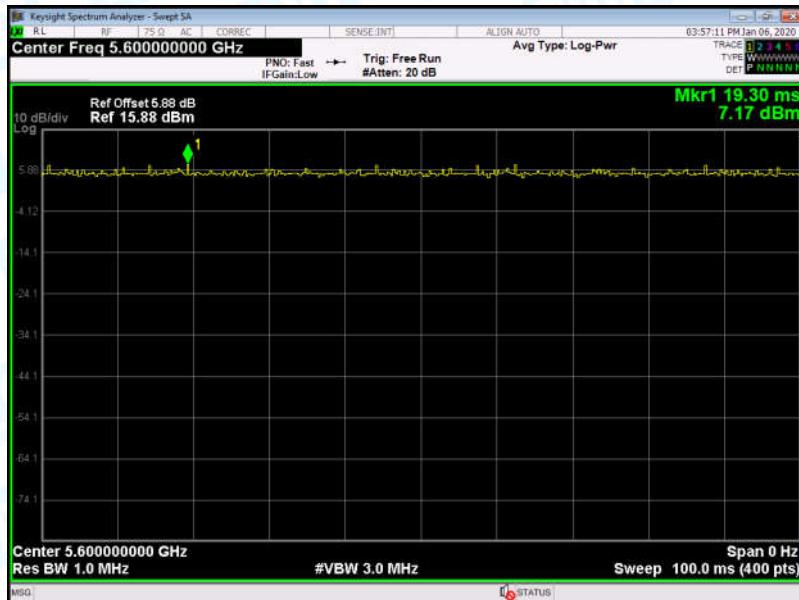
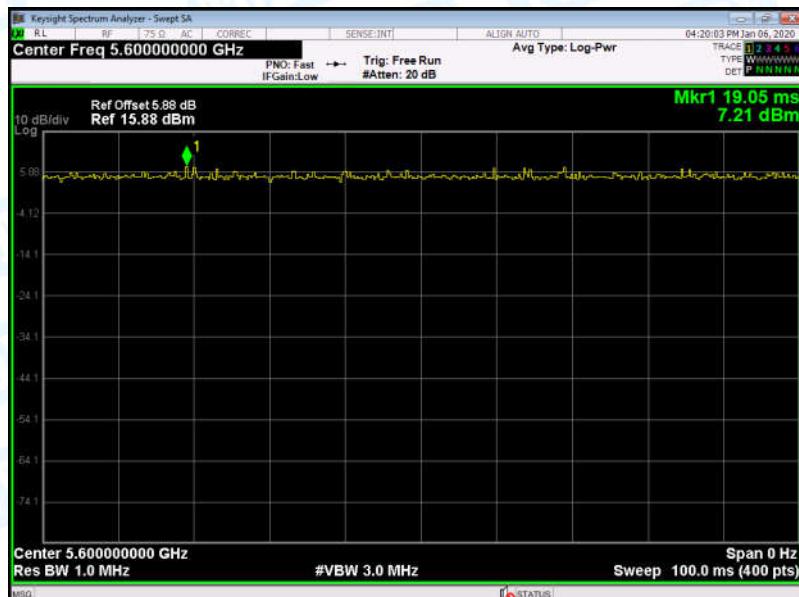
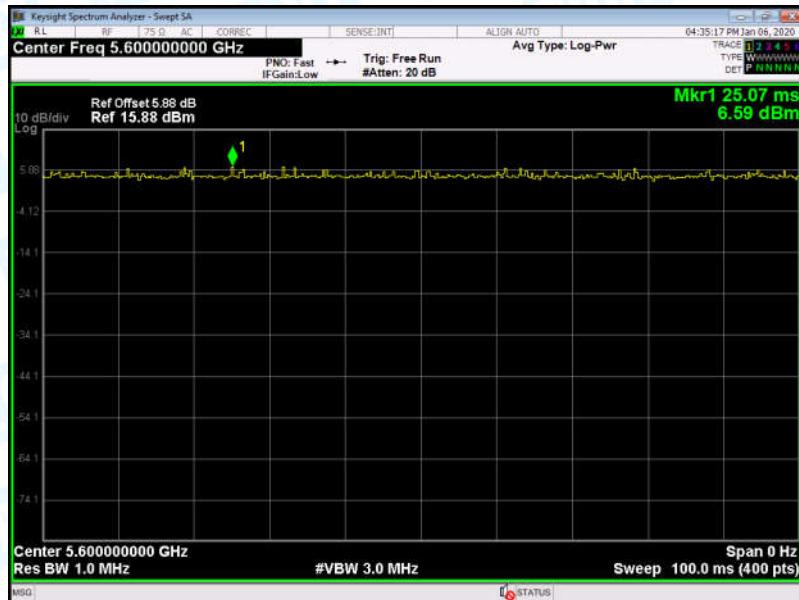
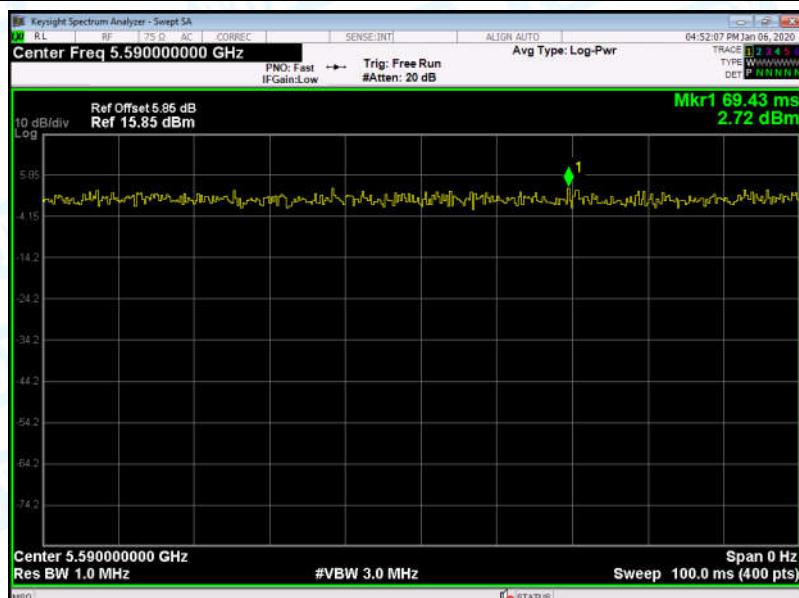


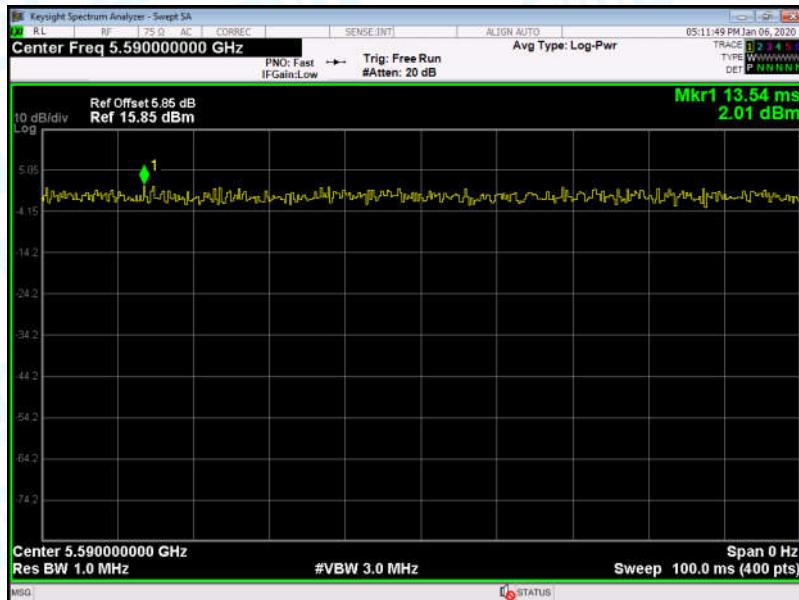
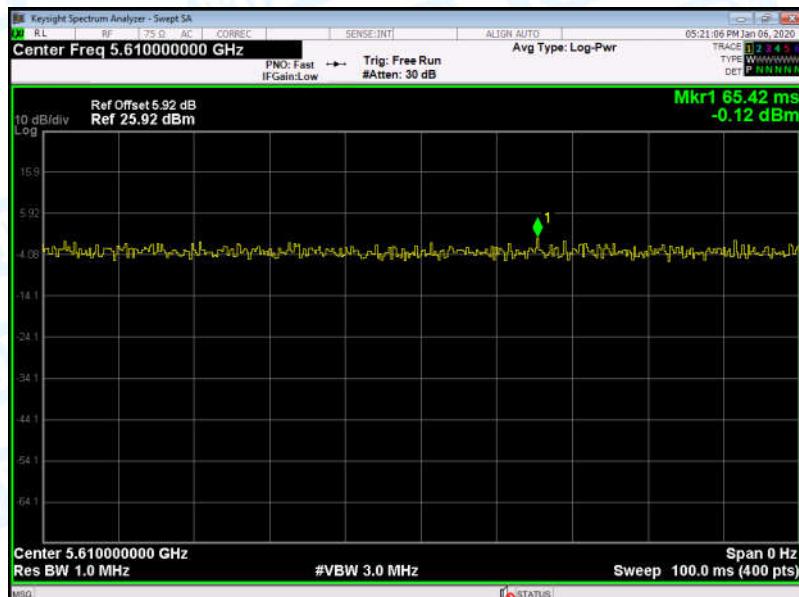
802.11 a 5600MHz U-NII-2C



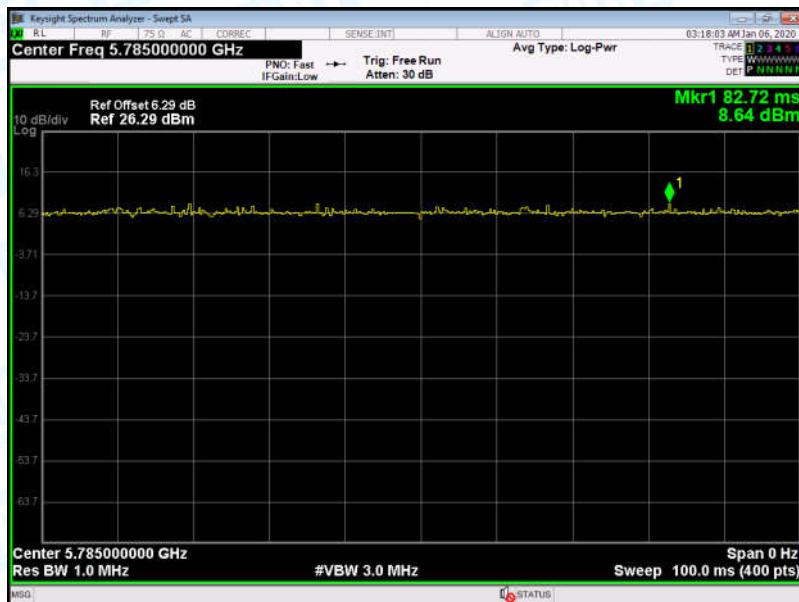
802.11 n(HT20) 5600MHz U-NII-2C



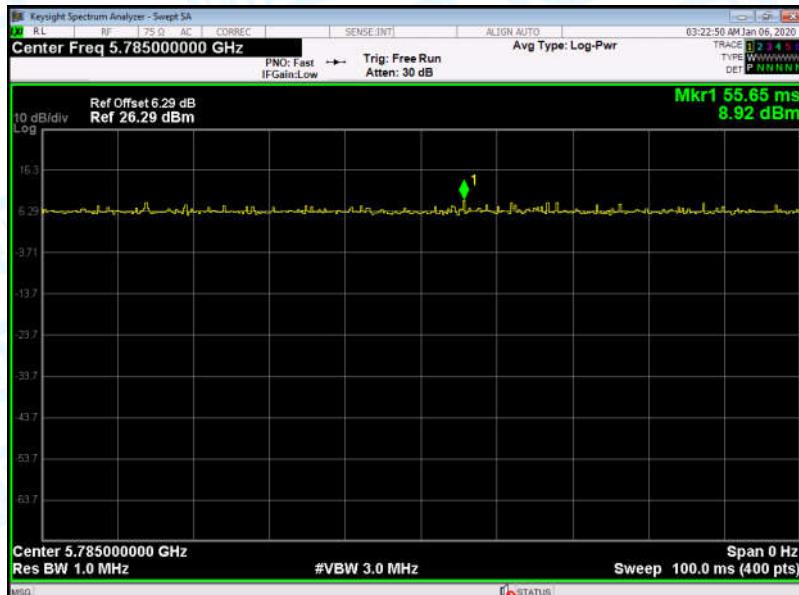
802.11 ac(HT20) 5600MHz U-NII-2C**802.11 n(HT40) 5590MHz U-NII-2C**

