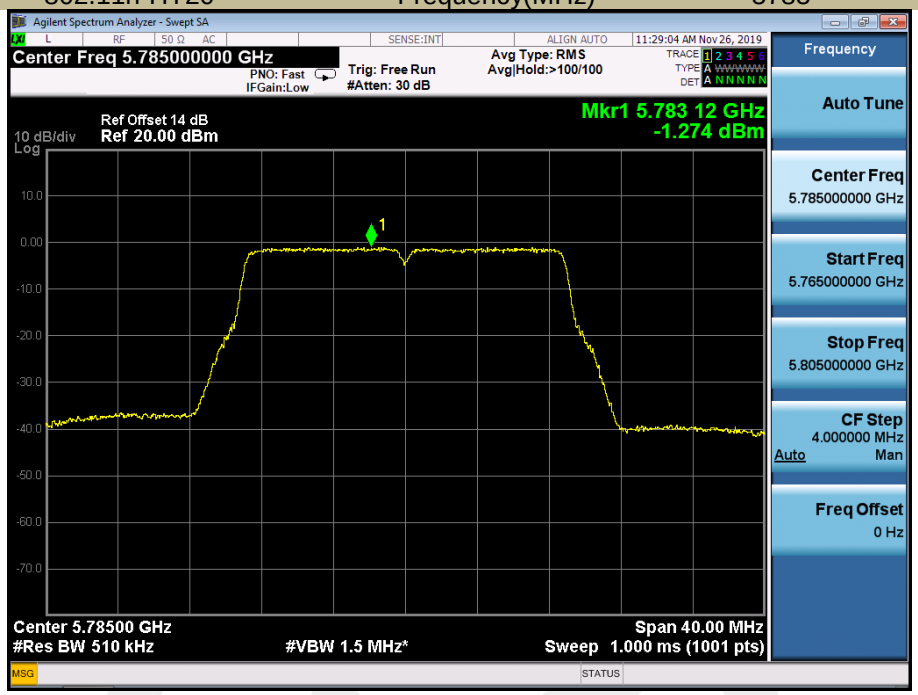
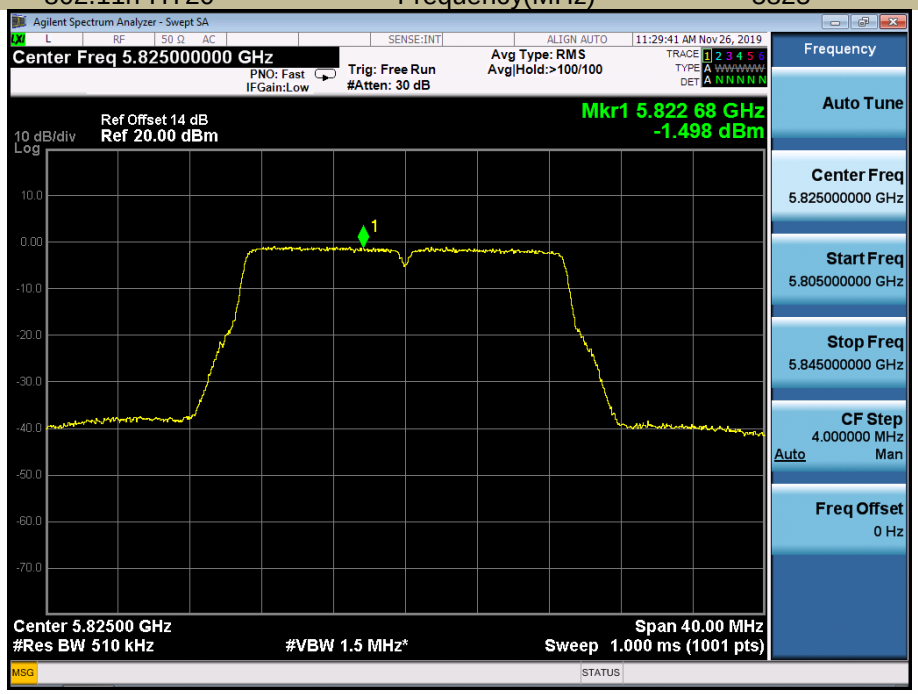
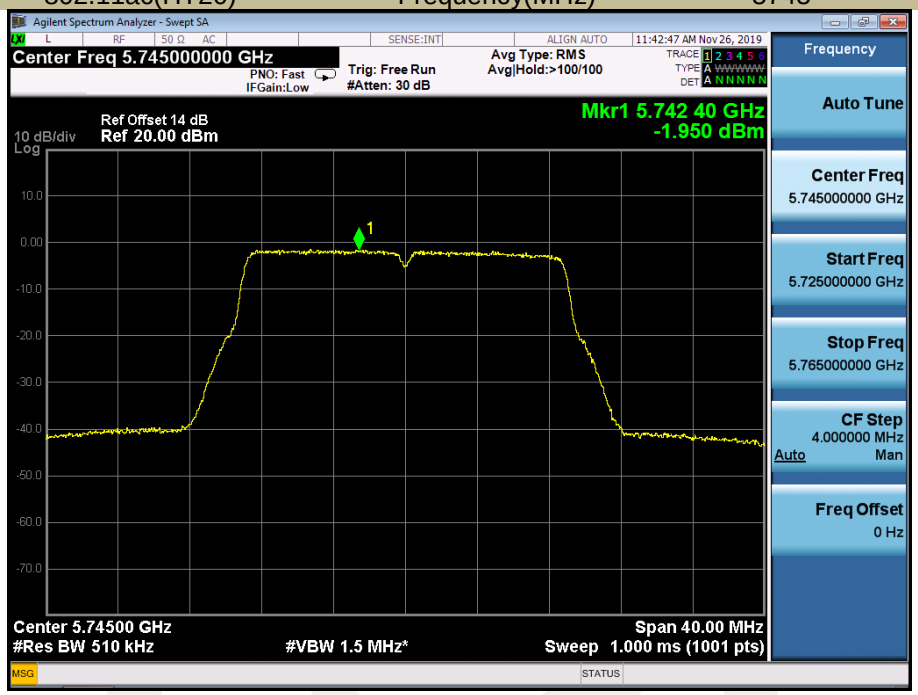
Power Spectral Density		U-NII - 3	
Test Model	802.11n-HT20	Frequency(MHz)	5785



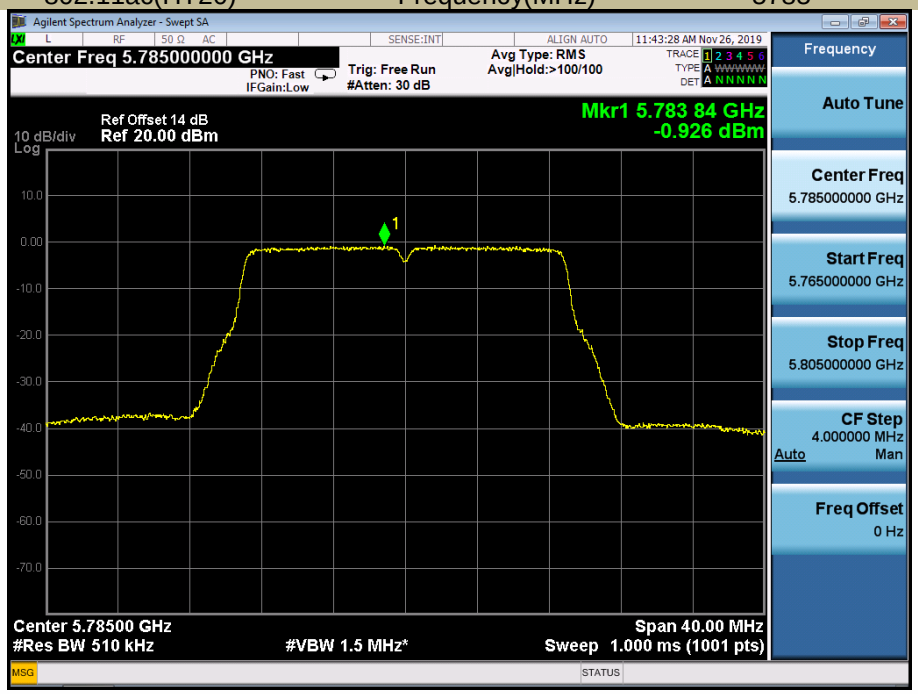
Power Spectral Density		U-NII - 3	
Test Model	802.11n-HT20	Frequency(MHz)	5825



Power Spectral Density		U-NII - 3	
Test Model	802.11ac(HT20)	Frequency(MHz)	5745

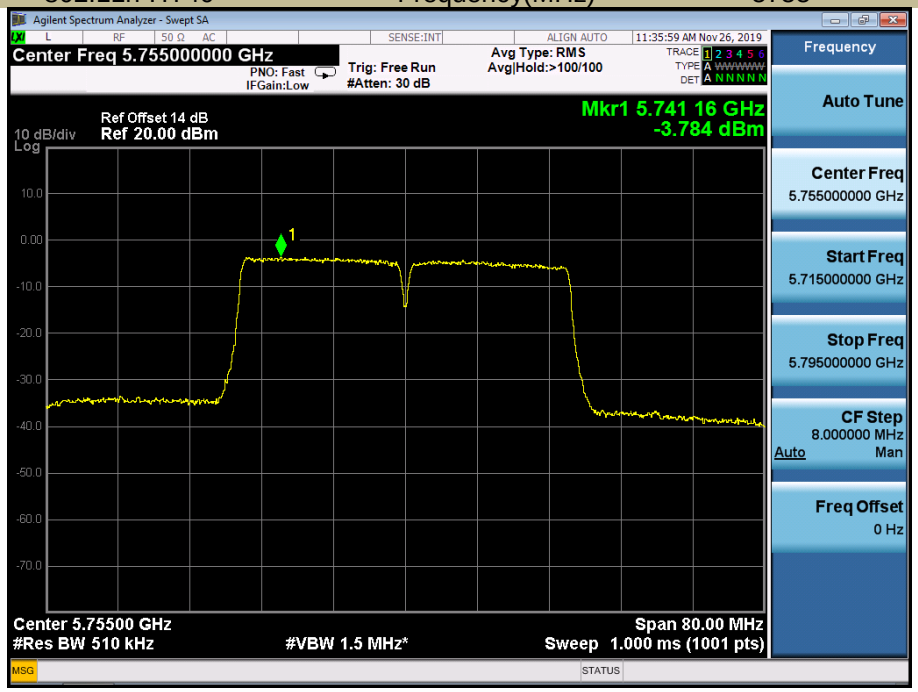


Power Spectral Density		U-NII - 3	
Test Model	802.11ac(HT20)	Frequency(MHz)	5785



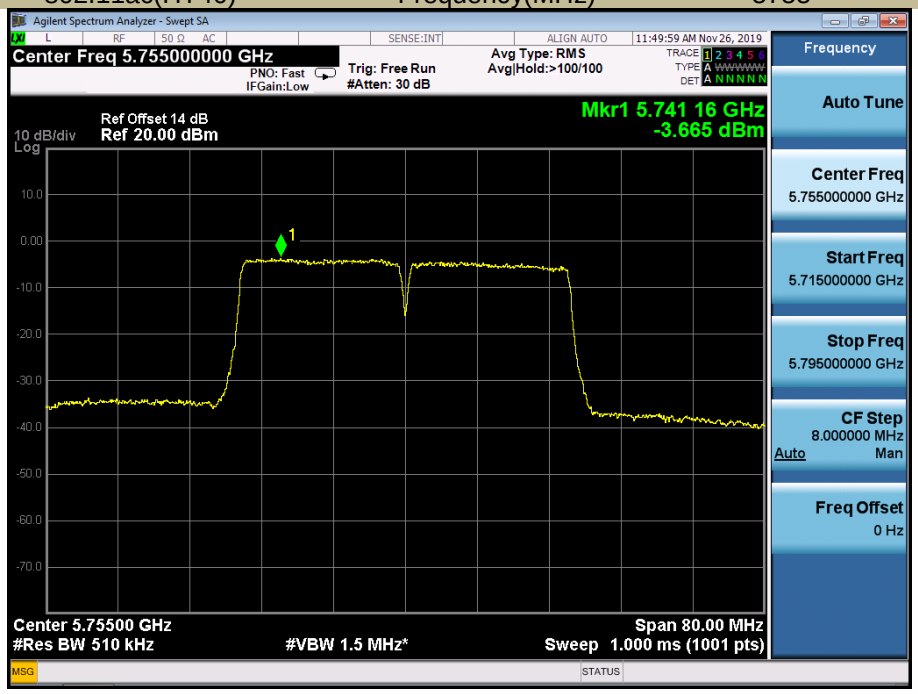
Power Spectral Density		U-NII - 3	
Test Model	802.11ac(HT20)	Frequency(MHz)	5825

Power Spectral Density		U-NII - 3	
Test Model	802.11n-HT40	Frequency(MHz)	5755

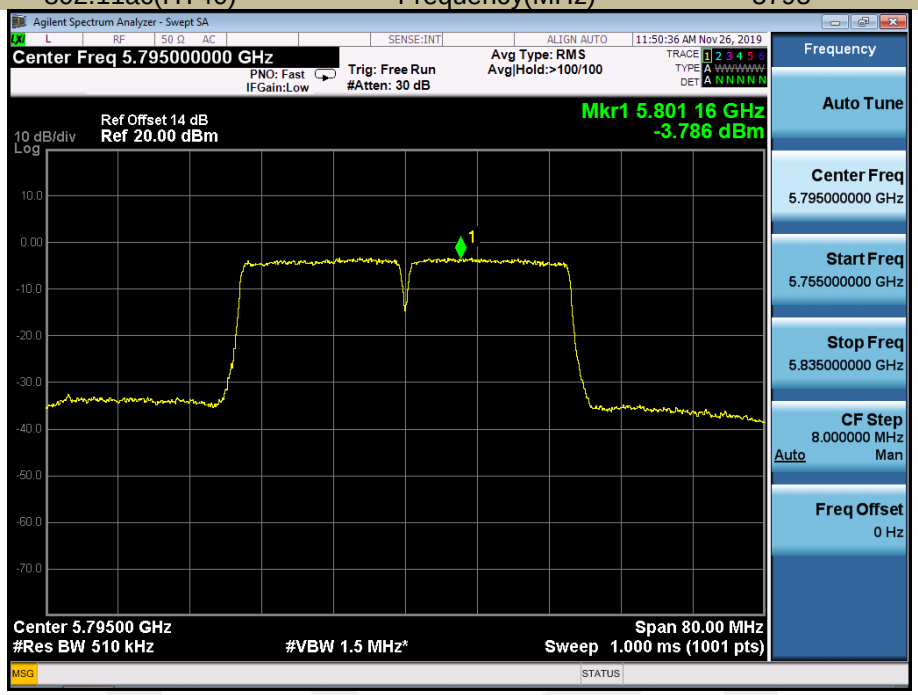


Power Spectral Density		U-NII - 3	
Test Model	802.11n-HT40	Frequency(MHz)	5795

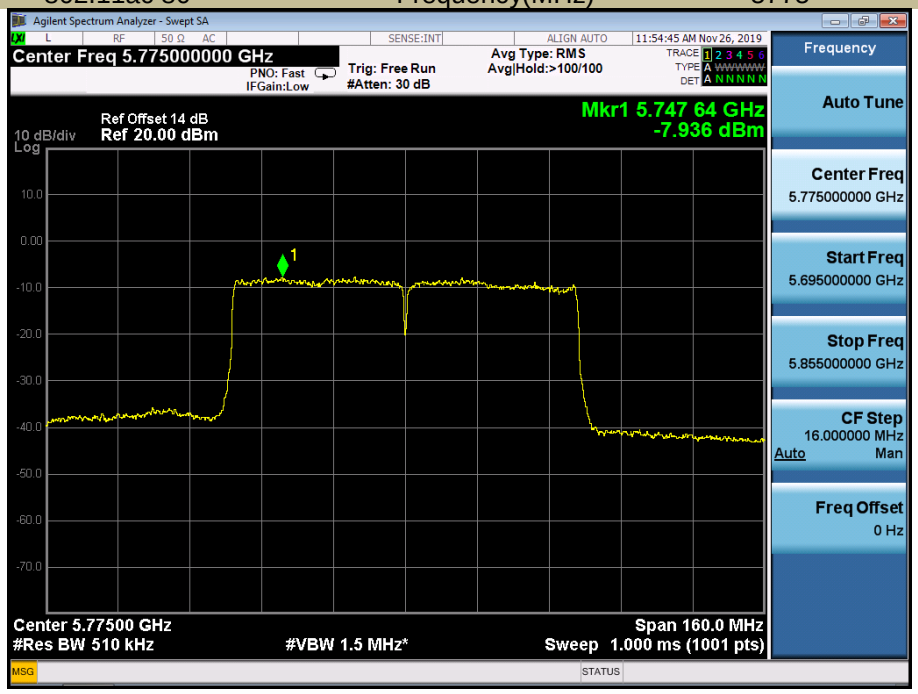
Power Spectral Density		U-NII - 3	
Test Model	802.11ac(HT40)	Frequency(MHz)	5755



