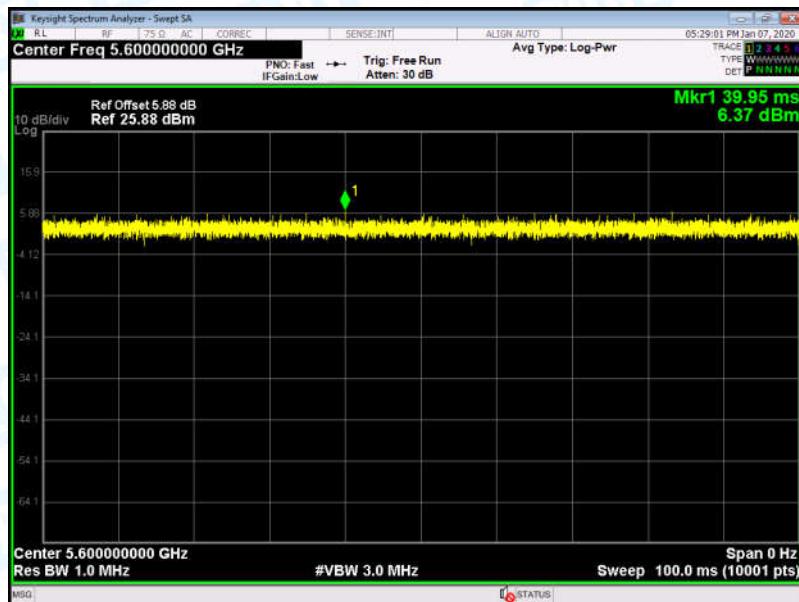
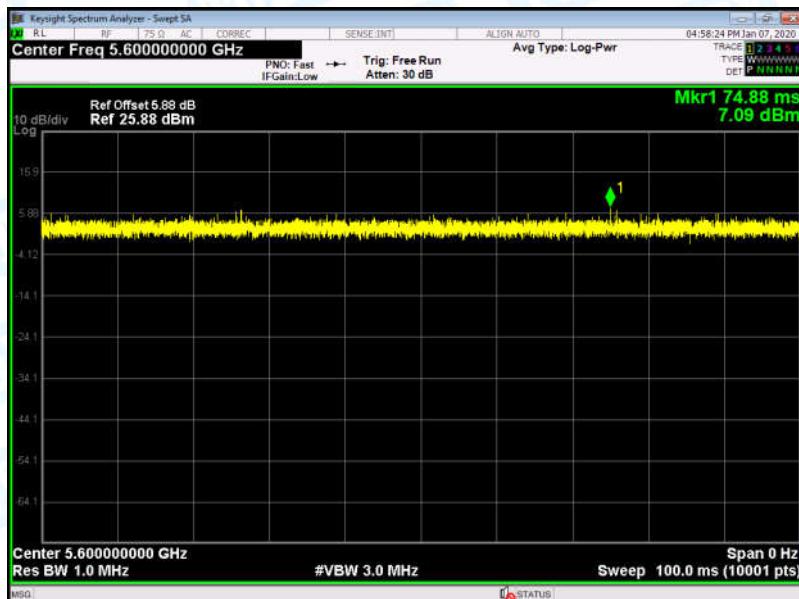


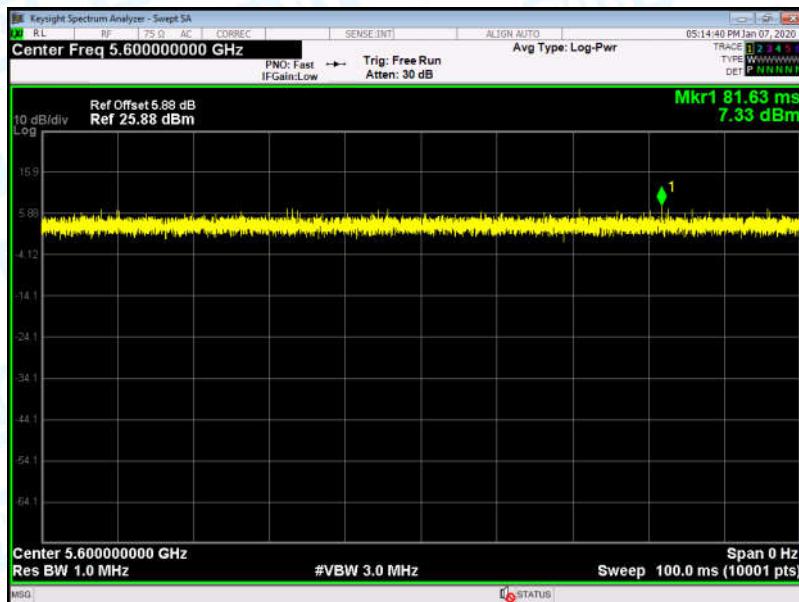
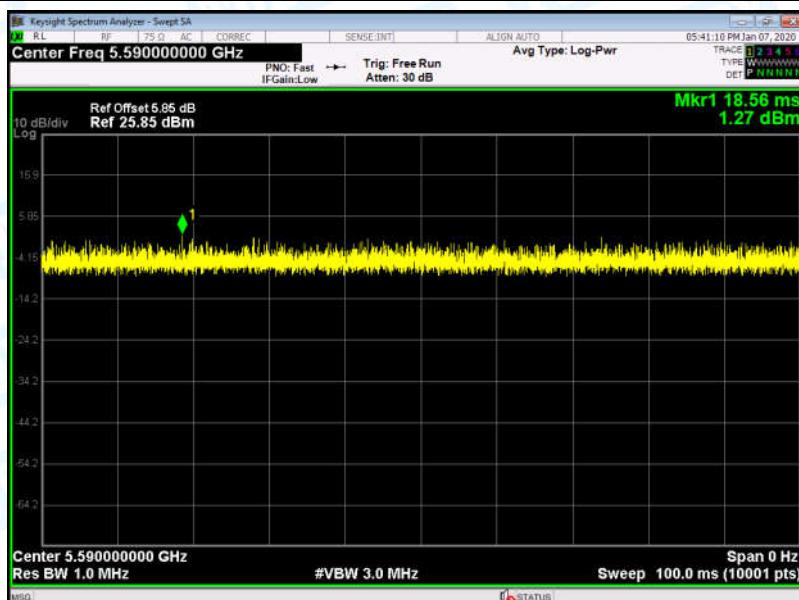
802.11 ac(vHT40) 5270MHz U-NII-2A**802.11 ac(vHT80) 5290MHz U-NII-2A**

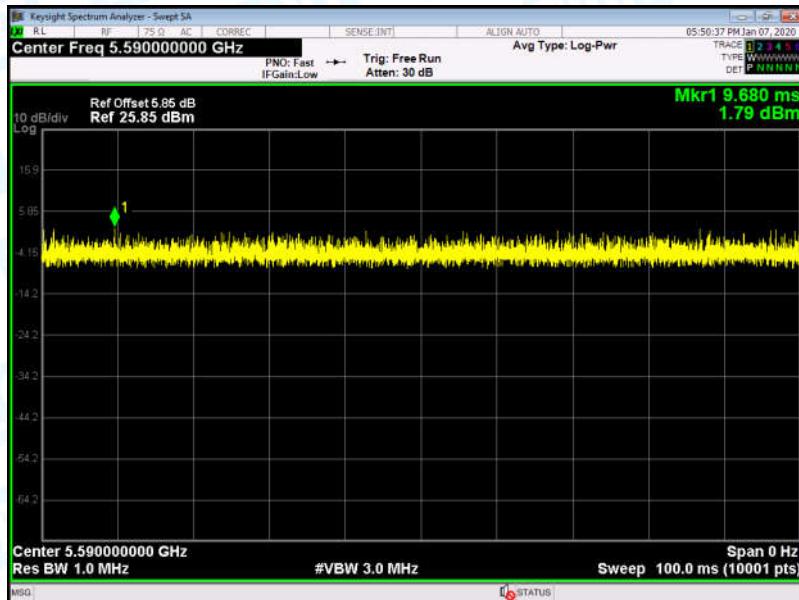
802.11 a 5600MHz U-NII-2C



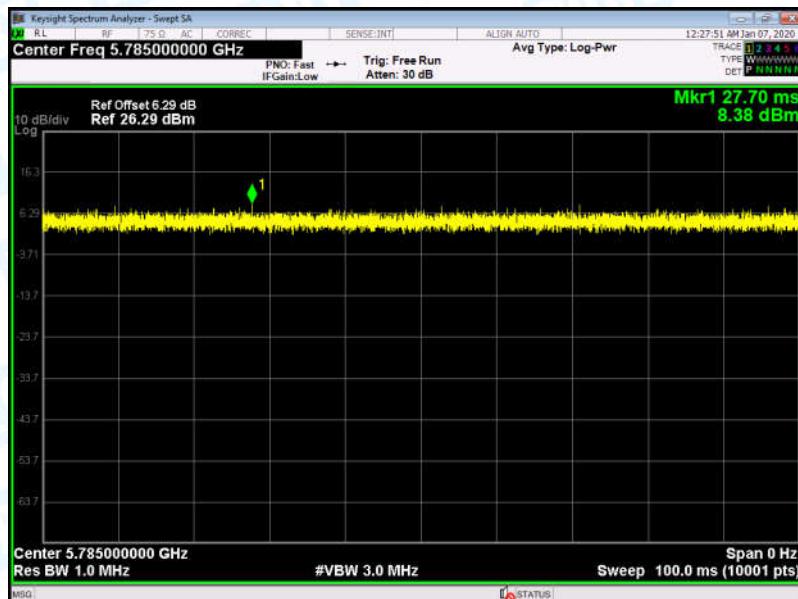
802.11 n(HT20) 5600MHz U-NII-2C



802.11 ac(vHT20) 5600MHz U-NII-2C**802.11 n(HT40) 5590MHz U-NII-2C**

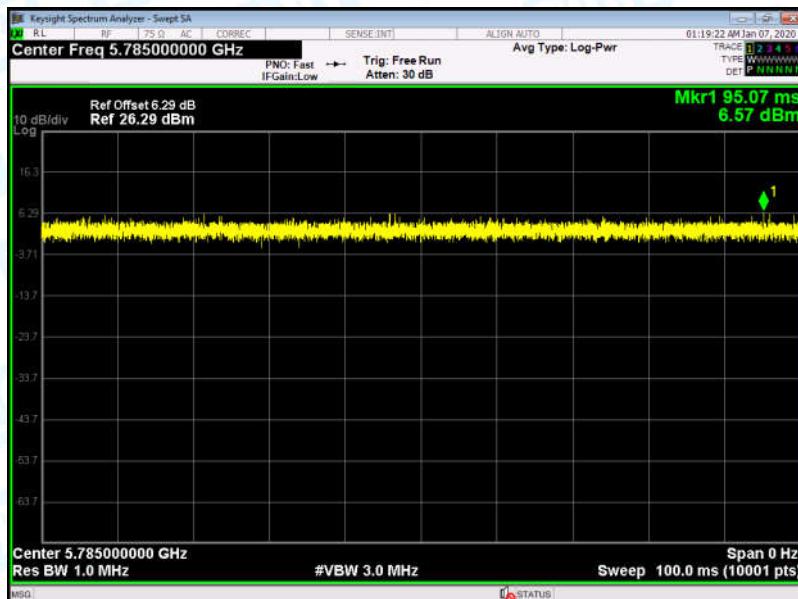
802.11 ac(HT40) 5590MHz U-NII-2C**802.11 ac(HT80) 5610MHz U-NII-2C**

