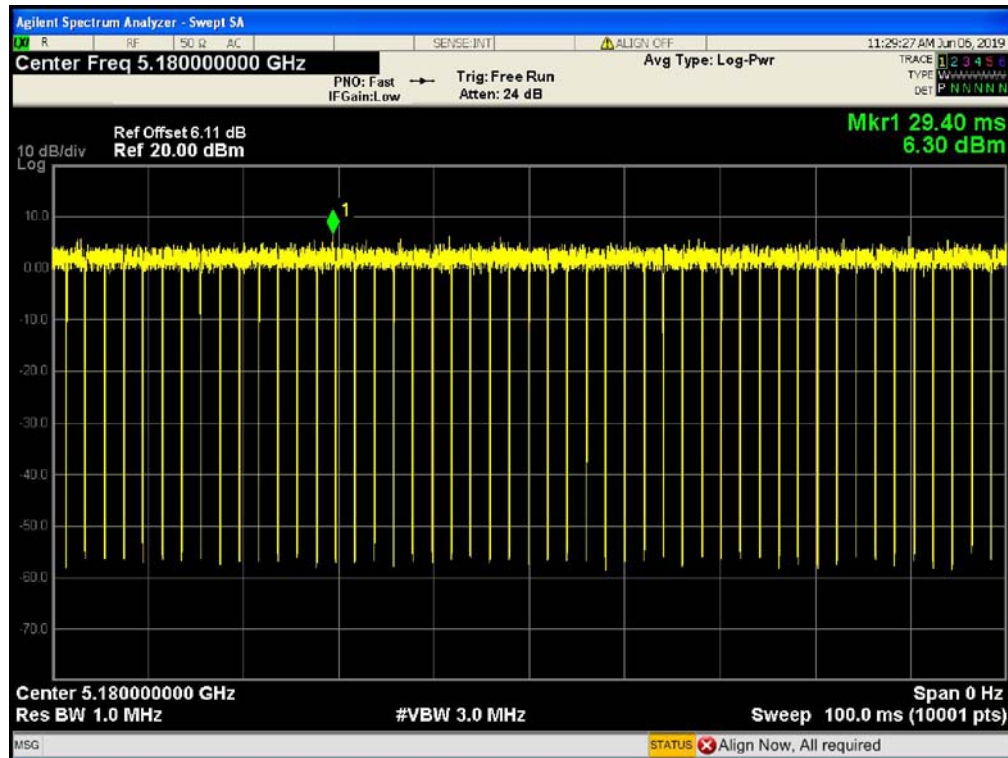
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
U-NII-3			
Test Mode	Frequency (MHz)	Test Data	Limit (dBm)
		Conducted Power (avg) (dBm)	
802.11a	5745	14.686	30
	5785	14.662	
	5825	14.830	
802.11n (HT20)	5745	14.813	
	5785	14.770	
	5825	14.853	
802.11ac (HT20)	5745	14.712	
	5785	14.595	
	5825	14.756	
802.11n (HT40)	5755	15.087	
	5795	14.924	
802.11 ac(40)	5755	15.050	
	5795	14.929	
802.11 ac(80)	5775	15.070	
Result: PASS			

Test Mode		Duty cycle
U-NII-1	802.11 a	>98%
	802.11 n(HT20)	
	802.11 ac(HT20)	
	802.11 n(HT40)	
	802.11 ac(HT40)	
	802.11 ac(HT80)	
U-NII-3	802.11 a	
	802.11 n(HT20)	
	802.11 ac(HT20)	
	802.11 n(HT40)	
	802.11 ac(HT40)	
	802.11 ac(HT80)	
Please see the next plots.		