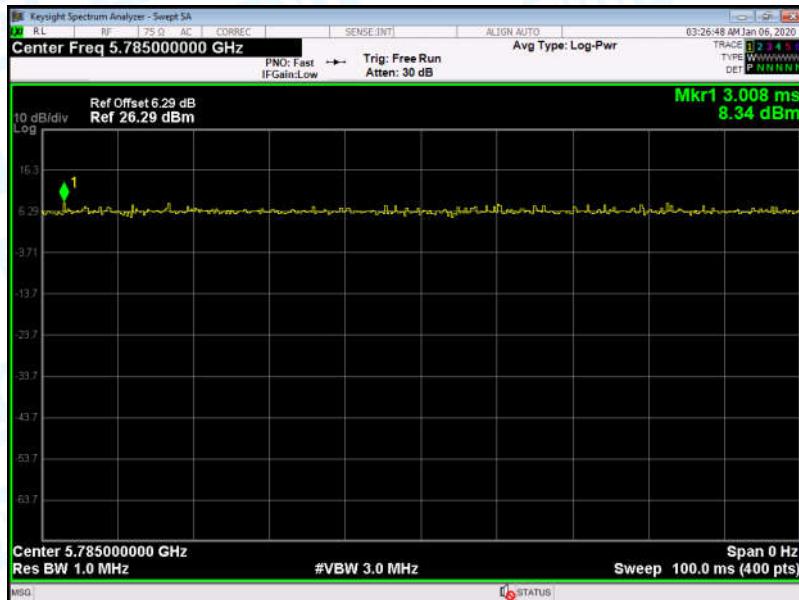
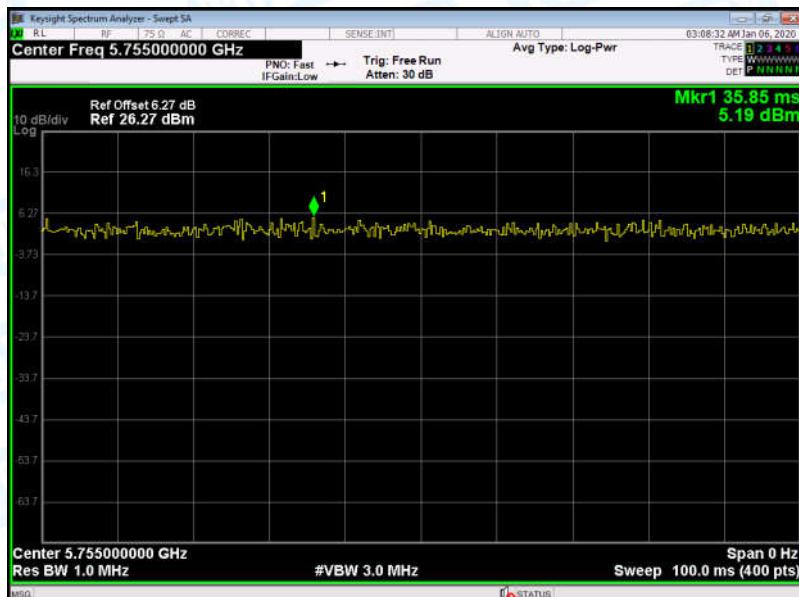
802.11 ac(HT40) 5590MHz U-NII-2C**802.11 ac(HT80) 5610MHz U-NII-2C**

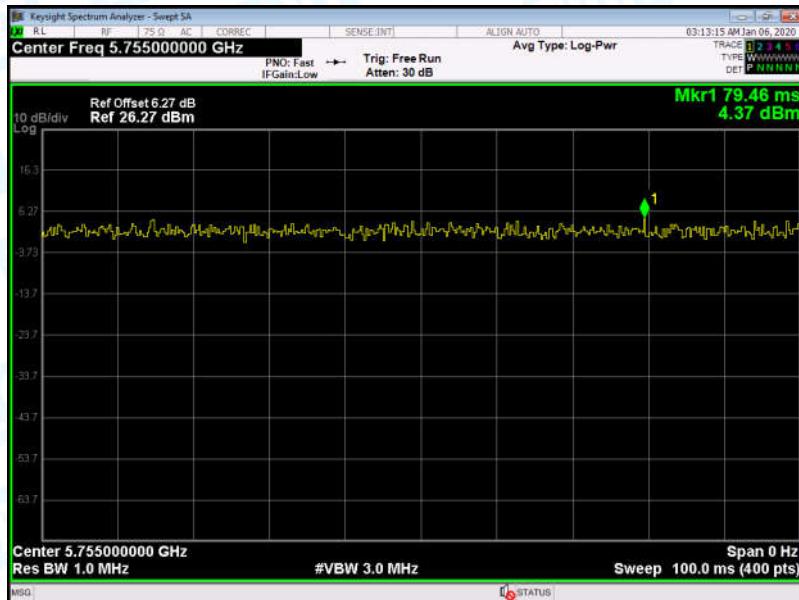
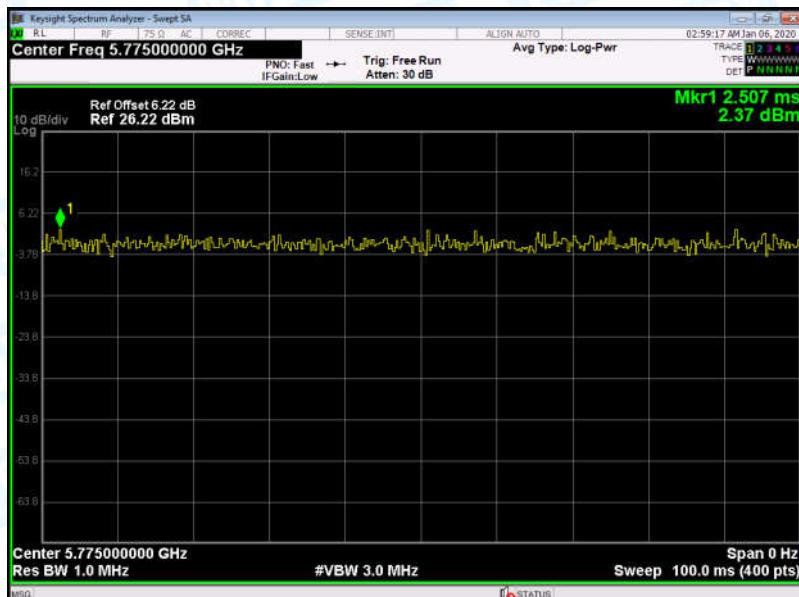
802.11 a 5785MHz U-NII-3



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

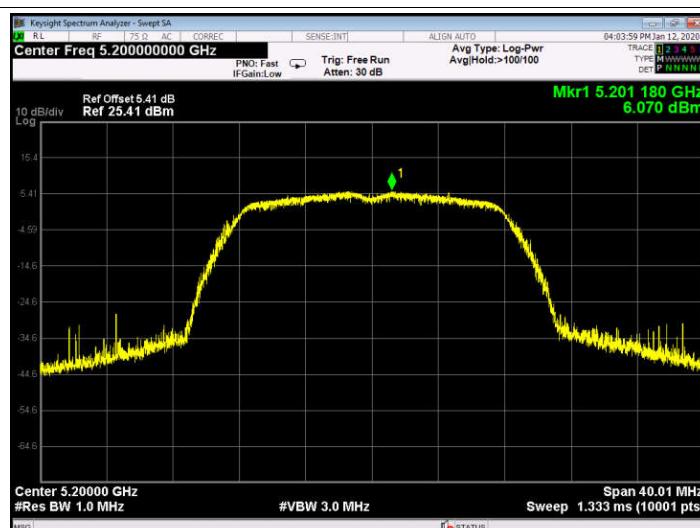
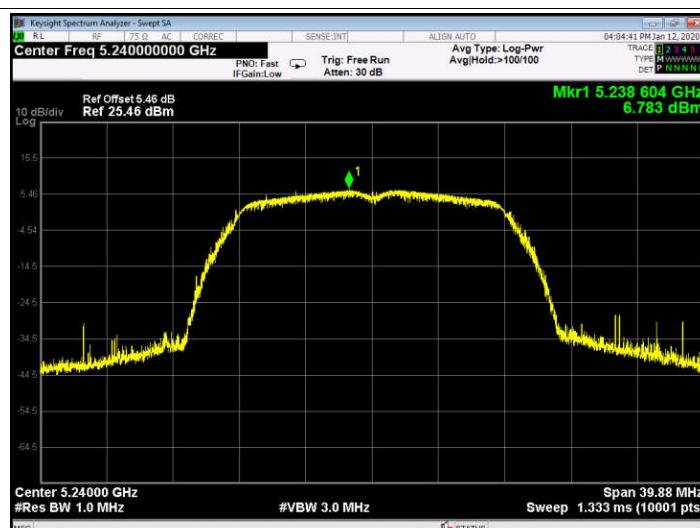


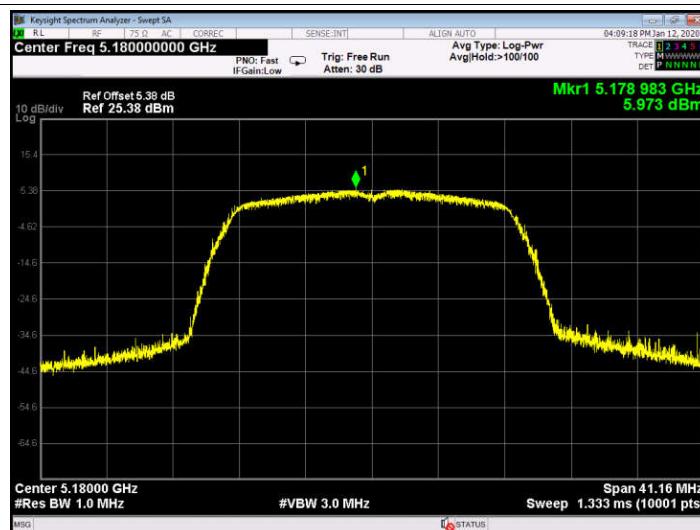
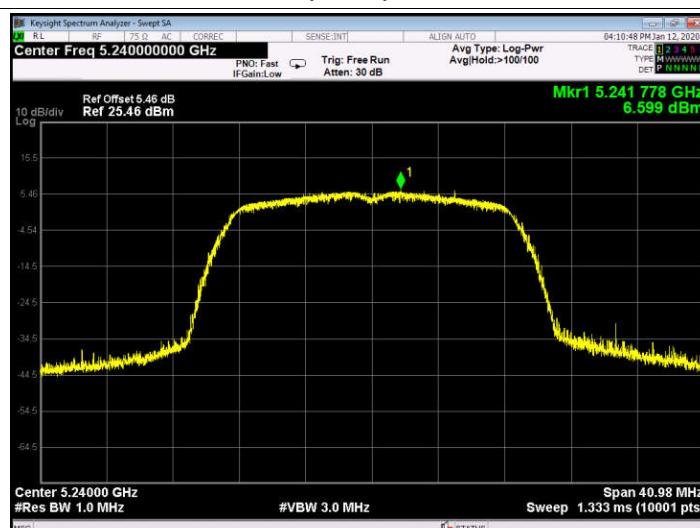
802.11 ac(VHT20) 5785MHz U-NII-3**802.11 n(HT40) 5755MHz U-NII-3**