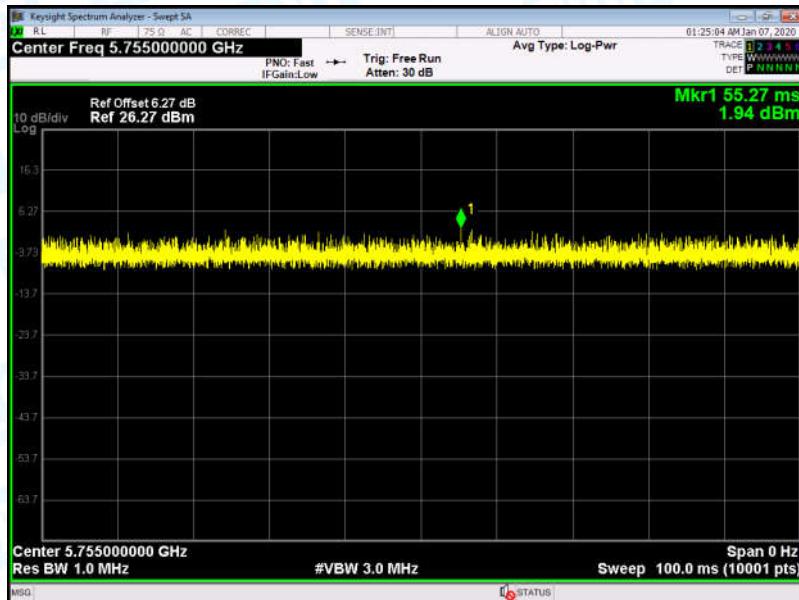
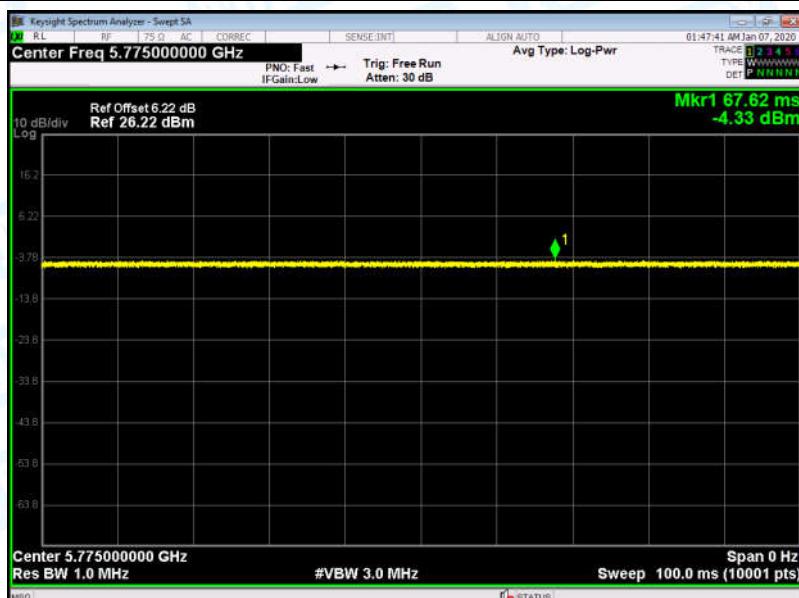
802.11 a 5785MHz U-NII-3



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

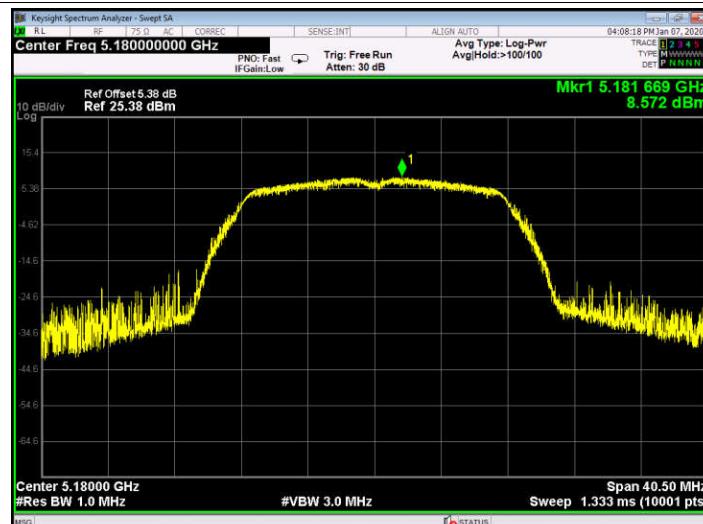
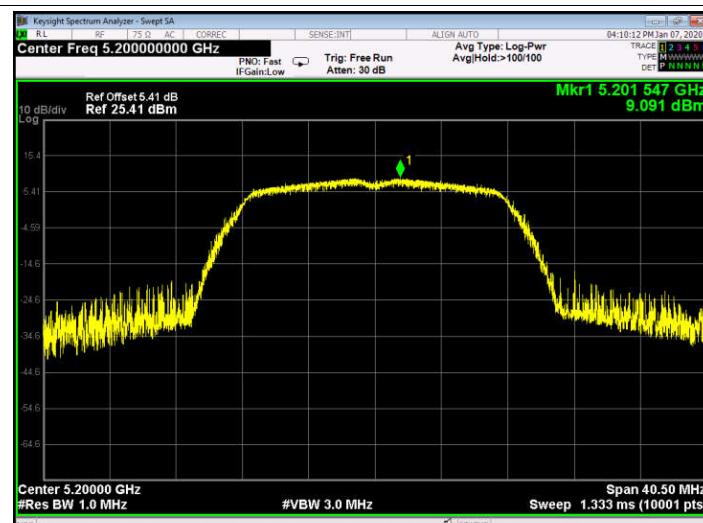
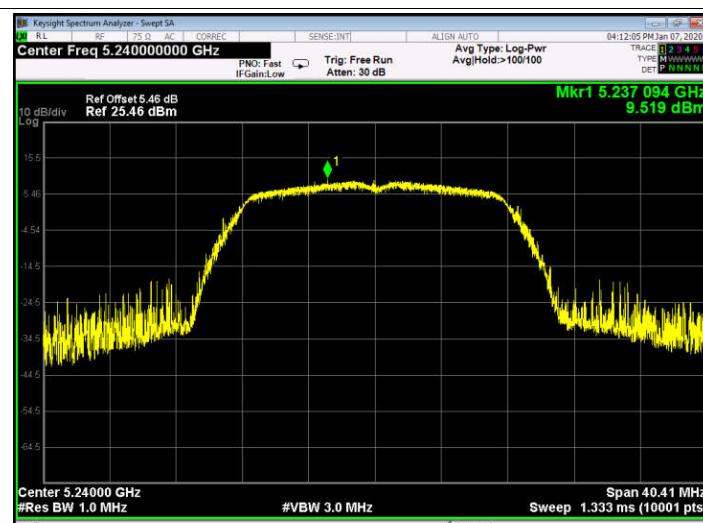


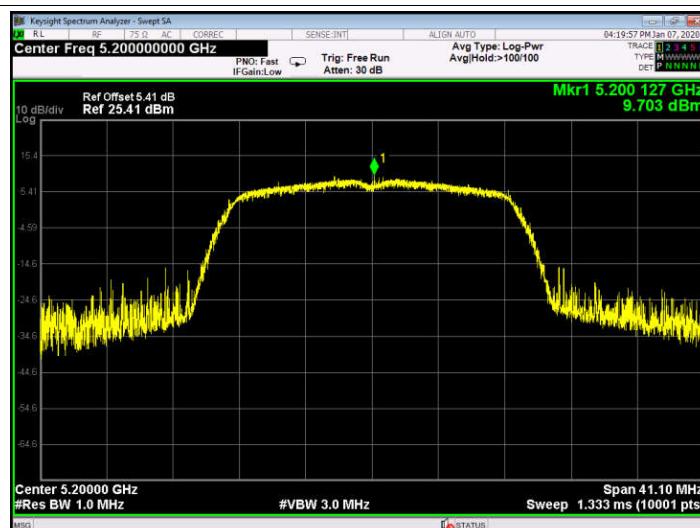
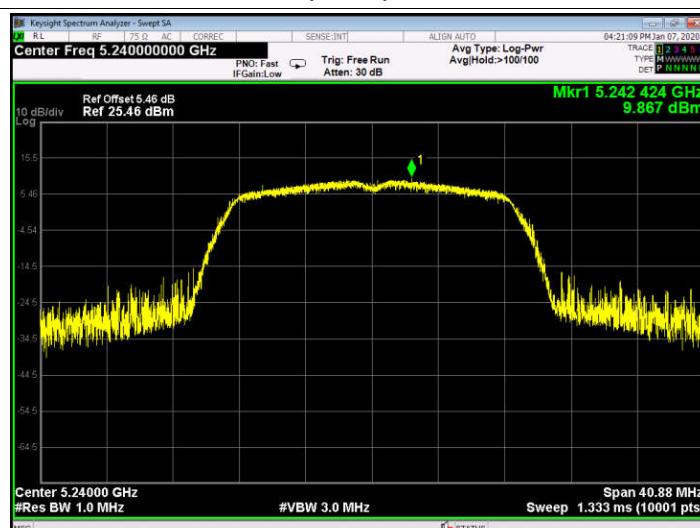
802.11 ac(vHT20) 5785MHz U-NII-3**802.11 n(HT40) 5755MHz U-NII-3**

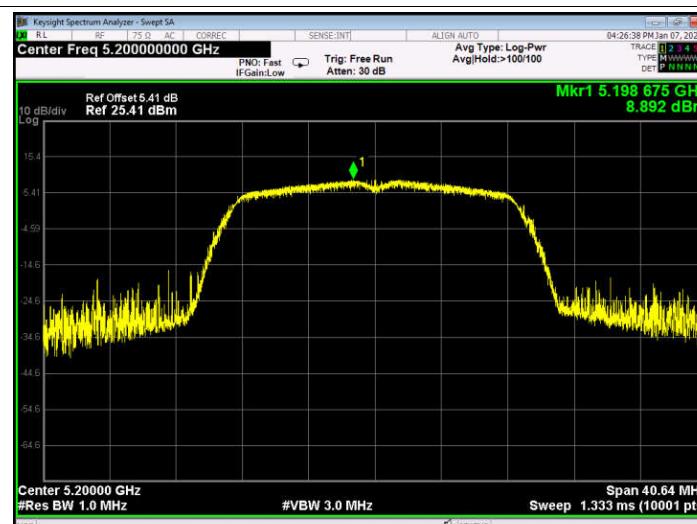
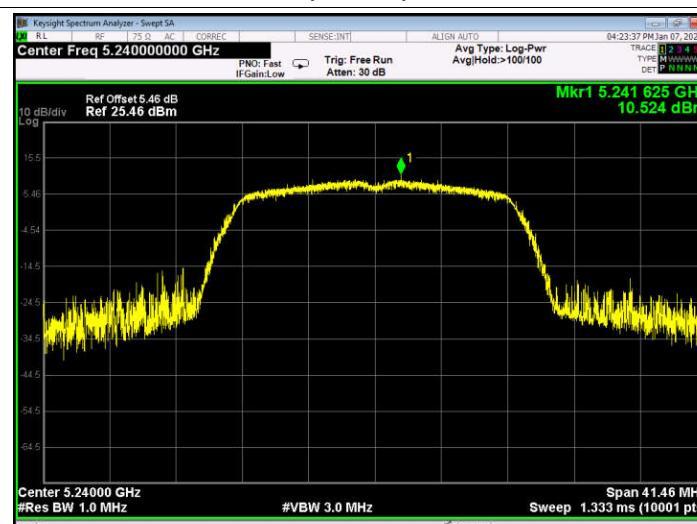
802.11 ac(vHT40) 5755MHz U-NII-3**802.11 ac(vHT80) 5775MHz U-NII-3**

