AVGSA Power Spectral Density

Test Result and Data

U-NII-1 AVGSA Power Spectral Density				
Mode	Test Frequency (MHz)	PSD (dBm/1MHz)	Limit (dBm/1MHz)	Result
802.11n (20MHz)	5180	-0.450	11	Pass
802.11n (20MHz)	5220	-0.588	11	Pass
802.11n (20MHz)	5240	-0.853	11	Pass
802.11n (40MHz)	5190	-1.933	11	Pass
802.11n (40MHz)	5230	-2.542	11	Pass
802.11ac (20MHz)	5180	-0.975	11	Pass
802.11ac (20MHz)	5220	-0.987	11	Pass
802.11ac (20MHz)	5240	-1.088	11	Pass
802.11ac (40MHz)	5190	-2.542	11	Pass
802.11ac (40MHz)	5230	-3.217	11	Pass
802.11ac (80MHz)	5210	-6.371	11	Pass
802.11a (20MHz)	5180	1.081	11	Pass
802.11a (20MHz)	5220	0.845	11	Pass
802.11a (20MHz)	5240	0.827	11	Pass

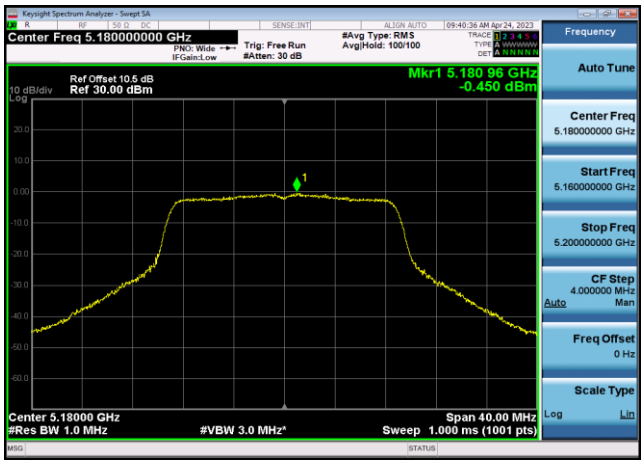
U-NII-2a AVGSA Power Spectral Density				
Mode	Test Frequency (MHz)	PSD (dBm/1MHz)	Limit (dBm/1MHz)	Result
802.11n (20MHz)	5260	0.438	11	Pass
802.11n (20MHz)	5300	-0.341	11	Pass
802.11n (20MHz)	5320	-0.670	11	Pass
802.11n (40MHz)	5270	-2.000	11	Pass
802.11n (40MHz)	5310	-2.319	11	Pass
802.11ac (20MHz)	5260	-0.275	11	Pass
802.11ac (20MHz)	5300	-1.024	11	Pass
802.11ac (20MHz)	5320	-1.400	11	Pass
802.11ac (40MHz)	5270	-3.039	11	Pass
802.11ac (40MHz)	5310	-3.117	11	Pass
802.11ac (80MHz)	5290	-6.441	11	Pass
802.11a (20MHz)	5260	1.087	11	Pass
802.11a (20MHz)	5300	0.938	11	Pass
802.11a (20MHz)	5320	0.756	11	Pass

U-NII-2c AVGSA Power Spectral Density				
Mode	Test Frequency (MHz)	PSD (dBm/1MHz)	Limit (dBm/1MHz)	Result
802.11n (20MHz)	5500	0.605	11	Pass
802.11n (20MHz)	5600	1.978	11	Pass
802.11n (20MHz)	5700	2.653	11	Pass
802.11n (40MHz)	5510	-1.270	11	Pass
802.11n (40MHz)	5590	-0.174	11	Pass
802.11n (40MHz)	5670	0.520	11	Pass
802.11ac (20MHz)	5500	0.359	11	Pass
802.11ac (20MHz)	5600	1.423	11	Pass
802.11ac (20MHz)	5700	2.333	11	Pass
802.11ac (40MHz)	5510	-2.004	11	Pass
802.11ac (40MHz)	5590	-0.592	11	Pass
802.11ac (40MHz)	5670	0.556	11	Pass
802.11ac (80MHz)	5530	-4.567	11	Pass
802.11ac (80MHz)	5610	-3.941	11	Pass
802.11a (20MHz)	5500	1.978	11	Pass
802.11a (20MHz)	5600	3.547	11	Pass
802.11a (20MHz)	5700	4.505	11	Pass

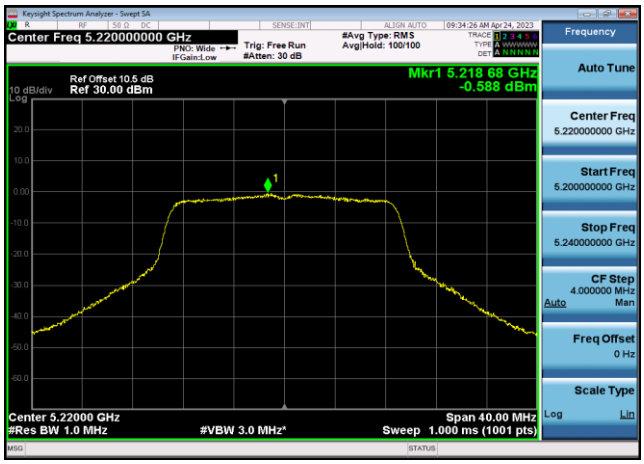
U-NII-3 AVGSA Power Spectral Density				
Mode	Test Frequency (MHz)	PSD (dBm/1MHz)	Limit (dBm/1MHz)	Result
802.11n (20MHz)	5745	-0.603	30	Pass
802.11n (20MHz)	5785	-0.562	30	Pass
802.11n (20MHz)	5825	-0.411	30	Pass
802.11n (40MHz)	5755	-2.375	30	Pass
802.11n (40MHz)	5795	-1.952	30	Pass
802.11ac (20MHz)	5745	-0.671	30	Pass
802.11ac (20MHz)	5785	-0.824	30	Pass
802.11ac (20MHz)	5825	-0.474	30	Pass
802.11ac (40MHz)	5755	-2.761	30	Pass
802.11ac (40MHz)	5795	-1.866	30	Pass
802.11ac (80MHz)	5775	-6.204	30	Pass
802.11a (20MHz)	5745	1.233	30	Pass
802.11a (20MHz)	5785	1.417	30	Pass
802.11a (20MHz)	5825	1.375	30	Pass