Power Spectral Density		U-NII - 3	
Test Model	802.11ac(HT40)	Frequency(MHz)	5795



Power Spectral Density		U-NII - 3	
Test Model	802.11ac 80	Frequency(MHz)	5775

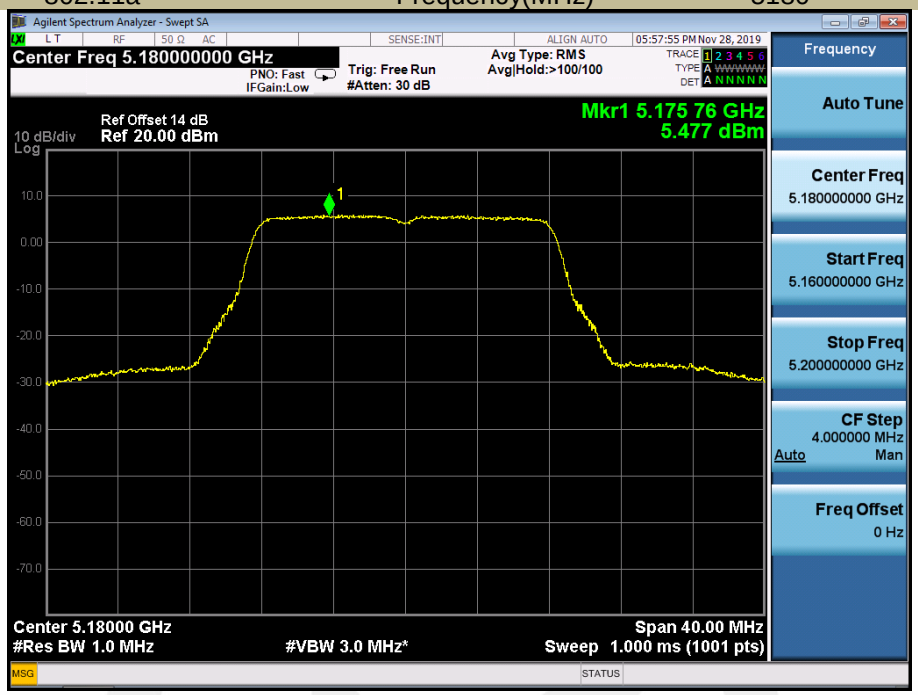


For 1T1R-Antenna 2

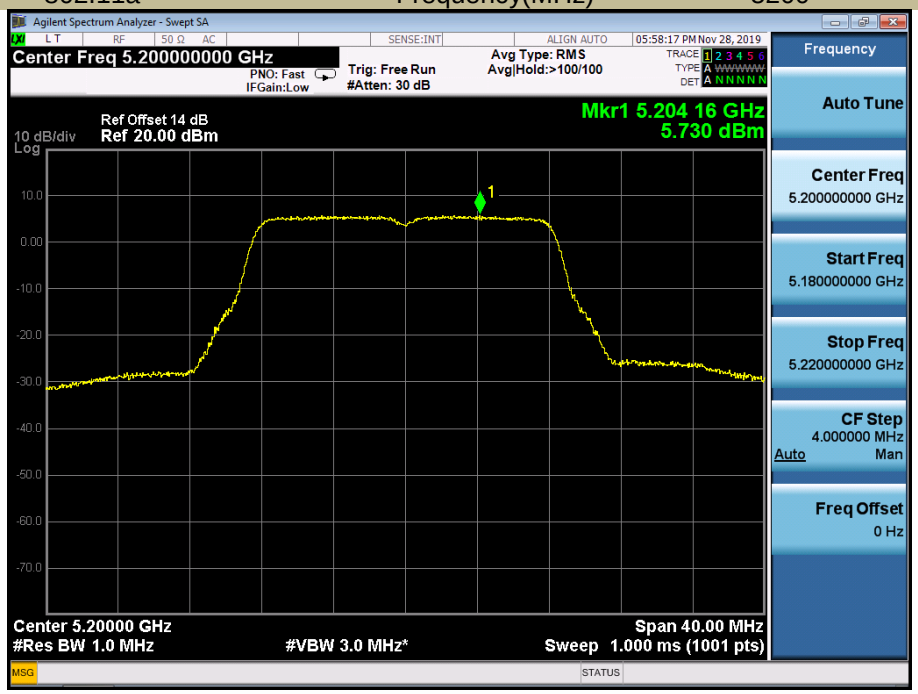
5150-5250MHz

Operating mode	Test Channel	Power Spectral Density dBm/MHz	Limit (dBm/MHz)
802.11a	5180	5.477	11
	5200	5.730	11
	5240	5.598	11
802.11n-HT20	5180	5.081	11
	5200	5.255	11
	5240	5.104	11
802.11ac(HT20)	5180	5.375	11
	5200	5.114	11
	5240	5.783	11
802.11n-HT40	5190	1.979	11
	5230	2.482	11
802.11ac(HT40)	5190	2.505	11
	5230	2.260	11
802.11ac(HT80)	5210	-2.504	11

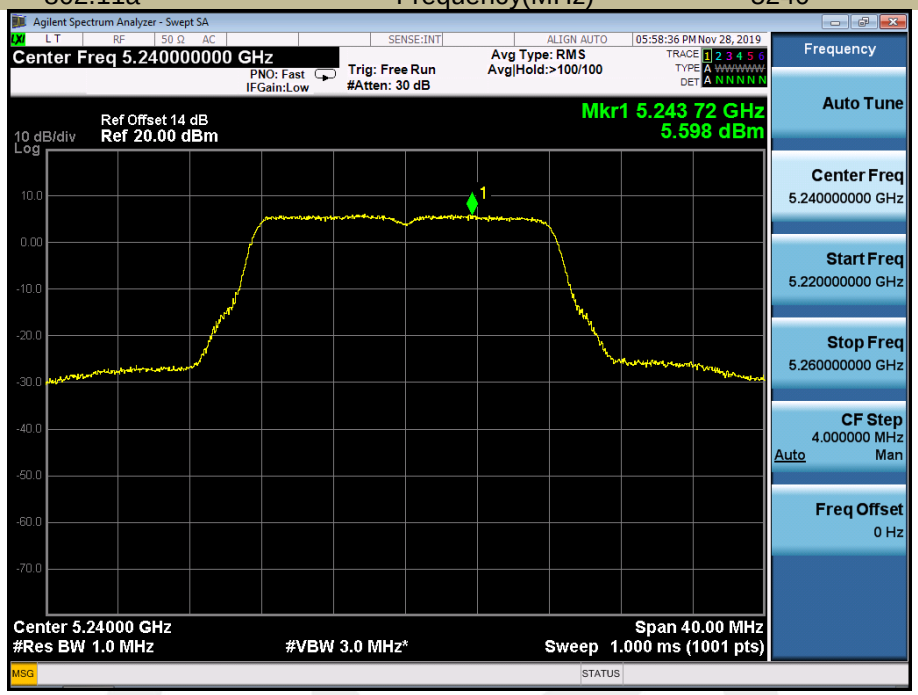
Power Spectral Density		U-NII - 1	
Test Model	802.11a	Frequency(MHz)	5180



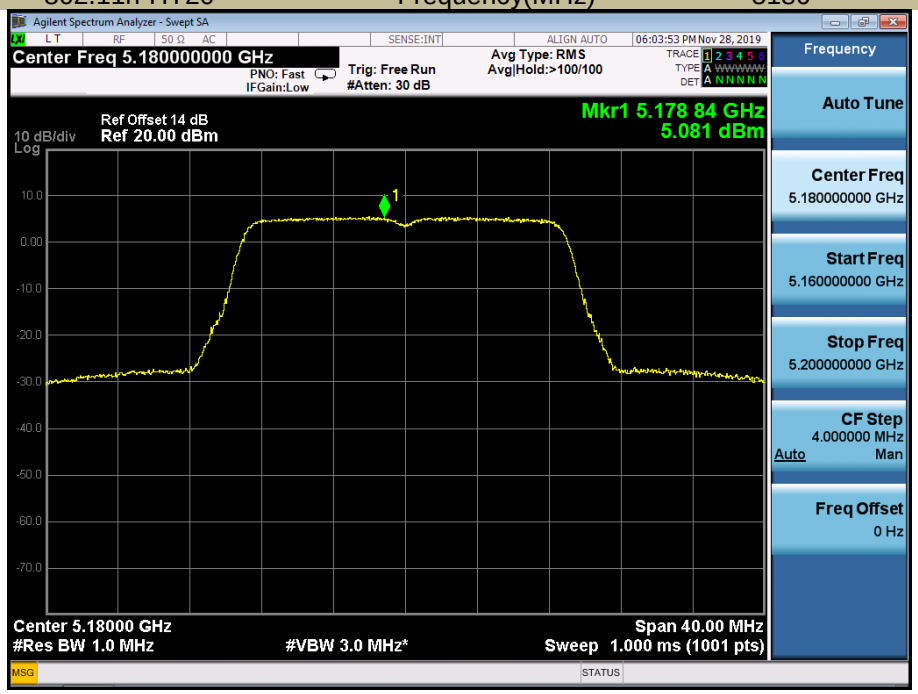
Power Spectral Density		U-NII - 1	
Test Model	802.11a	Frequency(MHz)	5200



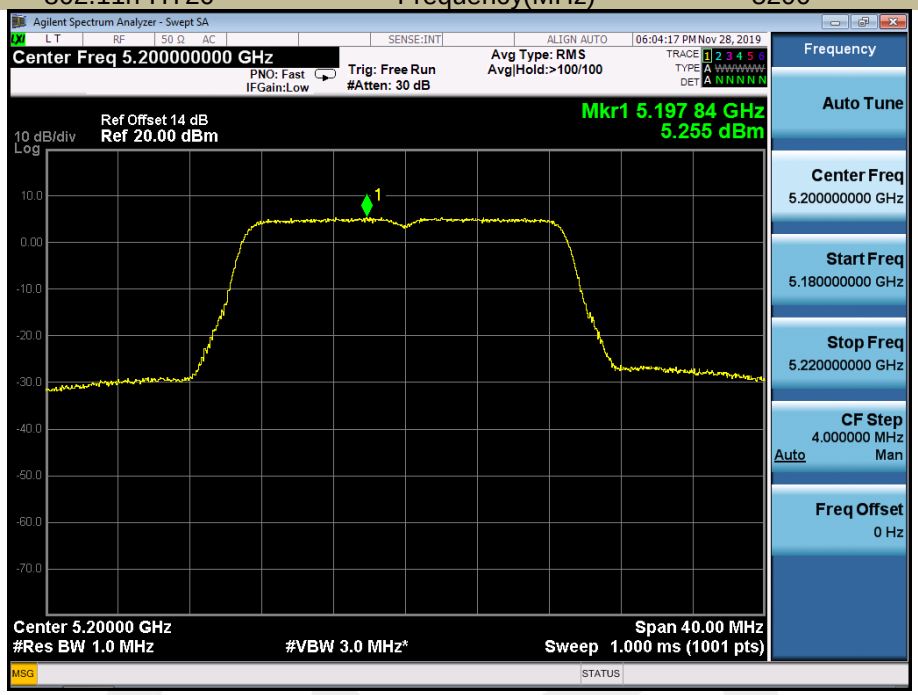
Power Spectral Density		U-NII - 1	
Test Model	802.11a	Frequency(MHz)	5240



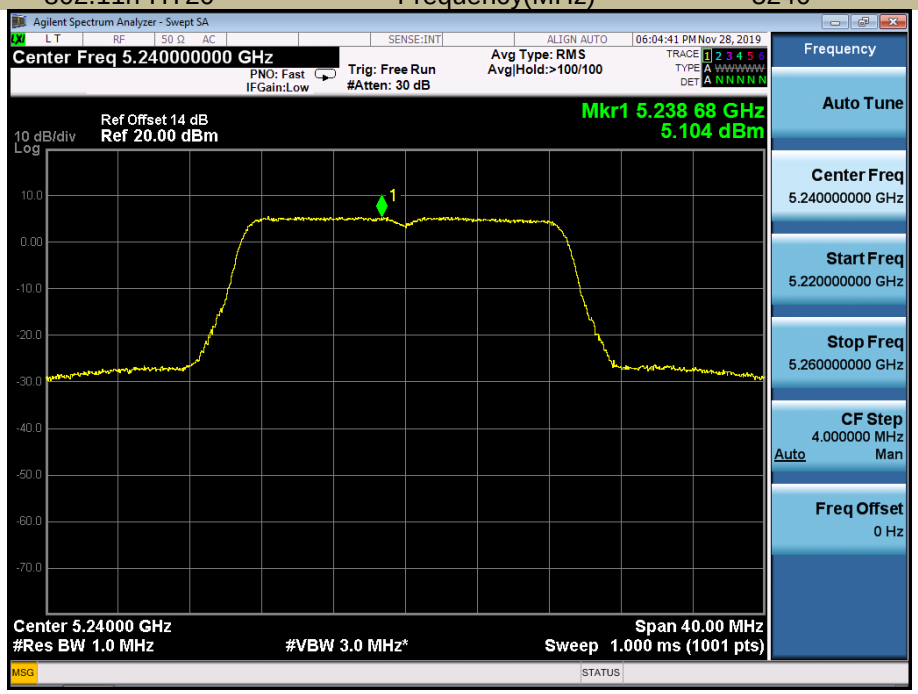
Power Spectral Density		U-NII - 1	
Test Model	802.11n-HT20	Frequency(MHz)	5180



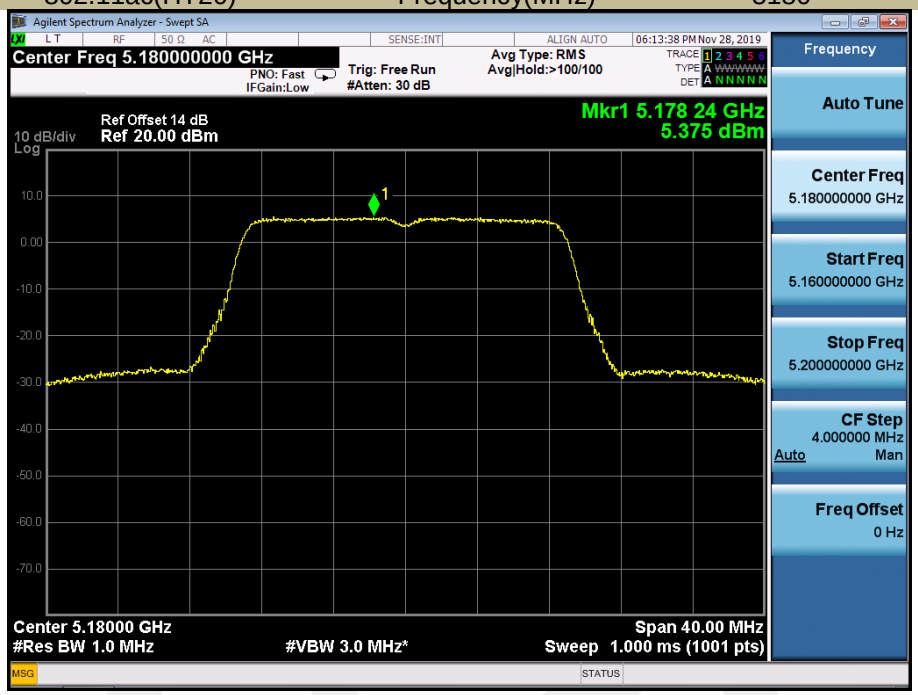
Power Spectral Density		U-NII - 1	
Test Model	802.11n-HT20	Frequency(MHz)	5200



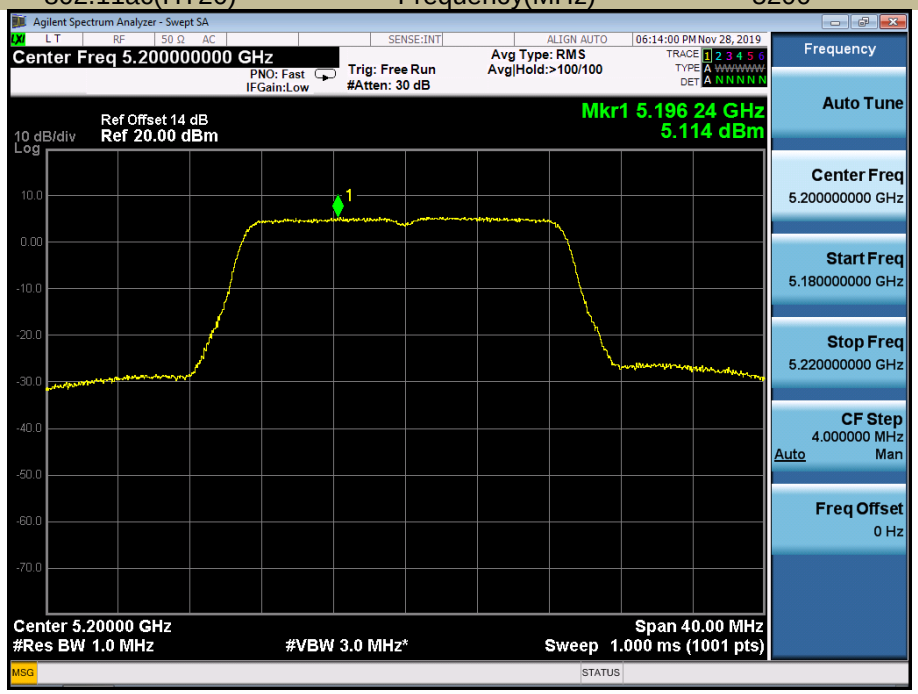
Power Spectral Density		U-NII - 1	
Test Model	802.11n-HT20	Frequency(MHz)	5240