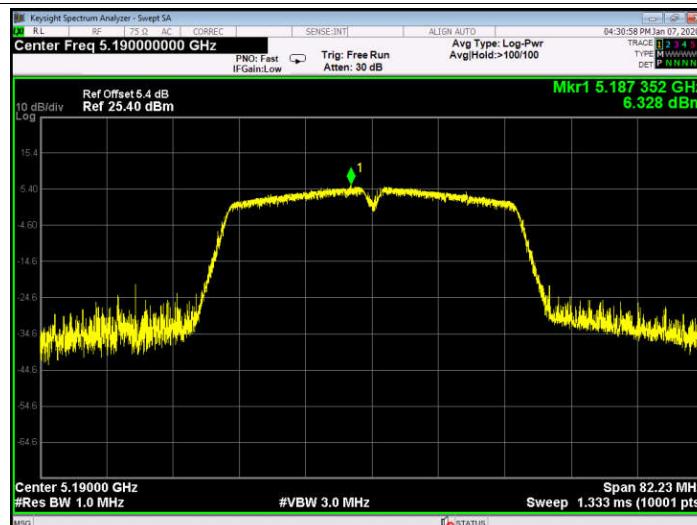
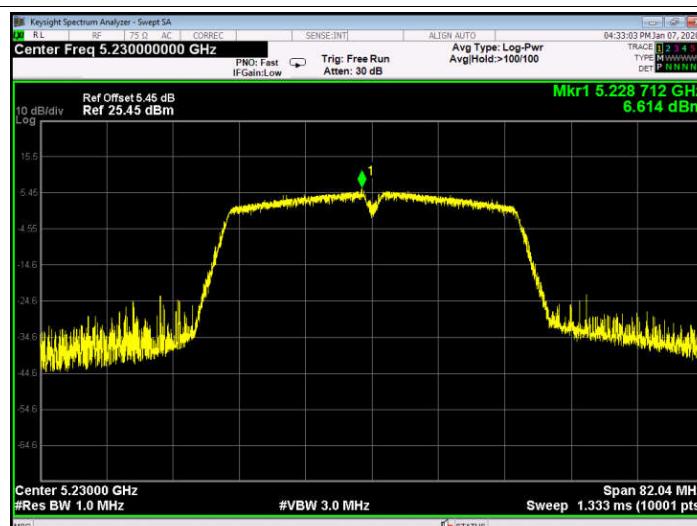
Attachment F-- Power Spectral Density Test Data

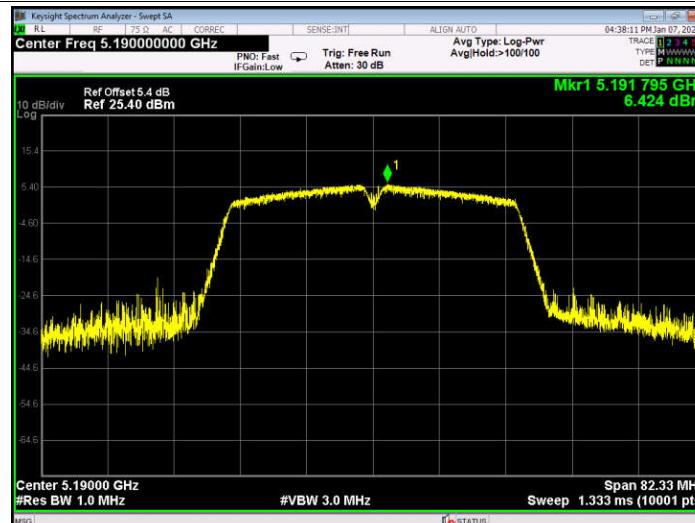
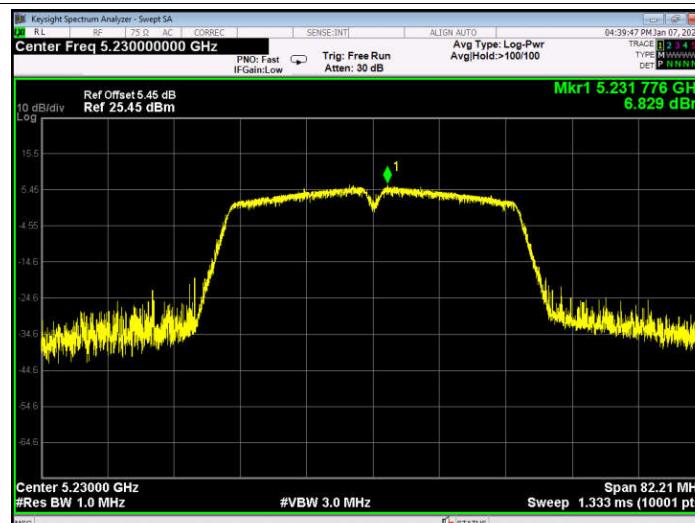
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
U-NII-1			
Test Mode	Frequency (MHz)	Test Data	Limit (dBm/MHz)
		Power Density (dBm/MHz)	
802.11a	5180	8.572	11
	5200	9.091	
	5240	9.519	
802.11n (HT20)	5180	9.957	
	5200	9.703	
	5240	9.867	
802.11ac (VHT20)	5180	9.782	
	5200	8.892	
	5240	10.524	
802.11n (HT40)	5190	6.328	
	5230	6.614	
802.11ac(VHT40)	5190	6.424	
	5230	6.829	
802.11ac(VHT80)	5210	2.899	
Result: PASS			
Remark: the Directional Gain=2.92dBi<6 dBi. So $P_{out} = P_{limit}$			
Test plots please refer to below pages:			

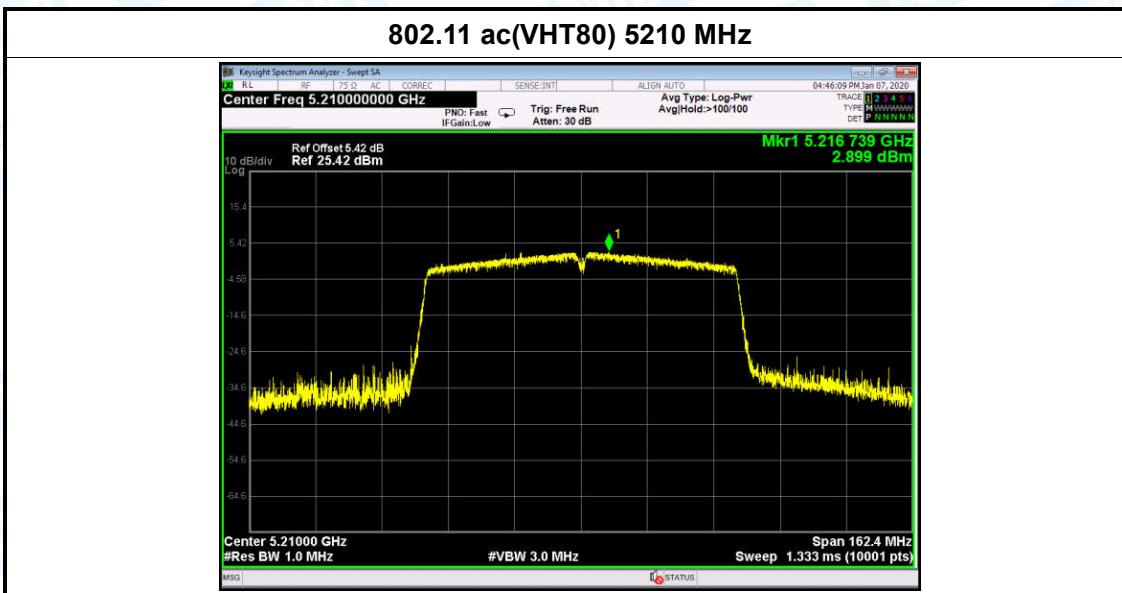
802.11 a 5180 MHz**802.11 a 5200 MHz****802.11 a 5240 MHz**

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

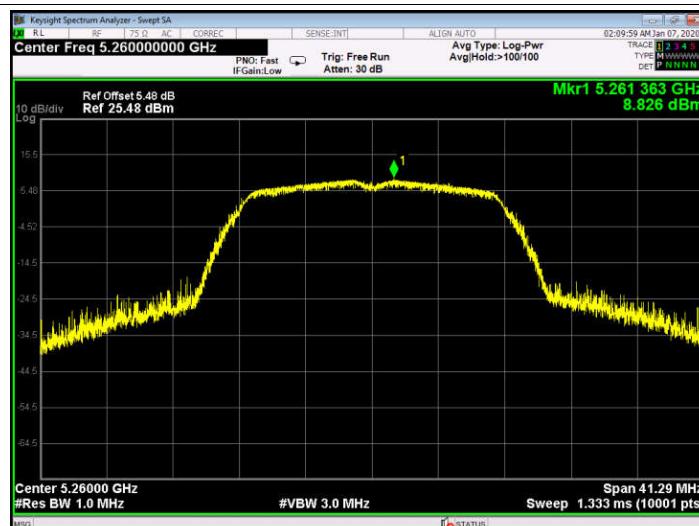
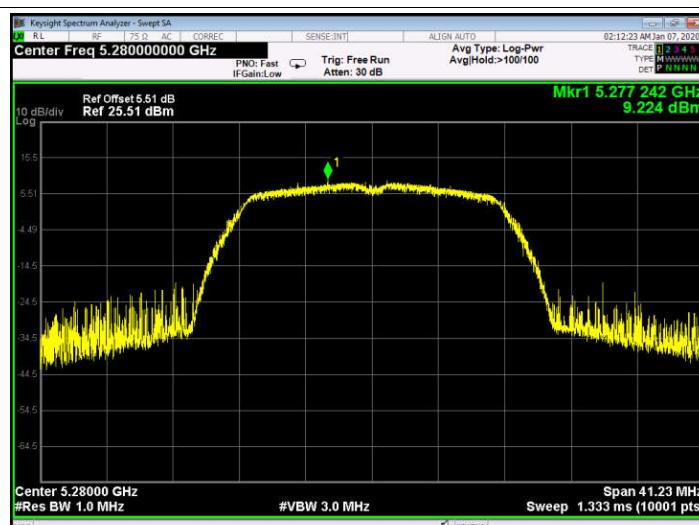
802.11 ac(VHT20) 5180 MHz**802.11 ac(VHT20) 5200 MHz****802.11 ac(VHT20) 5240 MHz**