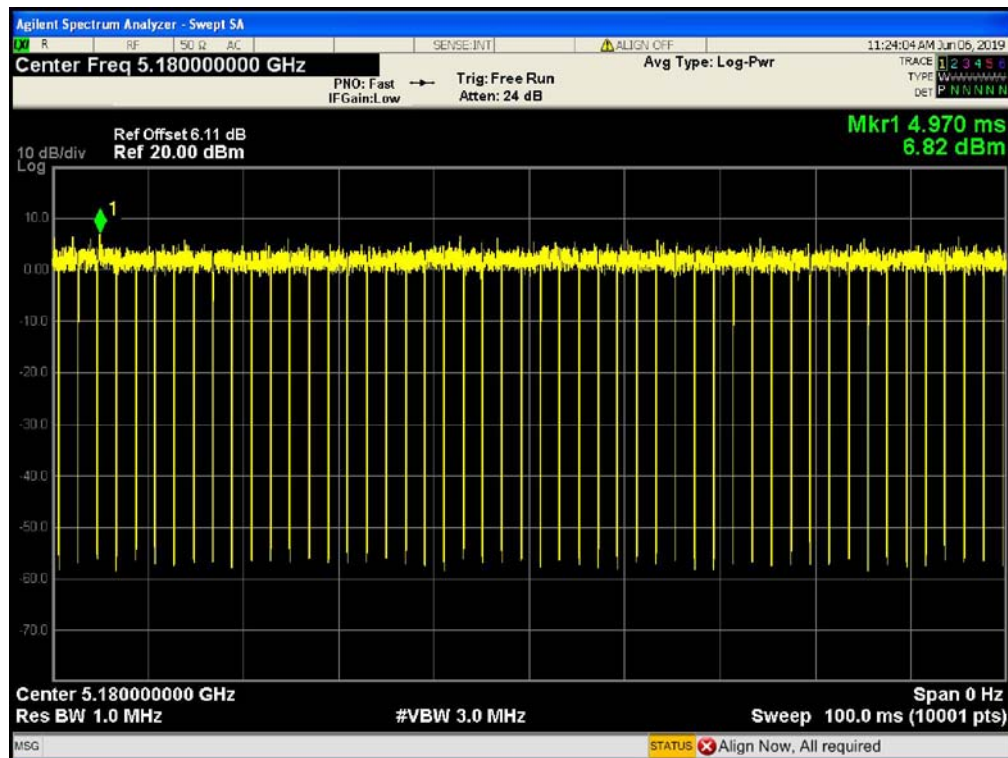
802.11 a 5180MHz U-NII-1



802.11 n(HT20) 5180MHz U-NII-1



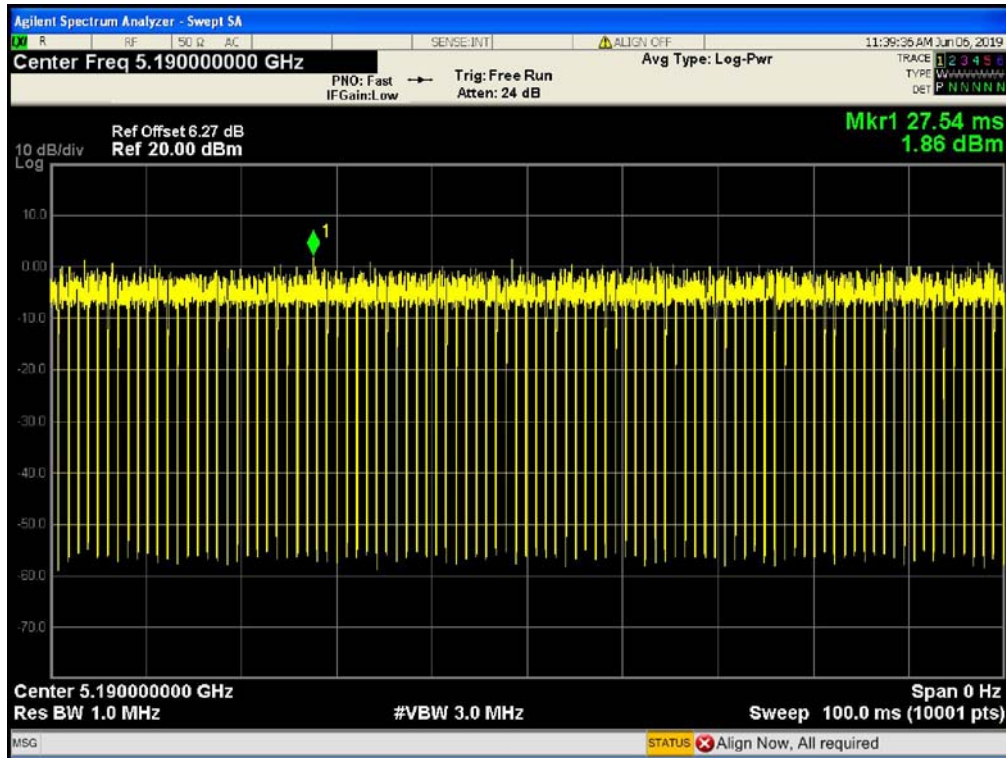
802.11 ac(HT20) 5180MHz U-NII-1



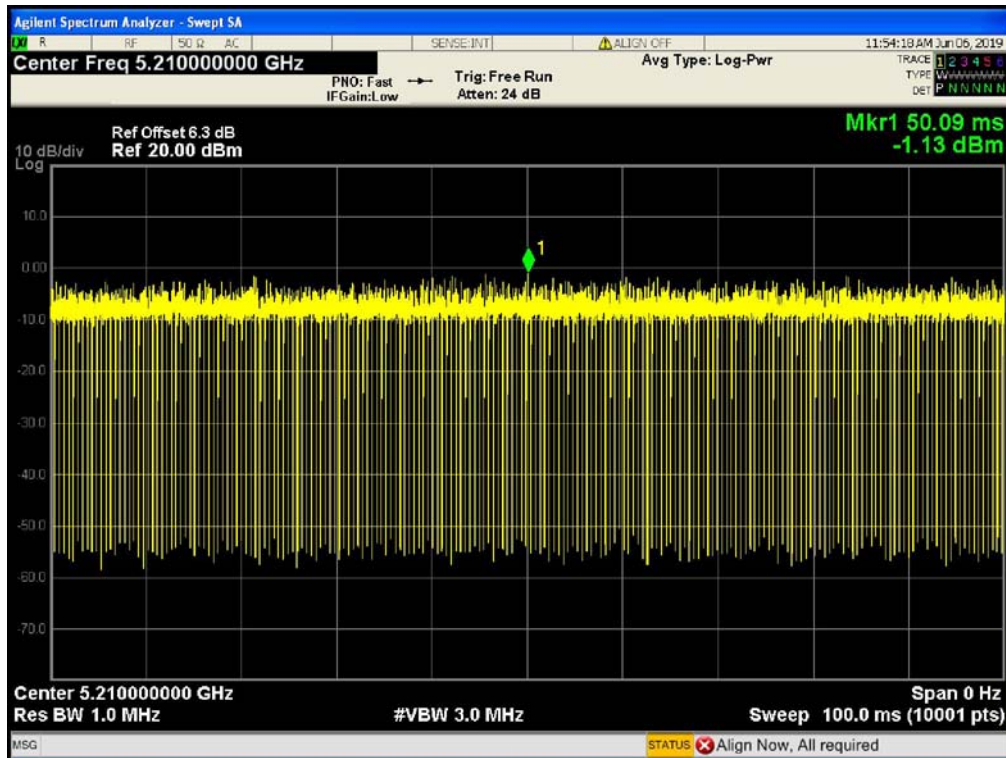
802.11 n(HT40) 5190MHz U-NII-1



802.11 ac(HT40) 5190MHz U-NII-1

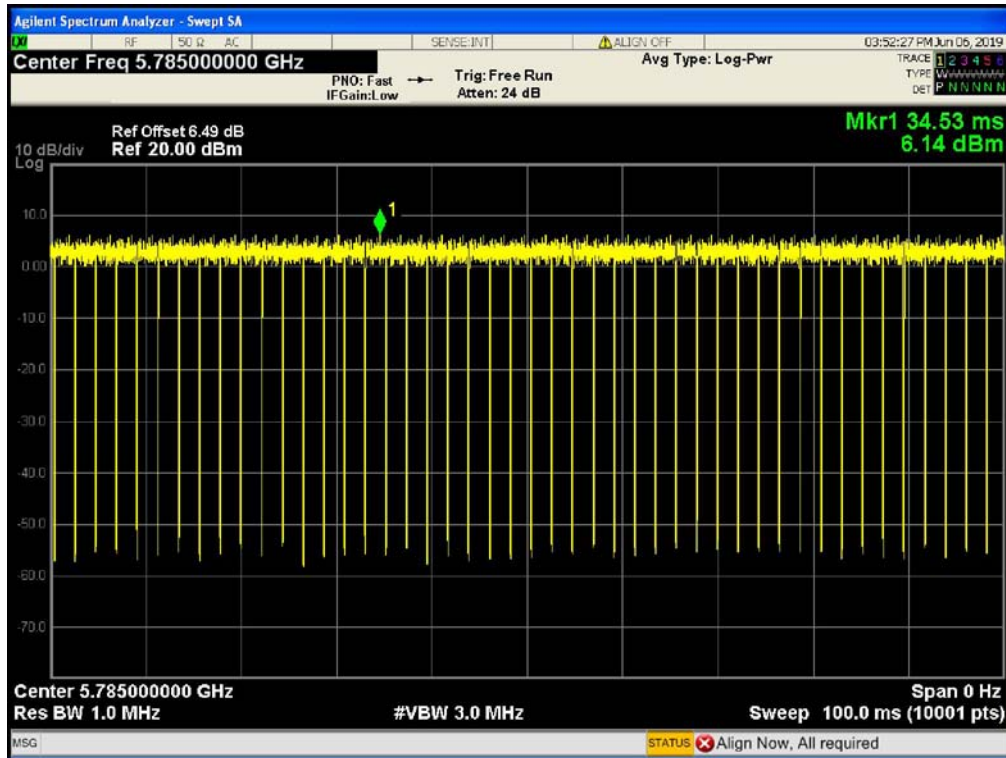


802.11 ac(HT80) 5210MHz U-NII-1

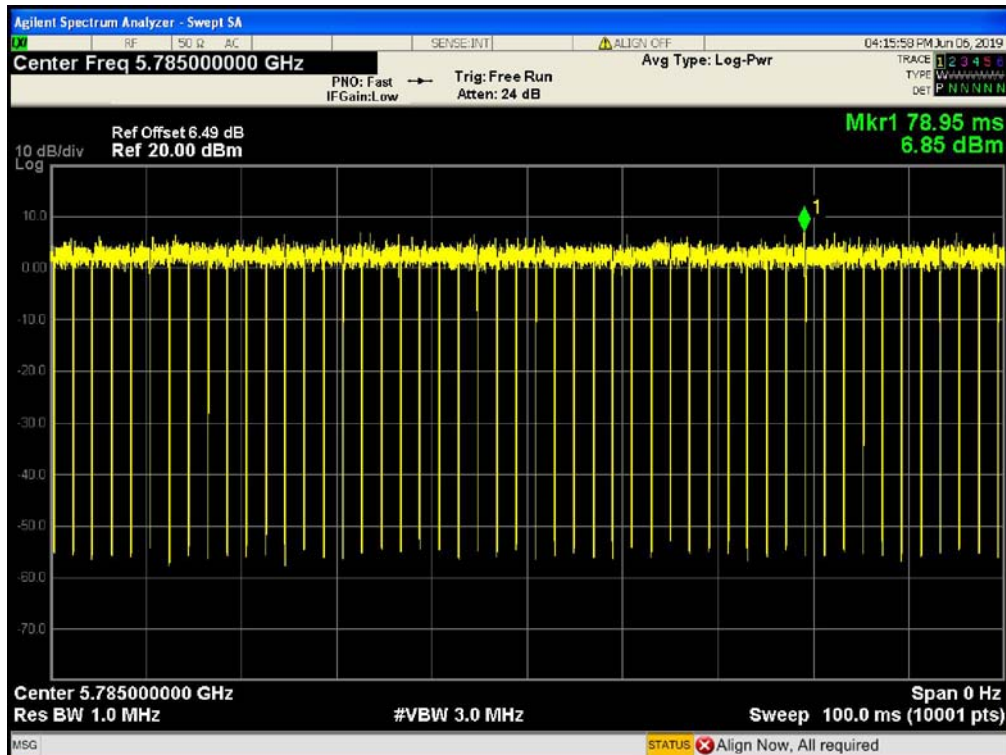




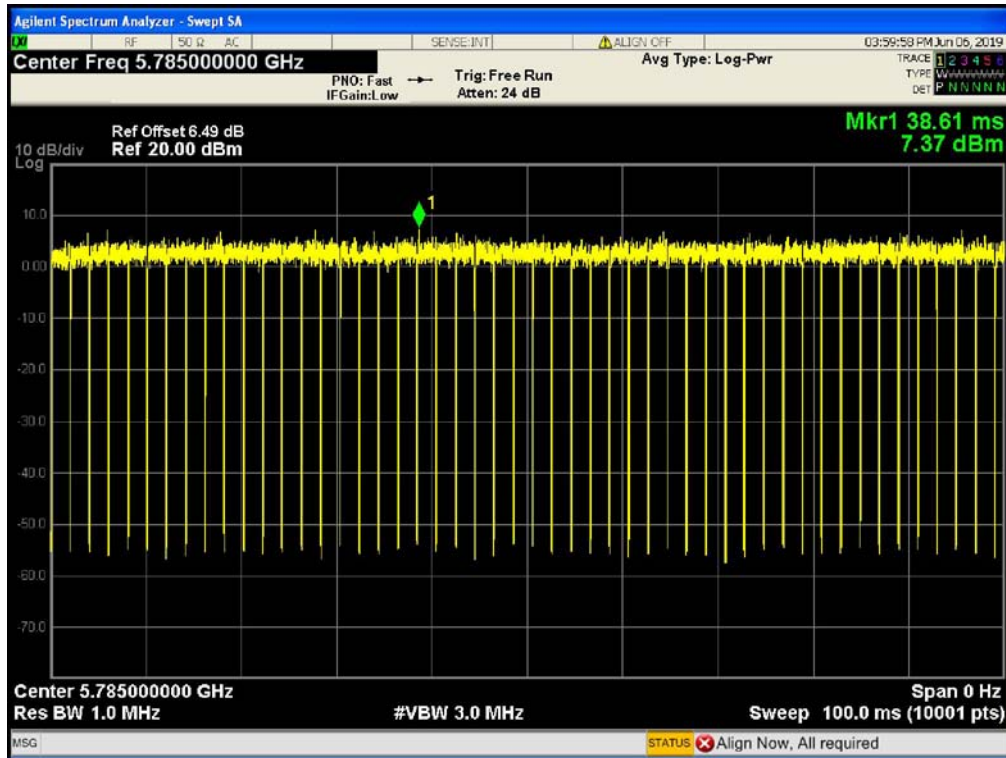
802.11 a 5785MHz U-NII-3



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



**802.11 ac(HT20) 5785MHz U-NII-3**

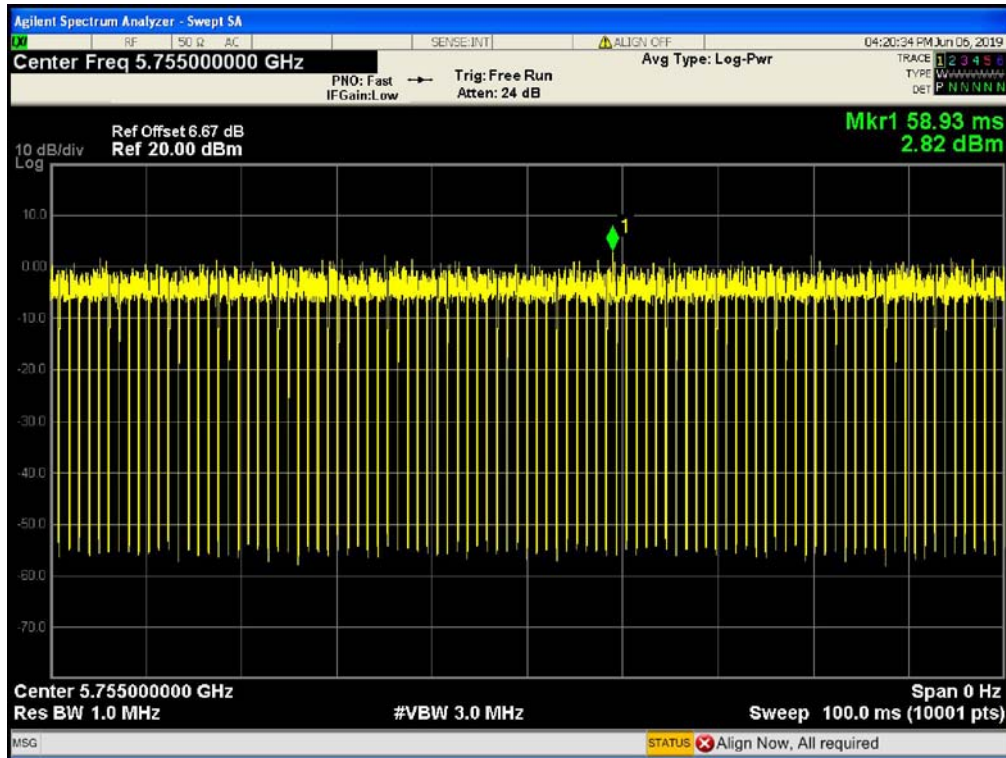


**802.11 n(HT40) 5755MHz U-NII-3**

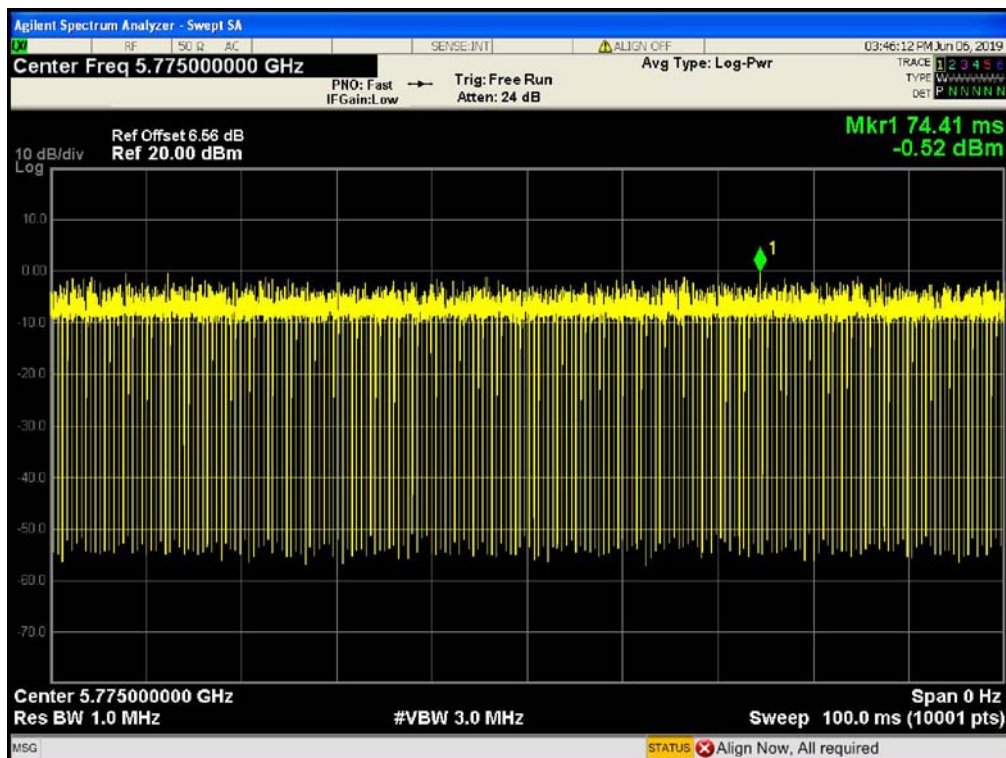




802.11 ac(HT40) 5755MHz U-NII-3