Power Spectral Density		U-NII - 1	
Test Model	802.11ac(HT20)	Frequency(MHz)	5180

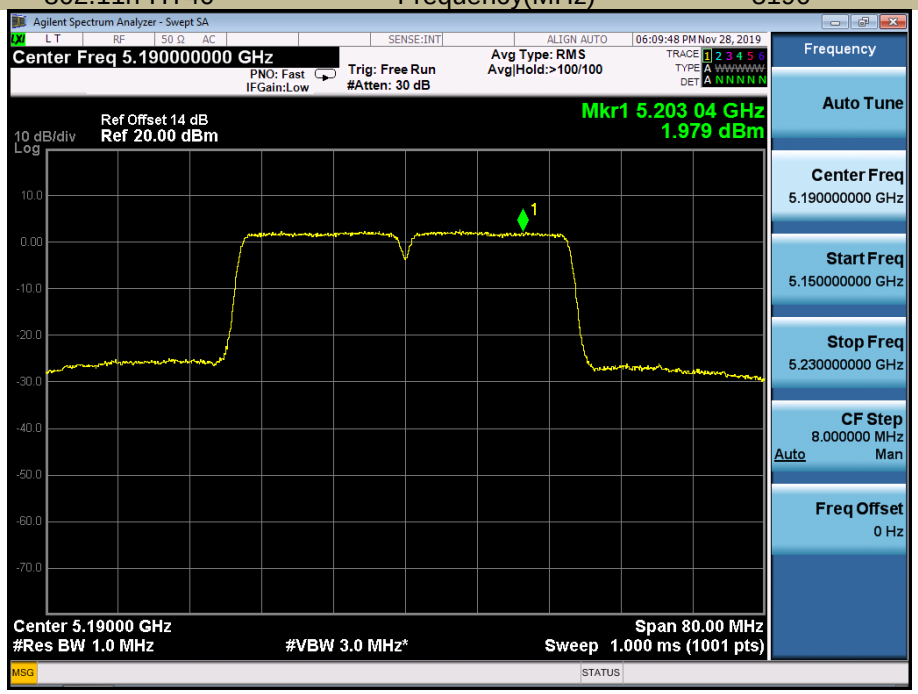


Power Spectral Density		U-NII - 1	
Test Model	802.11ac(HT20)	Frequency(MHz)	5200

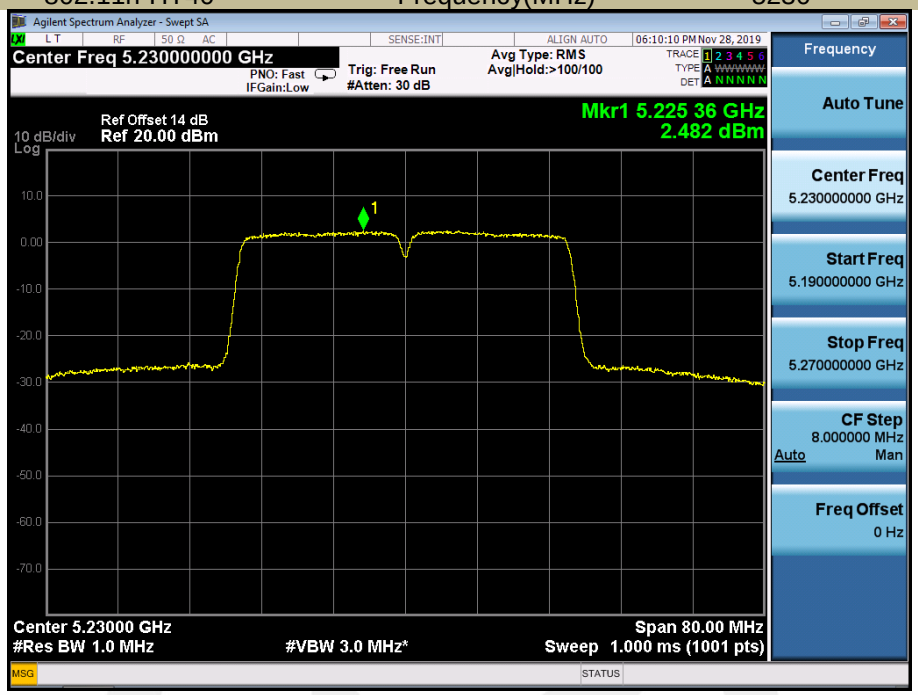


Power Spectral Density		U-NII - 1	
Test Model	802.11ac(HT20)	Frequency(MHz)	5240

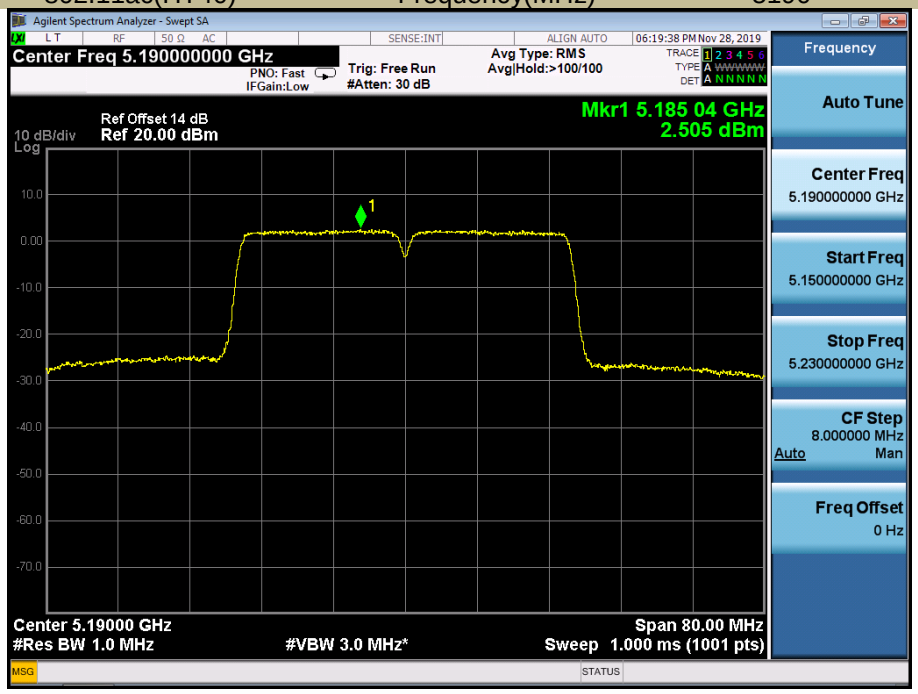
Power Spectral Density		U-NII - 1	
Test Model	802.11n-HT40	Frequency(MHz)	5190



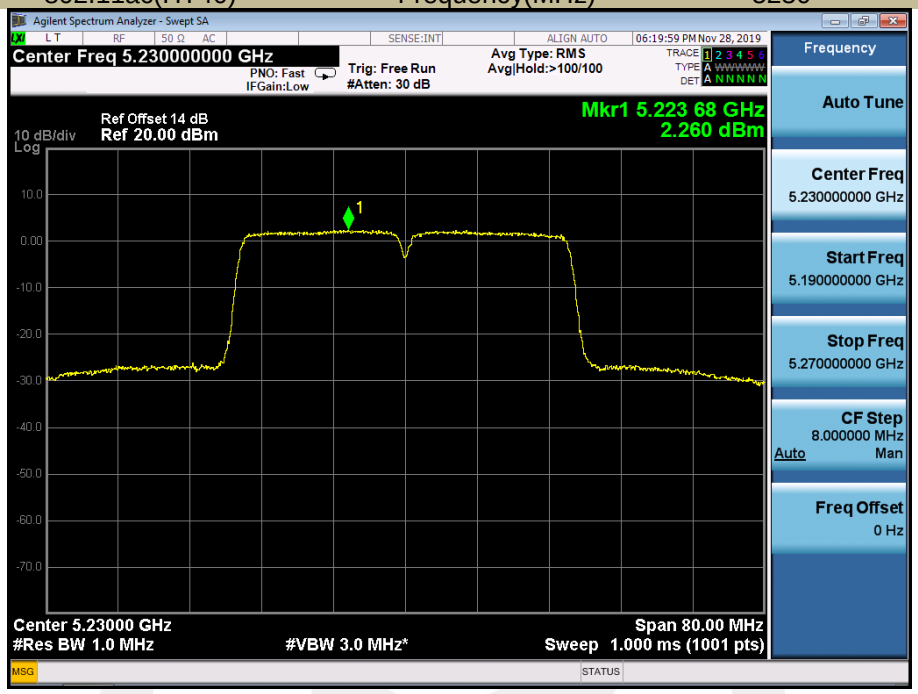
Power Spectral Density		U-NII - 1	
Test Model	802.11n-HT40	Frequency(MHz)	5230



Power Spectral Density		U-NII - 1	
Test Model	802.11ac(HT40)	Frequency(MHz)	5190



Power Spectral Density		U-NII - 1	
Test Model	802.11ac(HT40)	Frequency(MHz)	5230



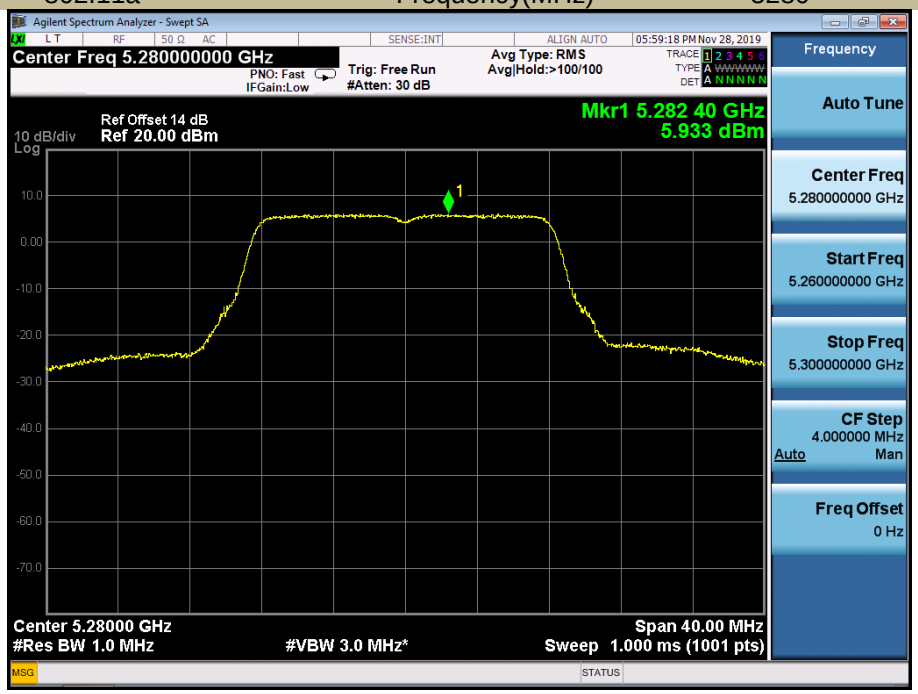
Power Spectral Density		U-NII - 1	
Test Model	802.11ac 80	Frequency(MHz)	5210

5250-5350MHz

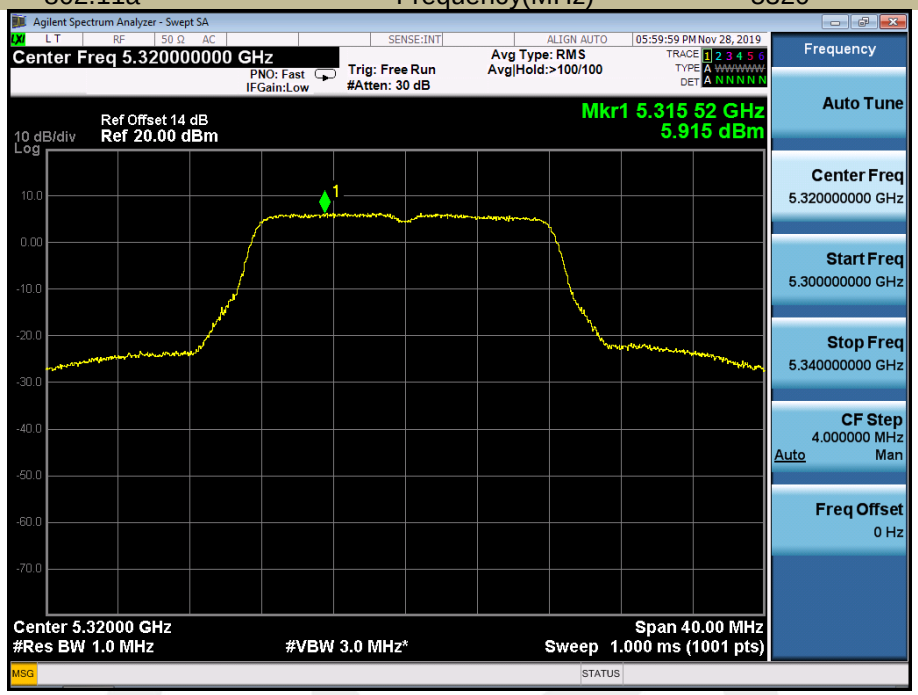
Operating mode	Test Channel	Power Spectral Density dBm/MHz	Limit (dBm/MHz)
802.11a	5260	6.109	11
	5280	5.933	11
	5320	5.915	11
802.11n-HT20	5260	5.939	11
	5280	5.834	11
	5320	5.901	11
802.11ac(HT20)	5260	6.193	11
	5280	5.549	11
	5320	5.524	11
802.11n-HT40	5270	2.870	11
	5310	3.251	11
802.11ac(HT40)	5270	2.814	11
	5310	3.068	11
802.11ac(HT80)	5290	-1.495	11

Power Spectral Density		U-NII – 2A	
Test Model	802.11a	Frequency(MHz)	5260

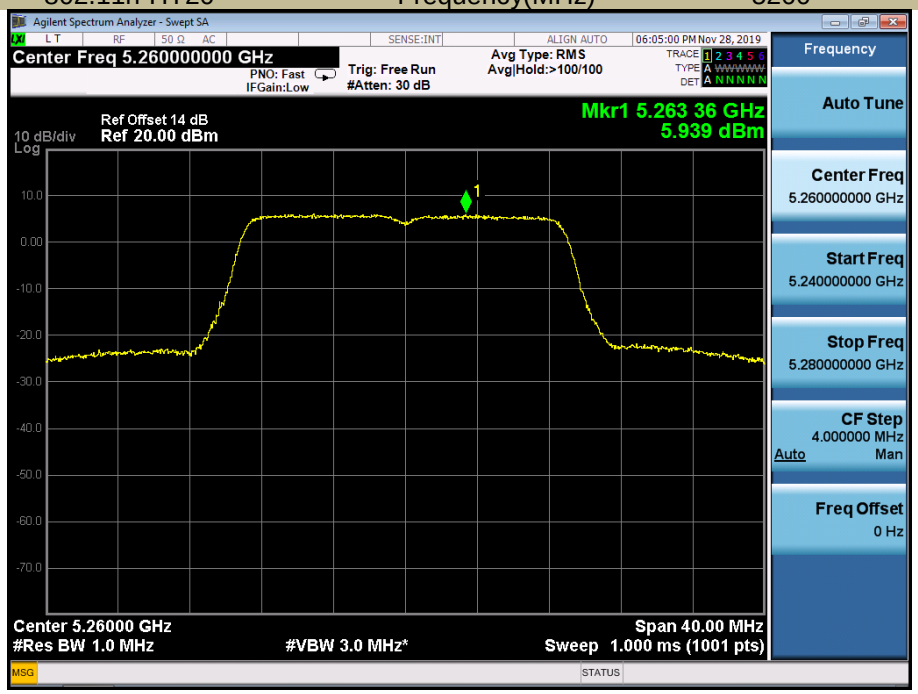
Power Spectral Density		U-NII – 2A	
Test Model	802.11a	Frequency(MHz)	5280