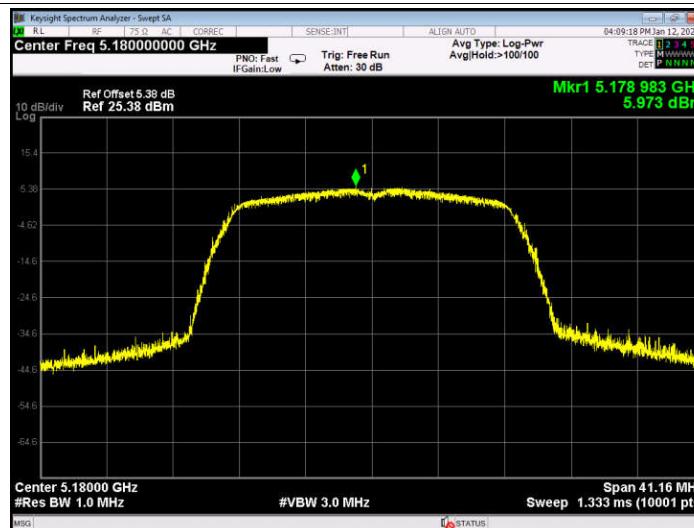
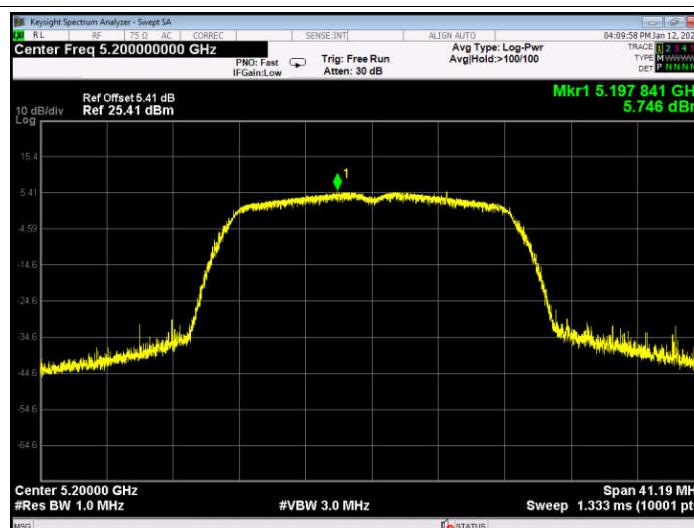
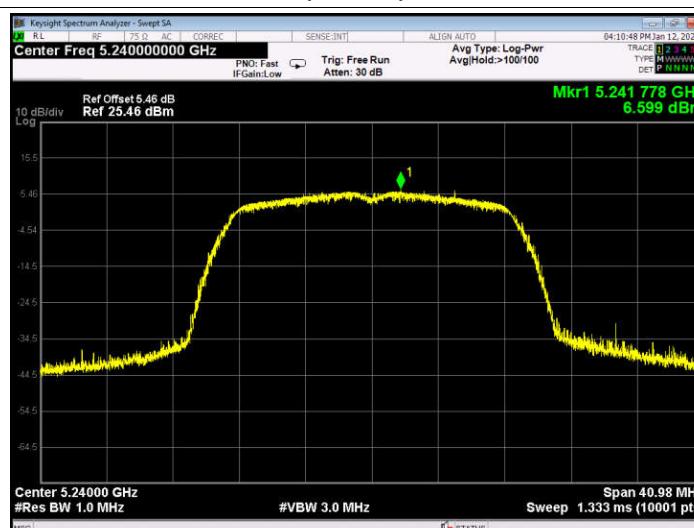
802.11 ac(VHT40) 5755MHz U-NII-3**802.11 ac(VHT80) 5775MHz U-NII-3**

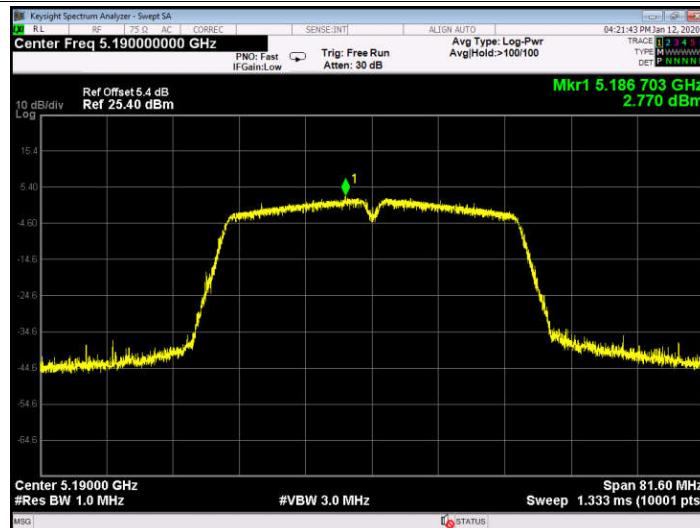
Attachment F-- Power Spectral Density Test Data

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
U-NII-1			
Test Mode	Frequency (MHz)	Test Data	Limit (dBm/MHz)
		Power Density (dBm/MHz)	
802.11a	5180	5.853	11
	5200	6.070	
	5240	6.783	
802.11n (HT20)	5180	5.973	
	5200	5.746	
	5240	6.599	
802.11ac (VHT20)	5180	5.973	
	5200	5.746	
	5240	6.599	
802.11n (HT40)	5190	2.770	
	5230	2.922	
802.11ac(VHT40)	5190	3.056	
	5230	3.255	
802.11ac(VHT80)	5210	0.865	
Result: PASS			
Remark: the Directional Gain=2.92dBi<6 dBi. So $P_{out} = P_{limit}$			
Test plots please refer to below pages:			

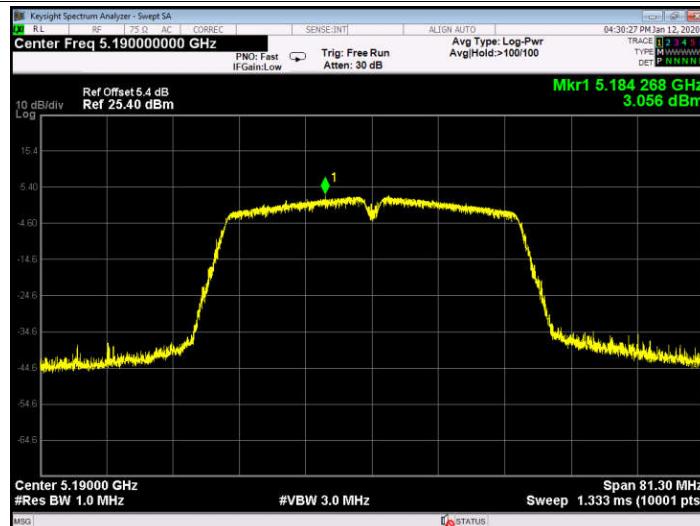
802.11 a 5180 MHz**802.11 a 5200 MHz****802.11 a 5240 MHz**

802.11 n(HT20) 5180 MHz**802.11 n(HT20) 5200 MHz****802.11 n(HT20) 5240 MHz**

802.11 ac(VHT20) 5180 MHz**802.11 ac(VHT20) 5200 MHz****802.11 ac(VHT20) 5240 MHz**

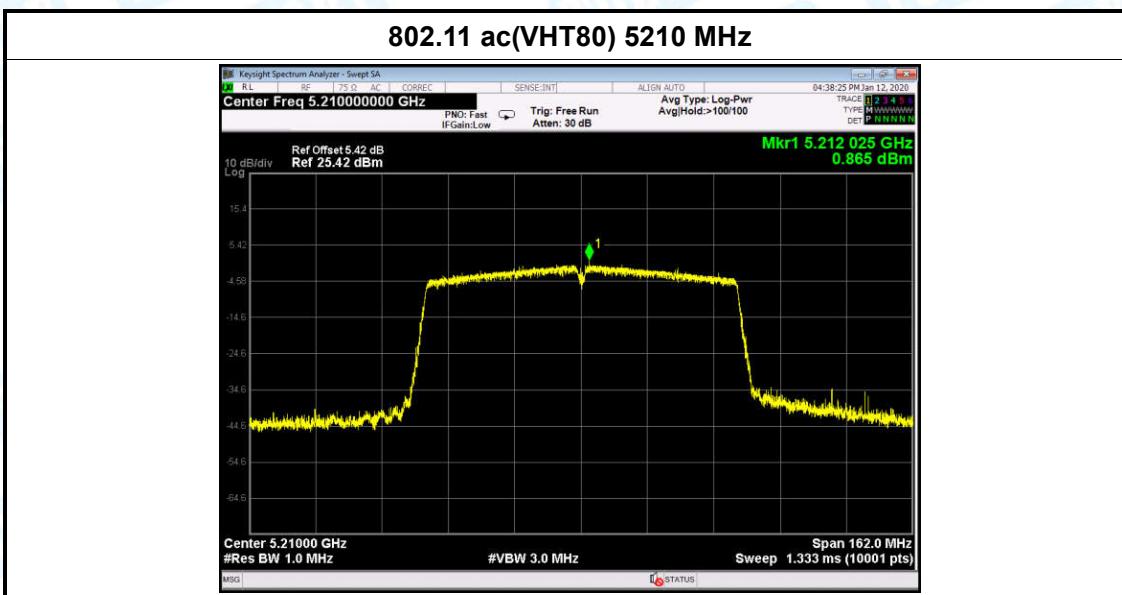
802.11 n(HT40) 5190 MHz**802.11 n(HT40) 5230 MHz**