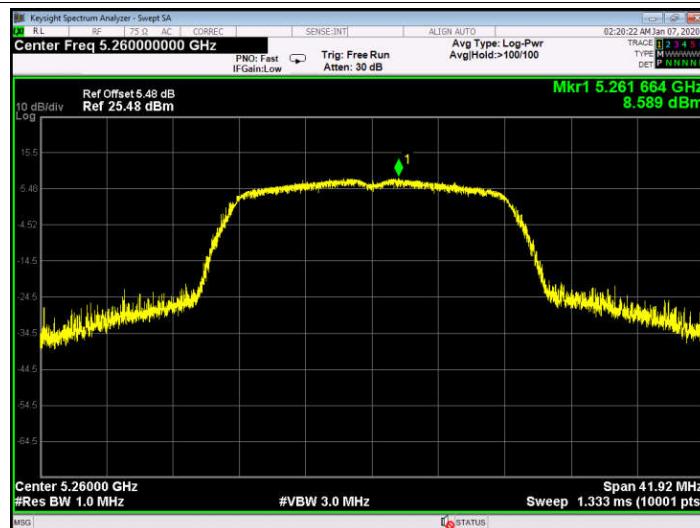
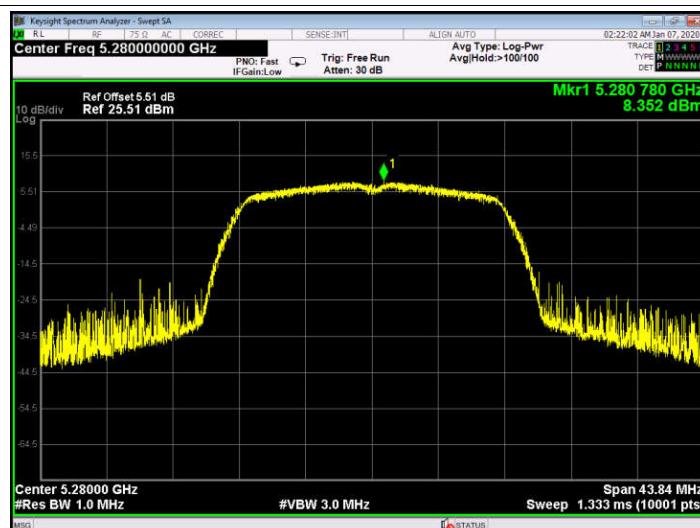
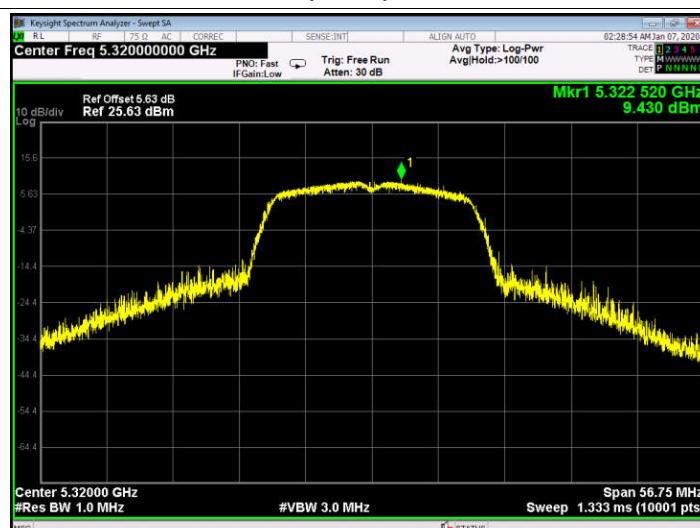
802.11 n(HT40) 5190 MHz**802.11 n(HT40) 5230 MHz**

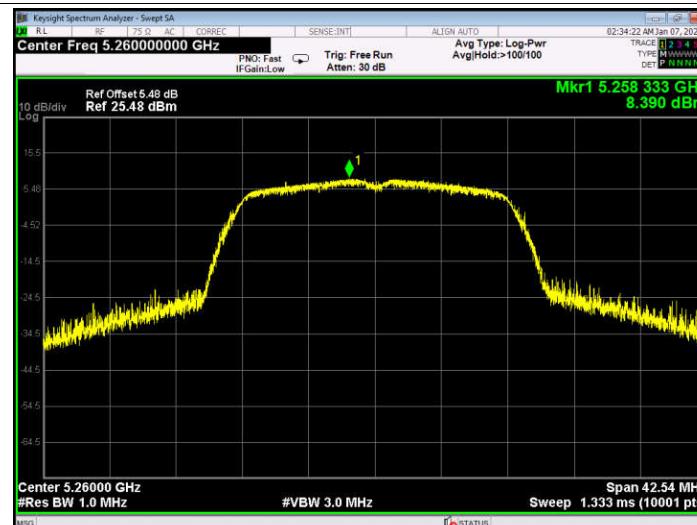
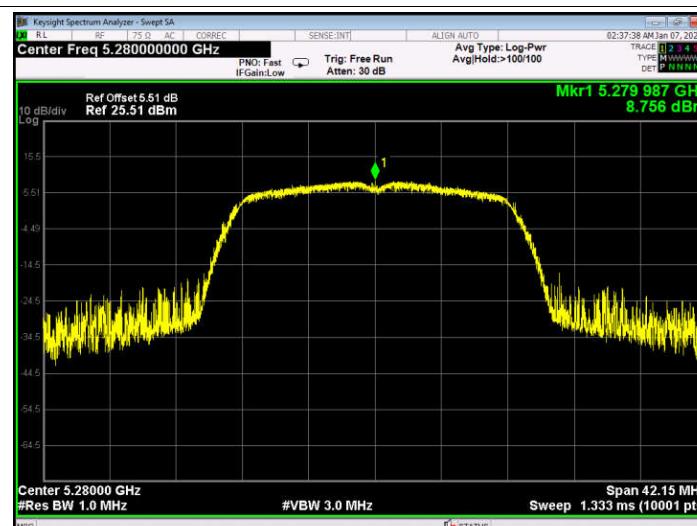
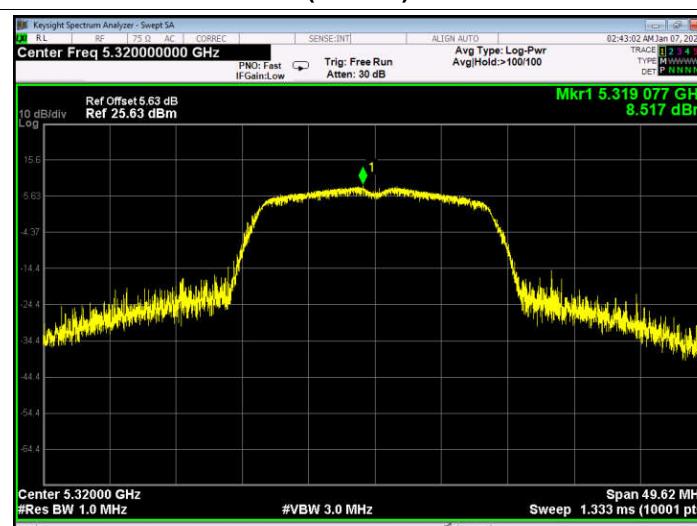
802.11 ac(VHT40) 5190 MHz**802.11 ac(VHT40) 5230 MHz**

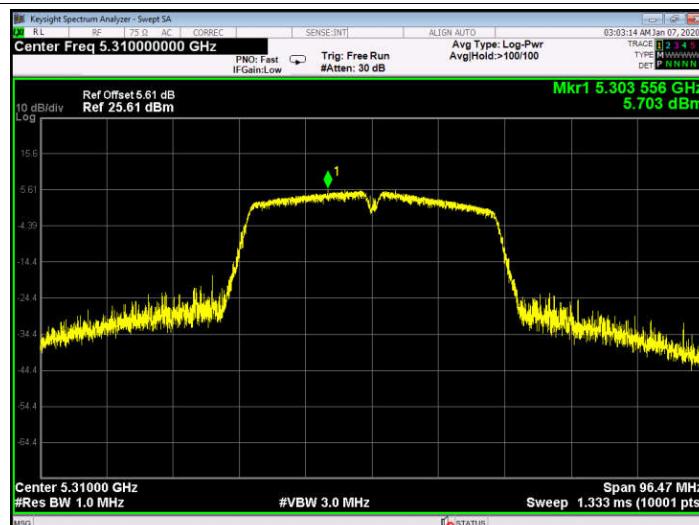


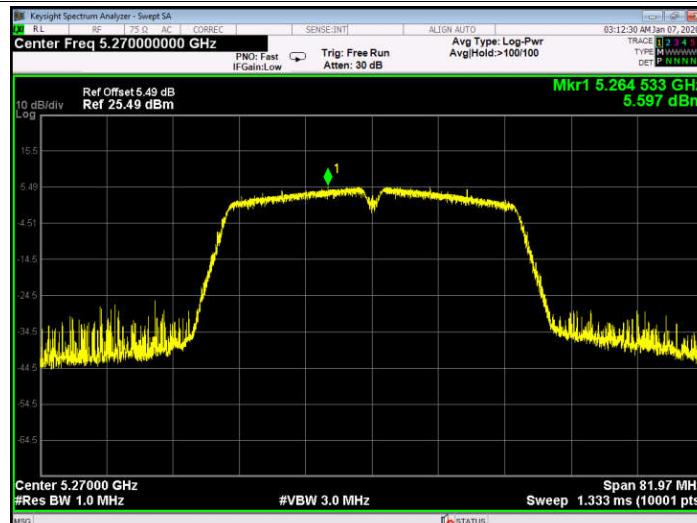
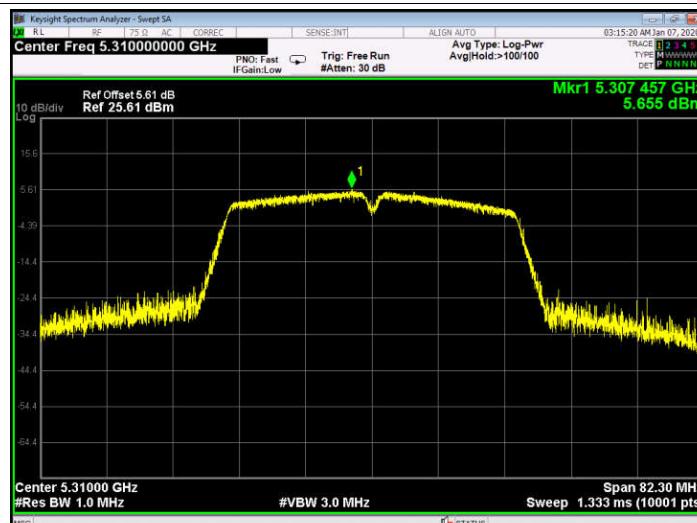
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
U-NII-2A			
Test Mode	Frequency (MHz)	Test Data	Limit (dBm/MHz)
		Power Density (dBm/MHz)	
802.11a	5260	8.826	11
	5280	9.224	
	5320	8.674	
802.11n (HT20)	5260	8.589	
	5280	8.352	
	5320	9.430	
802.11ac (VHT20)	5260	8.390	
	5280	8.756	
	5320	8.517	
802.11n (HT40)	5270	6.312	
	5310	5.703	
802.11ac(VHT40)	5270	5.597	
	5310	5.655	
802.11ac(VHT80)	5290	2.624	
Result: PASS			
Remark: the Directional Gain=2.92dBi<6 dBi. So $P_{out} = P_{limit}$			
Test plots please refer to below pages:			

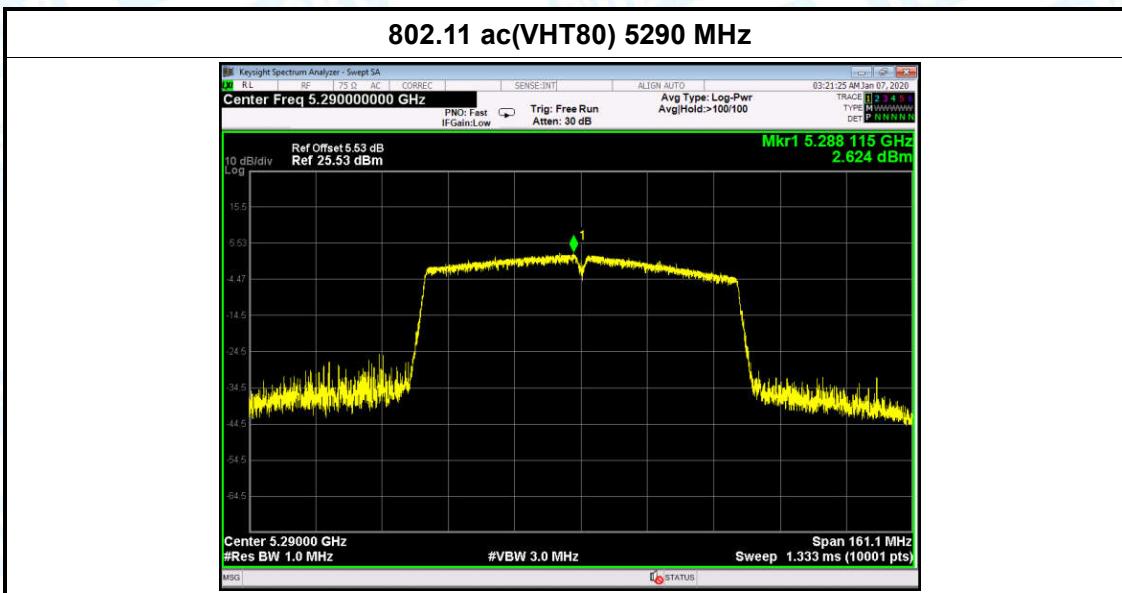
802.11 a 5260 MHz**802.11 a 5280 MHz****802.11 a 5320 MHz**