Test Plots

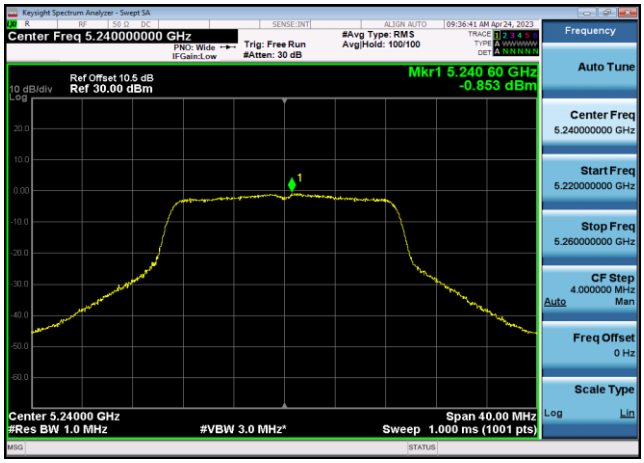
U-NII-1 Power spectral density-802.11 n(20MHz),5180MHz,Ant1



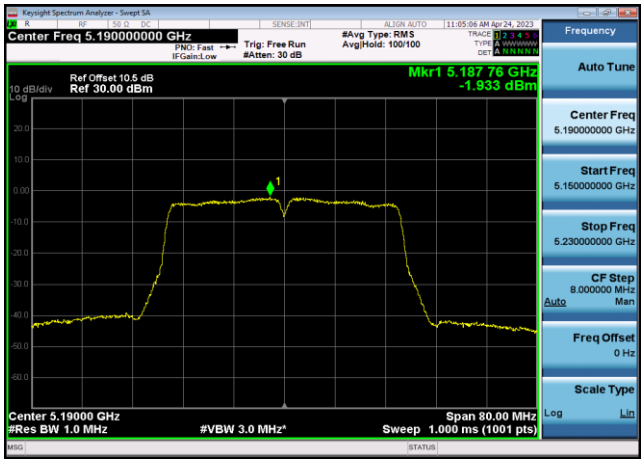
U-NII-1 Power spectral density-802.11 n(20MHz),5220MHz,Ant1



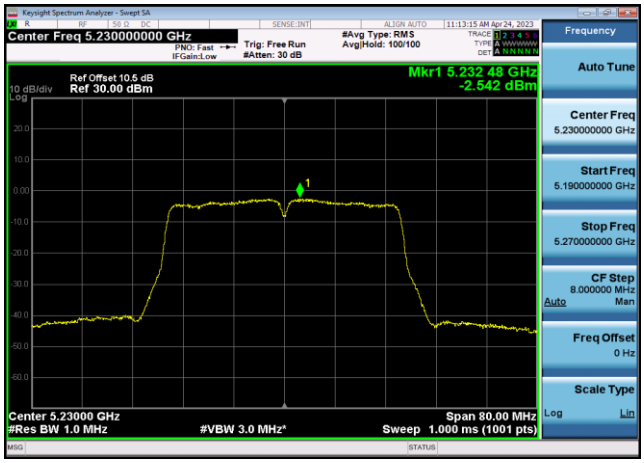
U-NII-1 Power spectral density-802.11 n(20MHz),5240MHz,Ant1



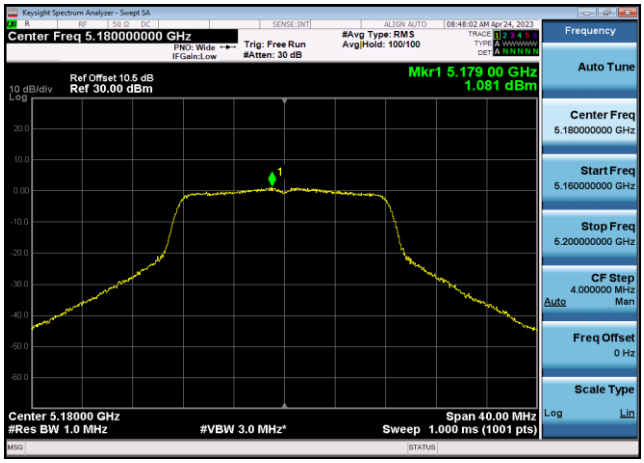
U-NII-1 Power spectral density-802.11 n(40MHz),5190MHz,Ant1