Power Spectral Density		U-NII – 2A	
Test Model	802.11a	Frequency(MHz)	5320

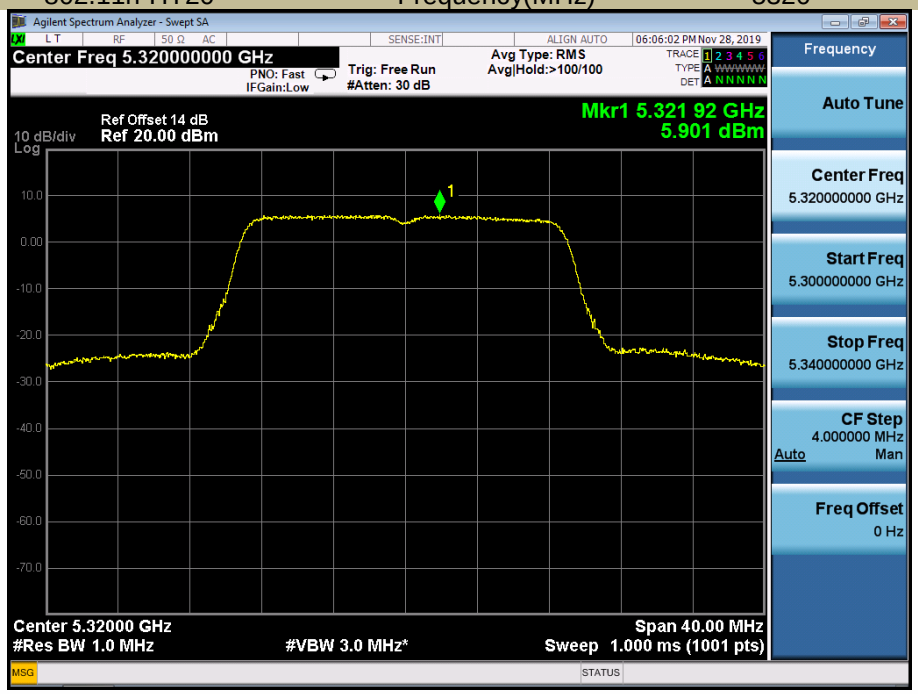


Power Spectral Density		U-NII – 2A	
Test Model	802.11n-HT20	Frequency(MHz)	5260

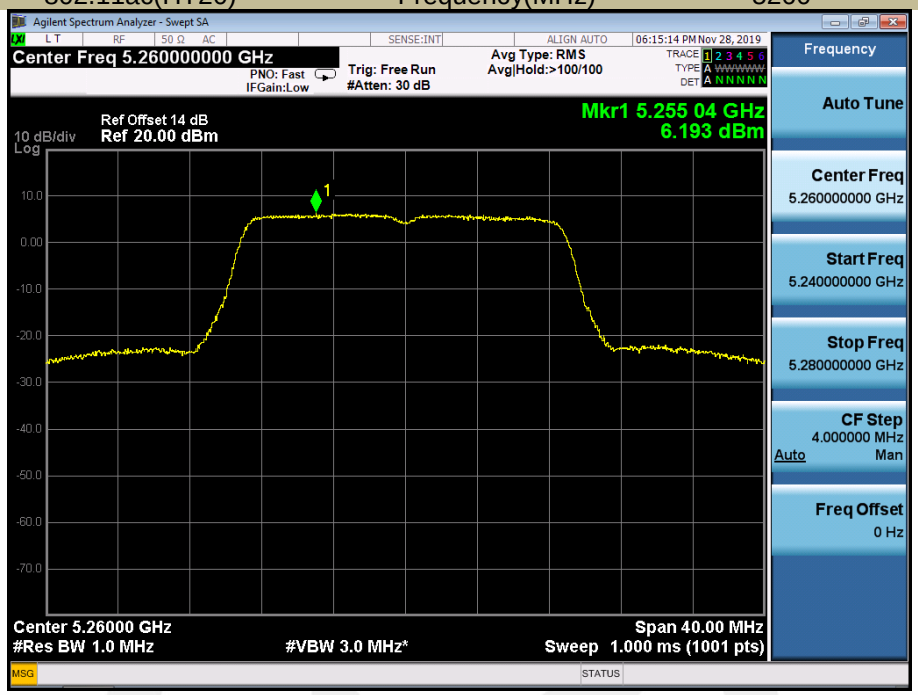


Power Spectral Density		U-NII – 2A	
Test Model	802.11n-HT20	Frequency(MHz)	5280

Power Spectral Density		U-NII – 2A	
Test Model	802.11n-HT20	Frequency(MHz)	5320

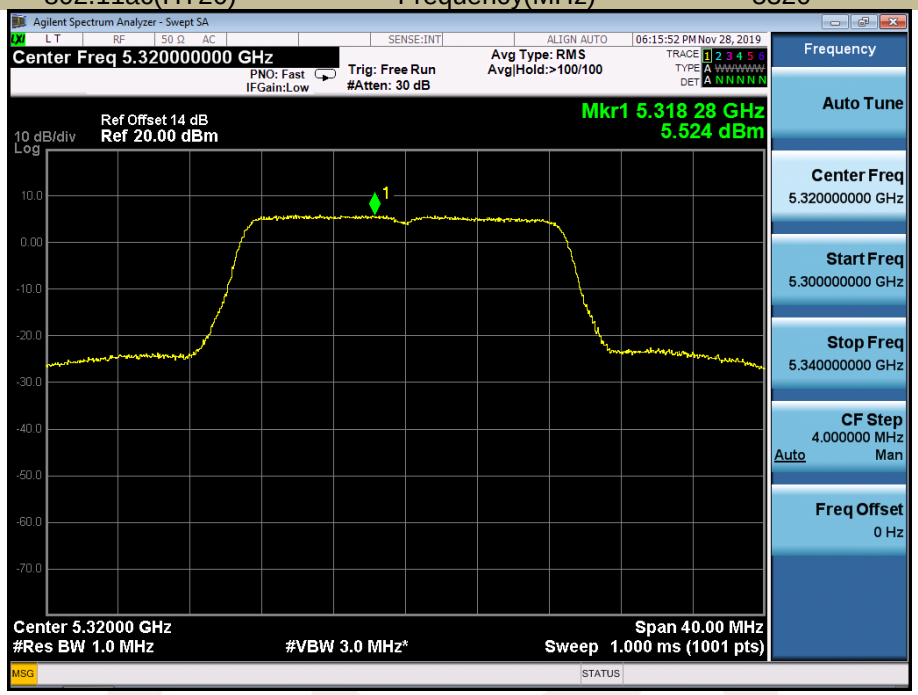


Power Spectral Density		U-NII – 2A	
Test Model	802.11ac(HT20)	Frequency(MHz)	5260

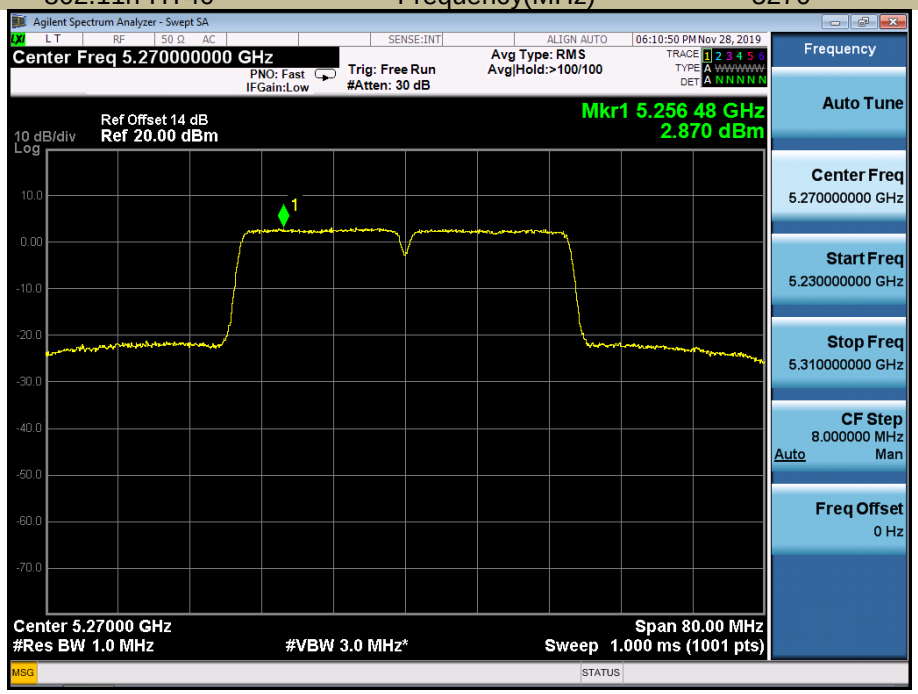


Power Spectral Density		U-NII – 2A	
Test Model	802.11ac(HT20)	Frequency(MHz)	5280

Power Spectral Density		U-NII – 2A	
Test Model	802.11ac(HT20)	Frequency(MHz)	5320

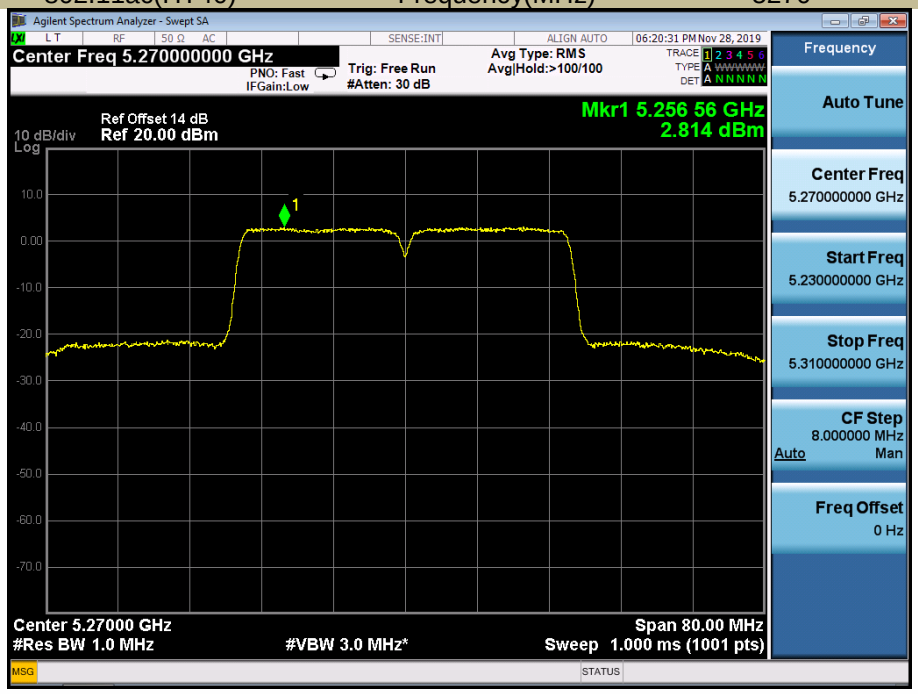


Power Spectral Density		U-NII – 2A	
Test Model	802.11n-HT40	Frequency(MHz)	5270

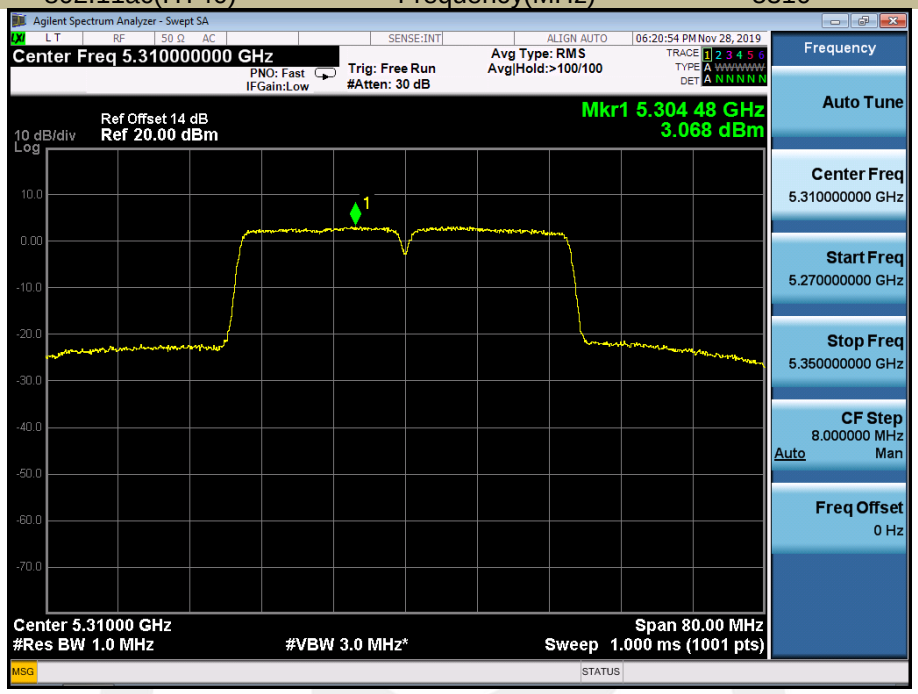


Power Spectral Density		U-NII – 2A	
Test Model	802.11n-HT40	Frequency(MHz)	5310

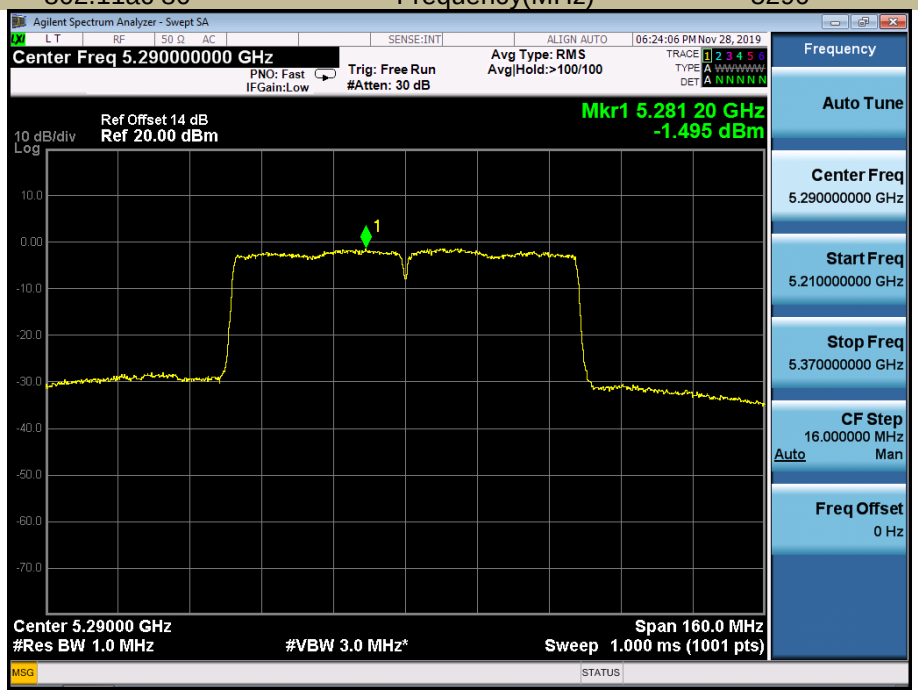
Power Spectral Density		U-NII – 2A	
Test Model	802.11ac(HT40)	Frequency(MHz)	5270



Power Spectral Density		U-NII – 2A	
Test Model	802.11ac(HT40)	Frequency(MHz)	5310



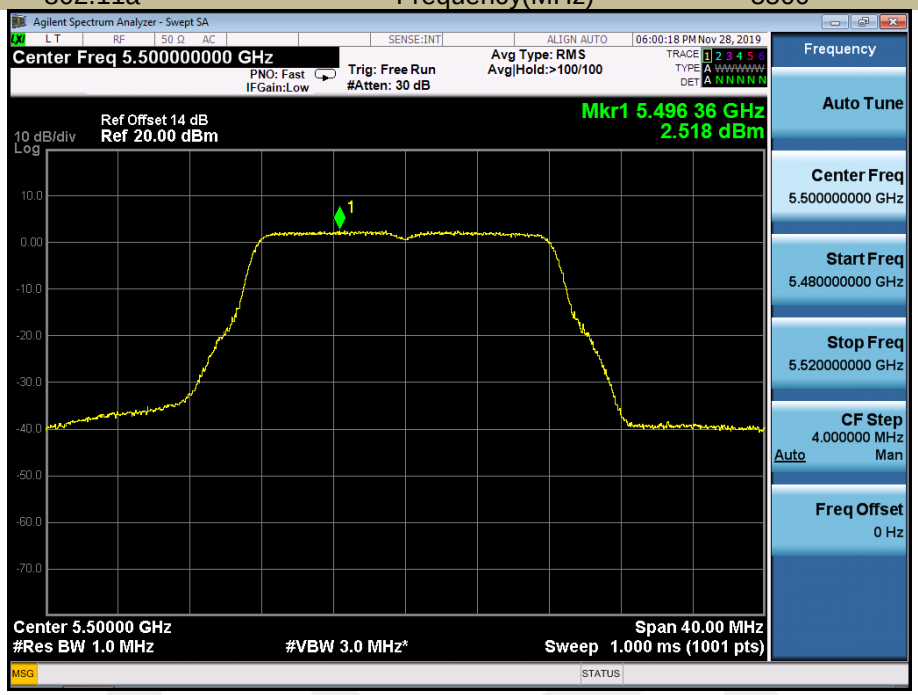
Power Spectral Density		U-NII – 2A	
Test Model	802.11ac 80	Frequency(MHz)	5290