802.11 ac(VHT40) 5190 MHz

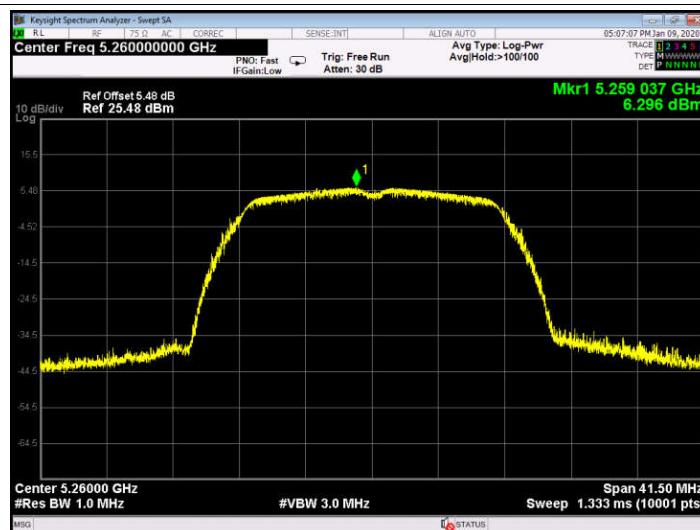
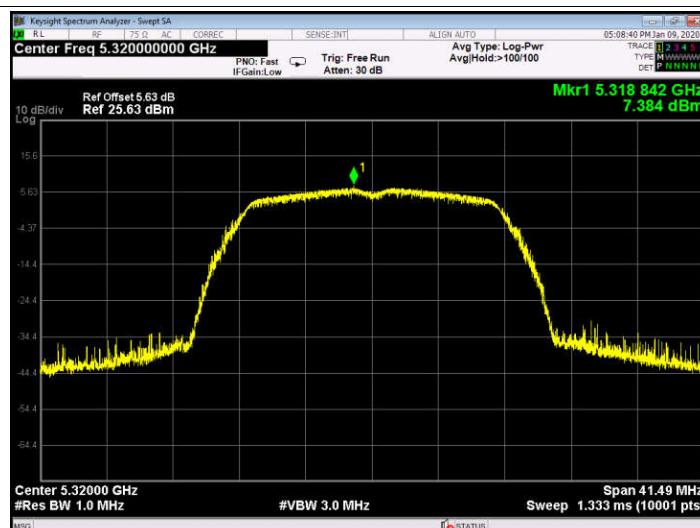


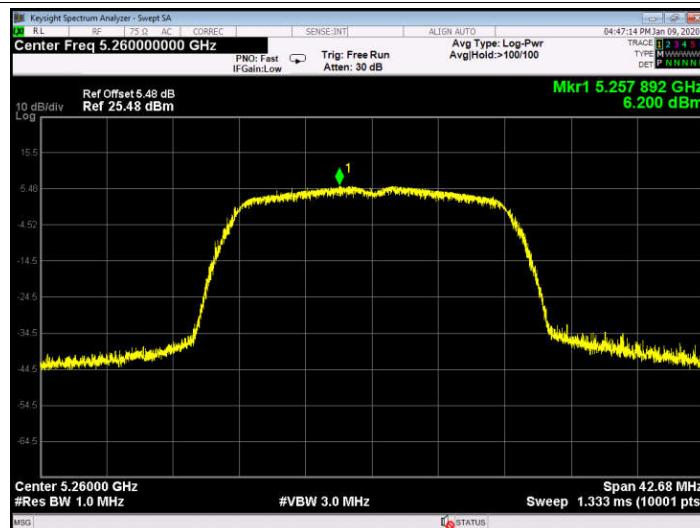
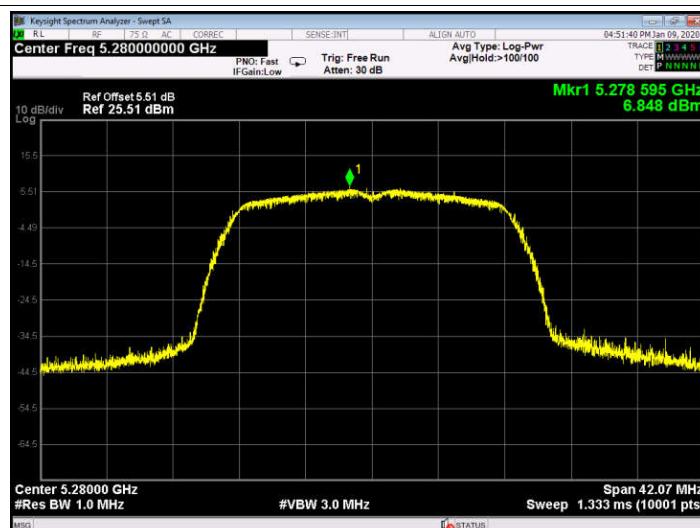
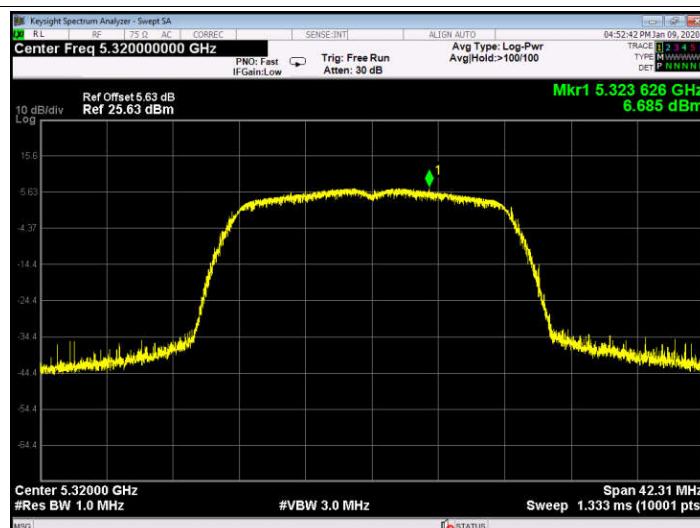
802.11 ac(VHT40) 5230 MHz

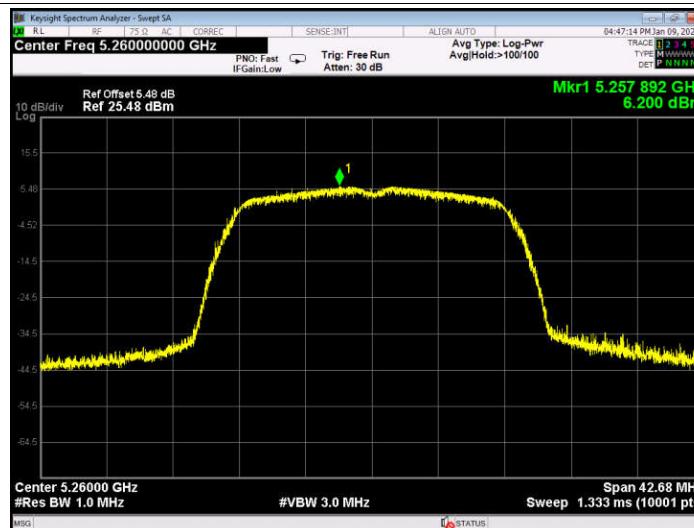
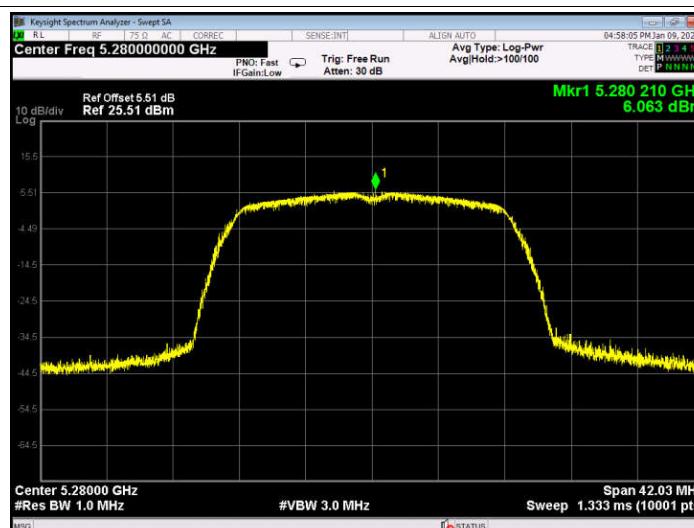
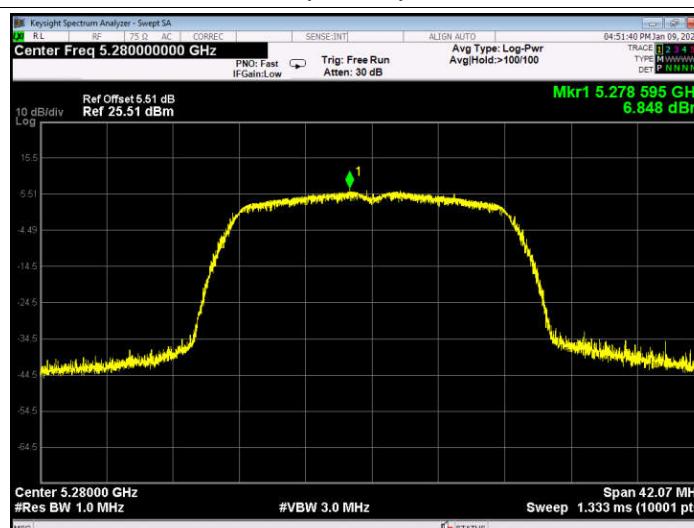




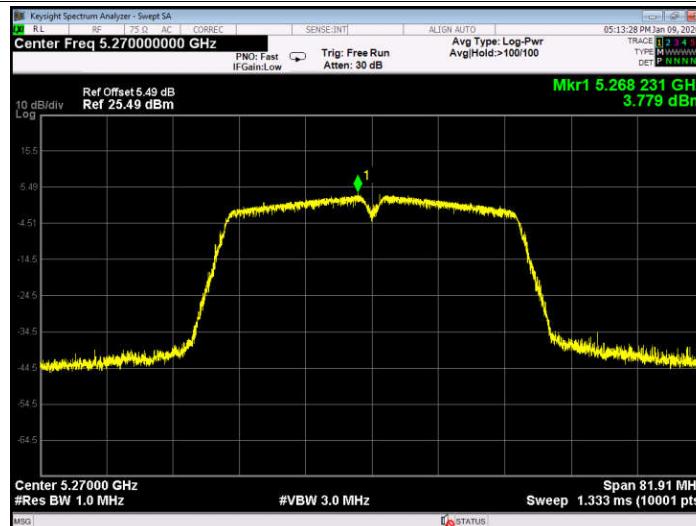
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
U-NII-2A			
Test Mode	Frequency (MHz)	Test Data	Limit (dBm/MHz)
		Power Density (dBm/MHz)	
802.11a	5260	6.296	11
	5280	6.680	
	5320	7.384	
802.11n (HT20)	5260	6.200	
	5280	6.848	
	5320	6.685	
802.11ac (VHT20)	5260	6.200	
	5280	6.063	
	5320	6.848	
802.11n (HT40)	5270	3.779	
	5310	3.554	
802.11ac(VHT40)	5270	3.904	
	5310	3.821	
802.11ac(VHT80)	5290	0.565	
Result: PASS			
Remark: the Directional Gain=2.92dBi<6 dBi. So $P_{out} = P_{limit}$			
Test plots please refer to below pages:			

802.11 a 5260 MHz**802.11 a 5280 MHz****802.11 a 5320 MHz**

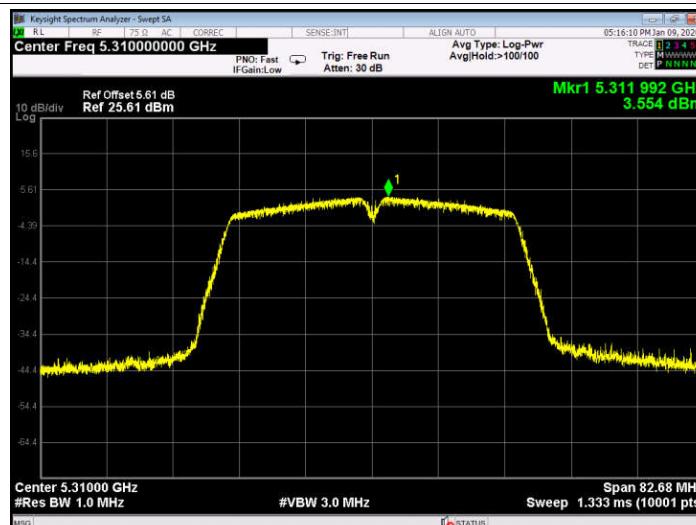
802.11 n(HT20) 5260 MHz**802.11 n(HT20) 5280 MHz****802.11 n(HT20) 5320 MHz**