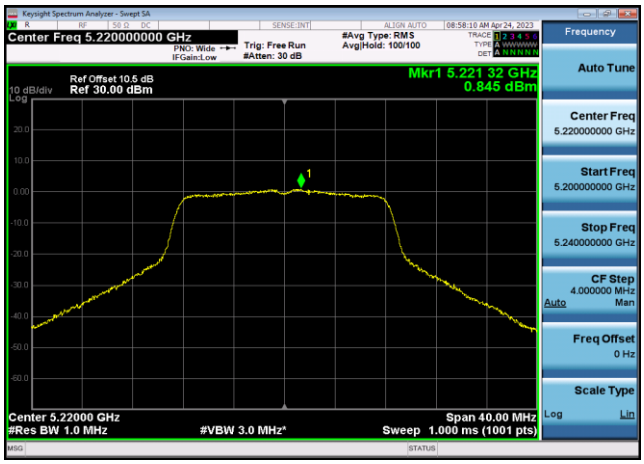
U-NII-1 Power spectral density-802.11 n(40MHz),5230MHz,Ant1



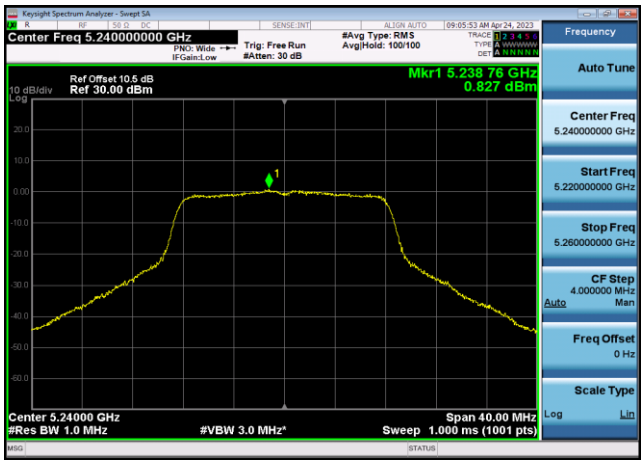
U-NII-1 Power spectral density-802.11 a(20MHz),5180MHz,Ant1



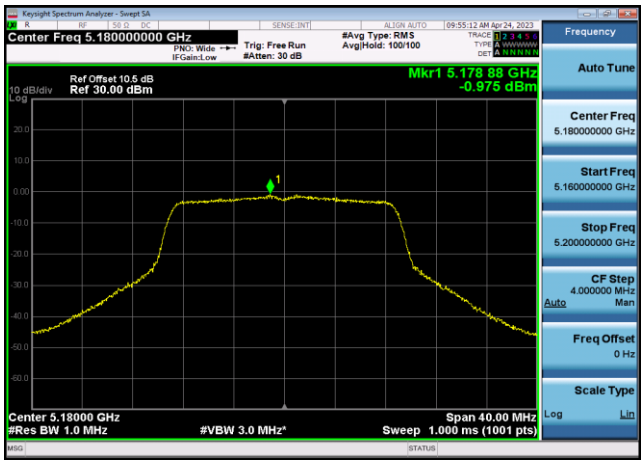
U-NII-1 Power spectral density-802.11 a(20MHz),5220MHz,Ant1



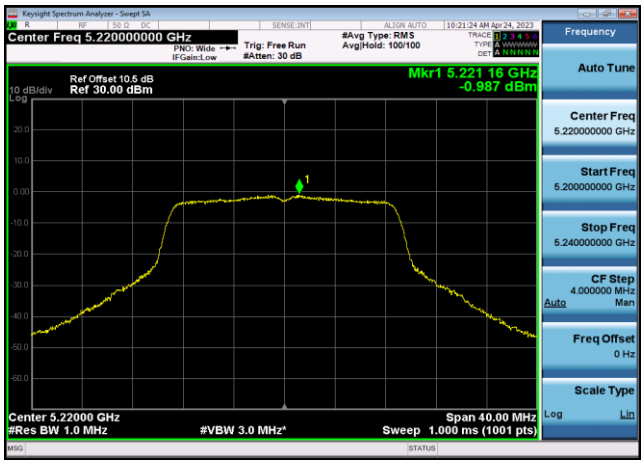
U-NII-1 Power spectral density-802.11 a(20MHz),5240MHz,Ant1



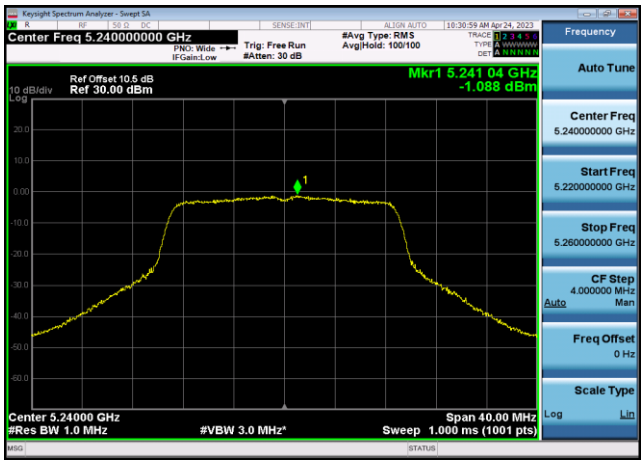
U-NII-1 Power spectral density-802.11 ac(20MHz),5180MHz,Ant1