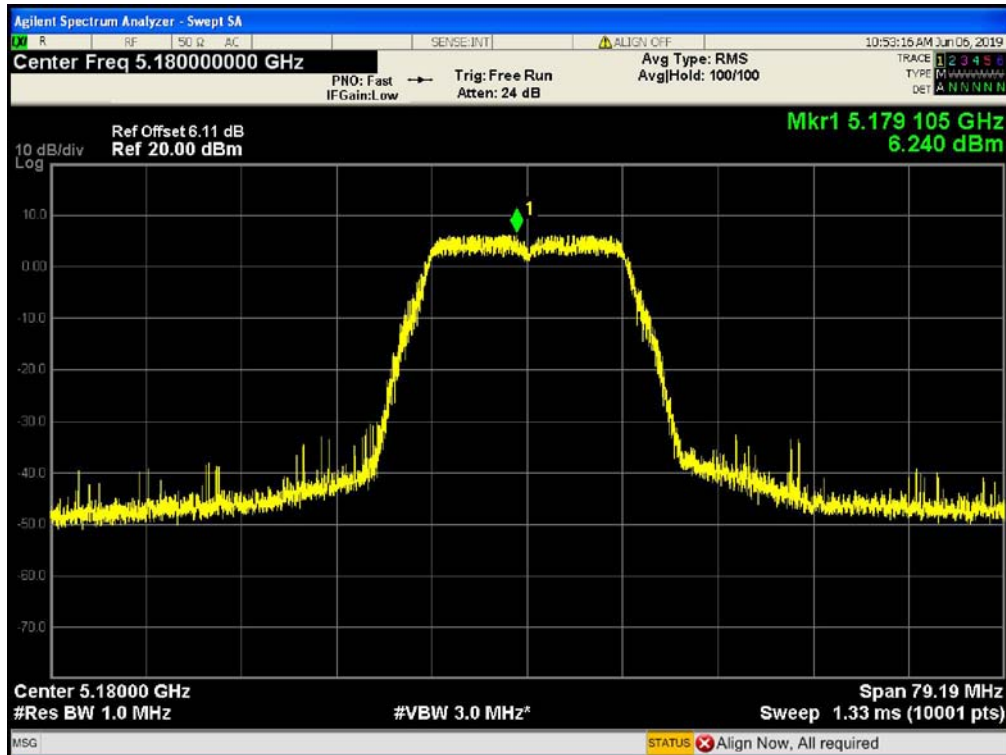
802.11 ac(HT80) 5775MHz U-NII-3



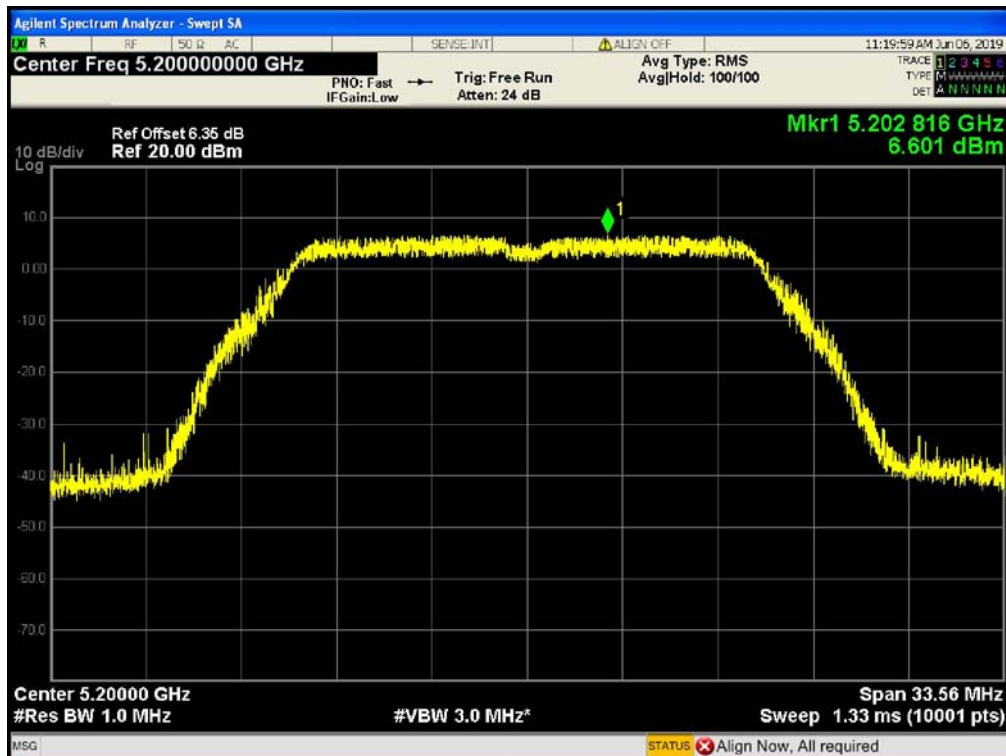
## Attachment F-- Power Spectral Density Test Data

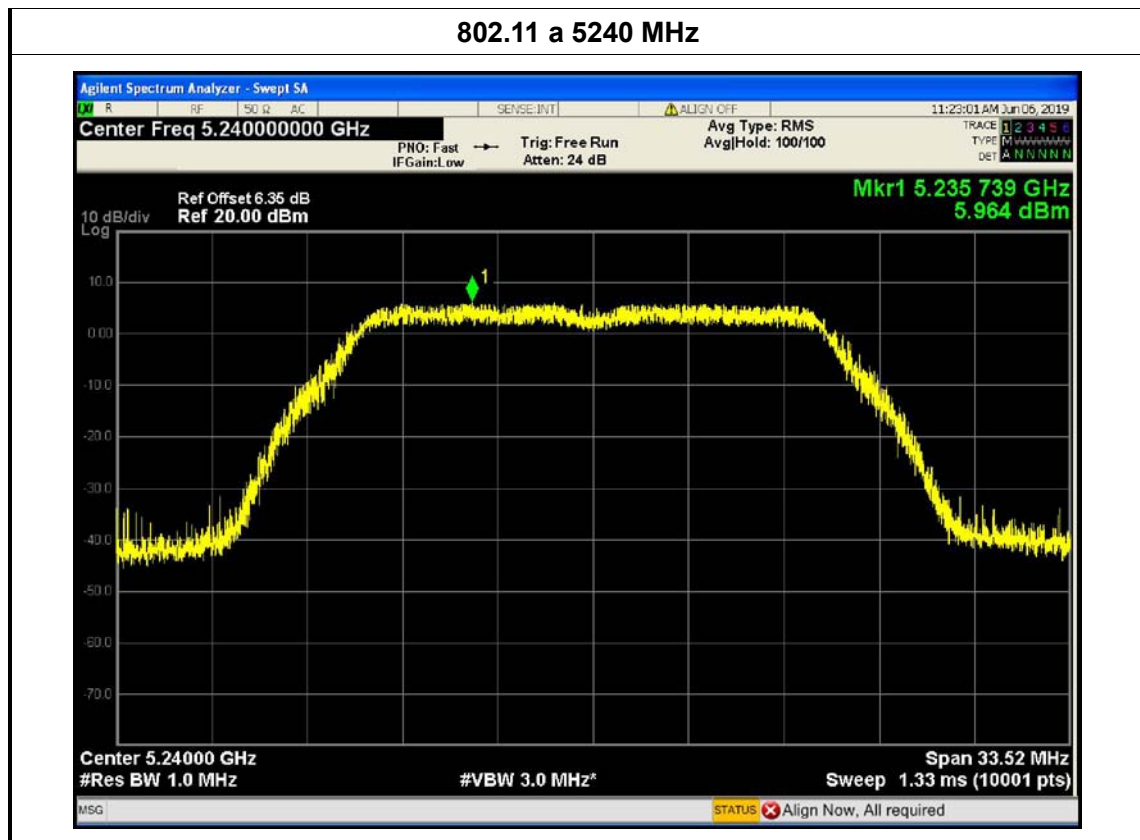
EUT:	AV 1000 AC Wi-Fi Powerline Extender	Model Name :	PA7	
Temperature:	25 °C	Relative Humidity:	55%	
Test Voltage:	AC 120V/60Hz			
U-NII-1				
Test Mode	Frequency (MHz)	Test Data	Limit (dBm)	
		Power Density (dBm/MHz)		
802.11a	5180	6.240	11	
	5200	6.601		
	5240	5.964		
802.11n (HT20)	5180	6.336		
	5200	6.719		
	5240	5.758		
802.11ac (HT20)	5180	7.091		
	5200	7.077		
	5240	6.643		
802.11n (HT40)	5190	3.635		
	5230	3.377		
802.11ac(40)	5190	3.389		
	5230	3.399		
802.11ac(80)	5210	1.571		
Result: PASS				
Test plots please refer to below pages:				