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

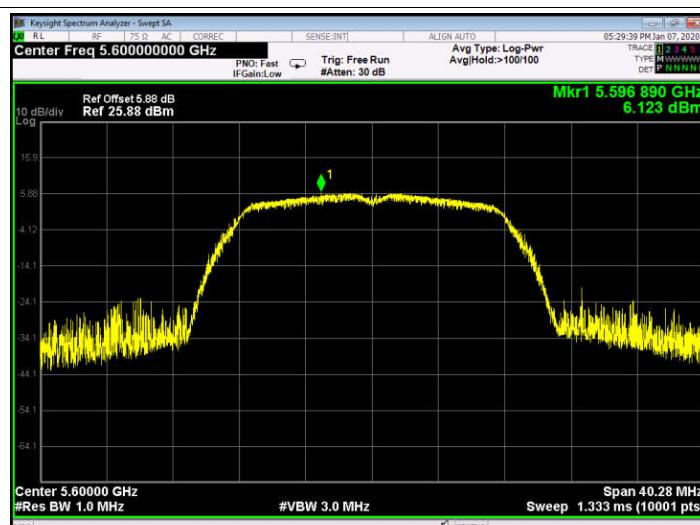
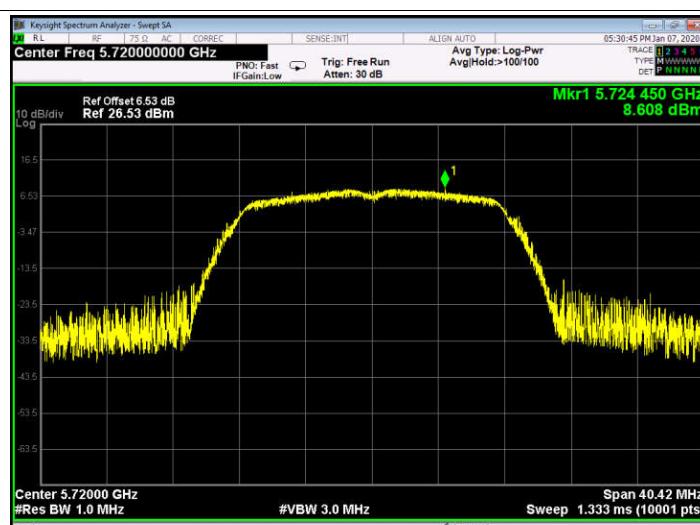
802.11 ac(VHT20) 5260 MHz**802.11 ac(VHT20) 5280 MHz****802.11 ac(VHT20) 5320 MHz**

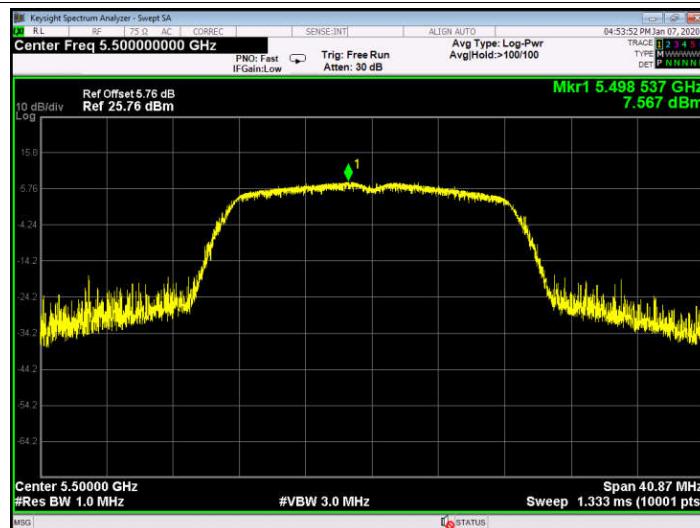
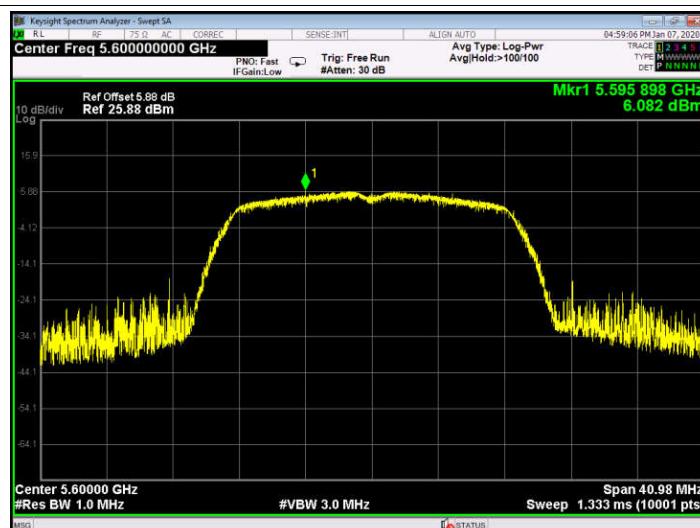
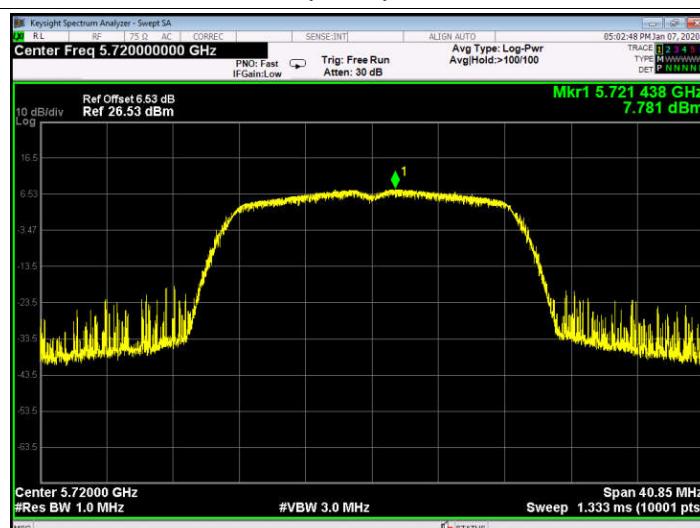
802.11 n(HT40) 5270 MHz**802.11 n(HT40) 5310 MHz**

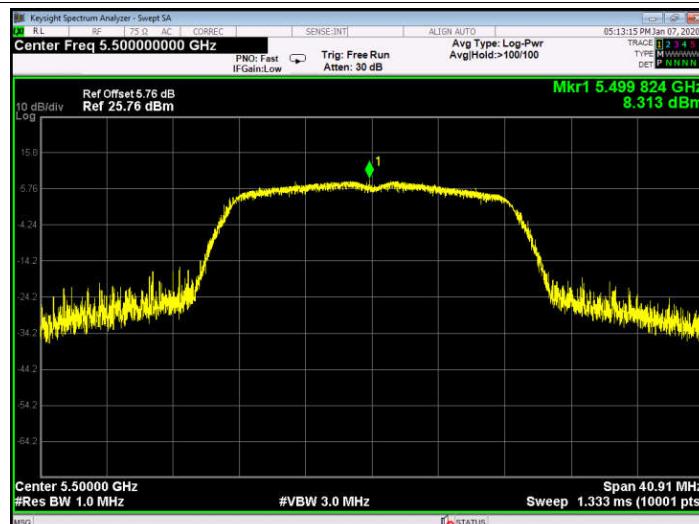
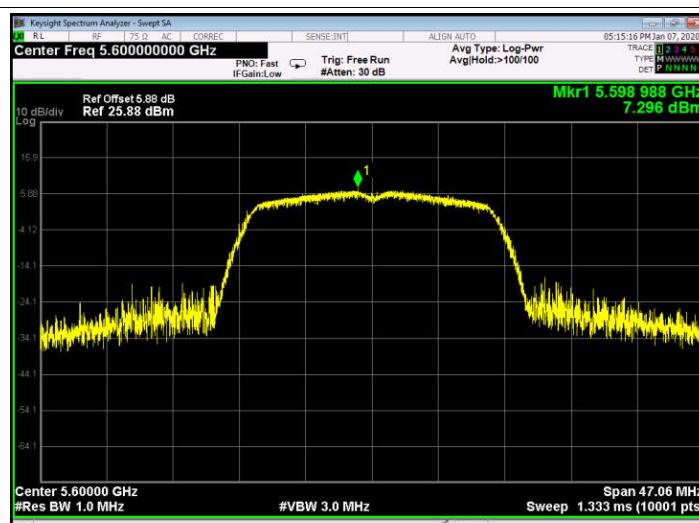
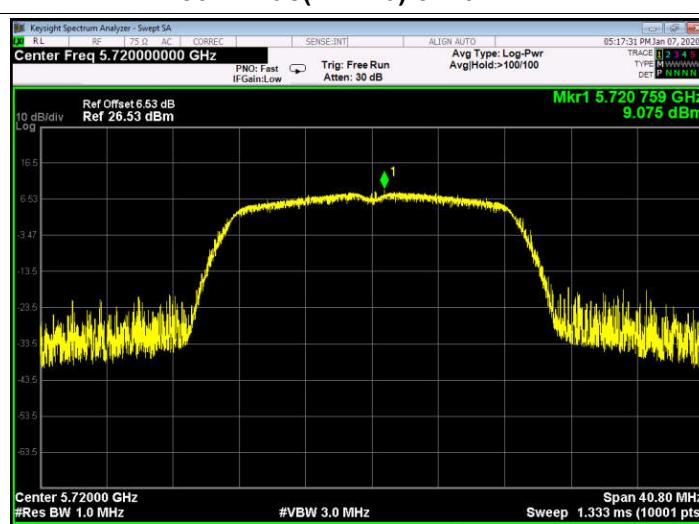
802.11 ac(VHT40) 5270 MHz**802.11 ac(VHT40) 5310 MHz**

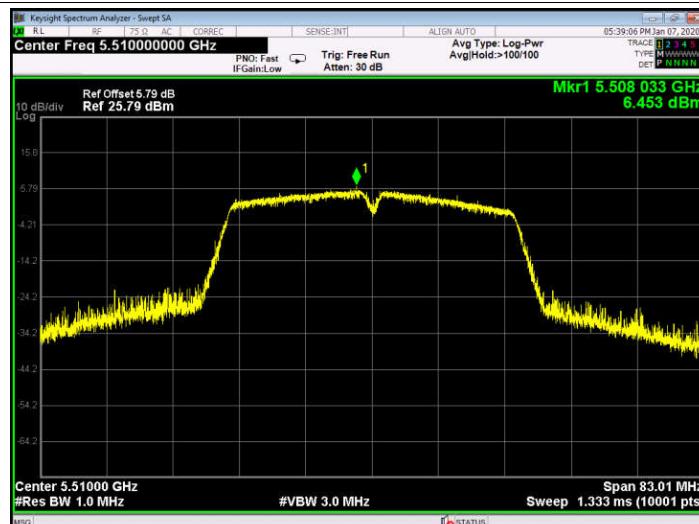
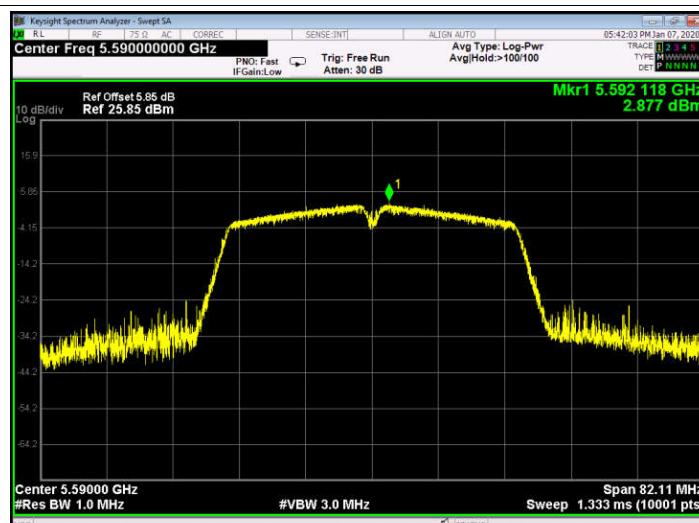
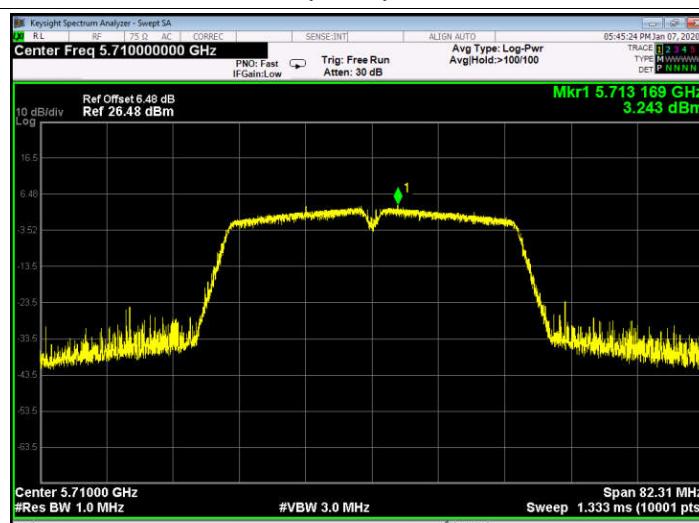