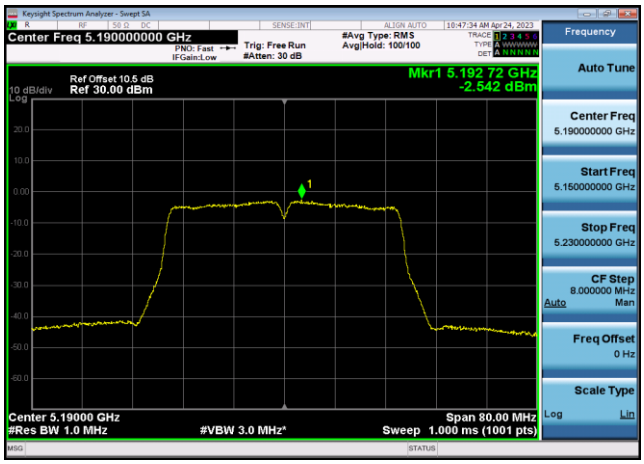
U-NII-1 Power spectral density-802.11 ac(20MHz),5220MHz,Ant1



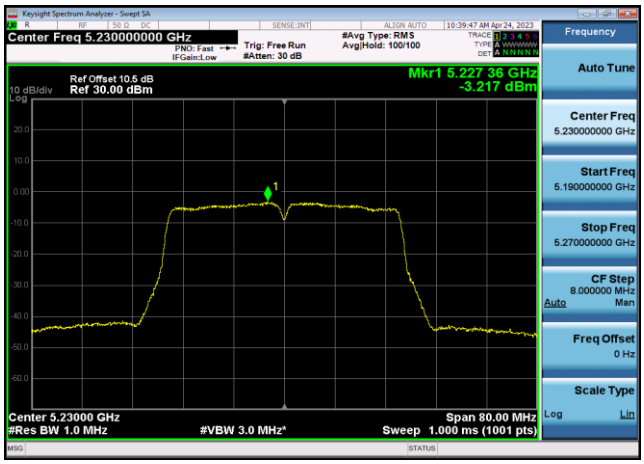
U-NII-1 Power spectral density-802.11 ac(20MHz),5240MHz,Ant1



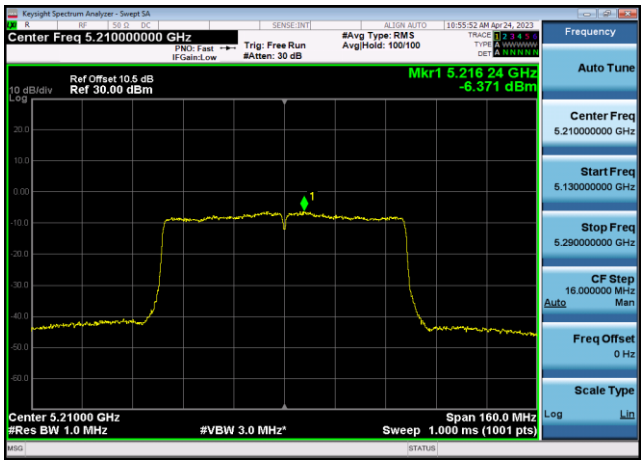
U-NII-1 Power spectral density-802.11 ac(40MHz),5190MHz,Ant1



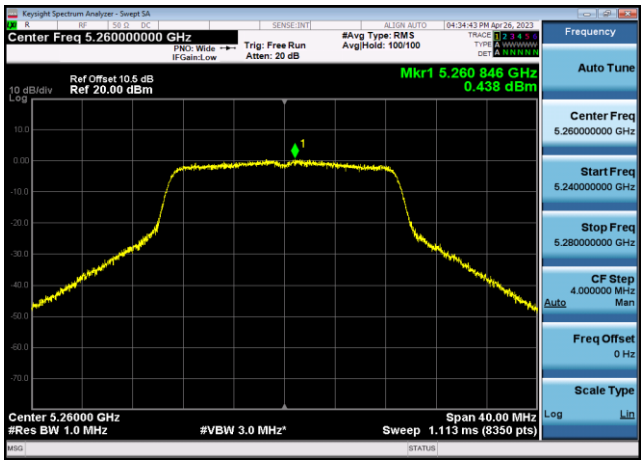
U-NII-1 Power spectral density-802.11 ac(40MHz),5230MHz,Ant1



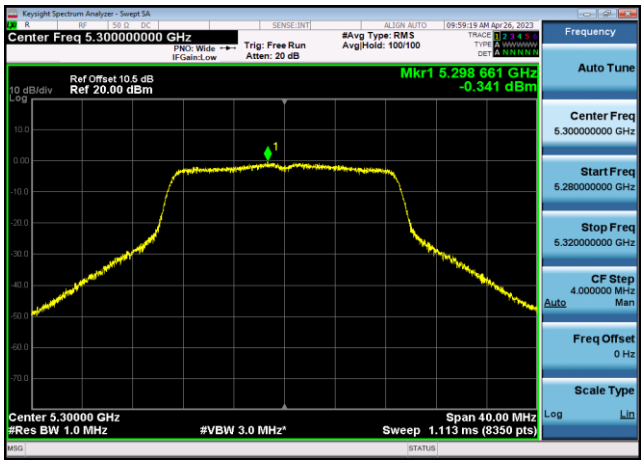
U-NII-1 Power spectral density-802.11 ac(80MHz),5210MHz,Ant1