802.11 ac(VHT20) 5260 MHz**802.11 ac(VHT20) 5280 MHz****802.11 ac(VHT20) 5320 MHz**

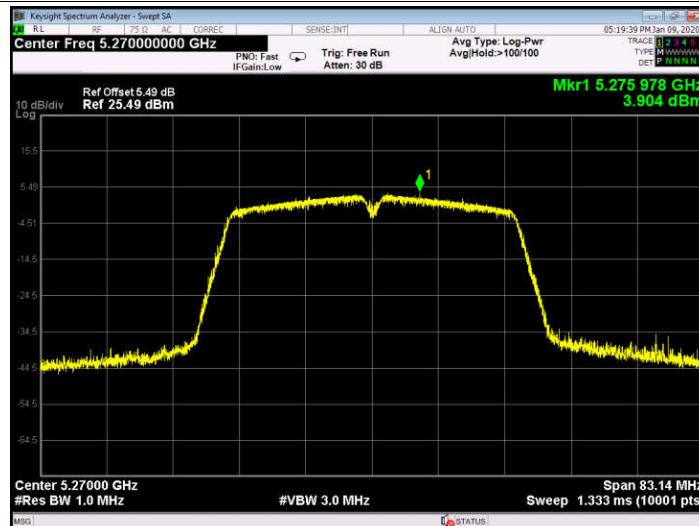
802.11 n(HT40) 5270 MHz



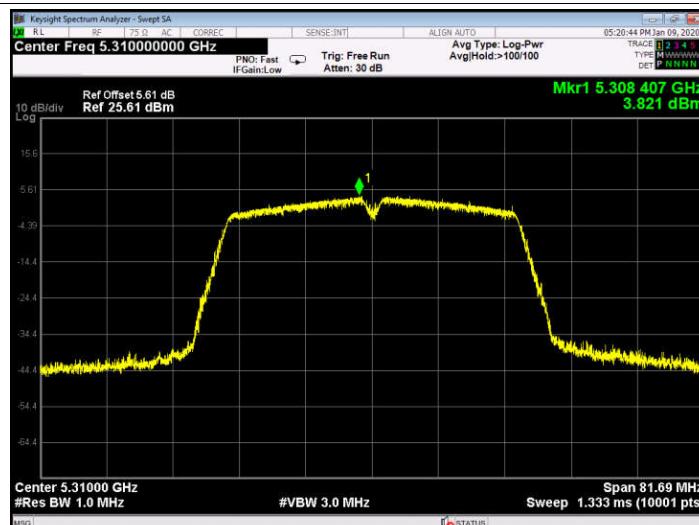
802.11 n(HT40) 5310 MHz

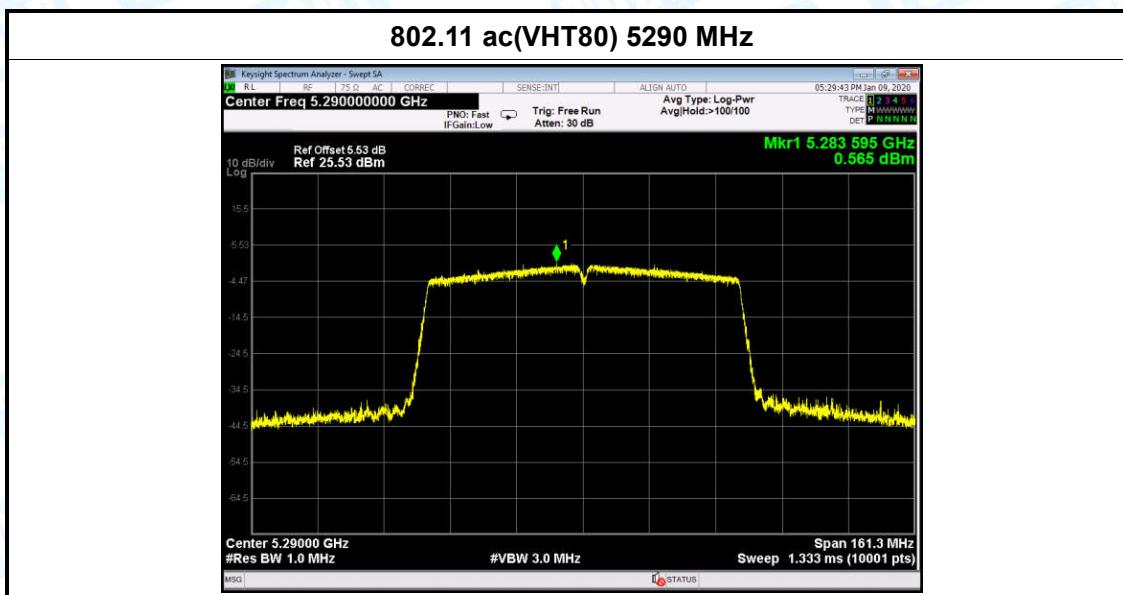


802.11 ac(VHT40) 5270 MHz

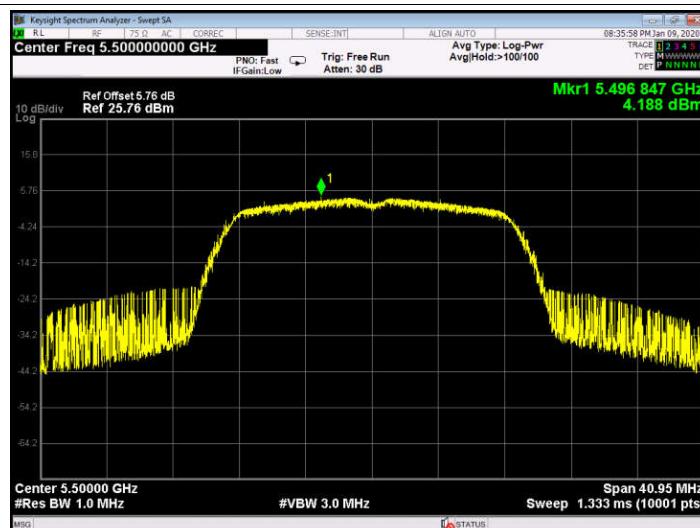
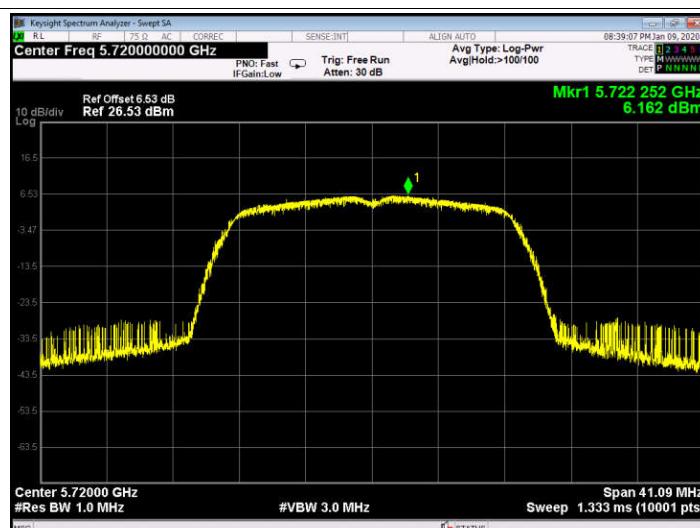


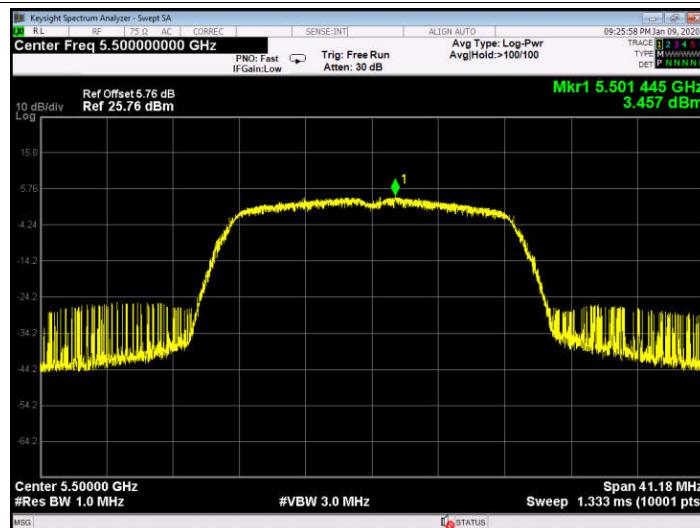
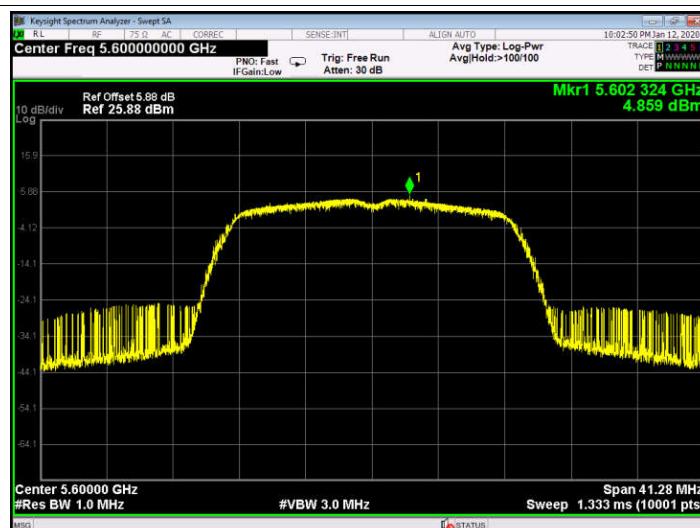
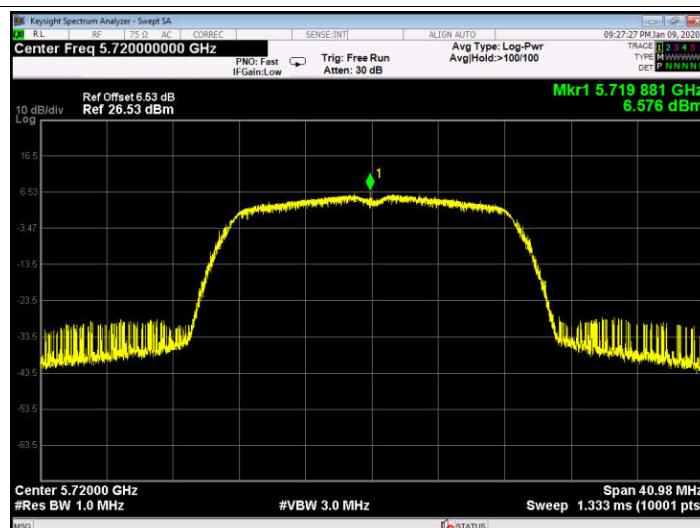
802.11 ac(VHT40) 5310 MHz