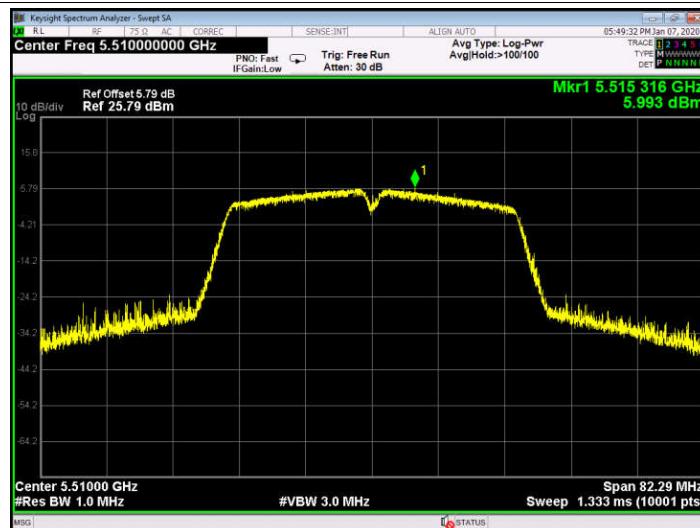
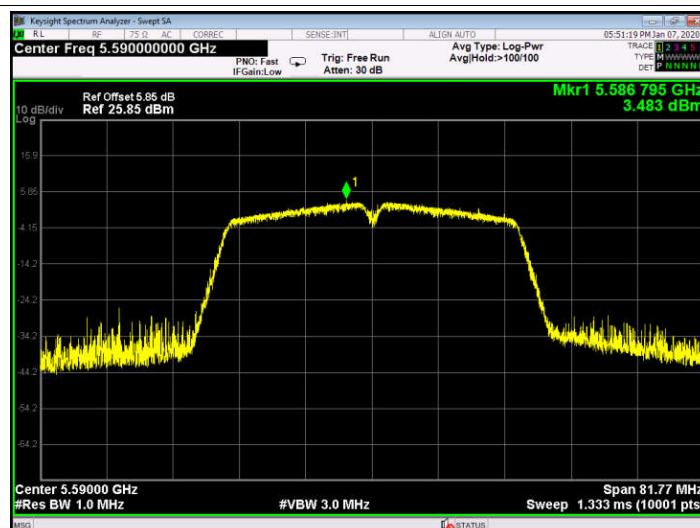
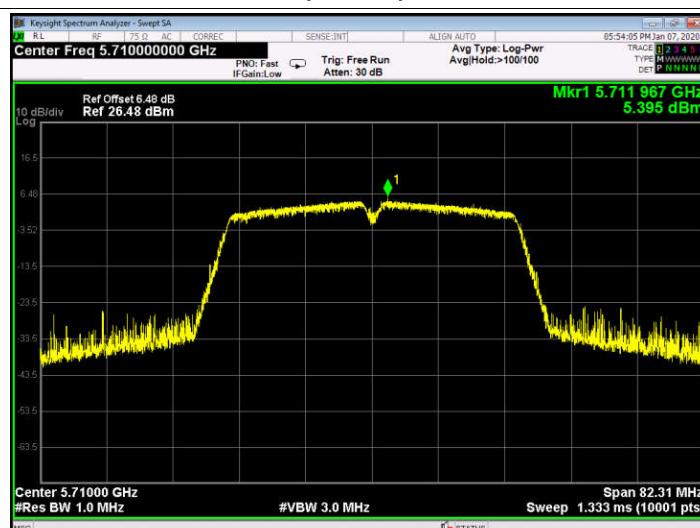
Temperature:	25 °C	Relative Humidity:	55%	
Test Voltage:	DC 3.8V			
U-NII-2C				
Test Mode	Frequency (MHz)	Test Data	Limit (dBm/MHz)	
		Power Density (dBm/MHz)		
802.11a	5500	8.997	11	
	5600	6.123		
	5720	8.608		
802.11n (HT20)	5500	7.567		
	5600	6.082		
	5720	7.781		
802.11ac (HT20)	5500	8.313		
	5600	7.296		
	5720	9.075		
802.11n (HT40)	5510	6.453		
	5590	2.877		
	5710	3.243		
802.11ac(40)	5510	5.993		
	5590	3.483		
	5710	5.395		
802.11ac(80)	5530	2.949		
	5610	0.080		
	5690	1.237		
Result: PASS				
Remark:				
the Directional Gain=2.92dBi<6 dBi.				
So $P_{out} = P_{limit}$				
Test plots please refer to below pages:				

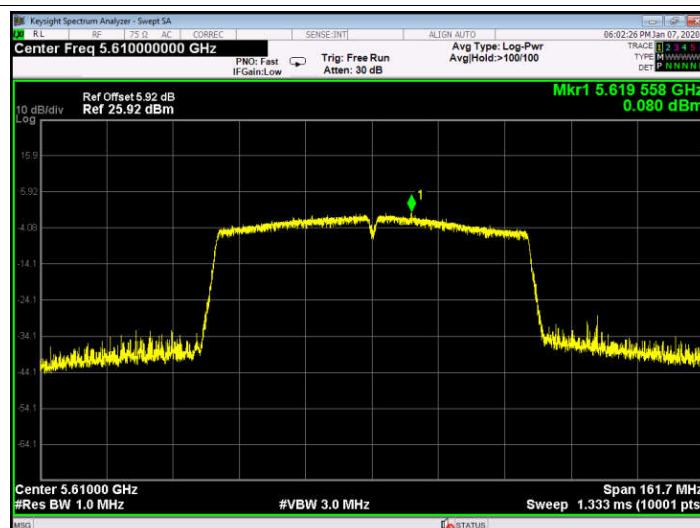
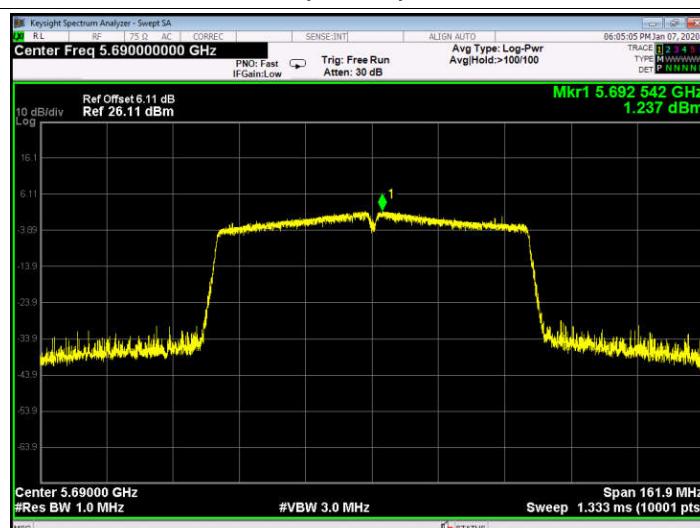
802.11 a 5500 MHz**802.11 a 5600 MHz****802.11 a 5720 MHz**

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

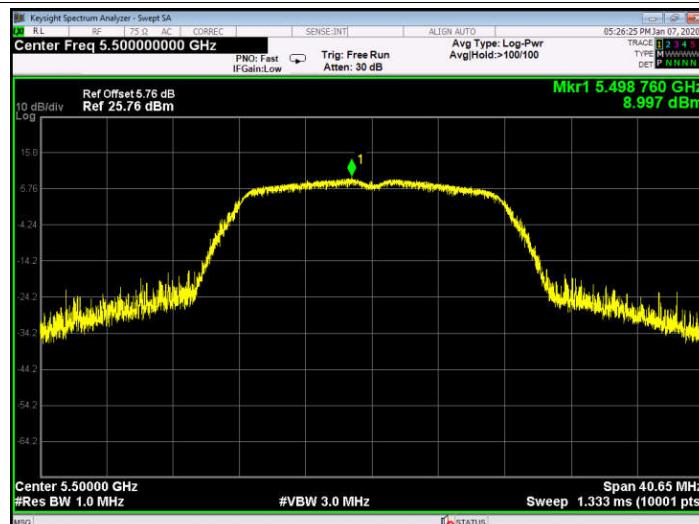
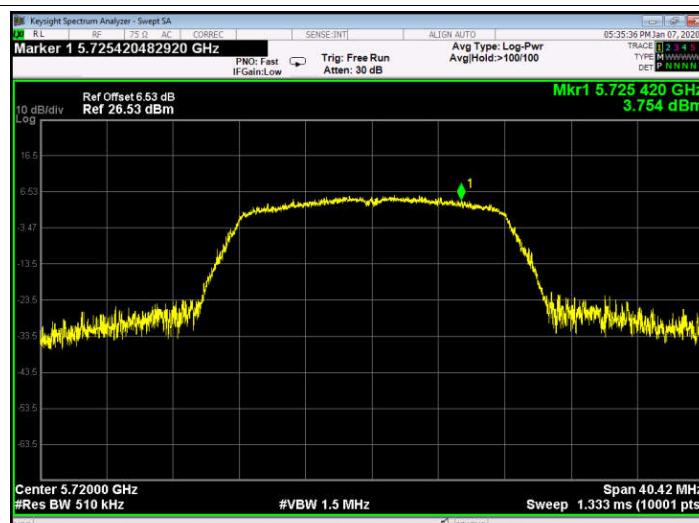
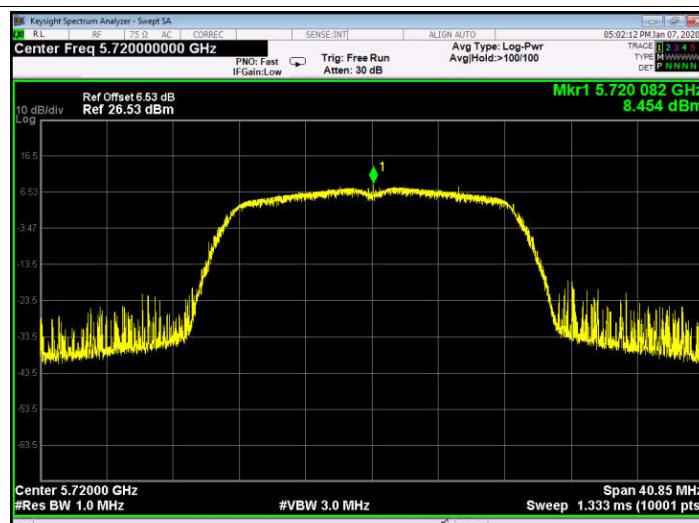
802.11 ac(VHT20) 5500 MHz**802.11 ac(VHT20) 5600 MHz****802.11 ac(VHT20) 5720 MHz**