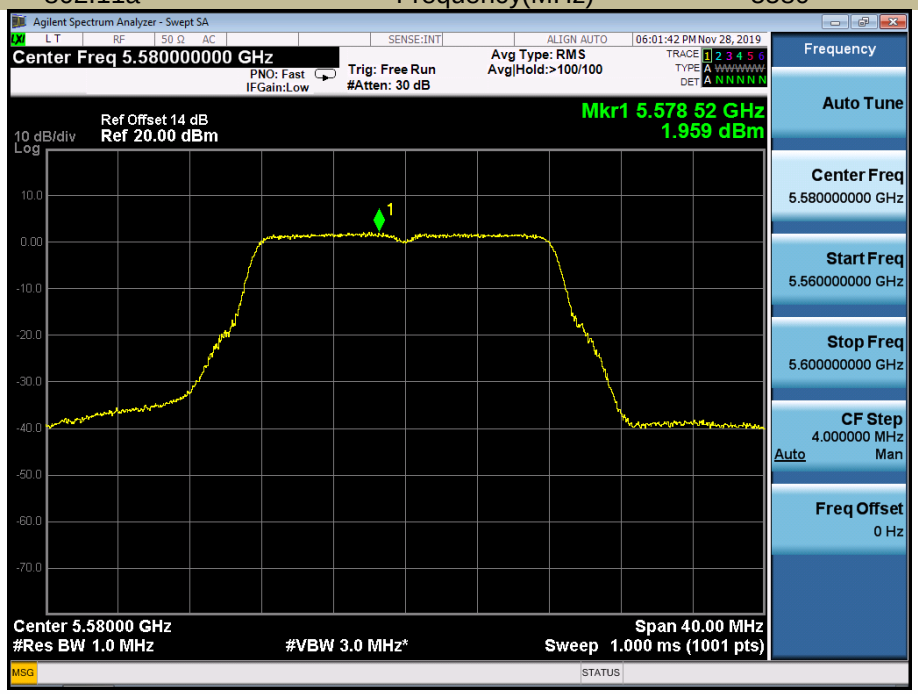
5470-5725MHz

Operating mode	Test Channel	Power Spectral Density dBm/MHz	Limit (dBm/MHz)
802.11a	5500	2.518	11
	5580	1.959	11
	5700	2.685	11
802.11n-HT20	5500	2.013	11
	5580	1.214	11
	5700	2.232	11
802.11ac(HT20)	5500	1.896	11
	5580	1.257	11
	5700	2.113	11
802.11n-HT40	5510	0.055	11
	5670	-0.107	11
802.11ac(HT40)	5510	0.068	11
	5670	-0.504	11
802.11ac(HT80)	5530	-6.119	11

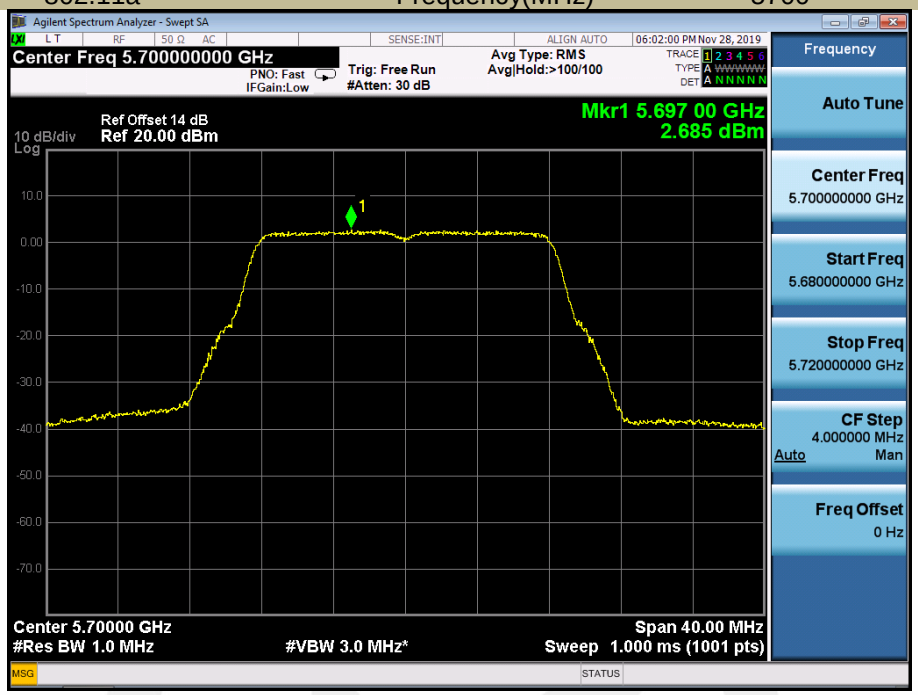
Power Spectral Density		U-NII – 2C	
Test Model	802.11a	Frequency(MHz)	5500



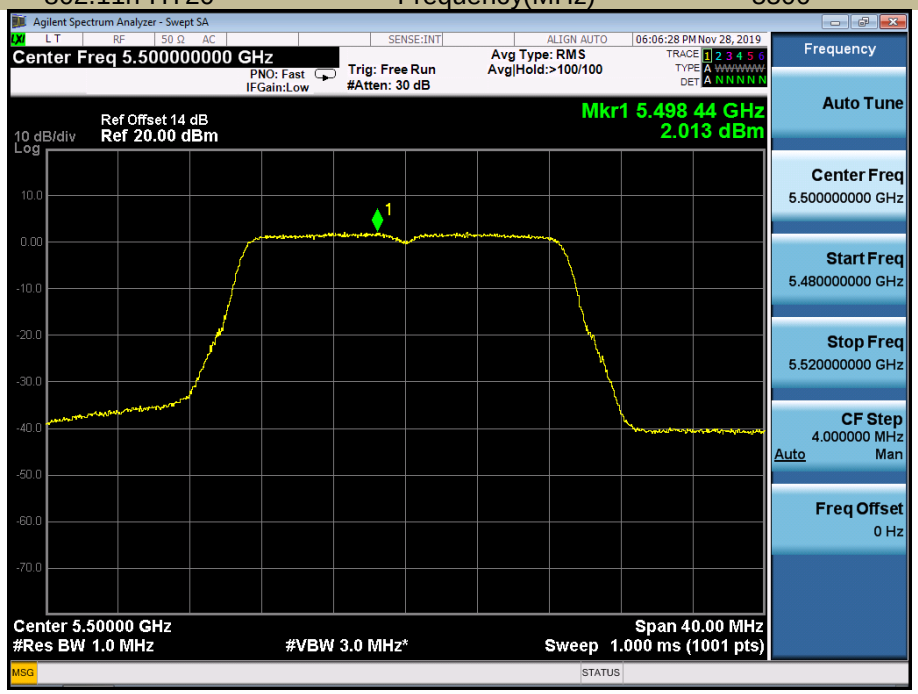
Power Spectral Density		U-NII – 2C	
Test Model	802.11a	Frequency(MHz)	5580



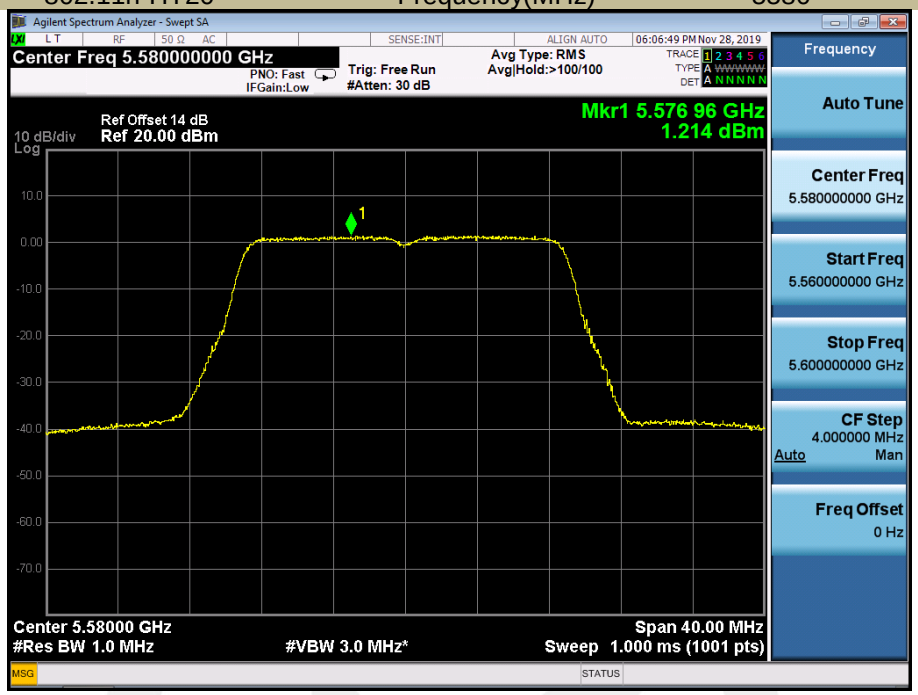
Power Spectral Density		U-NII – 2C	
Test Model	802.11a	Frequency(MHz)	5700



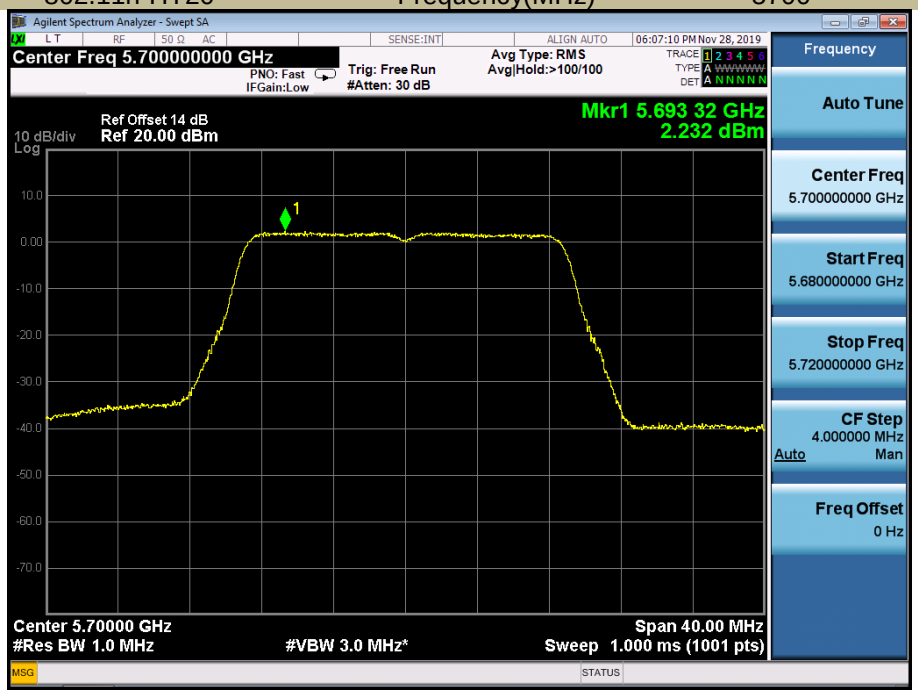
Power Spectral Density		U-NII – 2C	
Test Model	802.11n-HT20	Frequency(MHz)	5500



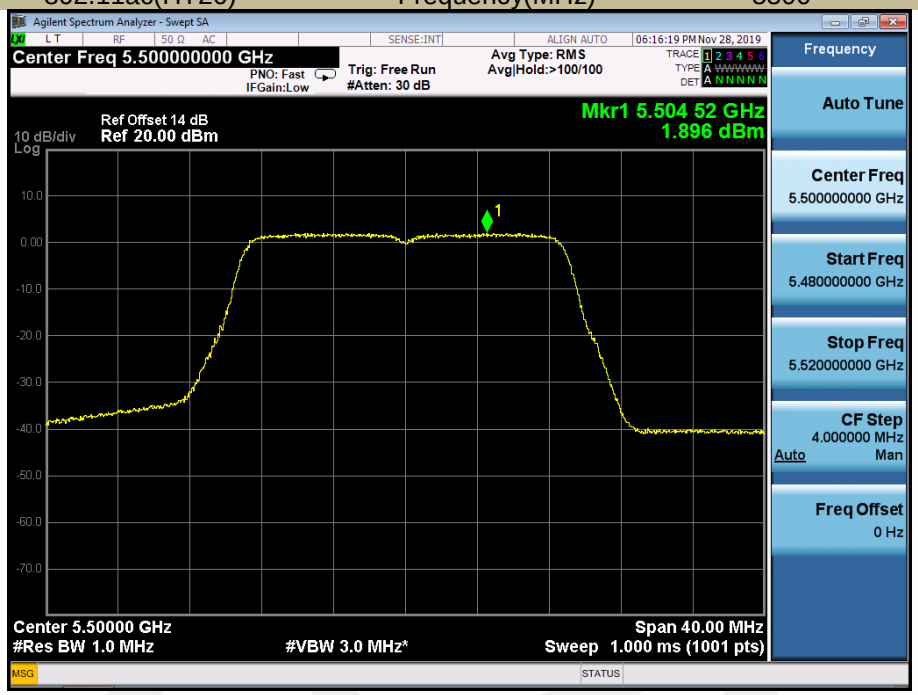
Power Spectral Density		U-NII – 2C	
Test Model	802.11n-HT20	Frequency(MHz)	5580



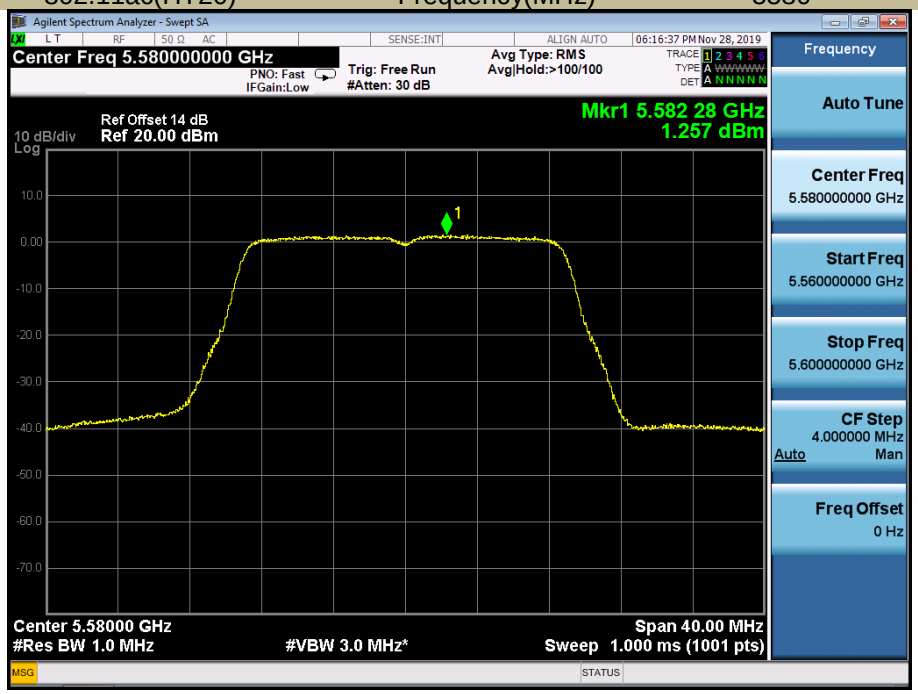
Power Spectral Density		U-NII – 2C	
Test Model	802.11n-HT20	Frequency(MHz)	5700



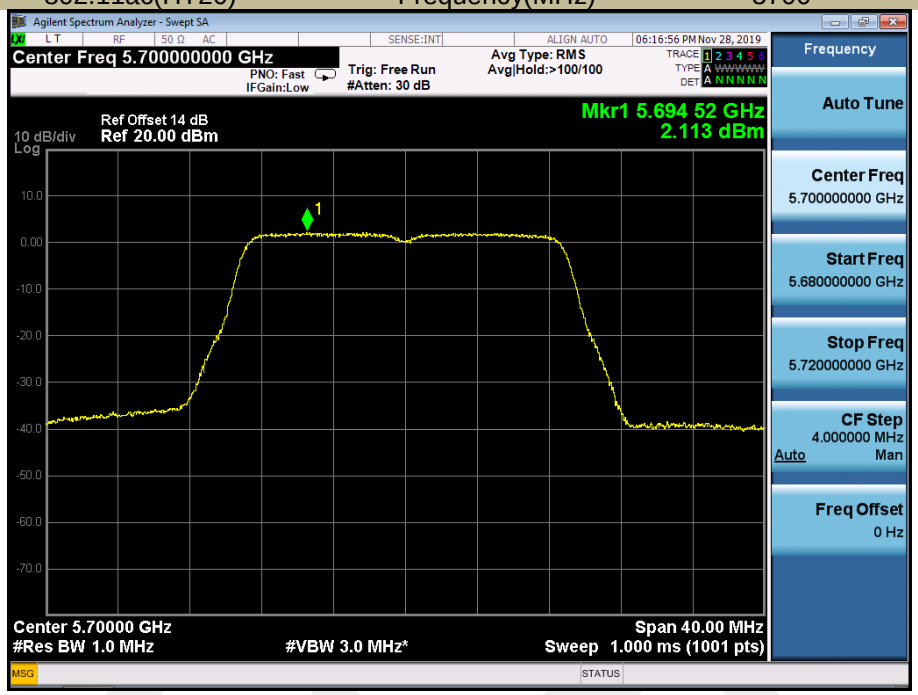
Power Spectral Density		U-NII – 2C	
Test Model	802.11ac(HT20)	Frequency(MHz)	5500