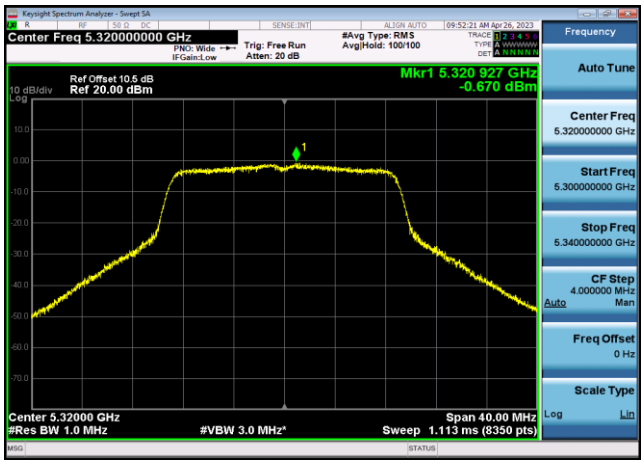
U-NII-2a Power spectral density-802.11n(20MHz),5260MHz,Ant1



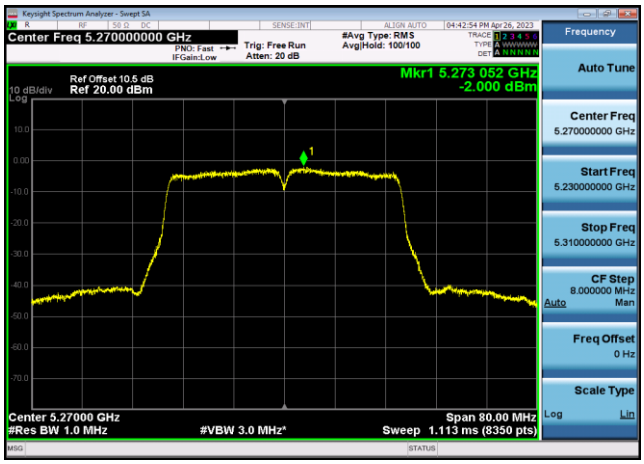
U-NII-2a Power spectral density-802.11n(20MHz),5300MHz,Ant1



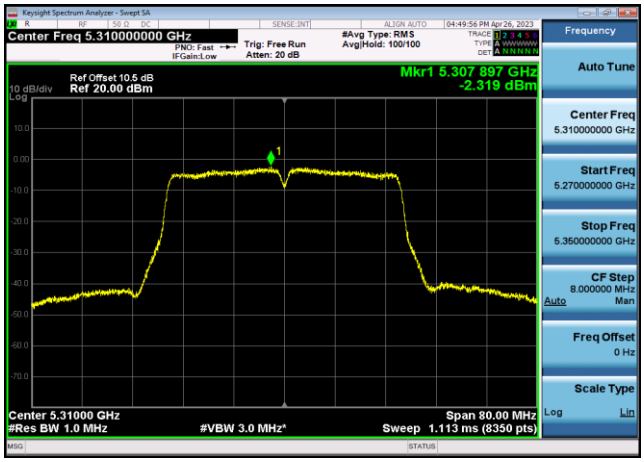
U-NII-2a Power spectral density-802.11n(20MHz),5320MHz,Ant1



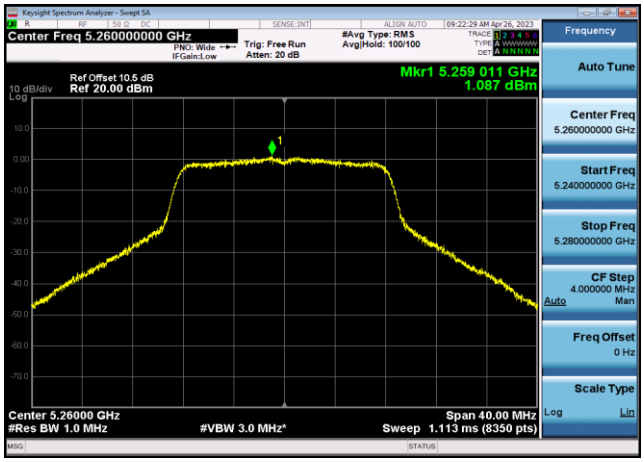
U-NII-2a Power spectral density-802.11n(40MHz),5270MHz,Ant1



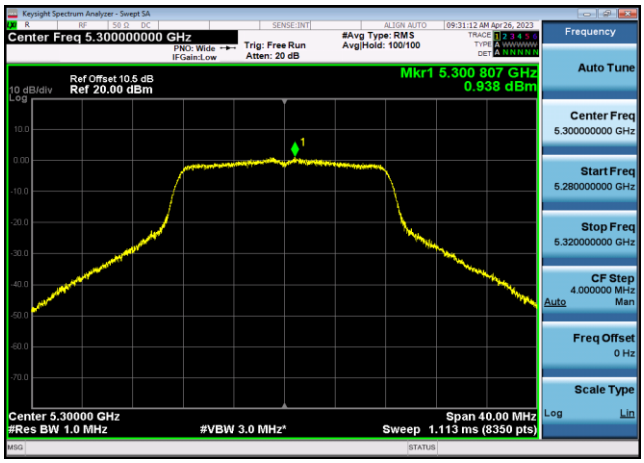
U-NII-2a Power spectral density-802.11n(40MHz),5310MHz,Ant1



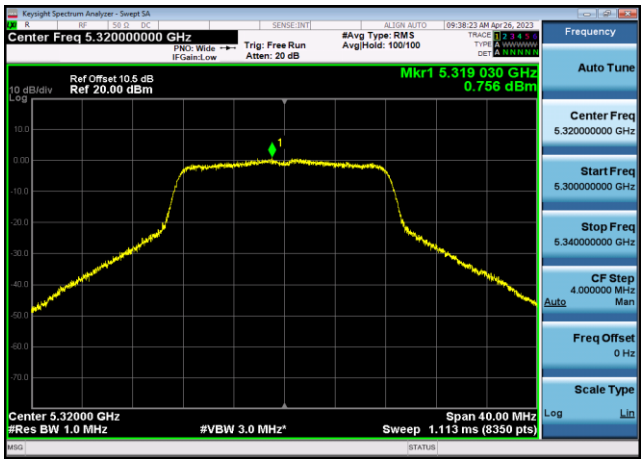
U-NII-2a Power spectral density-802.11a(20MHz),5260MHz,Ant1