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

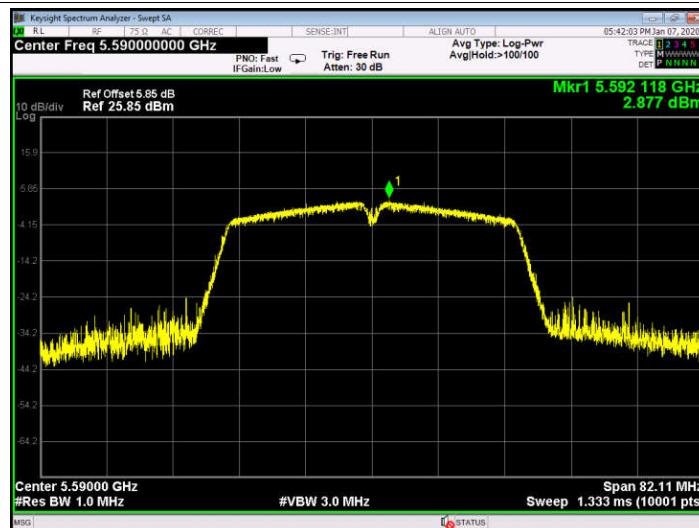
802.11 ac(VHT40) 5510 MHz**802.11 ac(VHT40) 5590 MHz****802.11 ac(VHT40) 5710 MHz**

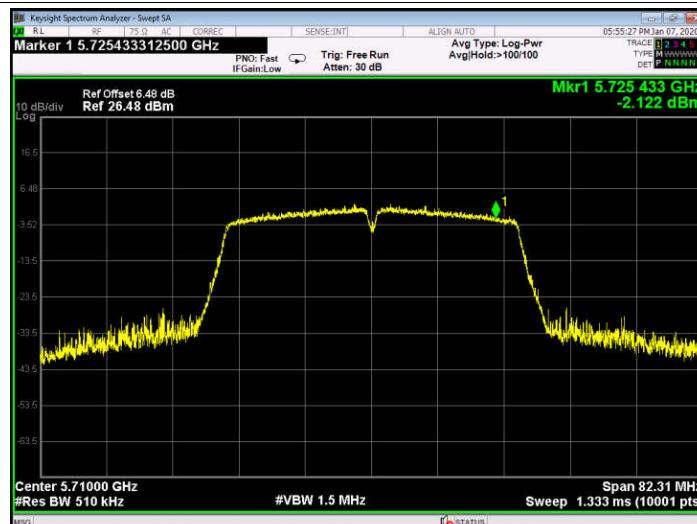
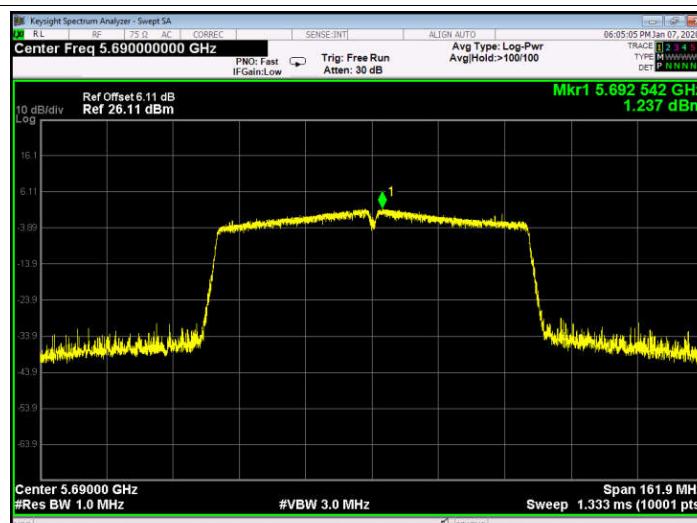
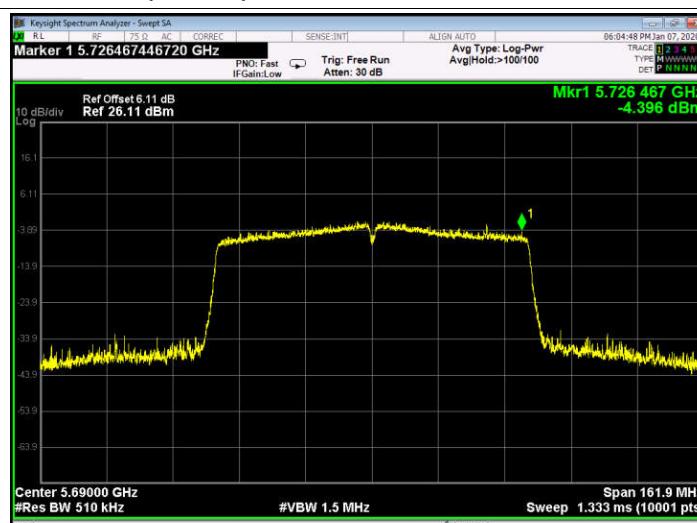
802.11 ac(VHT80) 5530 MHz**802.11 ac(VHT80) 5610 MHz****802.11 ac(VHT80) 5690 MHz**

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	8.997	-----	11	-----		
802.11a 5720MHz Straddle 5.725-5.85GHz	-----	3.754	-----	30		
802.11n(HT20) 5720MHz Straddle 5.47-5.725GHz	8.454	-----	11	-----		
802.11n(HT20) 5720MHz Straddle 5.725-5.85GHz	-----	3.314	-----	30		
802.11ac(VHT20) 5720MHz Straddle 5.47-5.725GHz	9.032	-----	11	-----		
802.11ac(VHT20) 5720MHz Straddle 5.725-5.85GHz	-----	9.032	-----	30		
802.11n(HT40) 5710MHz Straddle 5.47-5.725GHz	2.877	-----	11	-----		
802.11n(HT40) 5710MHz Straddle 5.725-5.85GHz	-----	-4.425	-----	30		
802.11ac(VHT40) 5710MHz Straddle 5.47-5.725GHz	3.483	-----	11	-----		
802.11ac(VHT40) 5710MHz Straddle 5.725-5.85GHz	-----	-2.122	-----	30		
802.11ac(VHT80) 5690MHz Straddle 5.47-5.725GHz	1.237	-----	11	-----		
802.11ac(VHT80) 5690MHz Straddle 5.725-5.85GHz	-----	-4.396	-----	30		
Result: PASS						
Remark: the Directional Gain=2.92dBi<6 dBi. So $P_{out} = P_{limit}$						
Test plots please refer to below pages:						

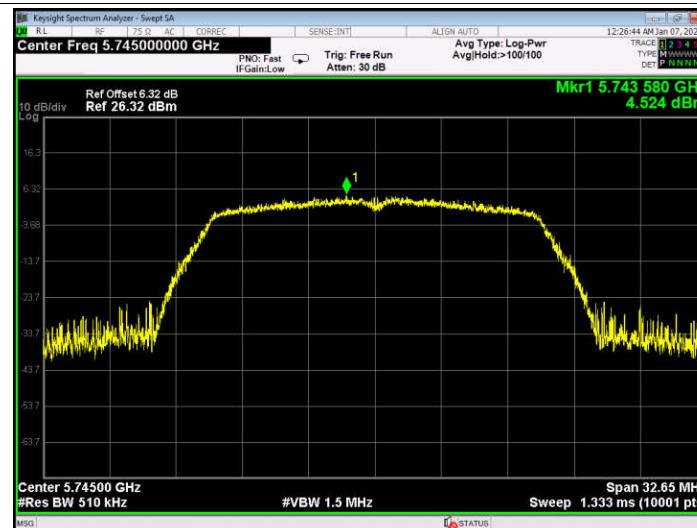
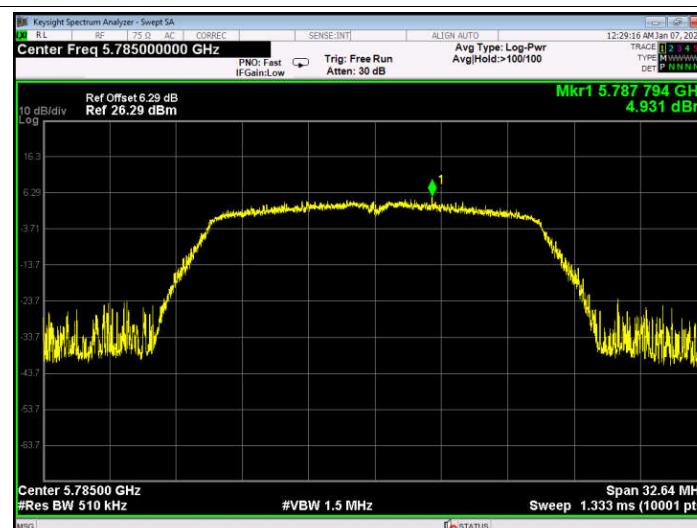
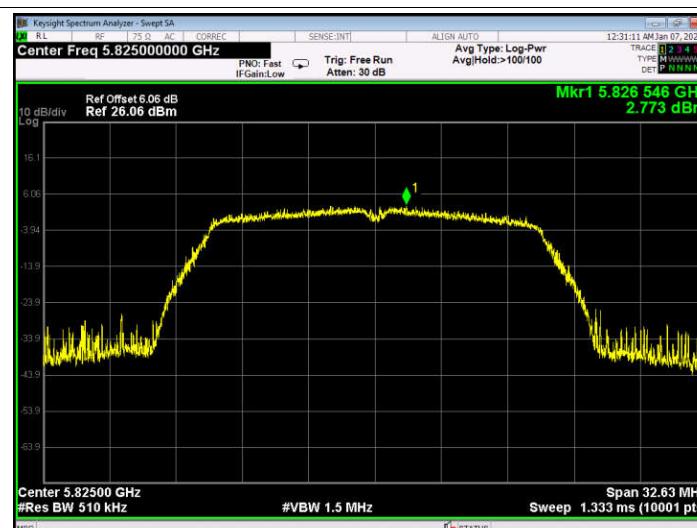
802.11a 5720MHz Straddle 5.47-5.725GHz**802.11a 5720MHz Straddle 5.725-5.85GHz****802.11n(HT20) 5720MHz Straddle 5.47-5.725GHz**