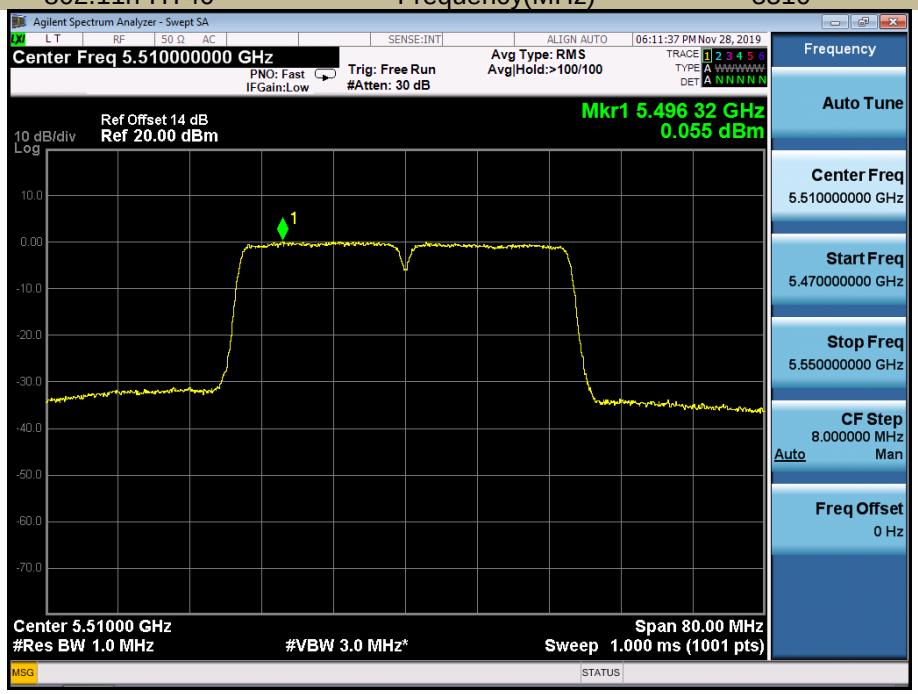
Power Spectral Density		U-NII – 2C	
Test Model	802.11ac(HT20)	Frequency(MHz)	5580



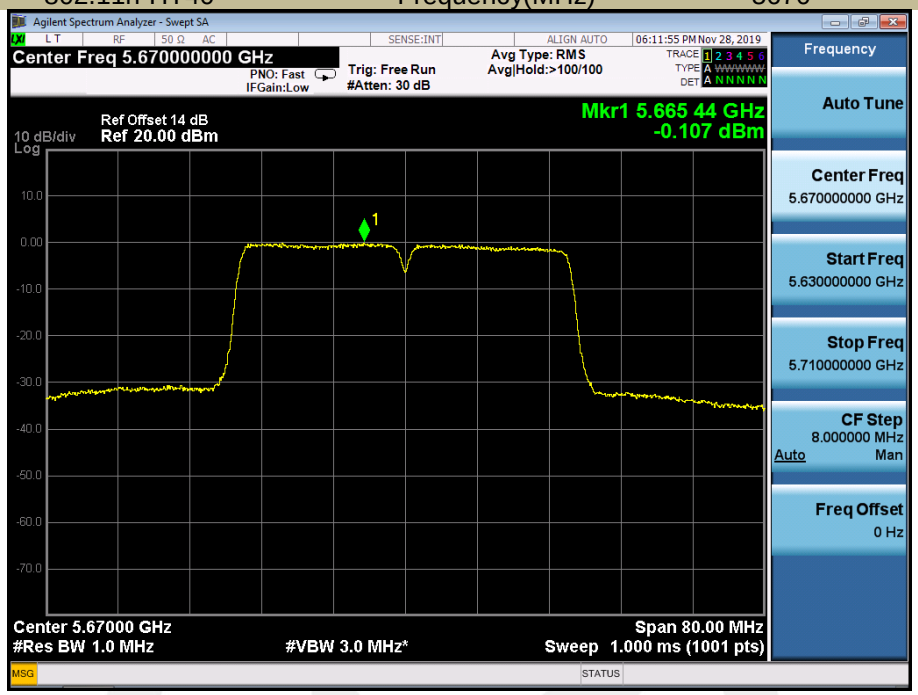
Power Spectral Density		U-NII – 2C	
Test Model	802.11ac(HT20)	Frequency(MHz)	5700



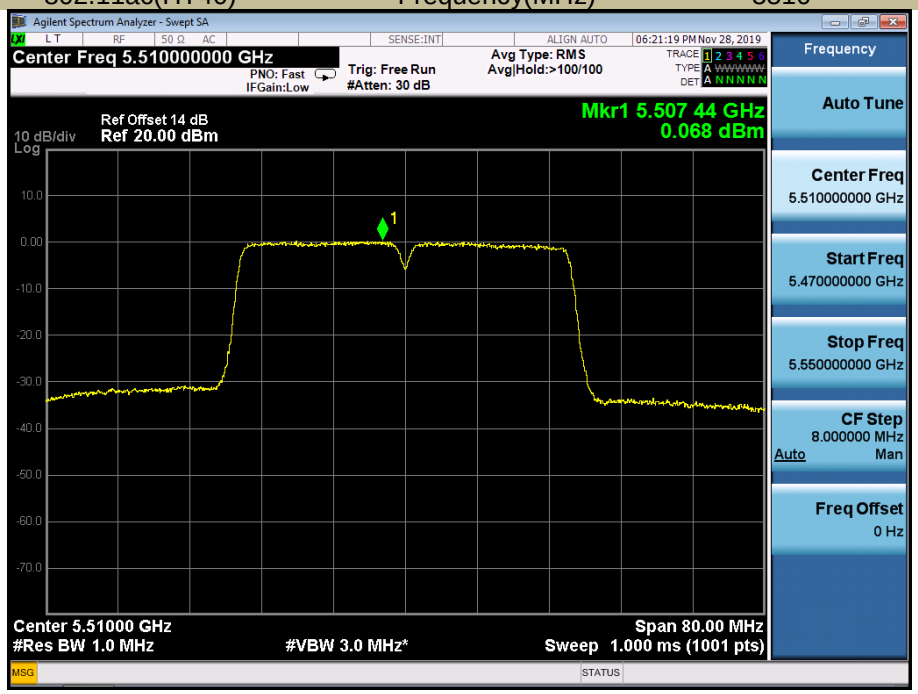
Power Spectral Density		U-NII – 2C	
Test Model	802.11n-HT40	Frequency(MHz)	5510



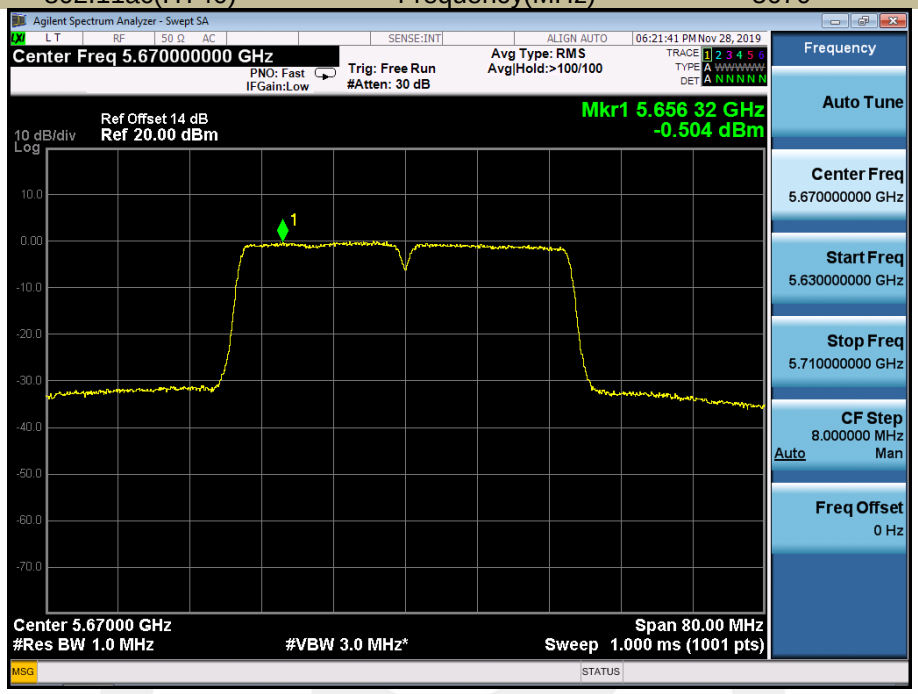
Power Spectral Density		U-NII – 2C	
Test Model	802.11n-HT40	Frequency(MHz)	5670



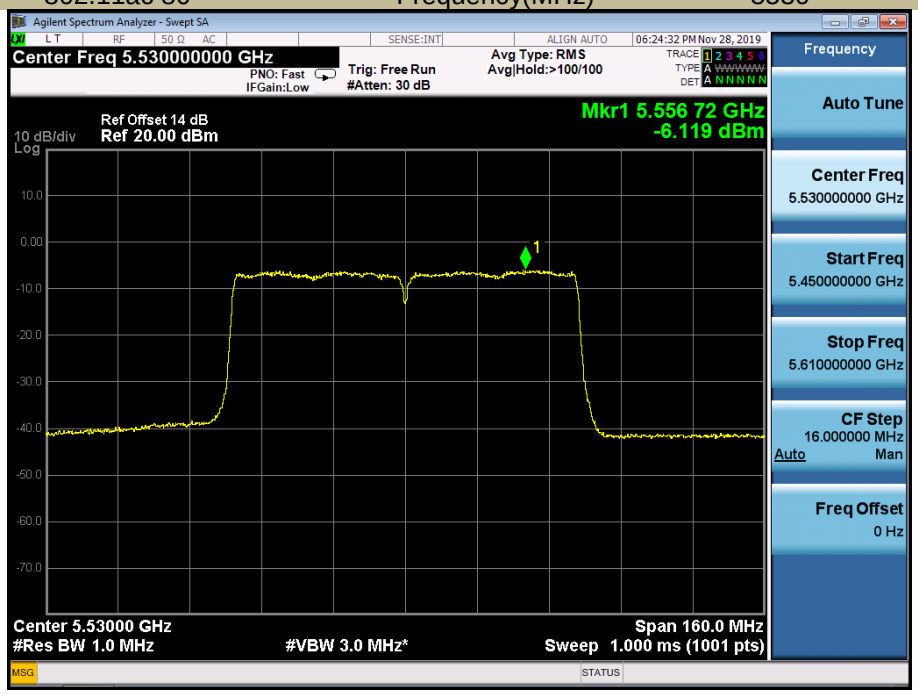
Power Spectral Density		U-NII – 2C	
Test Model	802.11ac(HT40)	Frequency(MHz)	5510



Power Spectral Density		U-NII – 2C	
Test Model	802.11ac(HT40)	Frequency(MHz)	5670



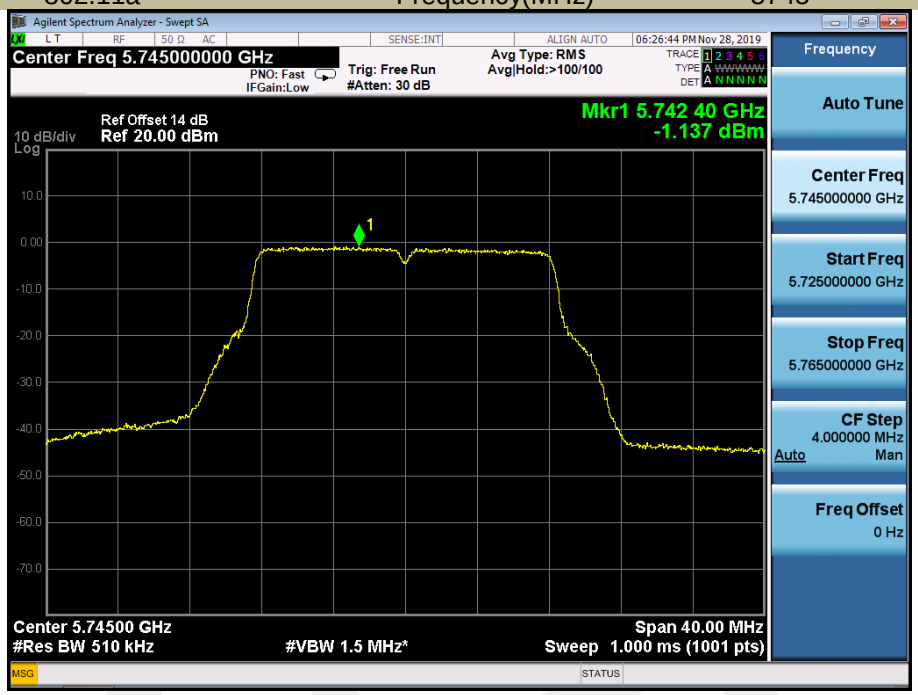
Power Spectral Density		U-NII – 2C	
Test Model	802.11ac 80	Frequency(MHz)	5530



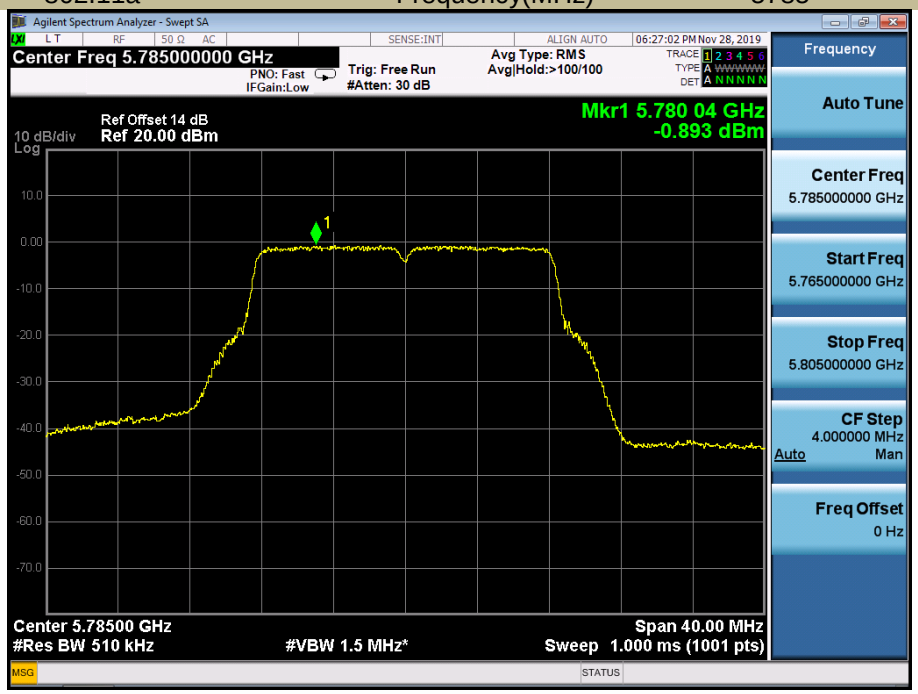
5725-5850MHz

Operating mode	Test Channel	Power Spectral Density dBm/MHz	Limit (dBm/MHz)
802.11a	5745	-1.137	30
	5785	-0.893	30
	5825	-0.804	30
802.11n-HT20	5745	-1.440	30
	5785	-1.034	30
	5825	-1.450	30
802.11ac(HT20)	5745	-1.181	30
	5785	-0.959	30
	5825	-1.276	30
802.11n-HT40	5755	-3.219	30
	5795	-3.617	30
802.11ac(HT40)	5755	-2.769	30
	5795	-3.439	30
802.11ac(HT80)	5775	-8.930	30