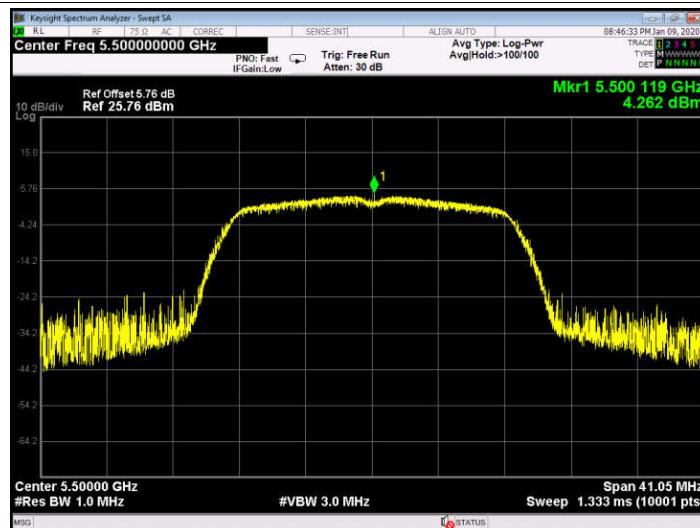
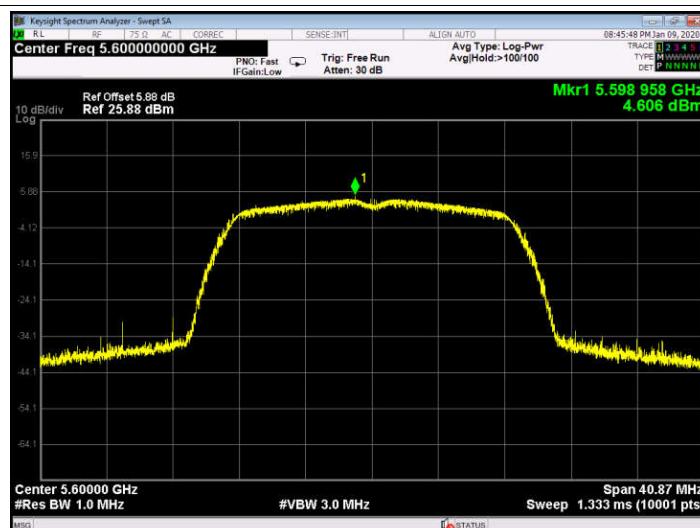
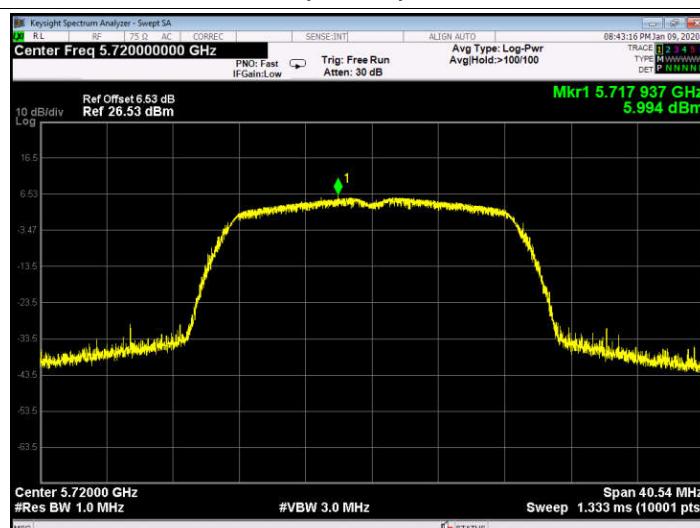


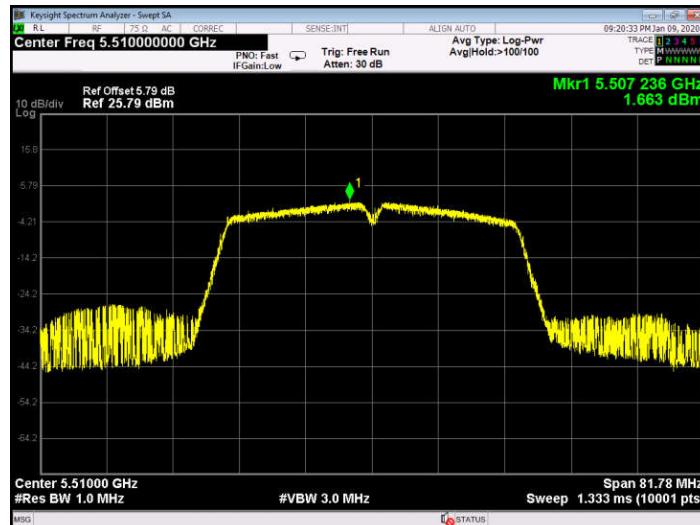
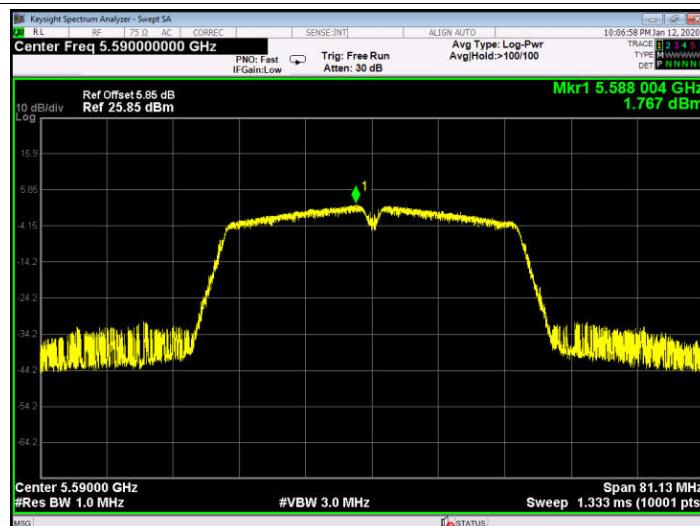


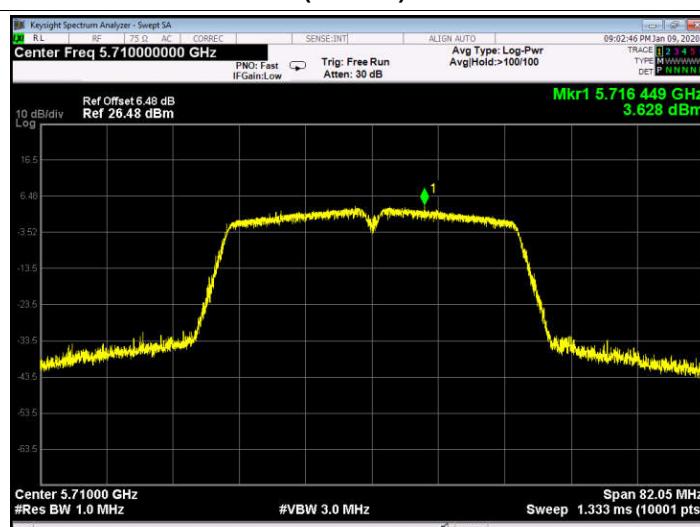
Temperature:	25 °C	Relative Humidity:	55%	
Test Voltage:	DC 3.8V			
U-NII-2C				
Test Mode	Frequency (MHz)	Test Data	Limit (dBm/MHz)	
		Power Density (dBm/MHz)		
802.11a	5500	4.188	11	
	5600	3.895		
	5720	6.162		
802.11n (HT20)	5500	3.457		
	5600	4.859		
	5720	6.576		
802.11ac (HT20)	5500	4.262		
	5600	4.606		
	5720	5.994		
802.11n (HT40)	5510	1.663		
	5590	1.767		
	5710	2.804		
802.11ac(40)	5510	0.831		
	5590	1.672		
	5710	3.628		
802.11ac(80)	5530	-1.669		
	5610	-1.229		
	5690	0.569		
Result: PASS				
Remark:				
the Directional Gain=2.92dBi<6 dBi.				
So $P_{out} = P_{limit}$				
Test plots please refer to below pages:				

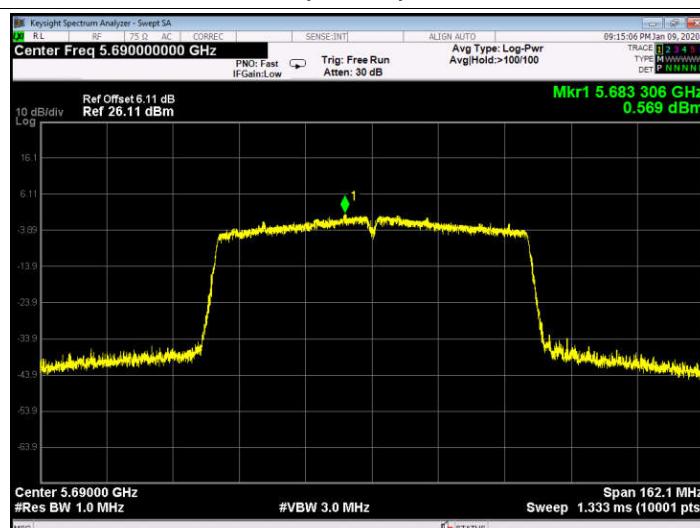
802.11 a 5500 MHz**802.11 a 5600 MHz****802.11 a 5720 MHz**

802.11 n(HT20) 5500 MHz**802.11 n(HT20) 5600 MHz****802.11 n(HT20) 5720 MHz**

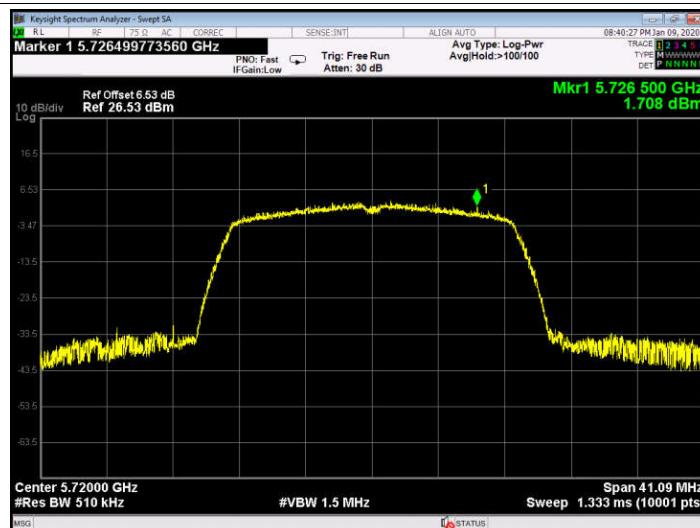
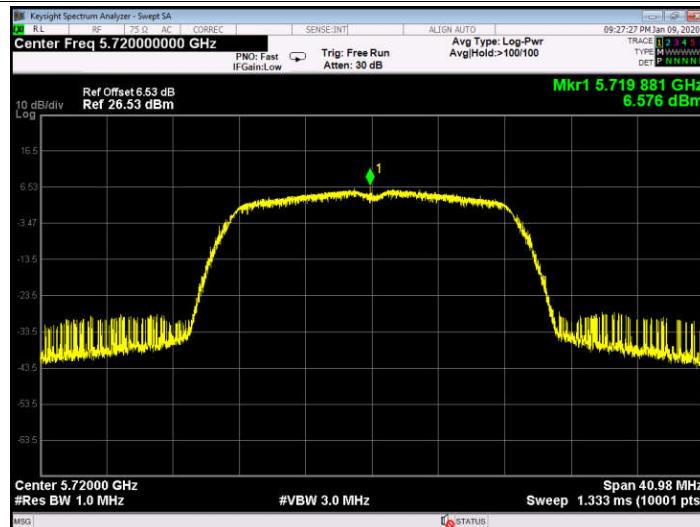
802.11 ac(VHT20) 5500 MHz**802.11 ac(VHT20) 5600 MHz****802.11 ac(VHT20) 5720 MHz**