802.11 a 5180 MHz

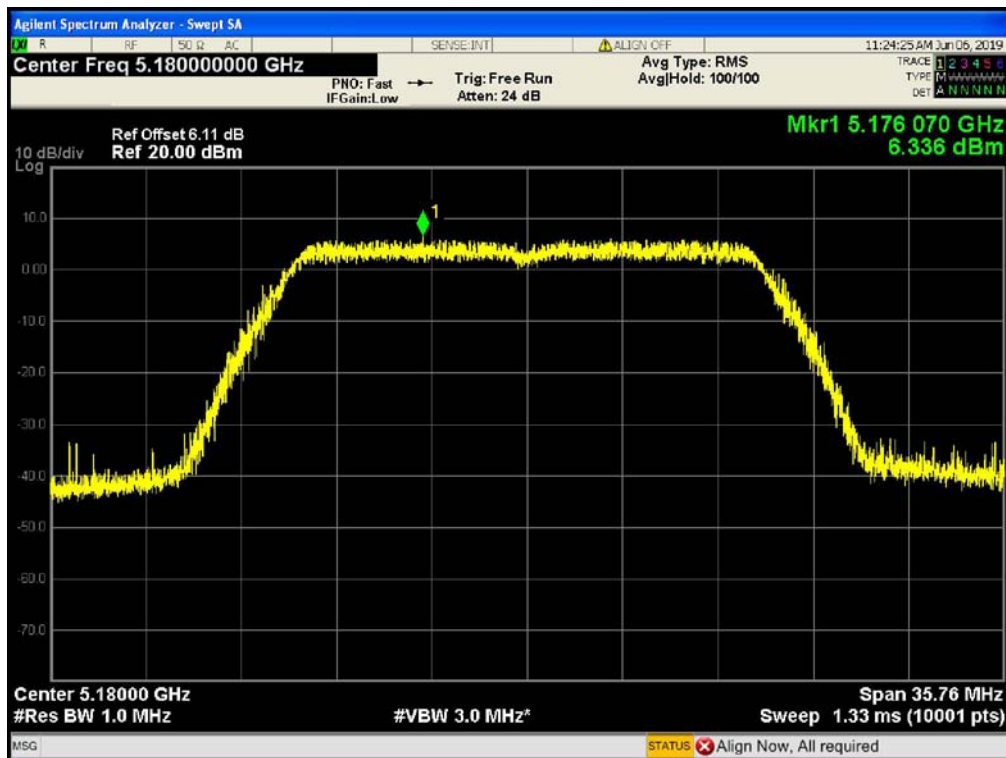


802.11 a 5200 MHz

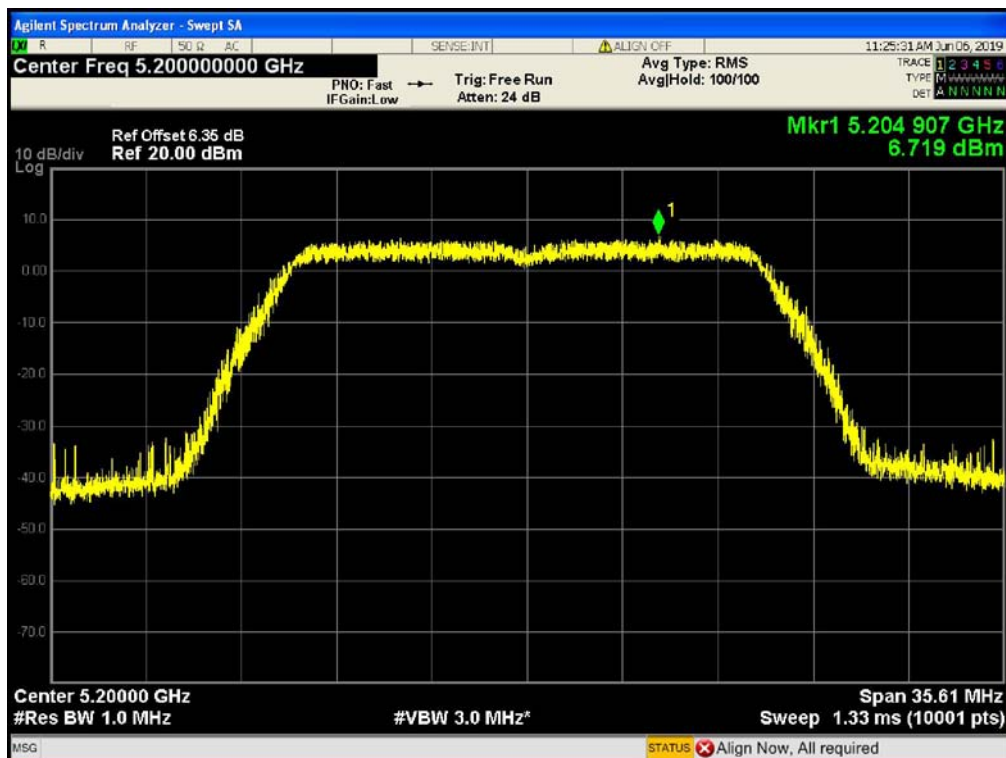


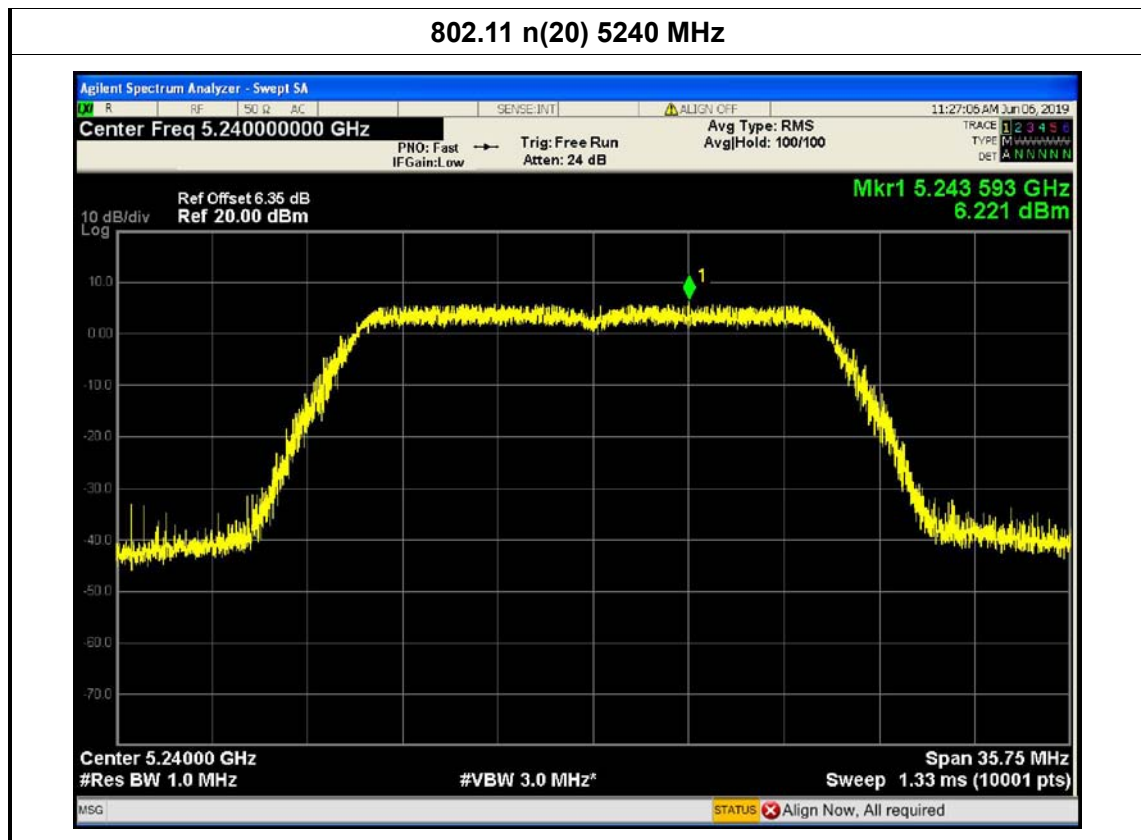


802.11 n(20) 5180 MHz



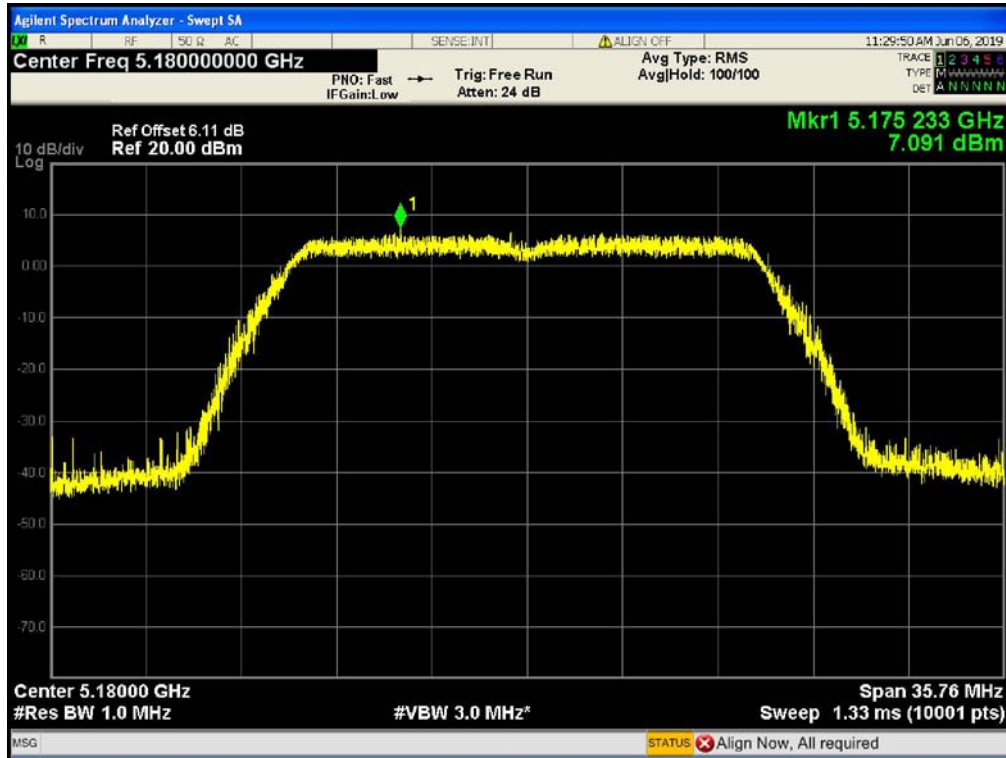
802.11 n(20) 5200 MHz



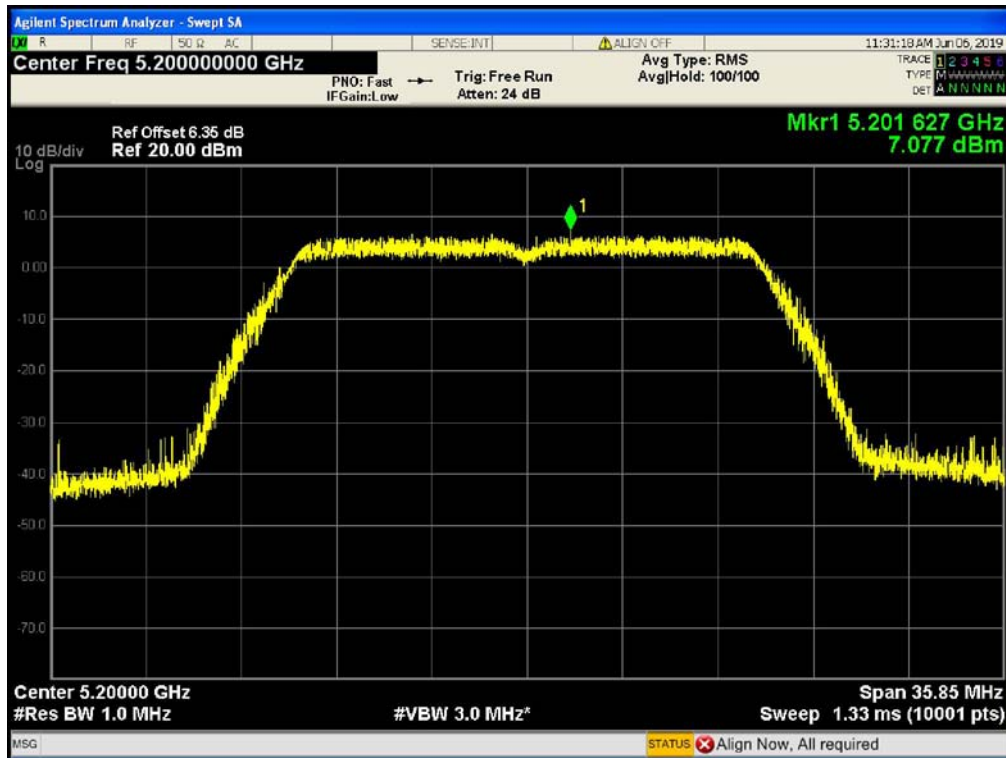


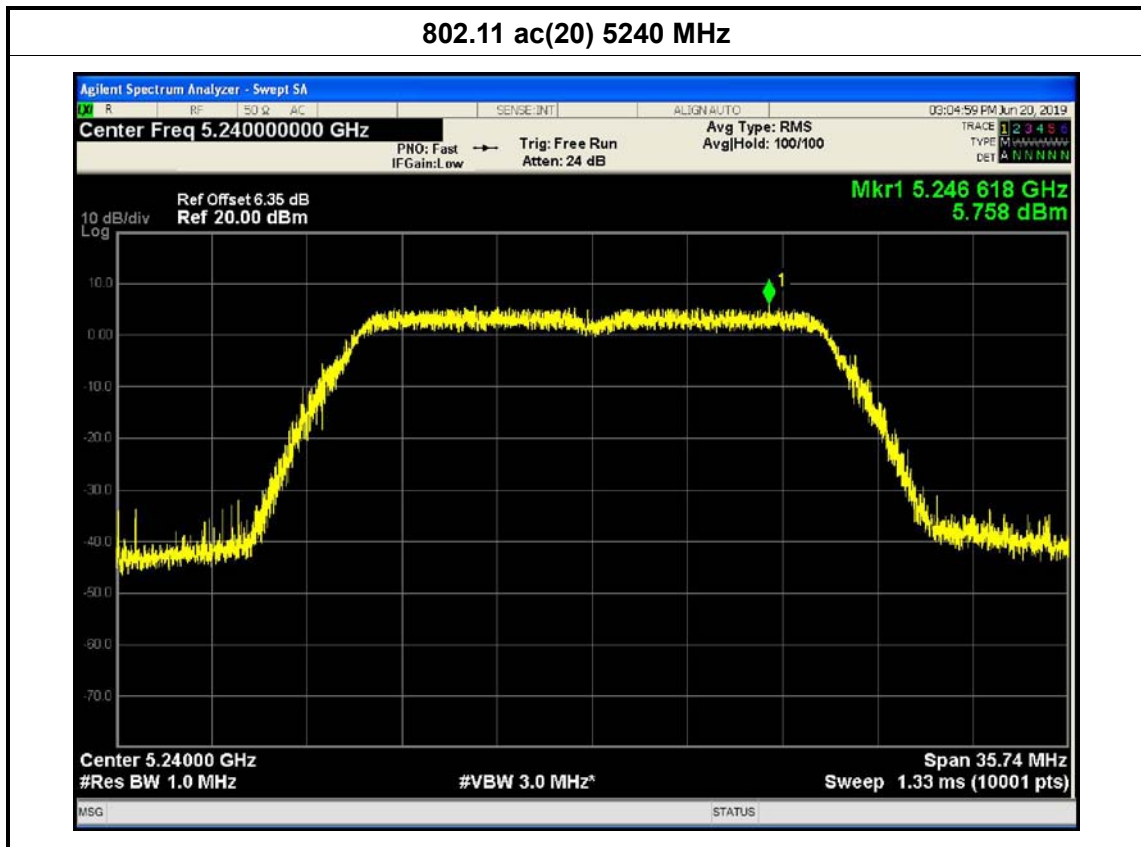


802.11 ac(20) 5180 MHz

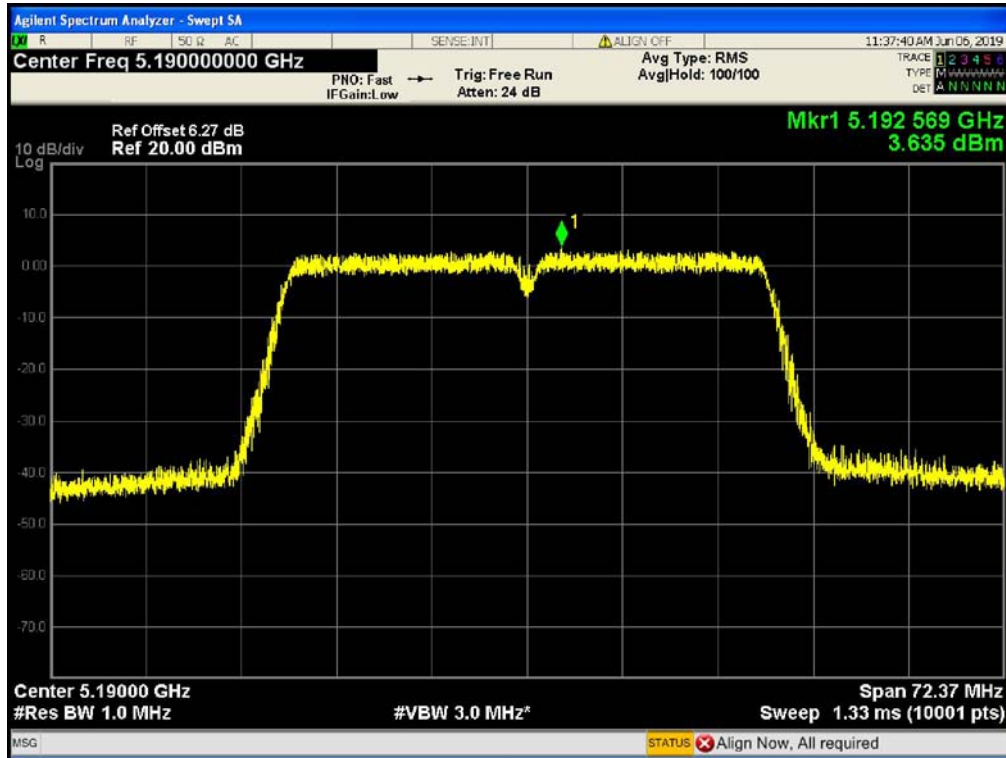


802.11 ac(20) 5200 MHz