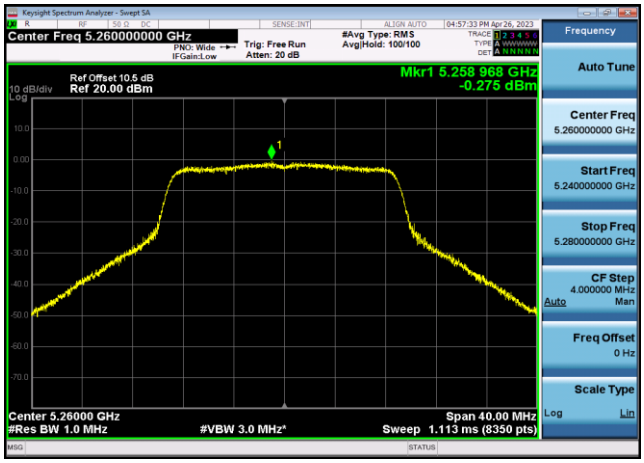
U-NII-2a Power spectral density-802.11a(20MHz),5300MHz,Ant1



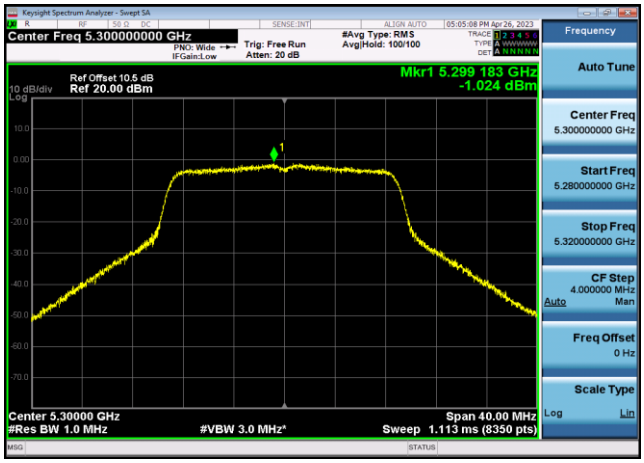
U-NII-2a Power spectral density-802.11a(20MHz),5320MHz,Ant1



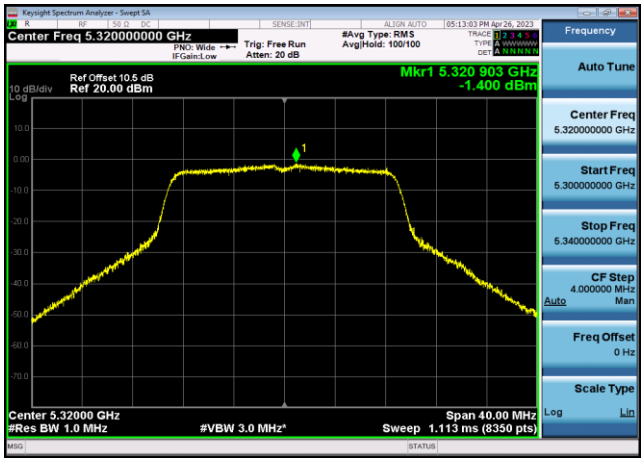
U-NII-2a Power spectral density-802.11ac(20MHz),5260MHz,Ant1



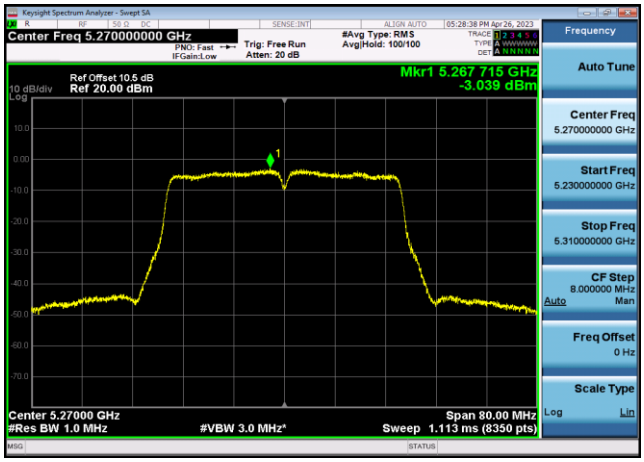
U-NII-2a Power spectral density-802.11ac(20MHz),5300MHz,Ant1



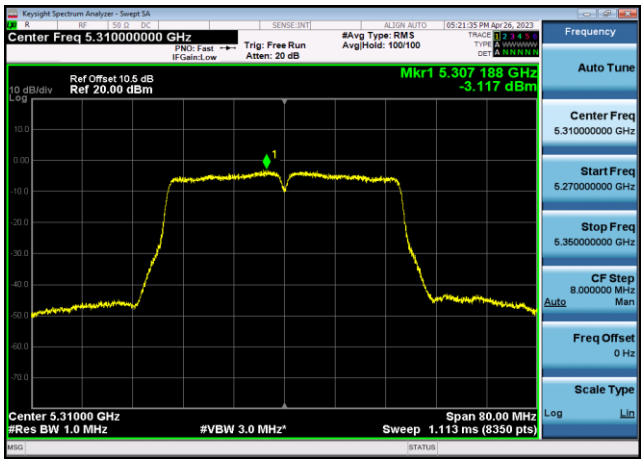
U-NII-2a Power spectral density-802.11ac(20MHz),5320MHz,Ant1