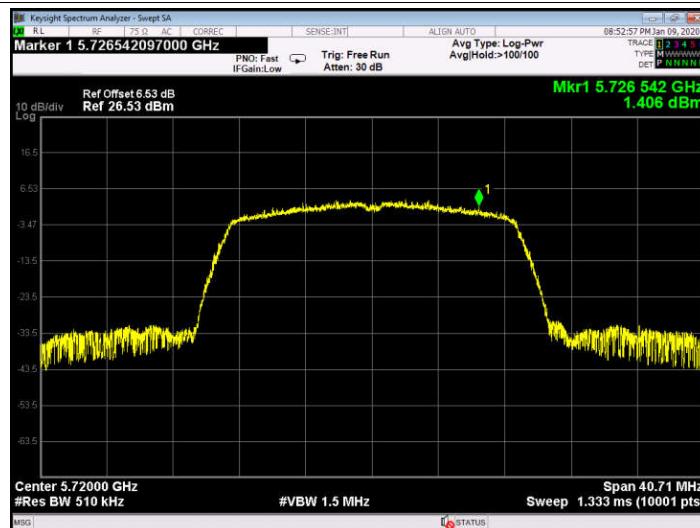
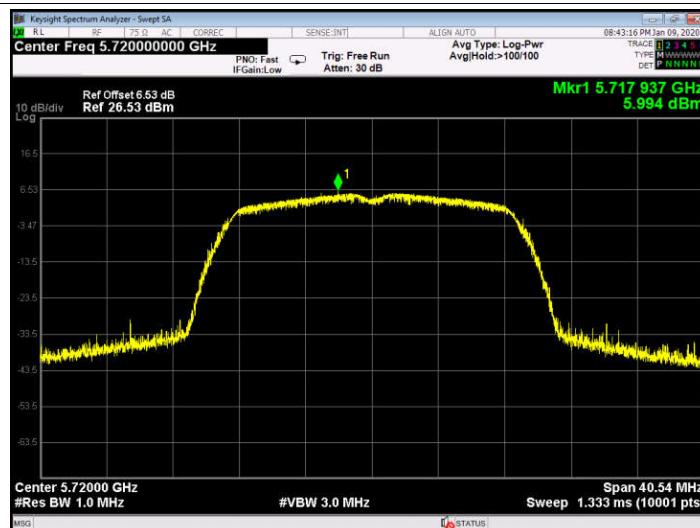
802.11 n(HT40) 5510 MHz**802.11 n(HT40) 5590 MHz****802.11 n(HT40) 5710 MHz**

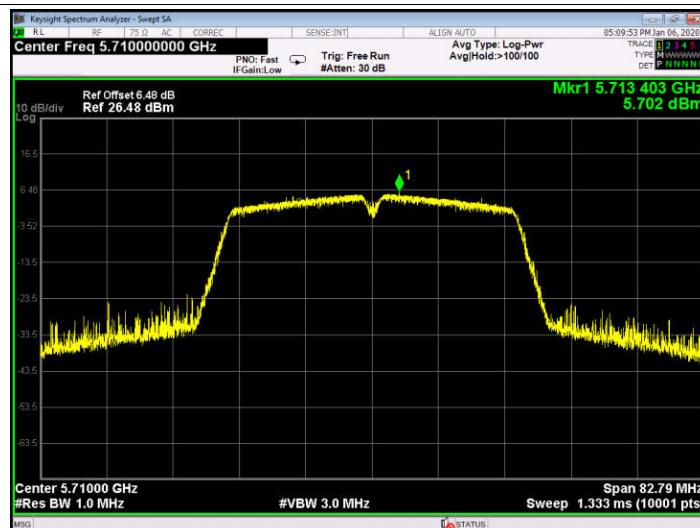
802.11 ac(VHT40) 5510 MHz**802.11 ac(VHT40) 5590 MHz****802.11 ac(VHT40) 5710 MHz**

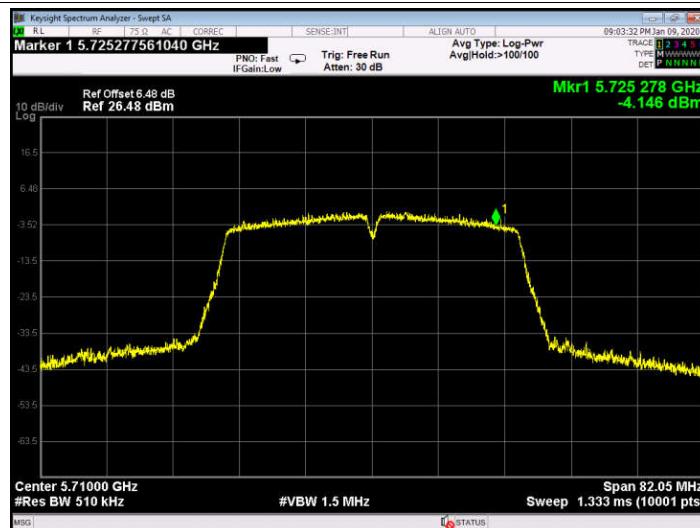
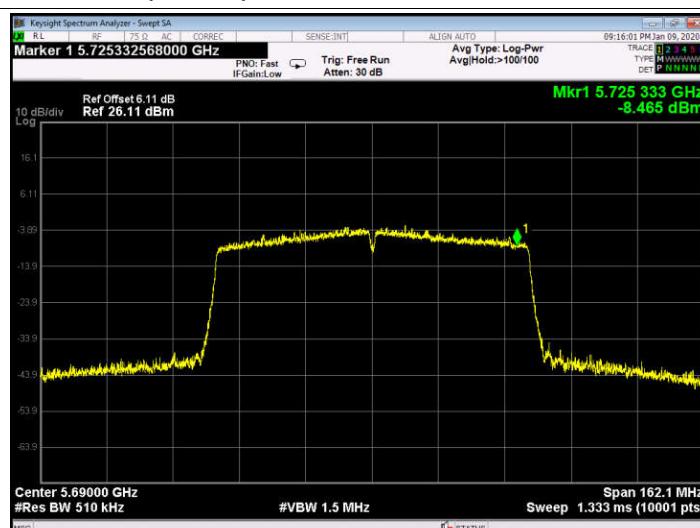
802.11 ac(VHT80) 5530 MHz**802.11 ac(VHT80) 5610 MHz****802.11 ac(VHT80) 5690 MHz**

Temperature:	25 °C	Relative Humidity:	55%			
Test Voltage:	DC 3.8V					
U-NII-2C						
Test Mode	Frequency (MHz)	Power Density		Limit		
		(dBm/MHz)	(dBm/500KHz)	(dBm/MHz)	(dBm/500KHz)	
802.11a 5720MHz Straddle 5.47-5.725GHz	4.188	-----	-----	11	-----	
802.11a 5720MHz Straddle 5.725-5.85GHz		-----	1.708	-----	30	
802.11n(HT20) 5720MHz Straddle 5.47-5.725GHz	6.576	-----	-----	11	-----	
802.11n(HT20) 5720MHz Straddle 5.725-5.85GHz		-----	1.406	-----	30	
802.11ac(VHT20) 5720MHz Straddle 5.47-5.725GHz	5.994	-----	-----	11	-----	
802.11ac(VHT20) 5720MHz Straddle 5.725-5.85GHz		-----	0.933	-----	30	
802.11n(HT40) 5710MHz Straddle 5.47-5.725GHz	2.804	-----	-----	11	-----	
802.11n(HT40) 5710MHz Straddle 5.725-5.85GHz	-----	-----	-4.575	-----	30	
802.11ac(VHT40) 5710MHz Straddle 5.47-5.725GHz	5.702	-----	-----	11	-----	
802.11ac(VHT40) 5710MHz Straddle 5.725-5.85GHz		-----	-4.146	-----	30	
802.11ac(VHT80) 5690MHz Straddle 5.47-5.725GHz	0.569	-----	-----	11	-----	
802.11ac(VHT80) 5690MHz Straddle 5.725-5.85GHz		-----	-8.465	-----	30	
Result: PASS						
Remark: the Directional Gain=2.92dBi<6 dBi. So $P_{out} = P_{limit}$						
Test plots please refer to below pages:						

802.11a 5720MHz Straddle 5.47-5.725GHz**802.11a 5720MHz Straddle 5.725-5.85GHz****802.11n(HT20) 5720MHz Straddle 5.47-5.725GHz**

802.11n(HT20) 5720MHz Straddle 5.725-5.85GHz**802.11ac(VHT20) 5720MHz Straddle 5.47-5.725GHz****802.11ac(VHT20) 5720MHz Straddle 5.725-5.85GHz**

802.11n(HT40) 5710MHz Straddle 5.47-5.725GHz**802.11n(HT40) 5710MHz Straddle 5.725-5.85GHz****802.11ac(VHT40) 5710MHz Straddle 5.47-5.725GHz**

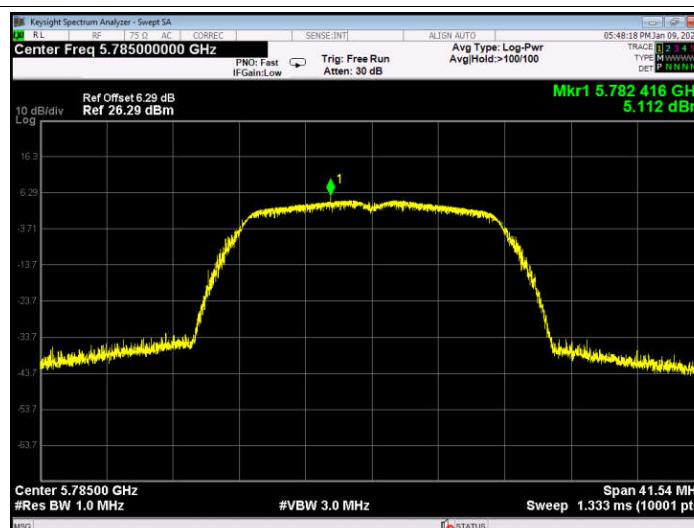
802.11ac(VHT40) 5710MHz Straddle 5.725-5.85GHz**802.11ac(VHT80) 5690MHz Straddle 5.47-5.725GHz****802.11ac(VHT80) 5690MHz Straddle 5.725-5.85GHz**

Temperature:	25 °C	Relative Humidity:	55%	
Test Voltage:	DC 3.8V			
U-NII-3				
Test Mode	Frequency (MHz)	Test Data	Limit (dBm/500KHz)	
		Power Density (dBm/500KHz)		
802.11a	5745	5.596	30	
	5785	5.112		
	5825	3.490		
802.11n (HT20)	5745	4.919		
	5785	4.230		
	5825	3.287		
802.11ac (VHT20)	5745	5.528		
	5785	3.968		
	5825	2.580		
802.11n (HT40)	5755	2.380		
	5795	2.164		
802.11ac(VHT40)	5755	1.961		
	5795	1.762		
802.11ac(VHT80)	5775	-4.880		
Result: PASS				
Remark: the Directional Gain=2.92dBi<6 dBi. So $P_{out} = P_{limit}$				
Test plots please refer to below pages:				