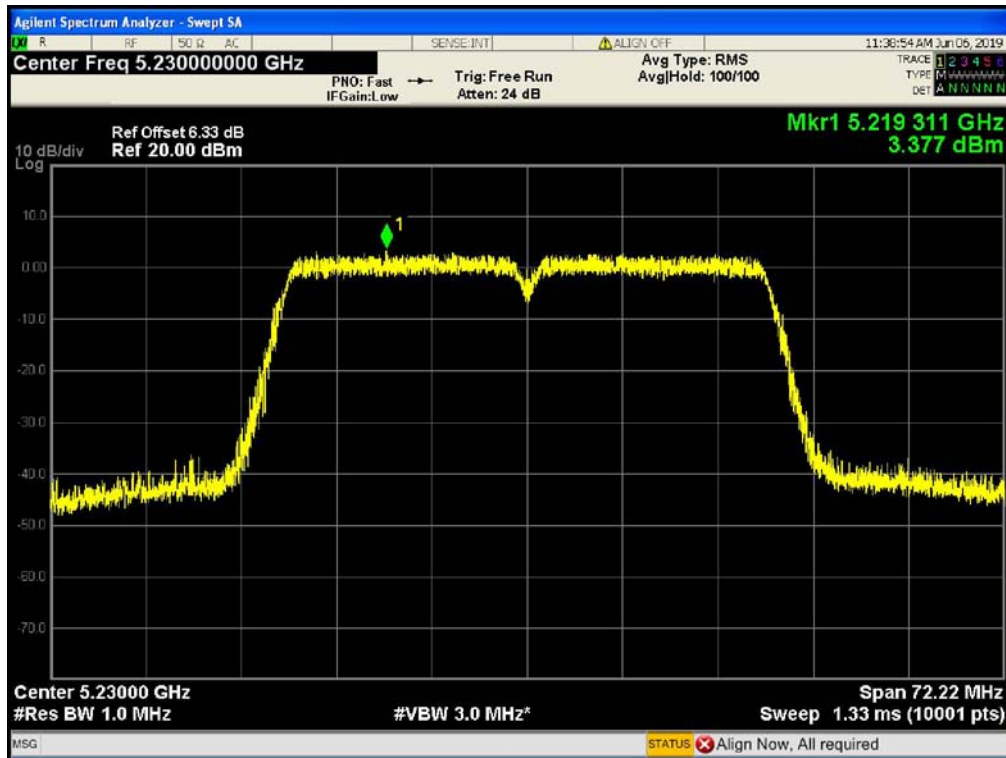




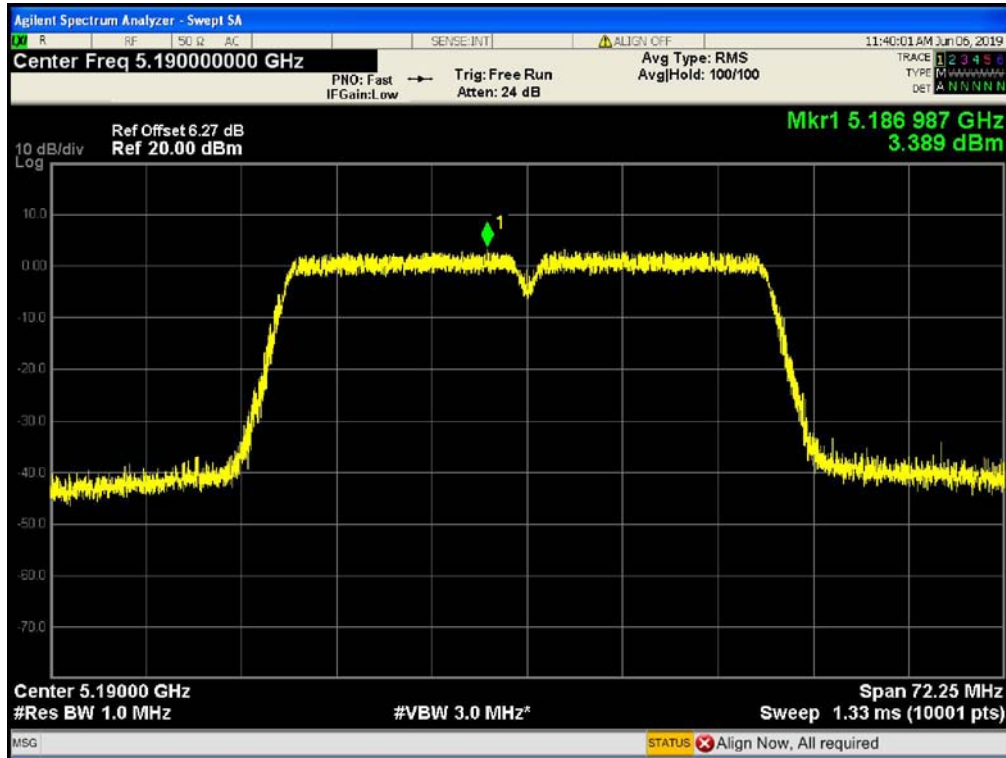
802.11 n(40) 5190 MHz



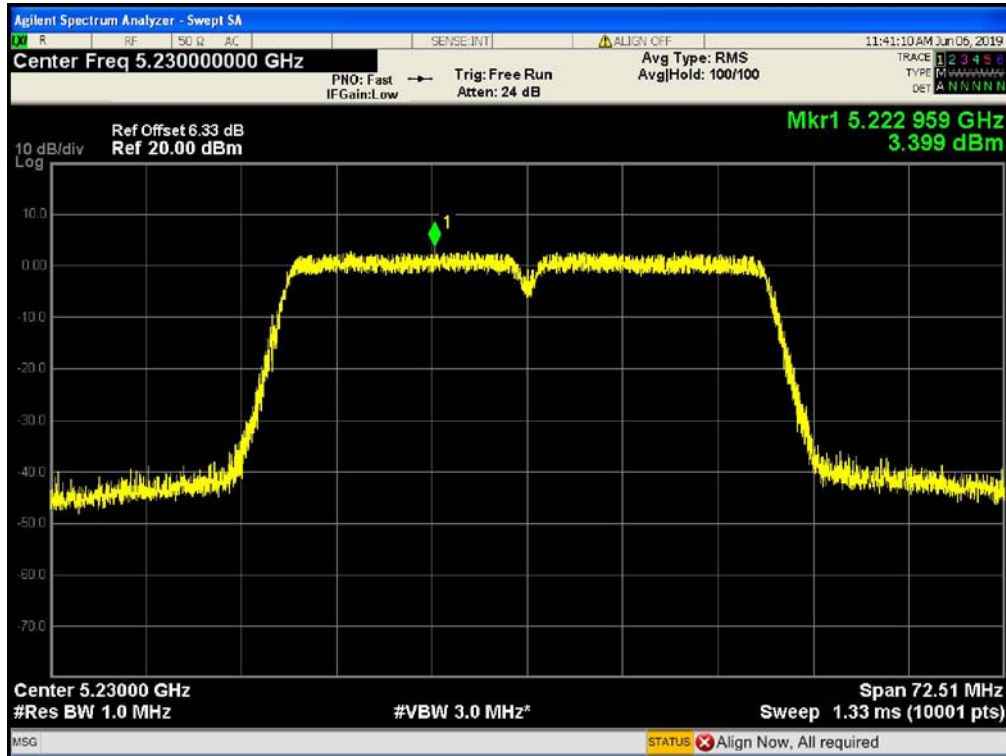
802.11 n(40) 5230 MHz

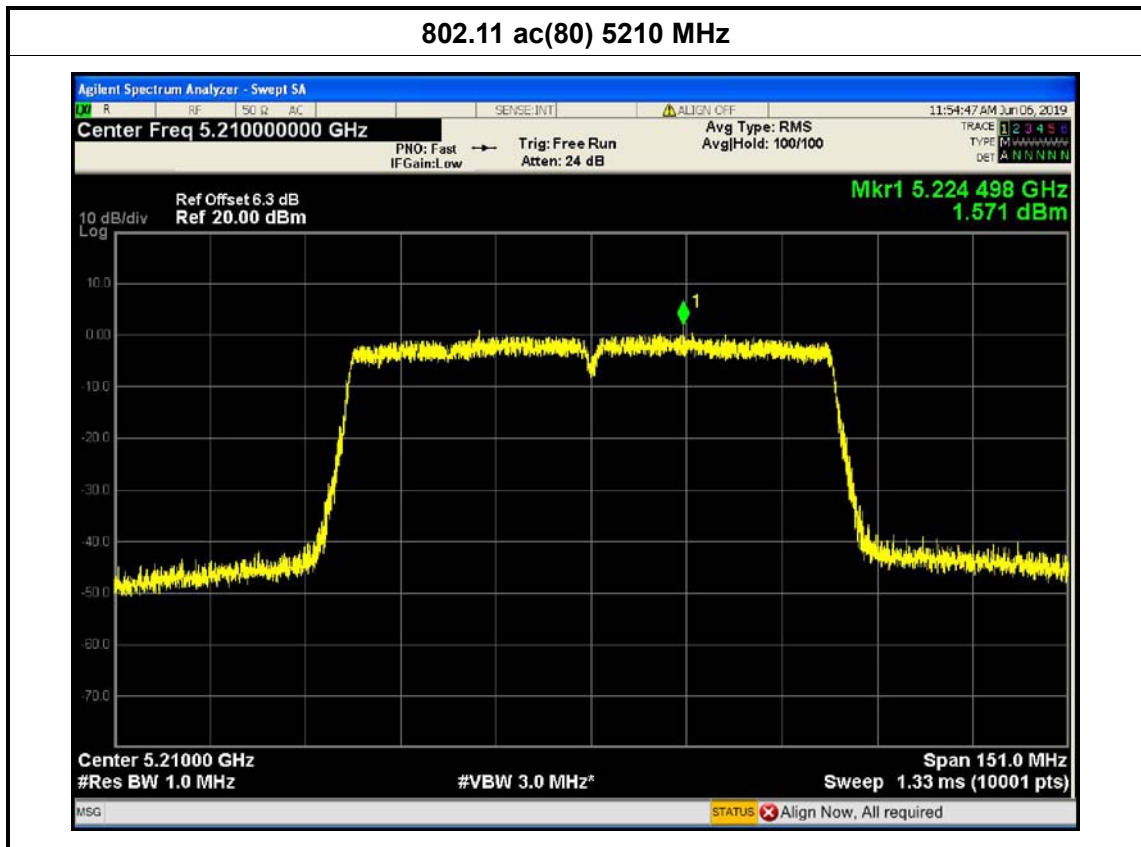


802.11 ac(40) 5190 MHz



802.11 ac(40) 5230 MHz

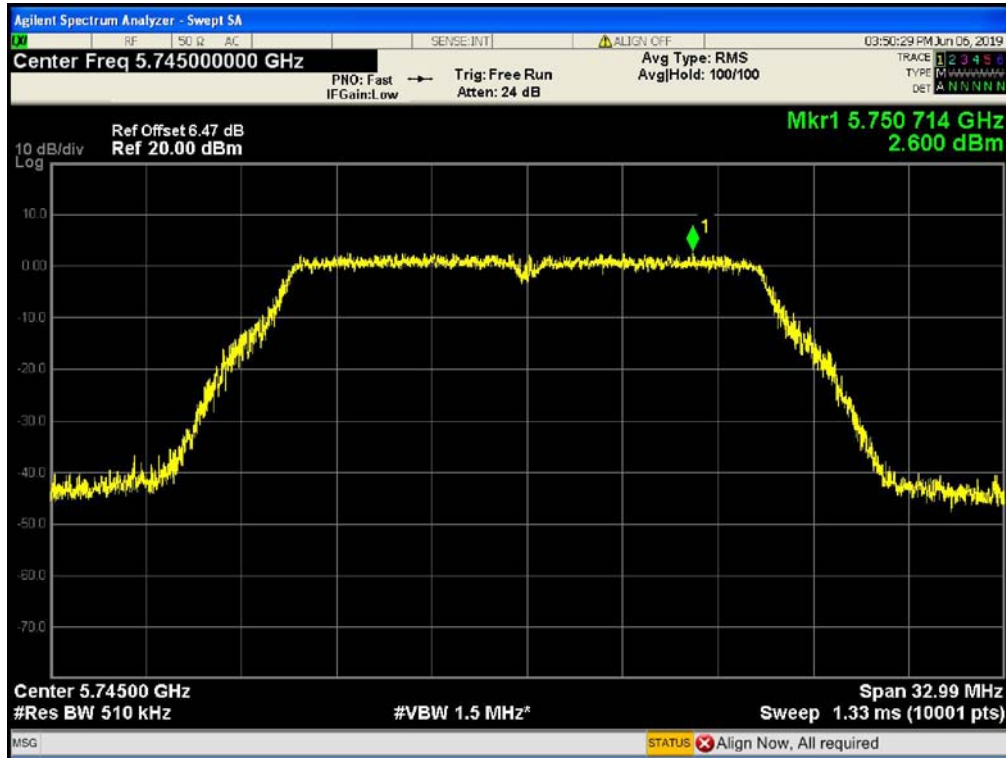




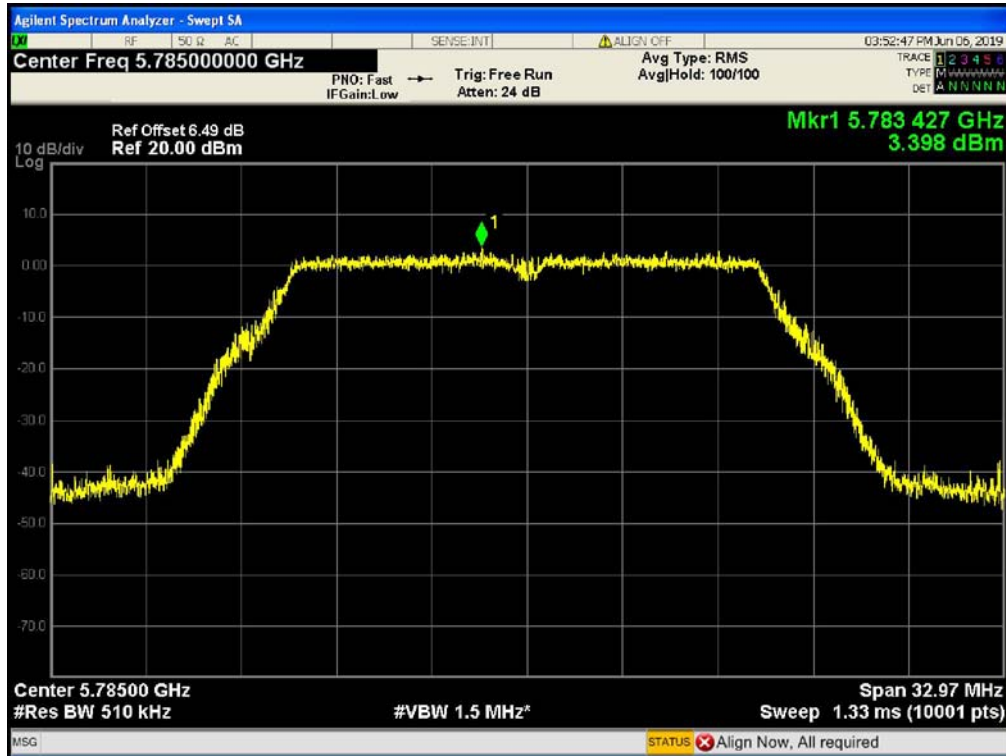
EUT:	AV 1000 AC Wi-Fi Powerline Extender	Model Name :	PA7	
Temperature:	25 °C	Relative Humidity:	55%	
Test Voltage:	AC 120V/60Hz			
U-NII-3				
Test Mode	Frequency (MHz)	Test Data	Limit (dBm)	
		Power Density (dBm/MHz)		
802.11a	5745	2.600	30	
	5785	3.398		
	5825	3.061		
802.11n (HT20)	5745	3.221		
	5785	3.435		
	5825	3.039		
802.11ac (HT20)	5745	3.181		
	5785	3.062		
	5825	3.691		
802.11n (HT40)	5755	0.788		
	5795	0.473		
802.11ac(40)	5755	1.124		
	5795	0.521		
802.11ac(80)	5775	-2.728		
Result: PASS				
Test plots please refer to below pages:				