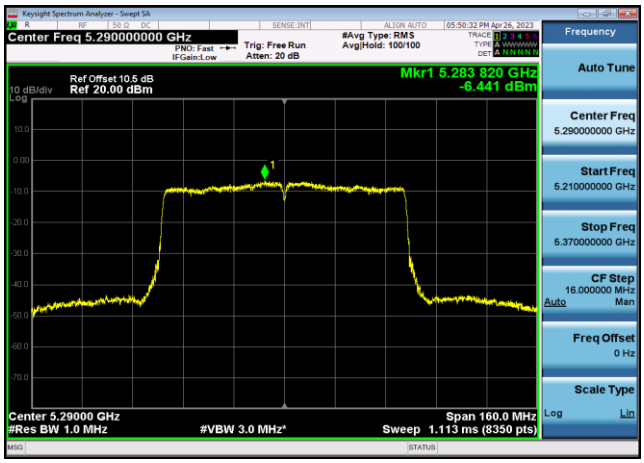
U-NII-2a Power spectral density-802.11ac(40MHz),5270MHz,Ant1



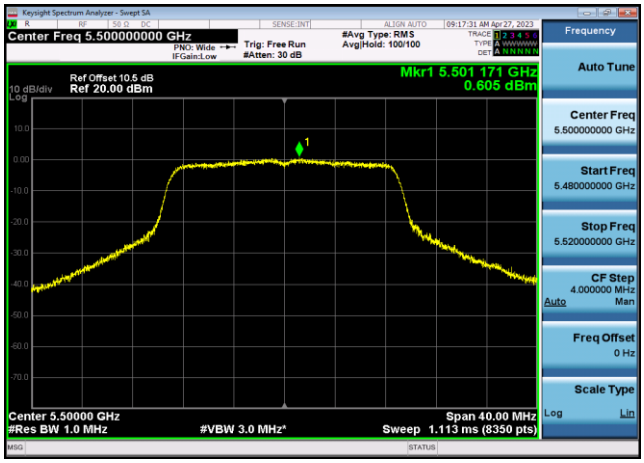
U-NII-2a Power spectral density-802.11ac(40MHz),5310MHz,Ant1



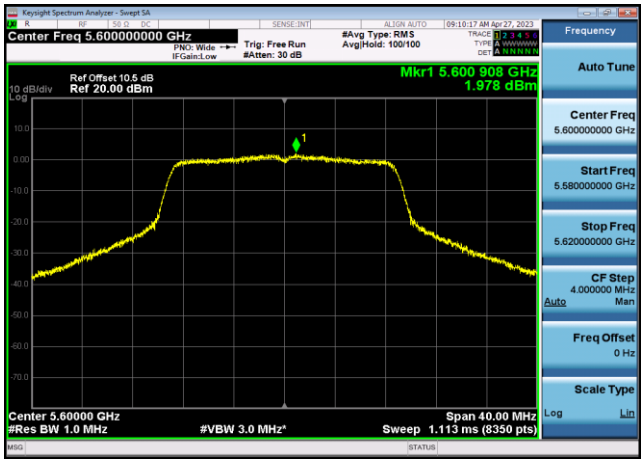
U-NII-2a Power spectral density-802.11ac(80MHz),5290MHz,Ant1



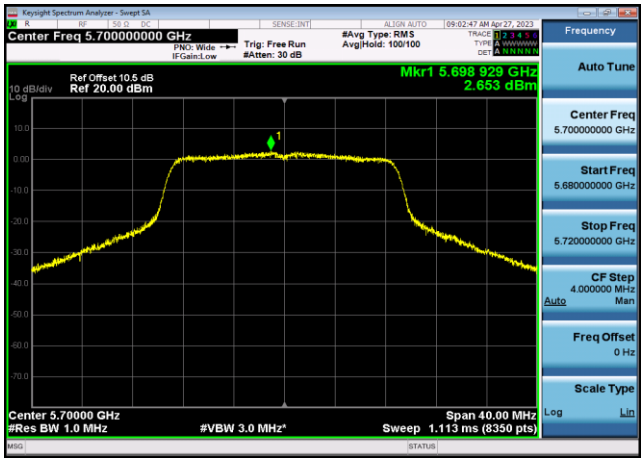
U-NII-2c Power spectral density-802.11n(20MHz),5500MHz,Ant1



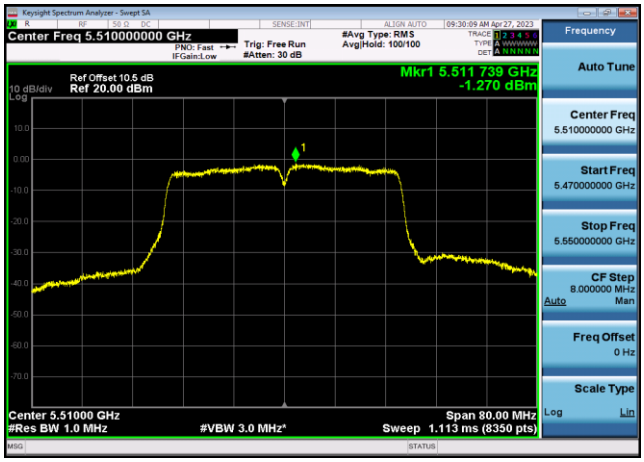
U-NII-2c Power spectral density-802.11n(20MHz),5600MHz,Ant1