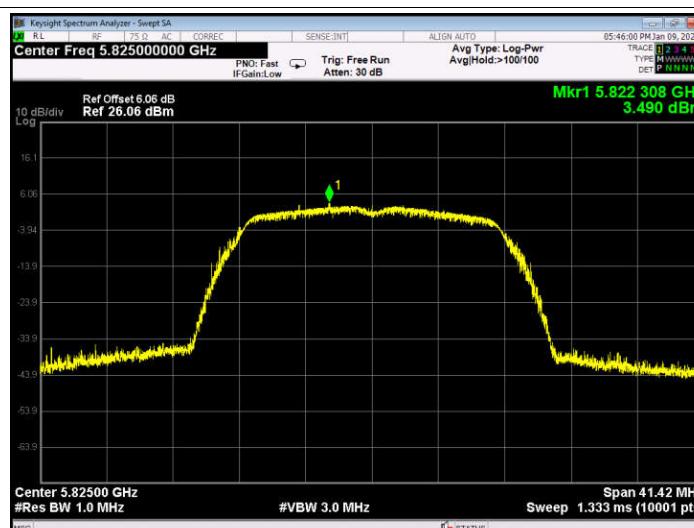
802.11 a 5745 MHz



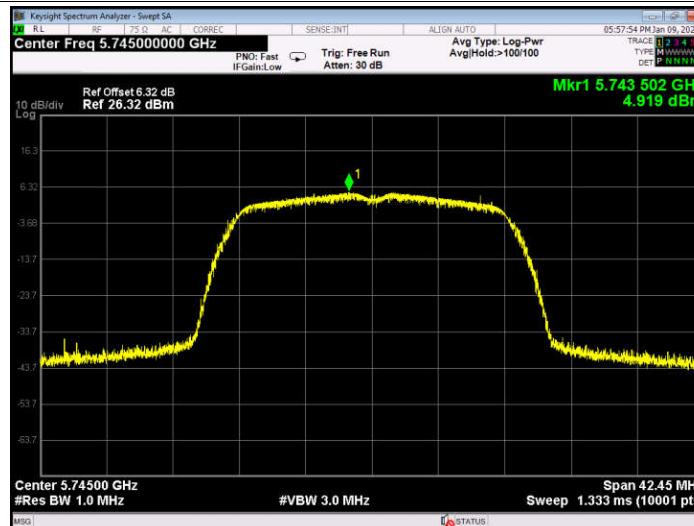
802.11 a 5785 MHz



802.11 a 5825 MHz



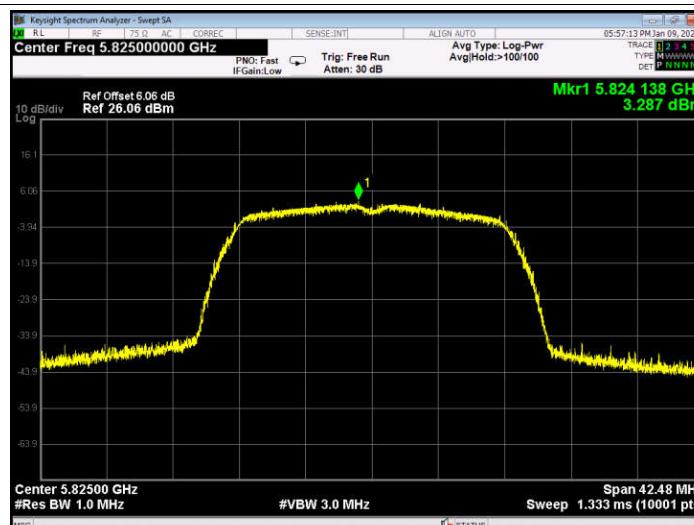
802.11 n(HT20) 5745 MHz

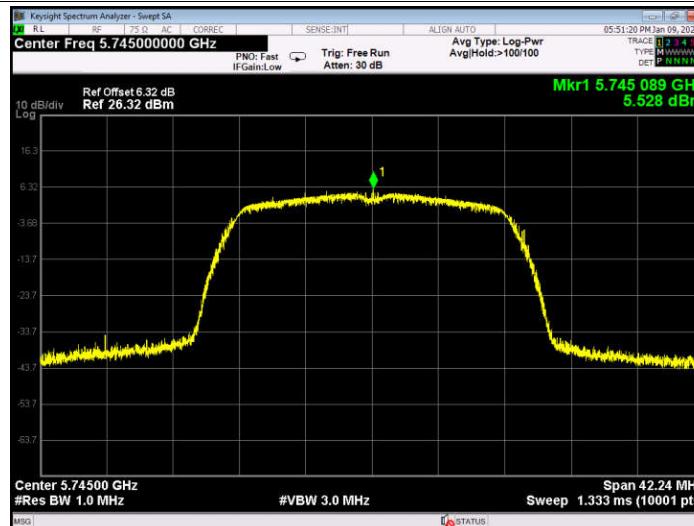
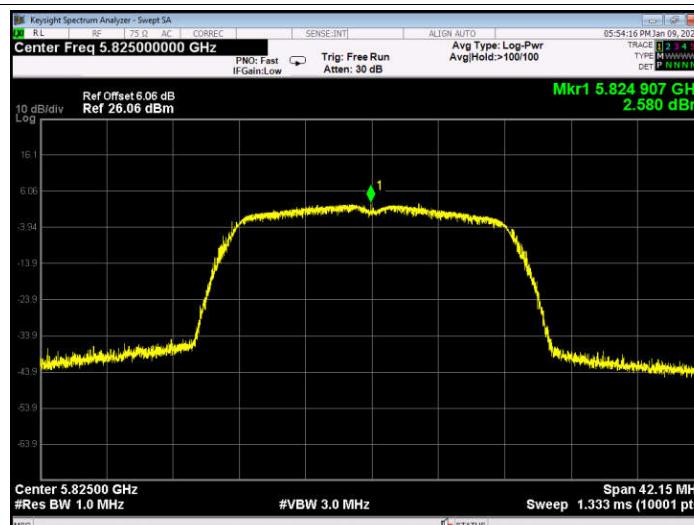


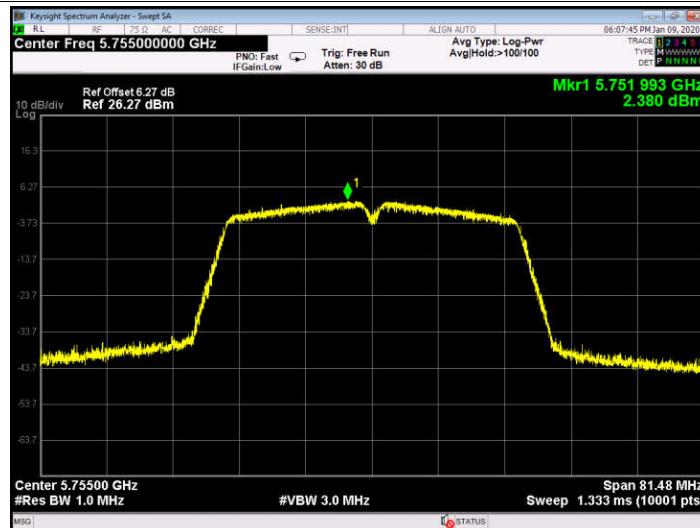
802.11 n(HT20) 5785 MHz

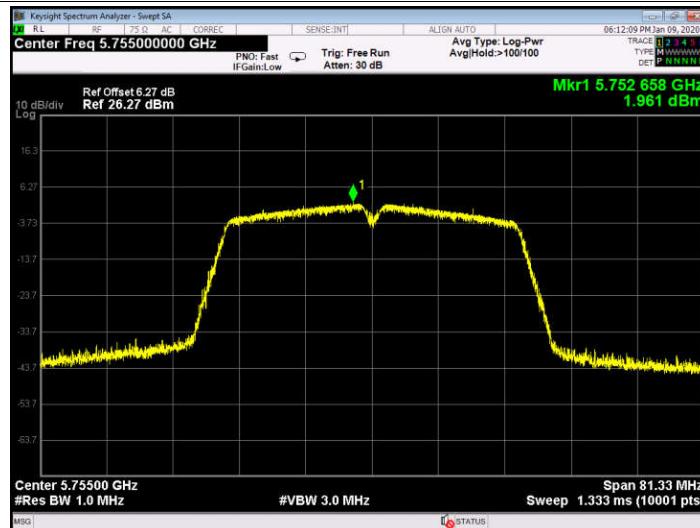


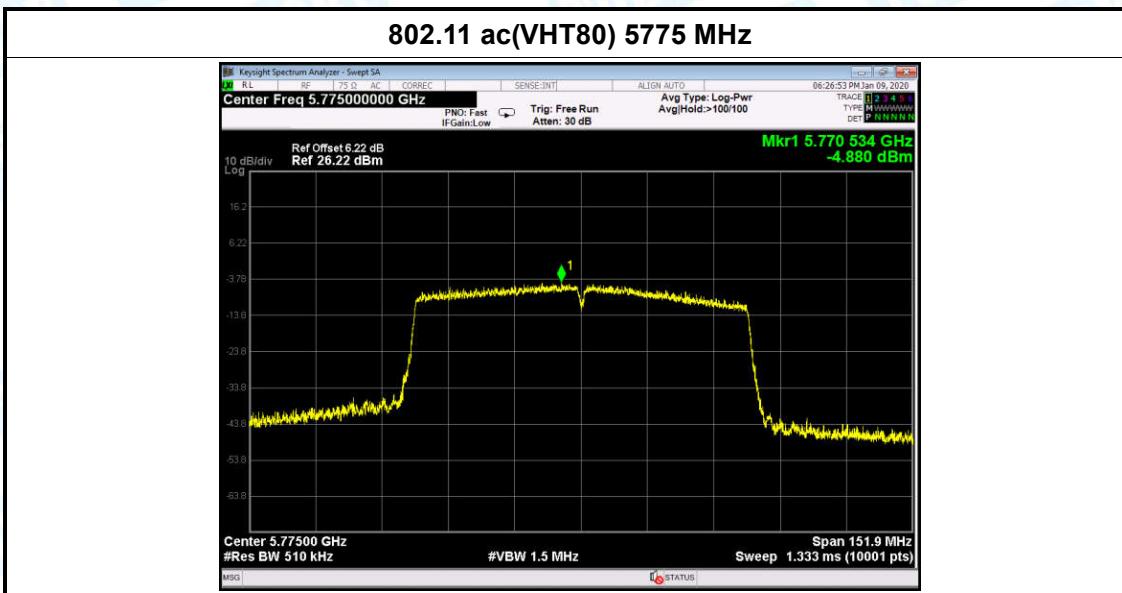
802.11 n(HT20) 5825 MHz



802.11 ac(VHT20) 5745 MHz**802.11 ac(VHT20) 5785 MHz****802.11 ac(VHT20) 5825 MHz**

802.11 n(HT40) 5755 MHz**802.11 n(HT40) 5795 MHz**

802.11 ac(VHT40) 5755 MHz**802.11 ac(VHT40) 5795 MHz**



Attachment G----Frequency Stability Measurement Data

Only show the worst case 802.11 a Mode 5180MHz.

801.11a U-NII-1: 5180 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
132	5180.0200
120	5180.0500
118	5180.0700
Limit Range (MHz)	5150-5250
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5180.0800
10	5180.0500
20	5180.0500
30	5180.0100
40	5180.0800
50	5180.0600
Limit Range (MHz)	5150-5250
Result	PASS

Only show the worst case 802.11 a Mode 5260MHz.

801.11a U-NII-2A: 5260 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
132	5280.0054
120	5280.0014
118	5280.0027
Limit Range (MHz)	5250-5350
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5280.0051
10	5280.0086
20	5280.0088
30	5280.0075
40	5280.0012
50	5280.0057
Limit Range (MHz)	5250-5350
Result	PASS

Only show the worst case 802.11 a Mode 5500MHz.

801.11a U-NII-2C: 5500 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
132	5499.9952
120	5499.9954
118	5499.9913
Limit Range (MHz)	5470-5725
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5499.9969
10	5499.9957
20	5499.9951
30	5499.9967
40	5499.9927
50	5499.9933
Limit Range (MHz)	5470-5725
Result	PASS

Only show the worst case 802.11 a Mode 5745MHz.

801.11a U-NII-3: 5745 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
132	5745.0500
120	5745.0200
118	5744.0300
Limit Range (MHz)	5725-5850
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5745.0100
10	5745.0500
20	5745.0200
30	5745.0700
40	5745.0500
50	5745.0200
Limit Range (MHz)	5725-5850
Result	PASS

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