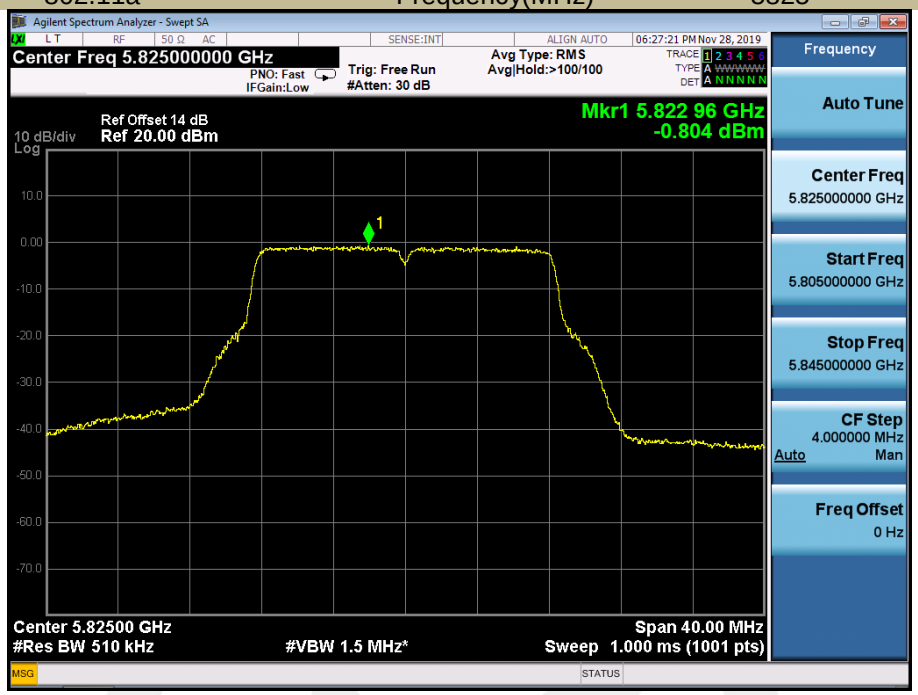
Power Spectral Density		U-NII - 3	
Test Model	802.11a	Frequency(MHz)	5745



Power Spectral Density		U-NII - 3	
Test Model	802.11a	Frequency(MHz)	5785

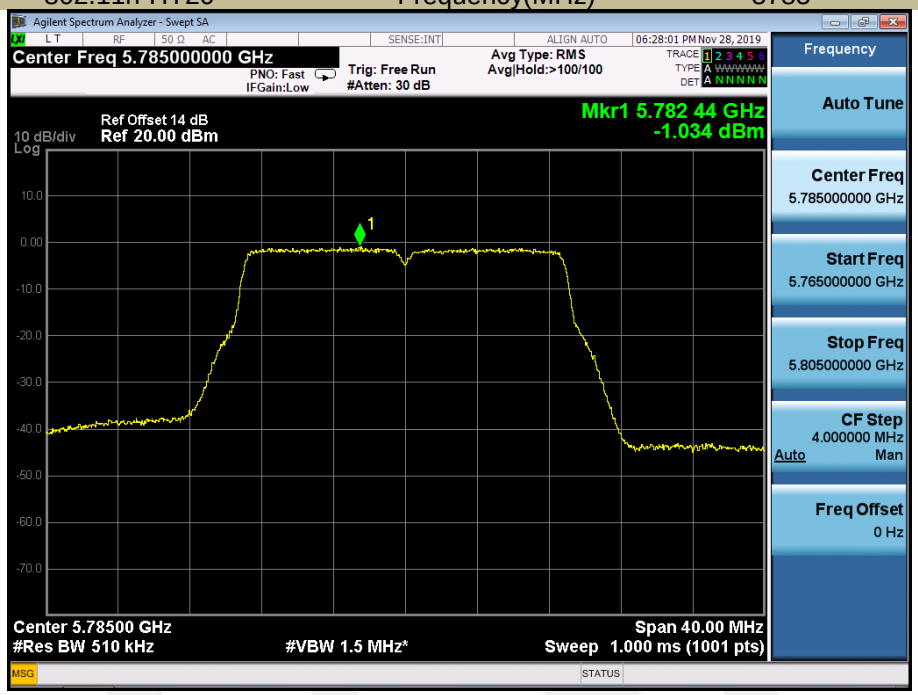


Power Spectral Density		U-NII - 3	
Test Model	802.11a	Frequency(MHz)	5825

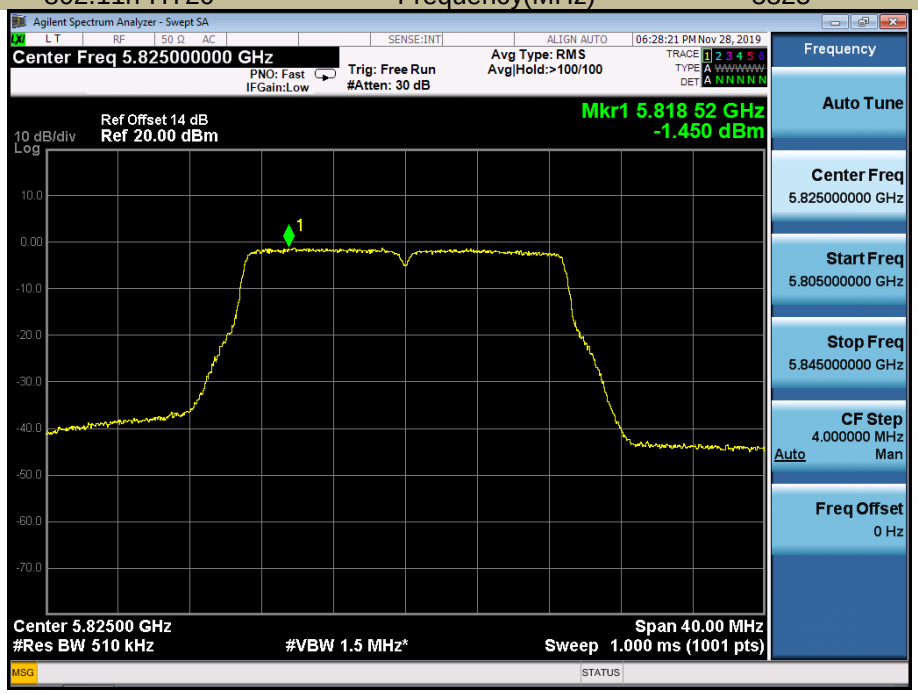


Power Spectral Density		U-NII - 3	
Test Model	802.11n-HT20	Frequency(MHz)	5745

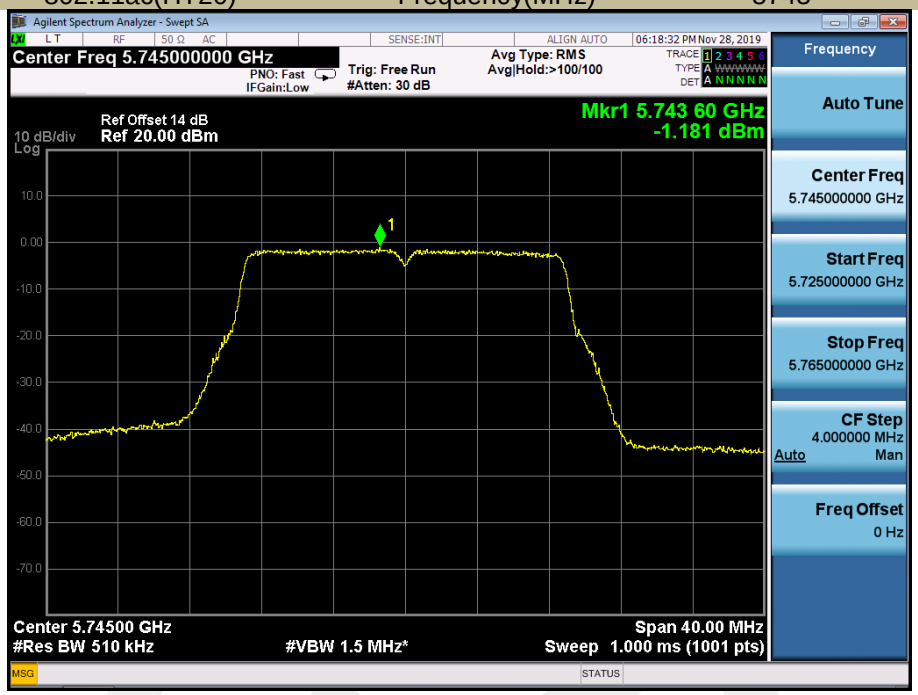
Power Spectral Density		U-NII - 3	
Test Model	802.11n-HT20	Frequency(MHz)	5785



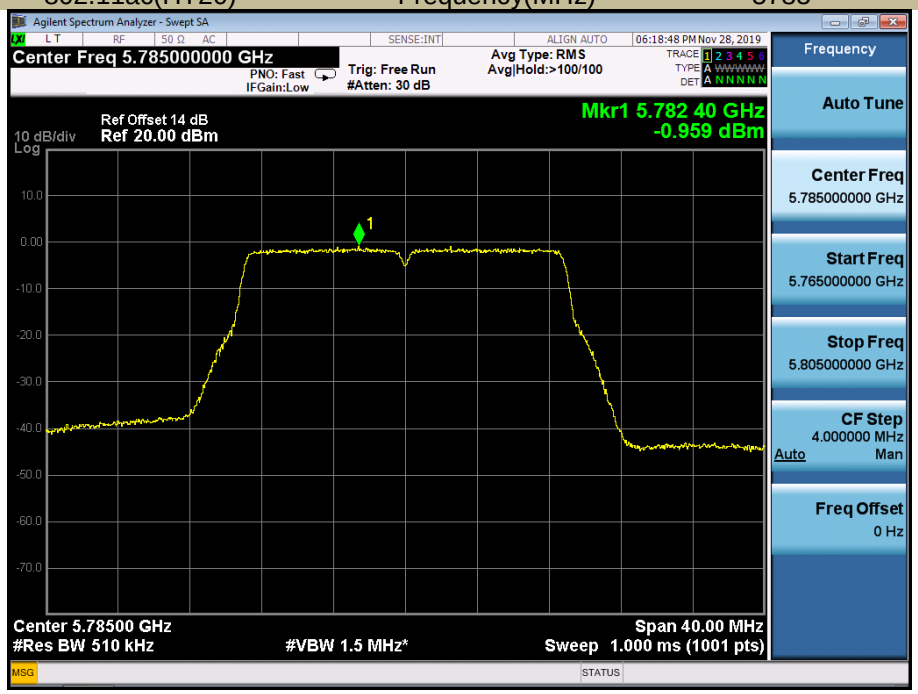
Power Spectral Density		U-NII - 3	
Test Model	802.11n-HT20	Frequency(MHz)	5825



Power Spectral Density		U-NII - 3	
Test Model	802.11ac(HT20)	Frequency(MHz)	5745

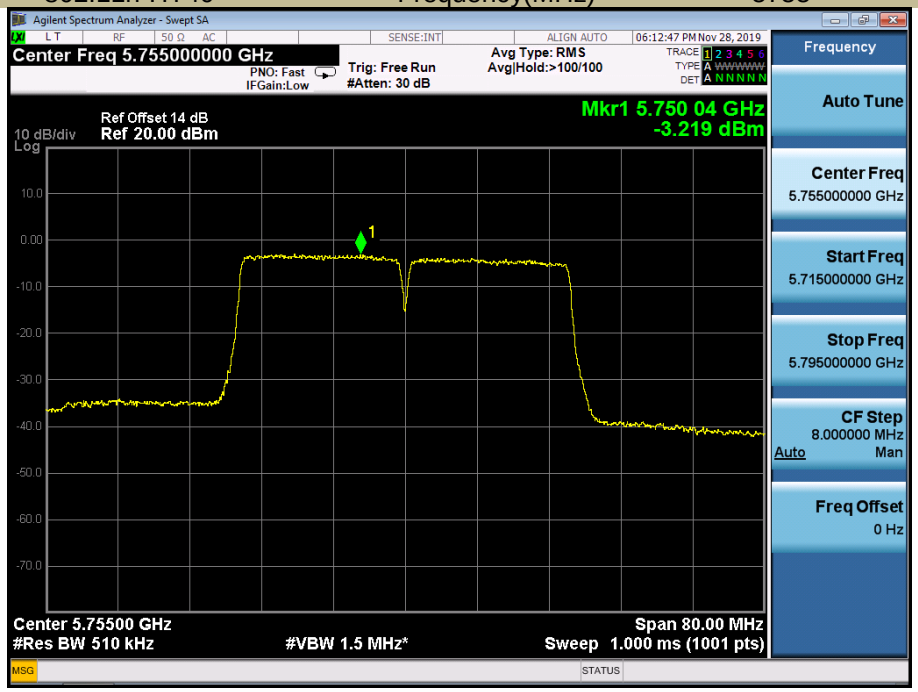


Power Spectral Density		U-NII - 3	
Test Model	802.11ac(HT20)	Frequency(MHz)	5785

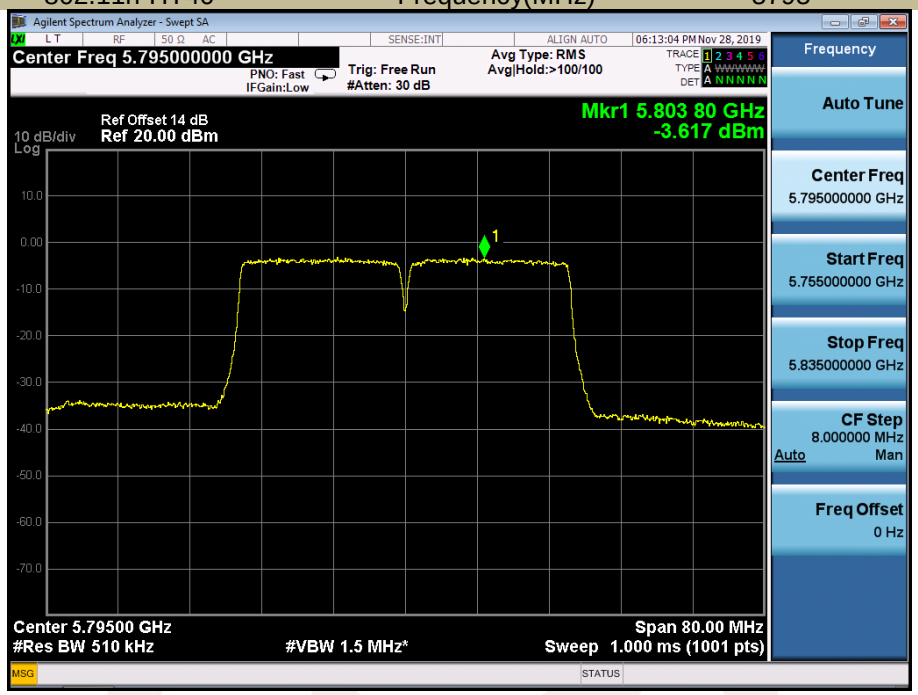


Power Spectral Density		U-NII - 3	
Test Model	802.11ac(HT20)	Frequency(MHz)	5825

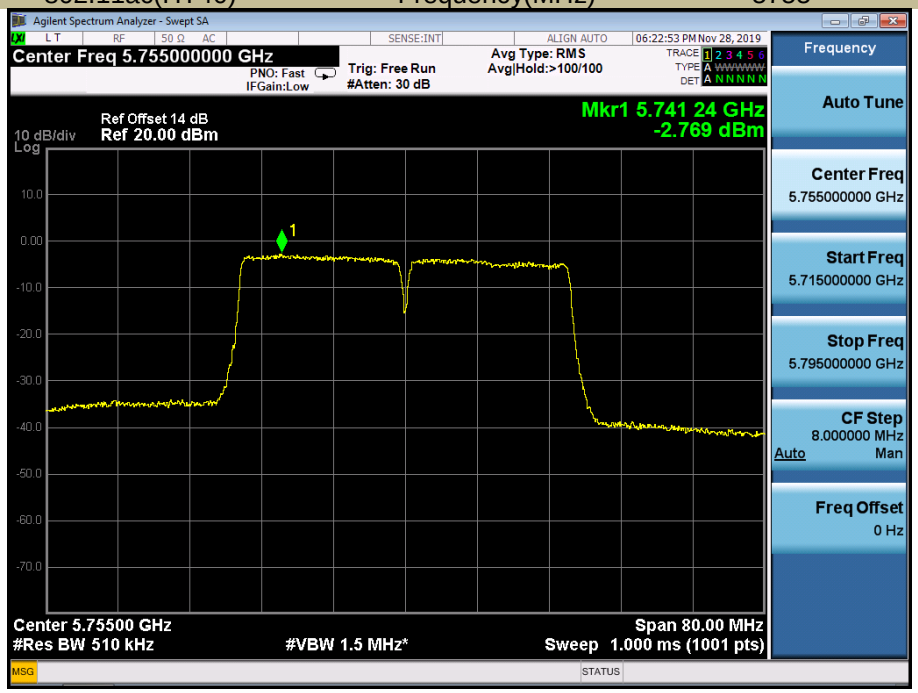
Power Spectral Density		U-NII - 3	
Test Model	802.11n-HT40	Frequency(MHz)	5755