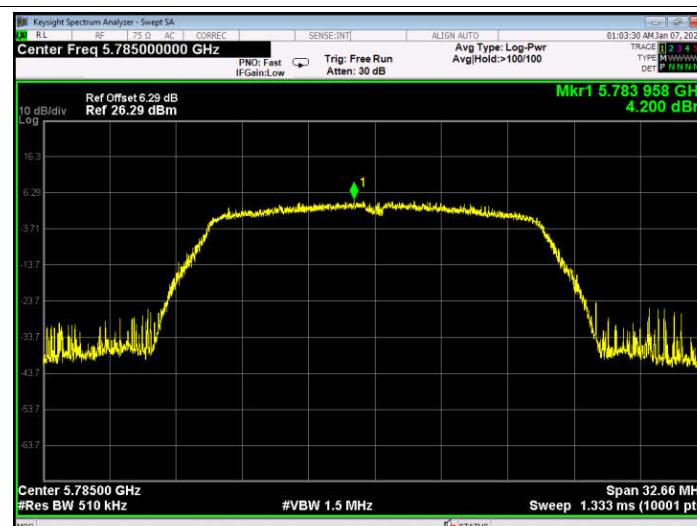
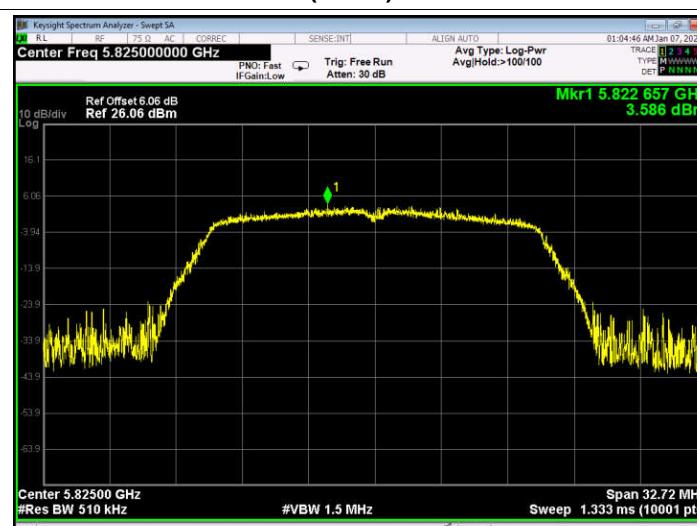
802.11n(HT20) 5720MHz Straddle 5.725-5.85GHz**802.11ac(VHT20) 5720MHz Straddle 5.47-5.725GHz****802.11ac(VHT20) 5720MHz Straddle 5.725-5.85GHz**

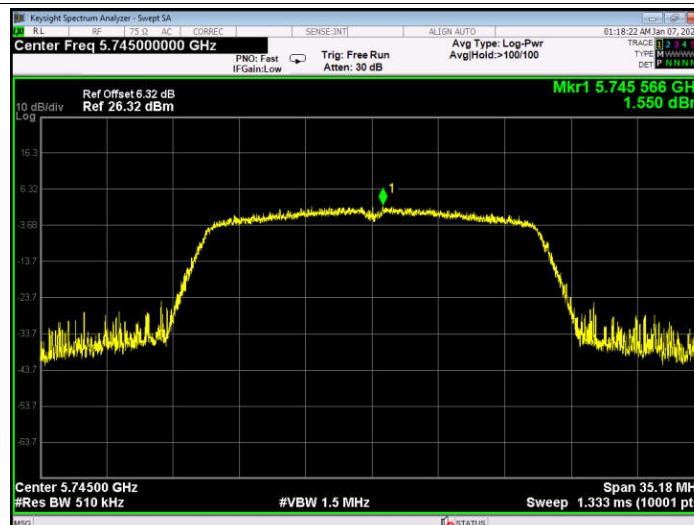
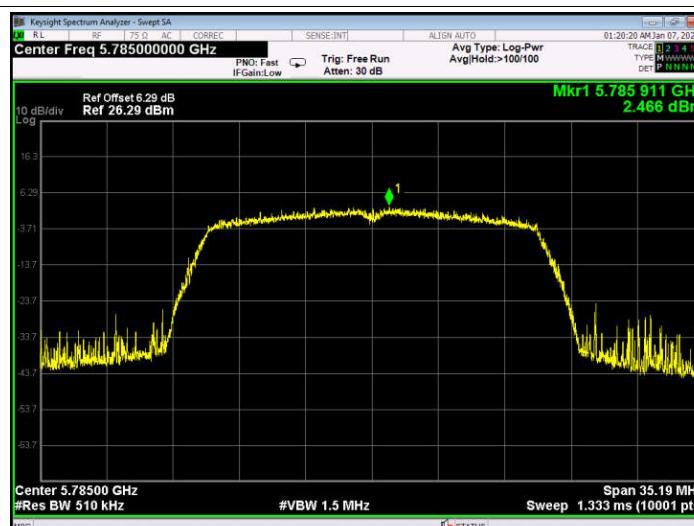
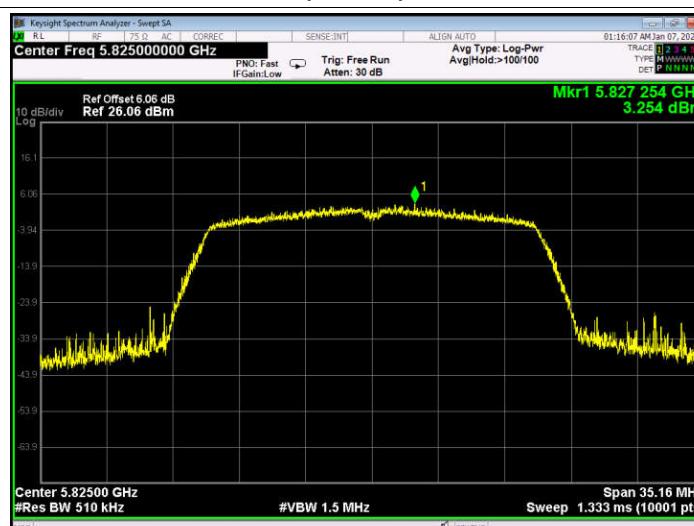
802.11n(HT40) 5710MHz Straddle 5.47-5.725GHz**802.11n(HT40) 5710MHz Straddle 5.725-5.85GHz****802.11ac(VHT40) 5710MHz Straddle 5.47-5.725GHz**

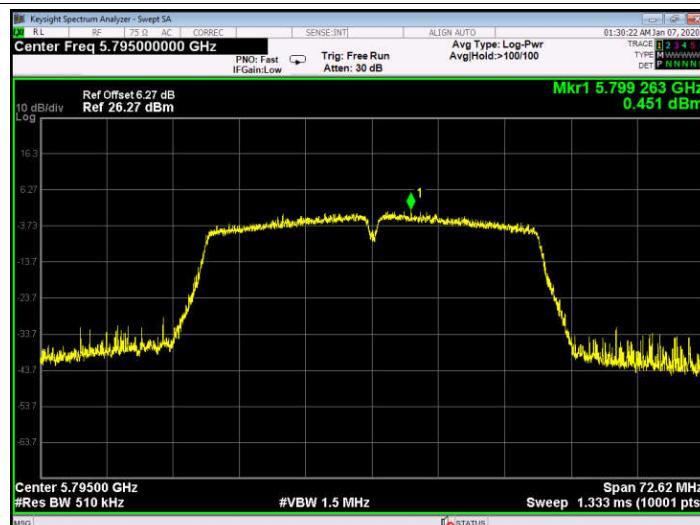
802.11ac(VHT40) 5710MHz Straddle 5.725-5.85GHz**802.11ac(VHT80) 5690MHz Straddle 5.47-5.725GHz****802.11ac(VHT80) 5690MHz Straddle 5.725-5.85GHz**

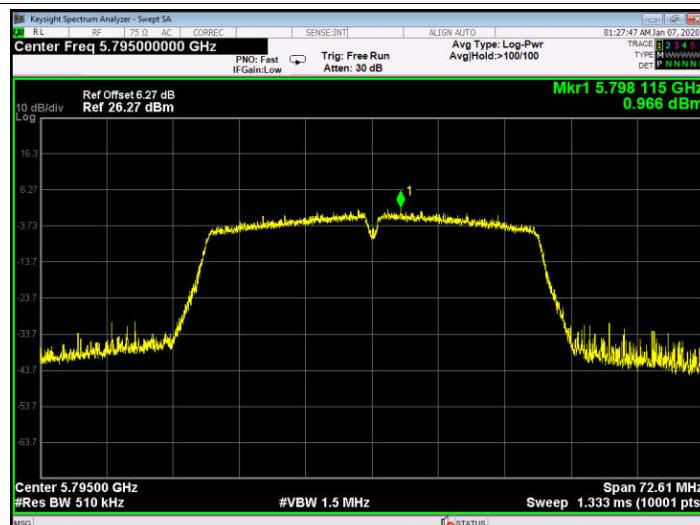
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
U-NII-3			
Test Mode	Frequency (MHz)	Test Data	Limit (dBm/500KHz)
		Power Density (dBm/500KHz)	
802.11a	5745	4.524	30
	5785	4.931	
	5825	2.773	
802.11n (HT20)	5745	5.514	
	5785	4.200	
	5825	3.586	
802.11ac (VHT20)	5745	1.550	
	5785	2.466	
	5825	3.254	
802.11n (HT40)	5755	-0.611	
	5795	0.451	
802.11ac(VHT40)	5755	0.143	
	5795	0.966	
802.11ac(VHT80)	5775	-2.608	
Result: PASS			
Remark: the Directional Gain=2.92dBi<6 dBi. So $P_{out} = P_{limit}$			
Test plots please refer to below pages:			

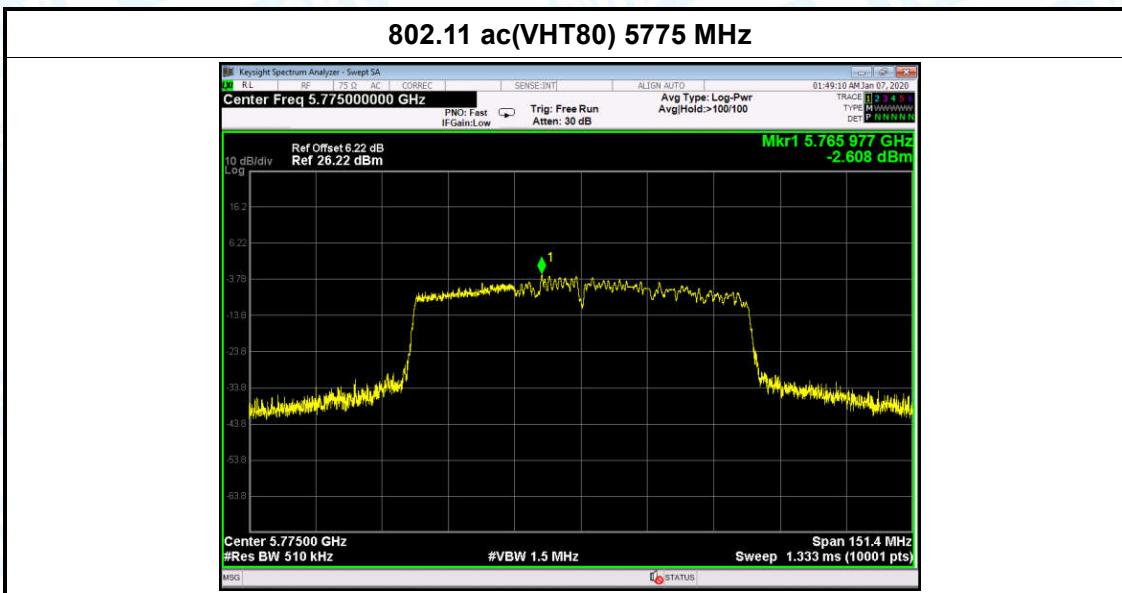
802.11 a 5745 MHz**802.11 a 5785 MHz****802.11 a 5825 MHz**

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	5180.0500
120	5180.0400
118	5180.0400
Limit Range (MHz)	5150-5250
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5180.0300
10	5180.0500
20	5180.0500
30	5180.0500
40	5180.0100
50	5180.0300
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	5280.0027
120	5280.0055
118	5280.0035
Limit Range (MHz)	5250-5350
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5280.0076
10	5280.0025
20	5280.0047
30	5280.0034
40	5280.0046
50	5280.0045
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	5499.9944
120	5499.9955
118	5499.9945
Limit Range (MHz)	5470-5725
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5499.9925
10	5499.9935
20	5499.9944
30	5499.9954
40	5499.9915
50	5499.9936
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	5745.0500
118	5744.0100
Limit Range (MHz)	5725-5850
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5745.0300
10	5745.0100
20	5745.0500
30	5745.0400
40	5745.0500
50	5745.0400
Limit Range (MHz)	5725-5850
Result	PASS

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