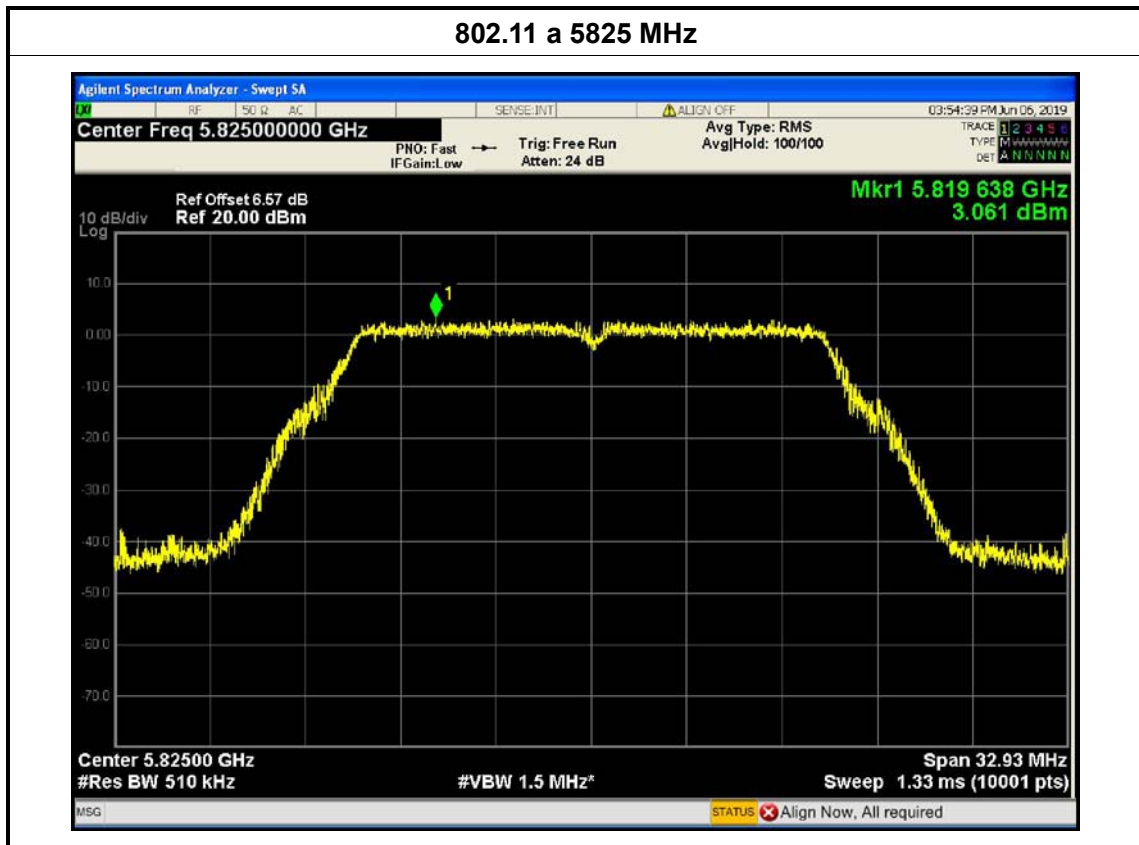


802.11 a 5745 MHz

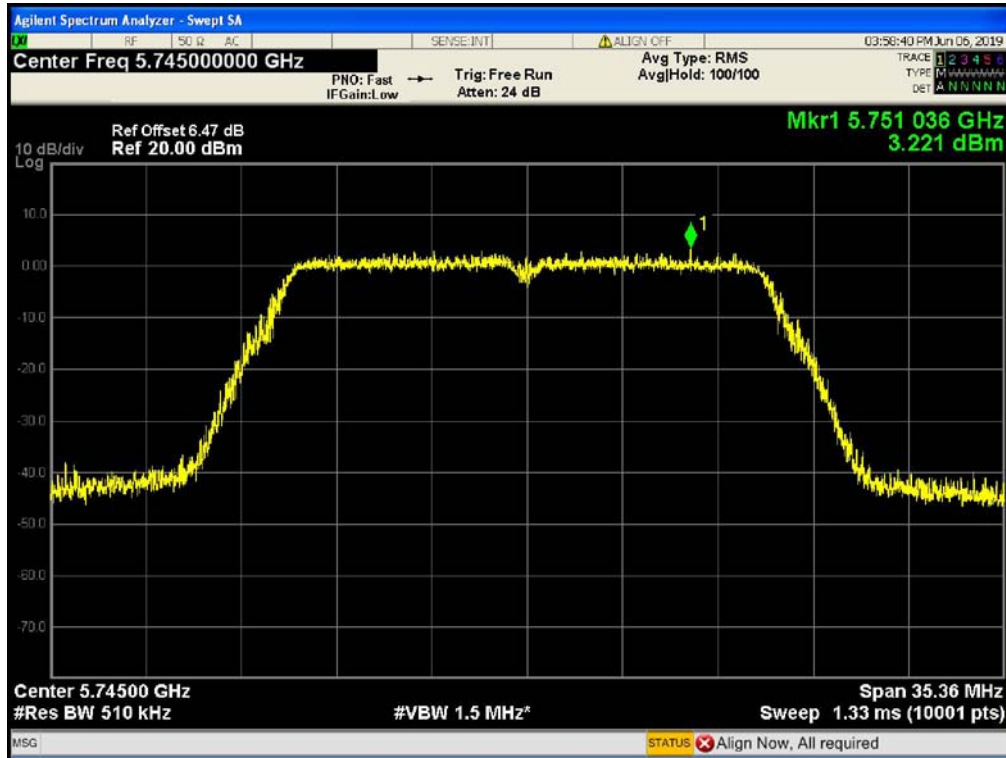


802.11 a 5785 MHz

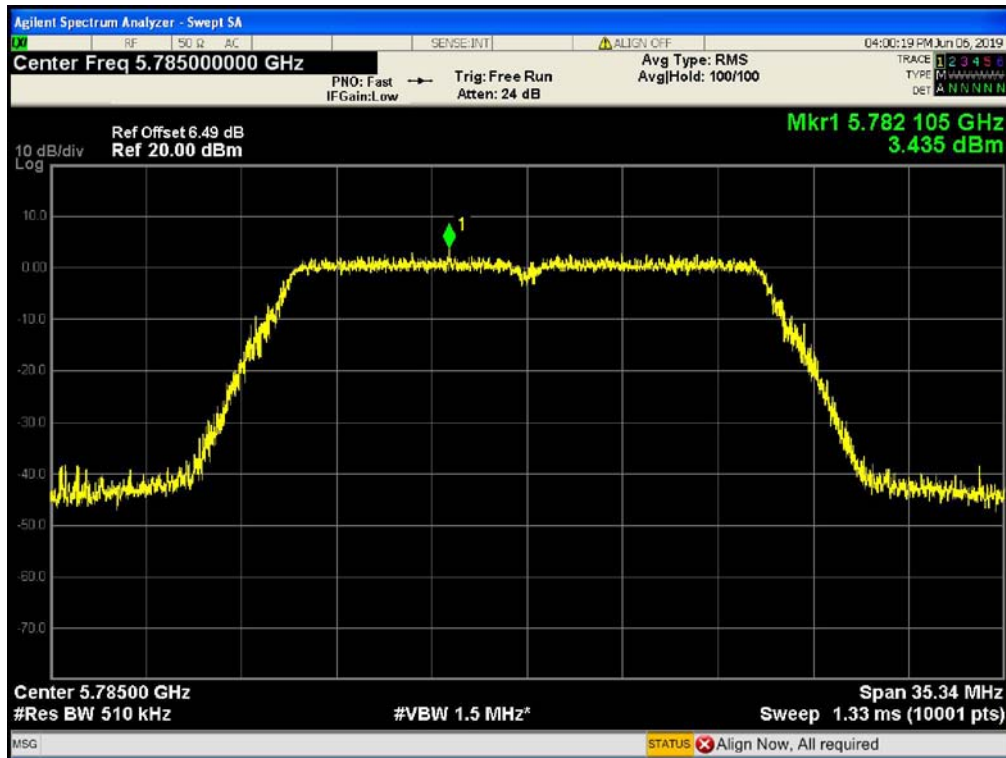


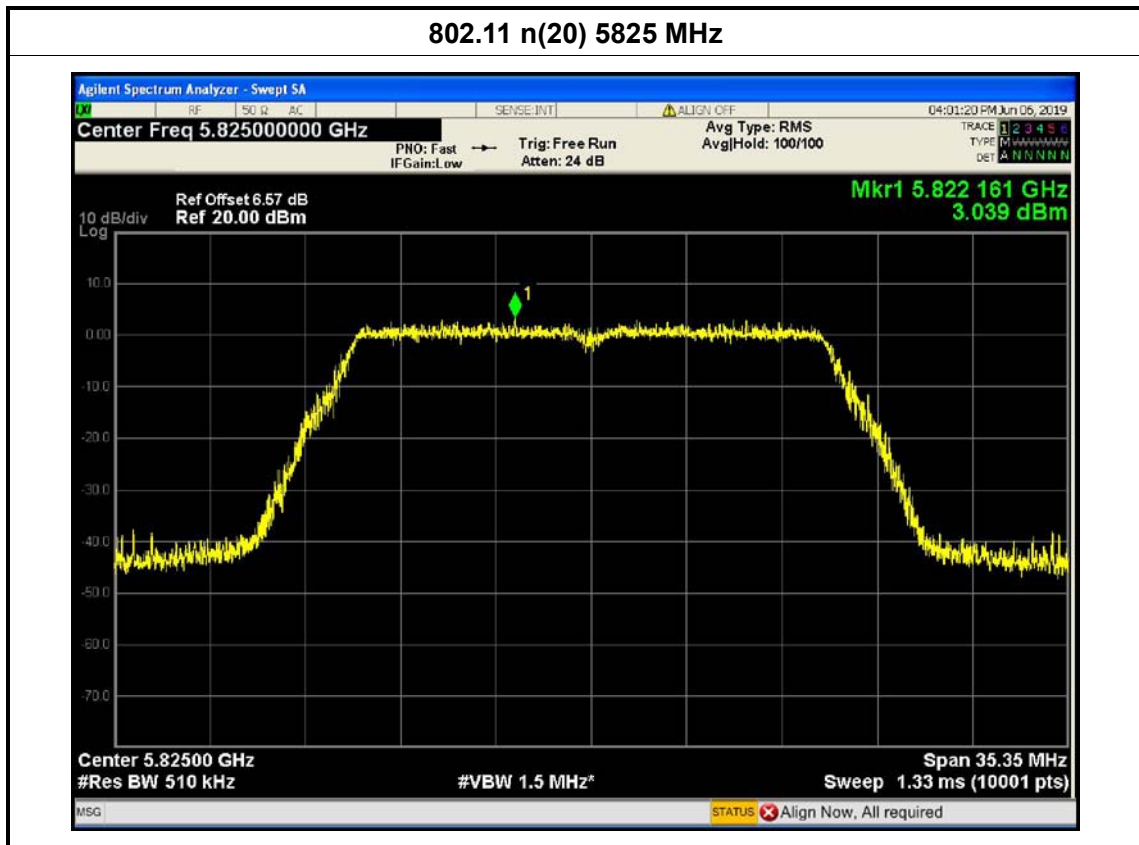


802.11 n(20) 5745 MHz

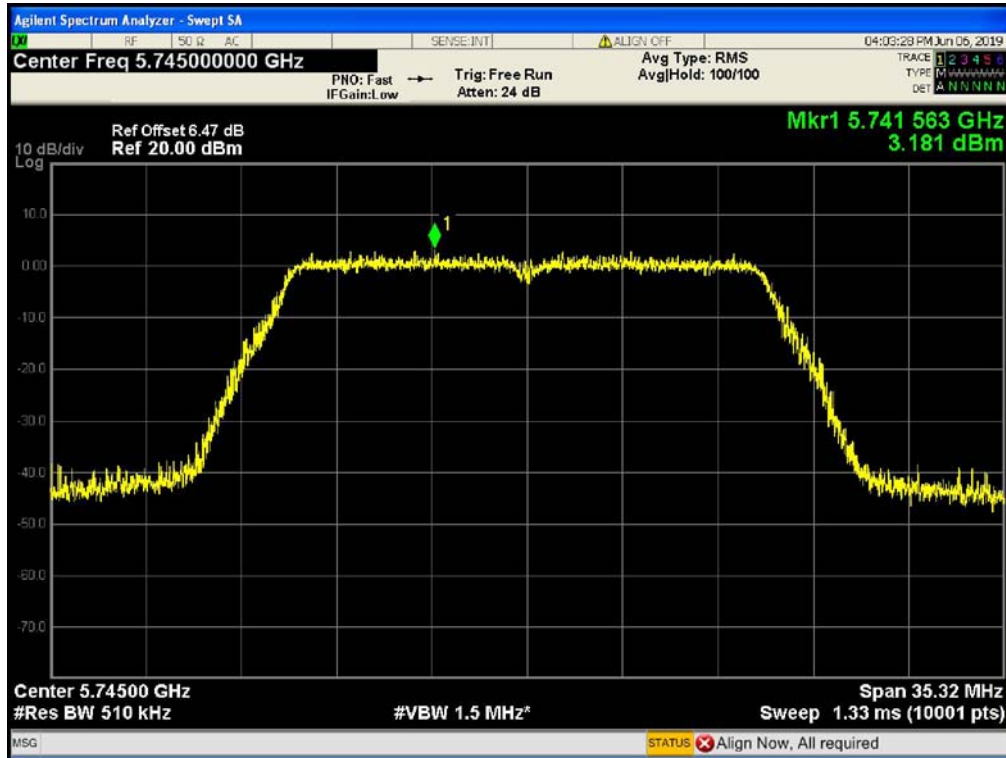


802.11 n(20) 5785 MHz

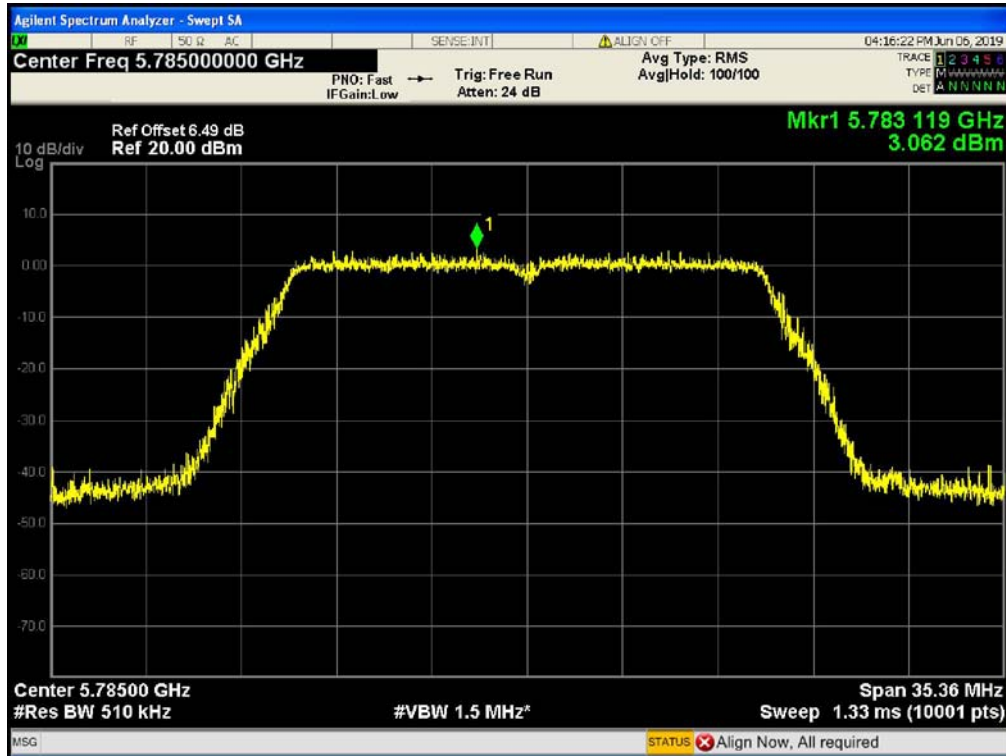


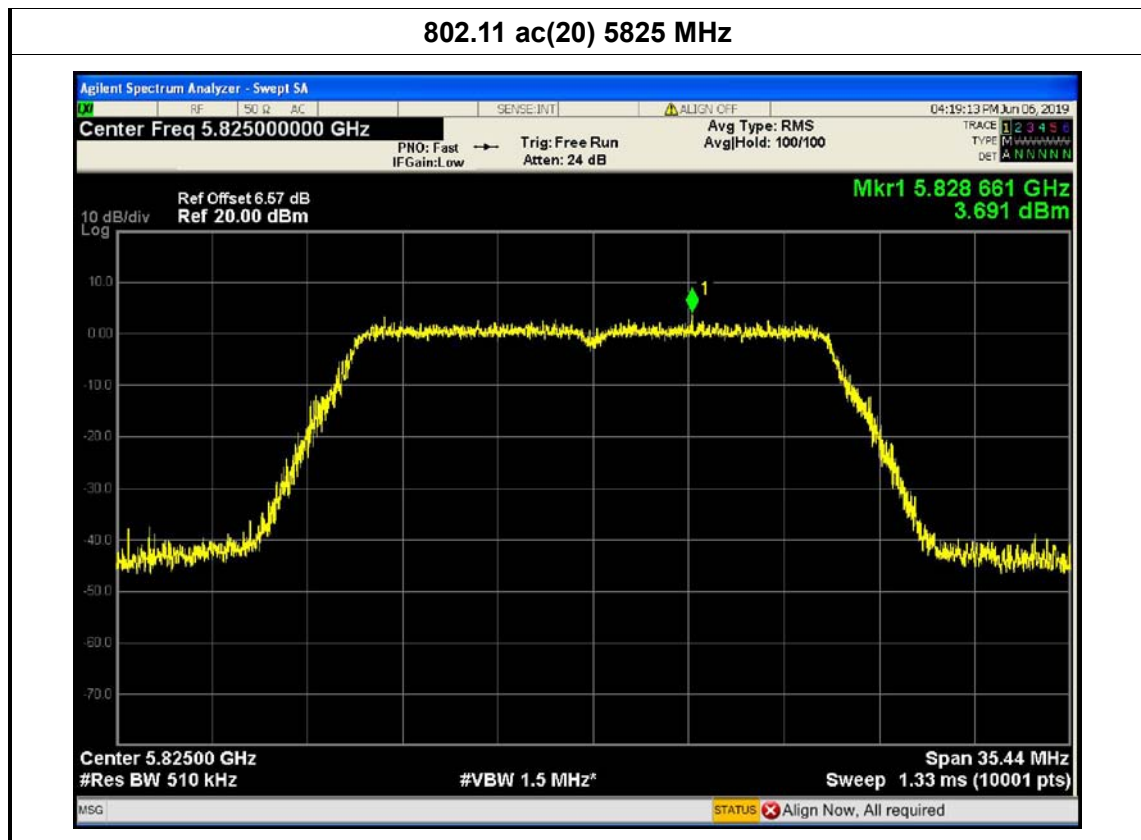


802.11 ac(20) 5745 MHz



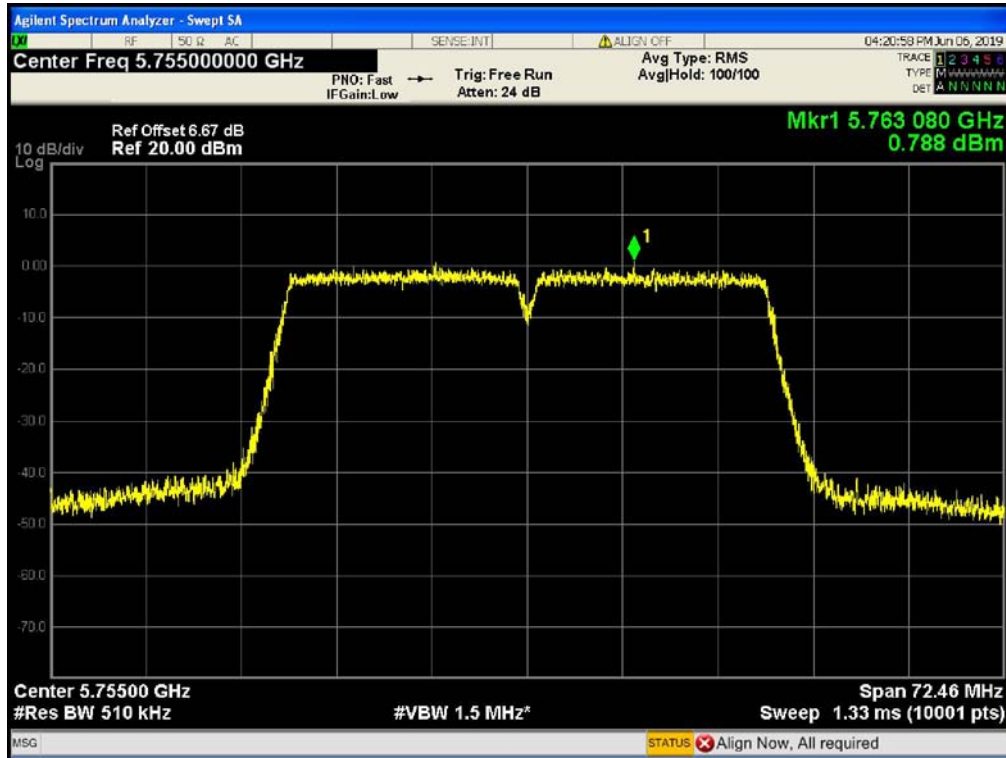
802.11 ac(20) 5785 MHz



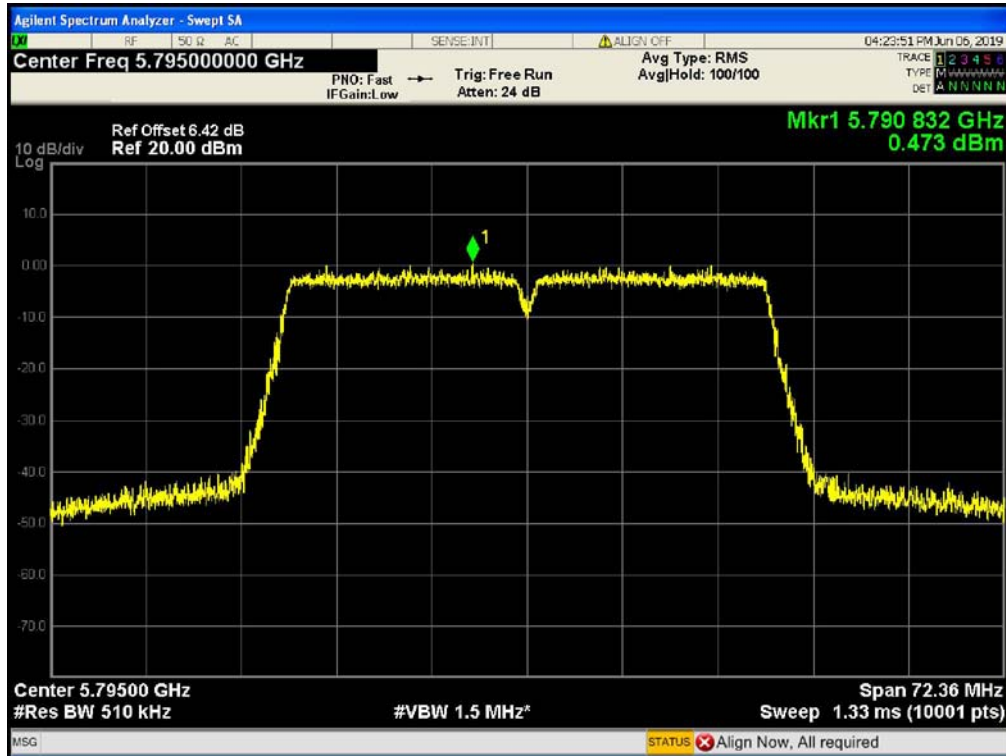




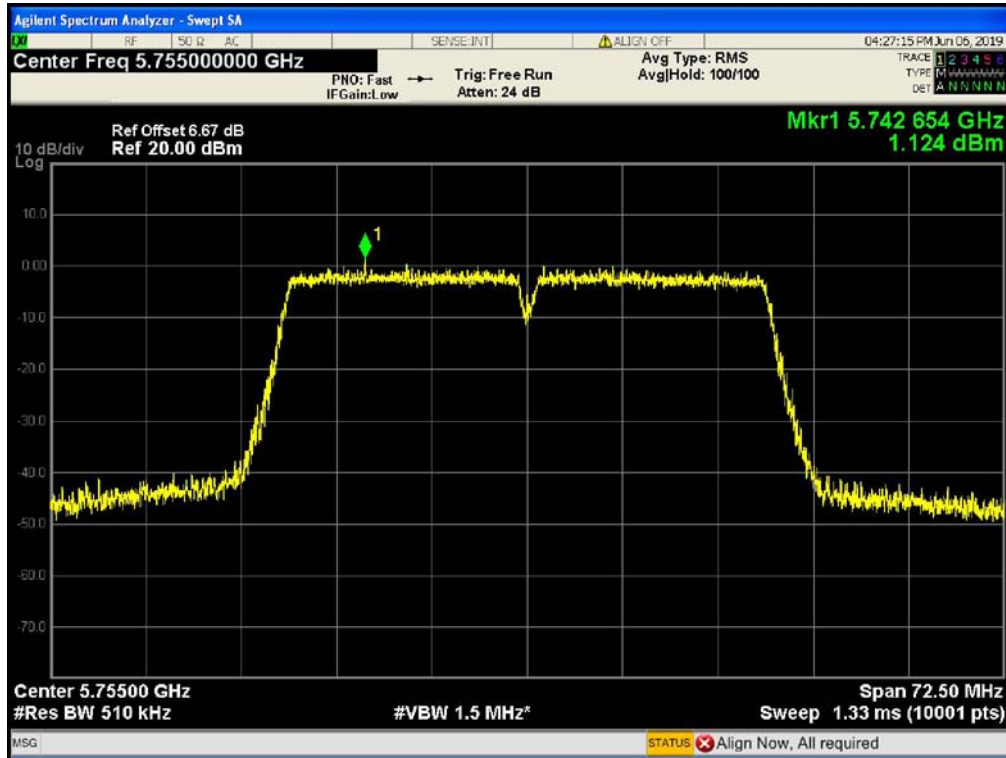
802.11 n(40) 5755 MHz



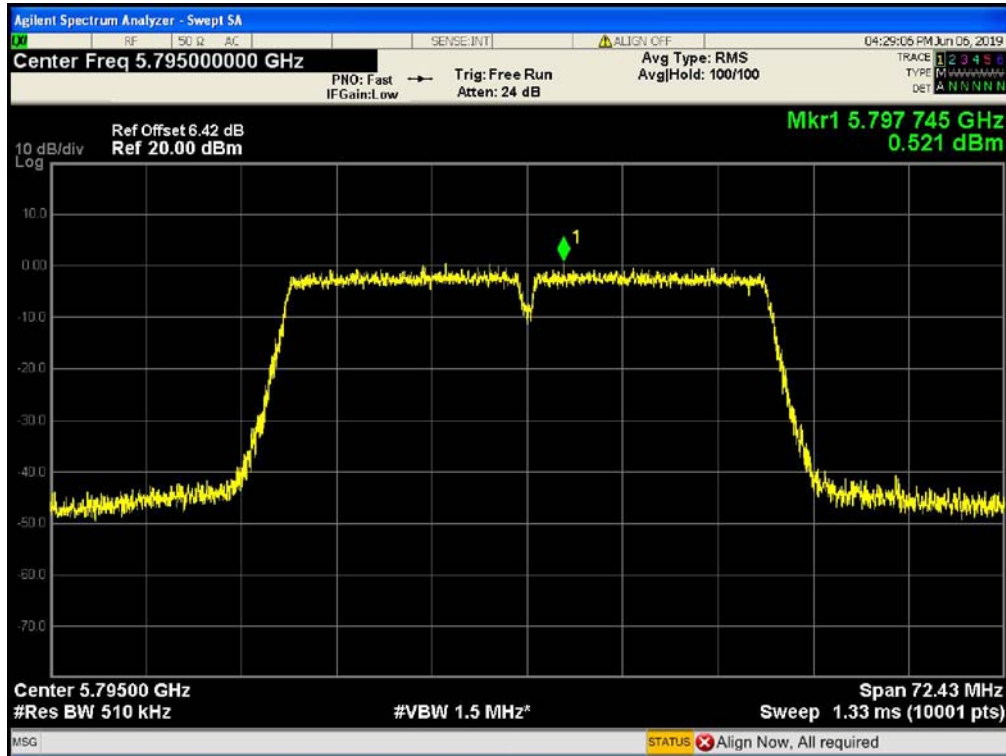
802.11 n(40) 5795 MHz

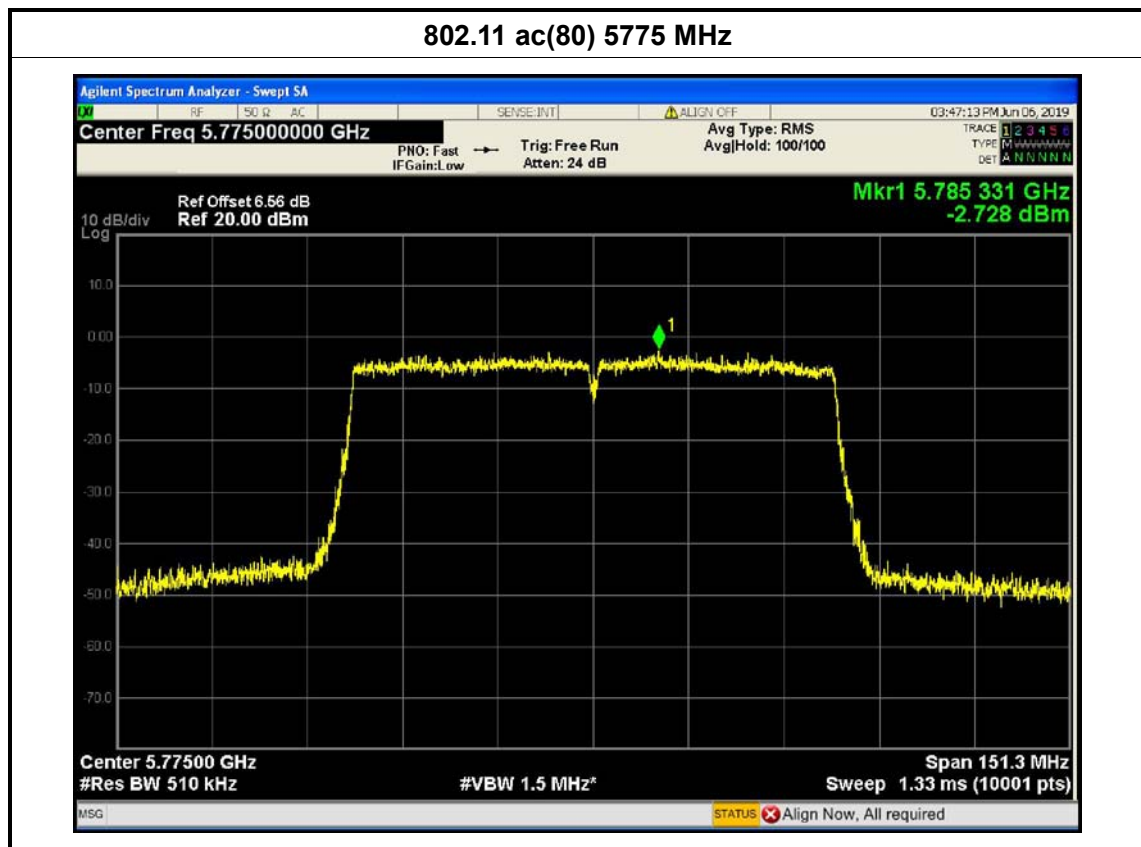


802.11 ac(40) 5755 MHz



802.11 ac(40) 5795 MHz





## Attachment G----Frequency Stability Measurement Data

801.11a U-NII-1: 5180 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
132	5179.973
120	5179.975
118	5179.987
Max. Deviation (MHz)	0.027
Max. Deviation (ppm)	5.21
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5179.965
10	5179.968
20	5179.971
30	5179.977
40	5179.982
50	5179.985
Max. Deviation (MHz)	0.035
Max. Deviation (ppm)	6.76
Limit (ppm)	25
Result	Pass

801.11a U-NII-3: 5745 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
132	5744.968
120	5744.972
118	5744.976
Max. Deviation (MHz)	0.032
Max. Deviation (ppm)	5.57
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5744.952
10	5744.940
20	5744.943
30	5744.957
40	5744.961
50	5744.973
Max. Deviation (MHz)	0.06
Max. Deviation (ppm)	10.44
Limit (ppm)	25
Result	Pass

-----END OF REPORT-----