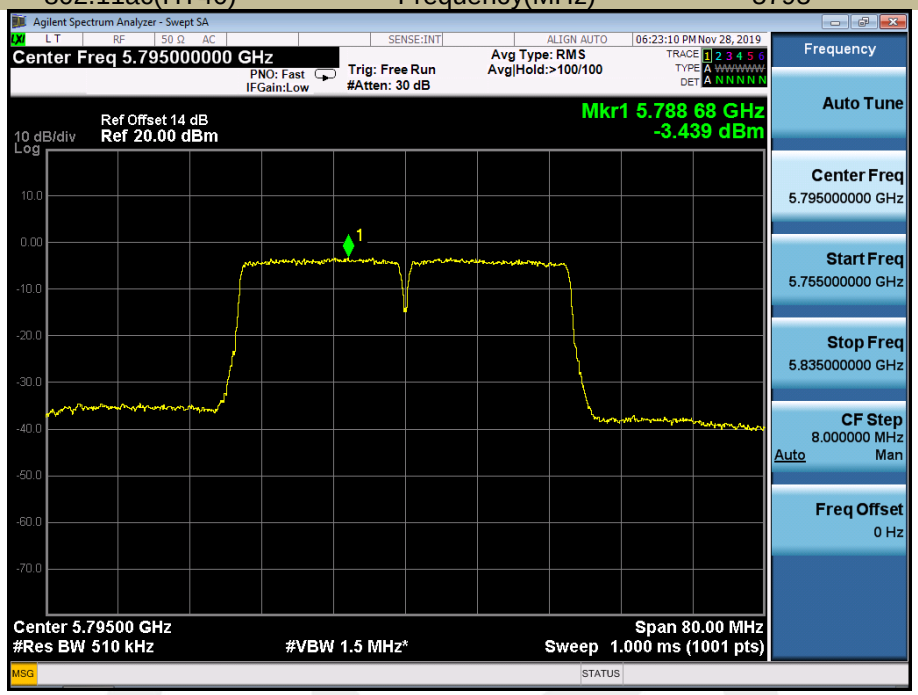
Power Spectral Density		U-NII - 3	
Test Model	802.11n-HT40	Frequency(MHz)	5795



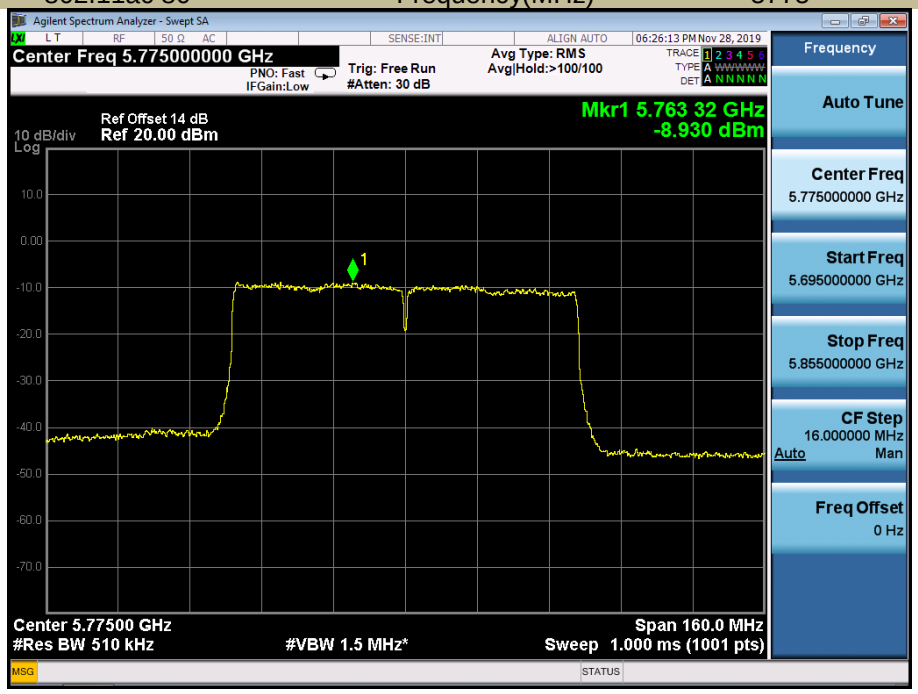
Power Spectral Density		U-NII - 3	
Test Model	802.11ac(HT40)	Frequency(MHz)	5755



Power Spectral Density		U-NII - 3	
Test Model	802.11ac(HT40)	Frequency(MHz)	5795



Power Spectral Density		U-NII - 3	
Test Model	802.11ac 80	Frequency(MHz)	5775



For 2T2R– Total

5150-5250MHz

Operating mode	Test Channel	Power Spectral Density dBm/MHz			Limit (dBm/MHz)
		Antenna A	Antenna B	Total	
802.11n-HT20	5180	5.042	5.081	8.07	8.5
	5200	4.643	5.255	7.97	8.5
	5240	4.082	5.104	7.63	8.5
802.11ac(HT20)	5180	5.594	5.375	8.50	8.5
	5200	5.282	5.114	8.21	8.5
	5240	3.993	5.783	7.99	8.5
802.11n-HT40	5190	3.181	1.979	5.63	8.5
	5230	1.982	2.482	5.25	8.5
802.11ac(HT40)	5190	3.379	2.505	5.97	8.5
	5230	1.918	2.26	5.10	8.5
802.11ac(HT80)	5210	-1.494	-2.504	1.04	8.5

5250-5350MHz

Operating mode	Test Channel	Power Spectral Density dBm/MHz			Limit (dBm/MHz)
		Antenna A	Antenna B	Total	
802.11n-HT20	5260	3.092	5.939	7.76	8.5
	5300	3.537	5.834	7.85	8.5
	5320	2.898	5.901	7.66	8.5
802.11ac(HT20)	5260	3.105	6.193	7.93	8.5
	5300	3.571	5.549	7.68	8.5
	5320	2.816	5.524	7.39	8.5
802.11n-HT40	5270	1.005	2.87	5.05	8.5
	5310	1.024	3.251	5.29	8.5
802.11ac(HT40)	5270	0.922	2.814	4.98	8.5
	5310	0.787	3.068	5.09	8.5
802.11ac(HT80)	5290	-2.938	-1.495	0.85	8.5

5470-5725MHz

Operating mode	Test Channel	Power Spectral Density dBm/MHz			Limit (dBm/MHz)
		Antenna A	Antenna B	Total	
802.11n-HT20	5500	3.255	2.013	5.69	8.5
	5580	2.332	1.214	4.82	8.5
	5700	2.274	2.232	5.26	8.5
802.11ac(HT20)	5500	3.559	1.896	5.82	8.5
	5580	1.988	1.257	4.65	8.5
	5700	2.265	2.113	5.20	8.5
802.11n-HT40	5510	1.17	0.055	3.66	8.5
	5670	-1.16	-0.107	2.41	8.5
802.11ac(HT40)	5510	1.231	0.068	3.70	8.5
	5670	-0.952	-0.504	2.29	8.5
802.11ac(HT80)	5530	-3.263	-6.119	-1.45	8.5

5725-5850MHz

Operating mode	Test Channel	Power Spectral Density dBm/MHz			Limit (dBm/MHz)
		Antenna A	Antenna B	Total	
802.11n-HT20	5745	-1.673	-1.44	1.46	27.5
	5785	-1.274	-1.034	1.86	27.5
	5825	-1.498	-1.45	1.54	27.5
802.11ac(HT20)	5745	-1.95	-1.181	1.46	27.5
	5785	-0.926	-0.959	2.07	27.5
	5825	-1.278	-1.276	1.73	27.5
802.11n-HT40	5755	-3.784	-3.219	-0.48	27.5
	5795	-3.54	-3.617	-0.57	27.5
802.11ac(HT40)	5755	-3.665	-2.769	-0.18	27.5
	5795	-3.786	-3.439	-0.60	27.5
802.11ac(HT80)	5775	-7.936	-8.930	-5.39	27.5

8.4 FREQUENCY STABILITY

8.4.1 Applicable Standard

According to FCC Part 15.407(g)
ANSI C63.10 Section 6.8

8.4.2 Conformance Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

8.4.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.4.4 Test Procedure

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
Set to the maximum power setting and enable the EUT transmit continuously
Set RBW = 10 kHz.
Set Span= Entire absence of modulation emissions band
Set the video bandwidth (VBW) =30 kHz. width
Set Detector = Peak.
Set Trace mode = max hold.
Set Sweep = auto couple.
Allow the trace to stabilize.
The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
Beginning at each temperature level specified in user manual , the frequency shall be measured within one minute after application of primary power to the transmitter and at intervals of no more than one minute thereafter until ten minutes have elapsed or until sufficient measurements are obtained to indicate clearly that the frequency has stabilized within the applicable tolerance, whichever time period is greater. During each test, the ambient temperature shall not be allowed to rise more than 10° centigrade above the respective beginning ambient temperature level
Measure and record the results in the test report.

8.4.5 Test Results

802.11a	5180			
Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5179.9833	-16.7	Pass
	-10	5179.9835	-16.5	Pass
	0	5179.9839	-16.1	Pass
	10	5179.9845	-15.5	Pass
	20	5179.9803	-19.7	Pass
	30	5179.9865	-13.5	Pass
	40	5179.9819	-18.1	Pass
	55	5179.9872	-12.8	Pass
85% Vnom	25	5179.9881	-11.9	Pass
115% Vnom	25	5179.9860	-14.0	Pass

5200				
Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5199.9814	-18.6	Pass
	-10	5199.9812	-18.8	Pass
	0	5199.9884	-11.6	Pass
	10	5199.9808	-19.2	Pass
	20	5199.9879	-12.1	Pass
	30	5199.9836	-16.4	Pass
	40	5199.9857	-14.3	Pass
	55	5199.9829	-17.1	Pass
85% Vnom	25	5199.9826	-17.4	Pass
115% Vnom	25	5199.9834	-16.6	Pass

5240				
Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5239.9831	-16.9	Pass
	-10	5239.9826	-17.4	Pass
	0	5239.9806	-19.4	Pass
	10	5239.9844	-15.6	Pass
	20	5239.9832	-16.8	Pass
	30	5239.9848	-15.2	Pass
	40	5239.9881	-11.9	Pass
	55	5239.9852	-14.8	Pass
85% Vnom	25	5239.9862	-13.8	Pass
115% Vnom	25	5239.9834	-16.6	Pass

5190

Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5189.9847	-15.3	Pass
	-10	5189.9882	-11.8	Pass
	0	5189.9849	-15.1	Pass
	10	5189.9862	-13.8	Pass
	20	5189.9852	-14.8	Pass
	30	5189.9817	-18.3	Pass
	40	5189.9842	-15.8	Pass
	55	5189.9839	-16.1	Pass
85% Vnom	25	5189.9806	-19.4	Pass
115% Vnom	25	5189.9822	-17.8	Pass

5230

Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5229.9842	-15.8	Pass
	-10	5229.9882	-11.8	Pass
	0	5229.9849	-15.1	Pass
	10	5229.9878	-12.2	Pass
	20	5229.9895	-10.5	Pass
	30	5229.9824	-17.6	Pass
	40	5229.9961	-3.9	Pass
	55	5229.9892	-10.8	Pass
85% Vnom	25	5229.9954	-4.6	Pass
115% Vnom	25	5229.9809	-19.1	Pass

5210

Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5209.9816	-18.4	Pass
	-10	5209.9946	-5.4	Pass
	0	5209.9892	-10.8	Pass
	10	5209.9818	-18.2	Pass
	20	5209.9999	-0.1	Pass
	30	5209.9943	-5.7	Pass
	40	5209.9960	-4	Pass
	55	5209.9827	-17.3	Pass
85% Vnom	25	5209.9983	-1.7	Pass
115% Vnom	25	5209.9912	-8.8	Pass

802.11a	5260			
Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5259.9937	-6.3	Pass
	-10	5259.9814	-18.6	Pass
	0	5259.9926	-7.4	Pass
	10	5259.9805	-19.5	Pass
	20	5259.9971	-2.9	Pass
	30	5259.9806	-19.4	Pass
	40	5259.9833	-16.7	Pass
	55	5259.9909	-9.1	Pass
85% Vnom	25	5259.9932	-6.8	Pass
115% Vnom	25	5259.9954	-4.6	Pass

5280				
Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5279.9959	-4.1	Pass
	-10	5279.9964	-3.6	Pass
	0	5279.9840	-16	Pass
	10	5279.9852	-14.8	Pass
	20	5279.9926	-7.4	Pass
	30	5279.9974	-2.6	Pass
	40	5279.9855	-14.5	Pass
	55	5279.9883	-11.7	Pass
85% Vnom	25	5279.9924	-7.6	Pass
115% Vnom	25	5279.9854	-14.6	Pass

5320				
Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5319.9972	-2.8	Pass
	-10	5319.9825	-17.5	Pass
	0	5319.9827	-17.3	Pass
	10	5319.9939	-6.1	Pass
	20	5319.9961	-3.9	Pass
	30	5319.9868	-13.2	Pass
	40	5319.9945	-5.5	Pass
	55	5319.9891	-10.9	Pass
85% Vnom	25	5319.9954	-4.6	Pass
115% Vnom	25	5319.9921	-7.9	Pass

5270

Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5269.9952	-4.8	Pass
	-10	5269.9910	-9	Pass
	0	5269.9820	-18	Pass
	10	5269.9997	-0.3	Pass
	20	5269.9879	-12.1	Pass
	30	5269.9910	-9	Pass
	40	5269.9814	-18.6	Pass
	55	5269.9886	-11.4	Pass
85% Vnom	25	5269.9850	-15	Pass
115% Vnom	25	5269.9910	-9	Pass

5310

Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5309.9827	-17.3	Pass
	-10	5309.9964	-3.6	Pass
	0	5309.9910	-9	Pass
	10	5309.9809	-19.1	Pass
	20	5309.9949	-5.1	Pass
	30	5309.9800	-20	Pass
	40	5309.9938	-6.2	Pass
	55	5309.9924	-7.6	Pass
85% Vnom	25	5309.9935	-6.5	Pass
115% Vnom	25	5309.9936	-6.4	Pass

5290

Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5289.9816	-18.4	Pass
	-10	5289.9972	-2.8	Pass
	0	5289.9869	-13.1	Pass
	10	5289.9867	-13.3	Pass
	20	5289.9842	-15.8	Pass
	30	5289.9860	-14	Pass
	40	5289.9824	-17.6	Pass
	55	5289.9888	-11.2	Pass
85% Vnom	25	5289.9952	-4.8	Pass
115% Vnom	25	5289.9835	-16.5	Pass

802.11a	5500			
Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5499.9803	-19.7	Pass
	-10	5499.9929	-7.1	Pass
	0	5499.9894	-10.6	Pass
	10	5499.9863	-13.7	Pass
	20	5499.9924	-7.6	Pass
	30	5499.9923	-7.7	Pass
	40	5499.9924	-7.6	Pass
	55	5499.9914	-8.6	Pass
85% Vnom	25	5499.9983	-1.7	Pass
115% Vnom	25	5499.9880	-12	Pass

5580				
Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5579.9937	-6.3	Pass
	-10	5579.9943	-5.7	Pass
	0	5579.9809	-19.1	Pass
	10	5579.9906	-9.4	Pass
	20	5579.9945	-5.5	Pass
	30	5579.9932	-6.8	Pass
	40	5579.9994	-0.6	Pass
	55	5579.9926	-7.4	Pass
85% Vnom	25	5579.9938	-6.2	Pass
115% Vnom	25	5579.9899	-10.1	Pass

5700				
Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5699.9809	-19.1	Pass
	-10	5699.9880	-12	Pass
	0	5699.9836	-16.4	Pass
	10	5699.9864	-13.6	Pass
	20	5699.9937	-6.3	Pass
	30	5699.9868	-13.2	Pass
	40	5699.9973	-2.7	Pass
	55	5699.9930	-7	Pass
85% Vnom	25	5699.9969	-3.1	Pass
115% Vnom	25	5699.9876	-12.4	Pass

5510

Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5509.9829	-17.1	Pass
	-10	5509.9828	-17.2	Pass
	0	5509.9880	-12	Pass
	10	5509.9929	-7.1	Pass
	20	5509.9867	-13.3	Pass
	30	5509.9806	-19.4	Pass
	40	5509.9909	-9.1	Pass
	55	5509.9811	-18.9	Pass
85% Vnom	25	5509.9945	-5.5	Pass
115% Vnom	25	5509.9928	-7.2	Pass

5670

Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5669.9958	-4.2	Pass
	-10	5669.9969	-3.1	Pass
	0	5669.9829	-17.1	Pass
	10	5669.9938	-6.2	Pass
	20	5669.9922	-7.8	Pass
	30	5669.9992	-0.8	Pass
	40	5669.9881	-11.9	Pass
	55	5669.9828	-17.2	Pass
85% Vnom	25	5669.9818	-18.2	Pass
115% Vnom	25	5669.9865	-13.5	Pass

5530

Voltage(V)	Temp(℃)	Test Frequency (MHz)	Max. Deviation (KHz)	Verdict
Vnom	-20	5529.9892	-10.8	Pass
	-10	5529.9983	-1.7	Pass
	0	5529.9972	-2.8	Pass
	10	5529.9883	-11.7	Pass
	20	5529.9883	-11.7	Pass
	30	5529.9857	-14.3	Pass
	40	5529.9882	-11.8	Pass
	55	5529.9998	-0.2	Pass
85% Vnom	25	5529.9844	-15.6	Pass
115% Vnom	25	5529.9850	-15	Pass