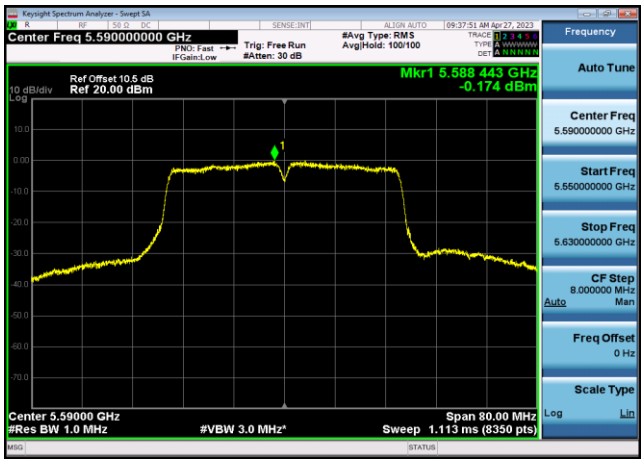
U-NII-2c Power spectral density-802.11n(20MHz),5700MHz,Ant1



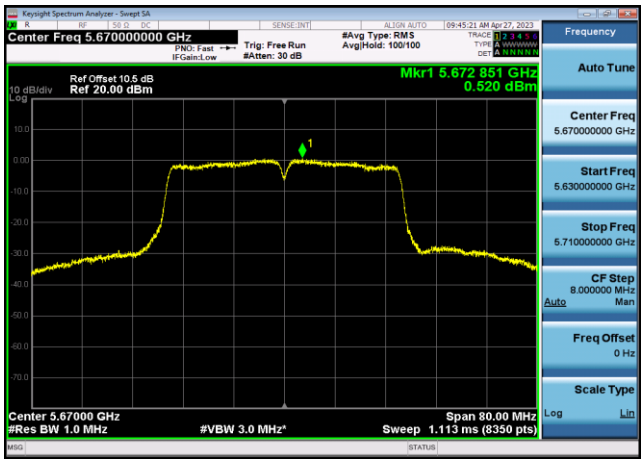
U-NII-2c Power spectral density-802.11n(40MHz),5510MHz,Ant1



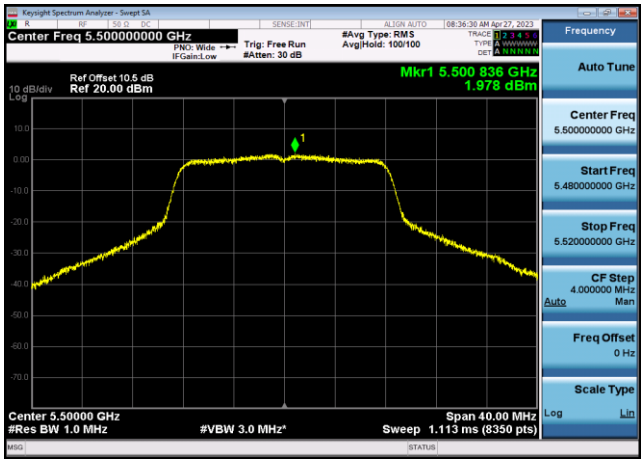
U-NII-2c Power spectral density-802.11n(40MHz),5590MHz,Ant1



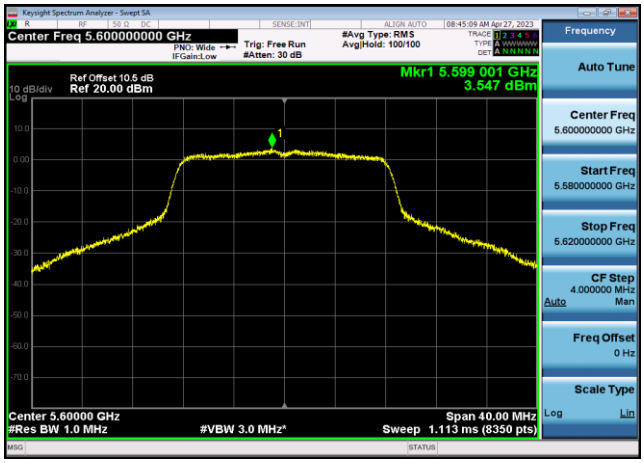
U-NII-2c Power spectral density-802.11n(40MHz),5670MHz,Ant1



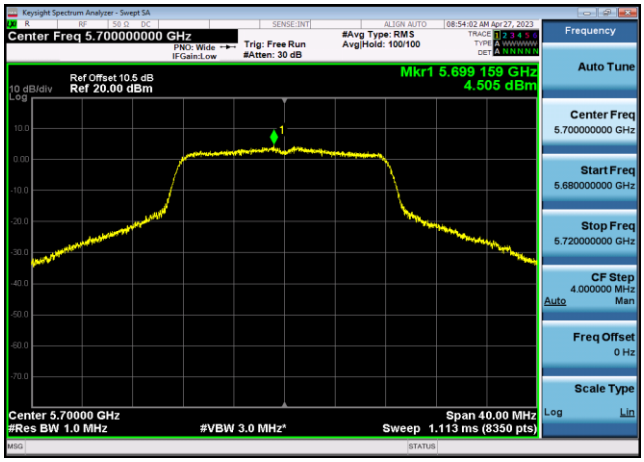
U-NII-2c Power spectral density-802.11a(20MHz),5500MHz,Ant1



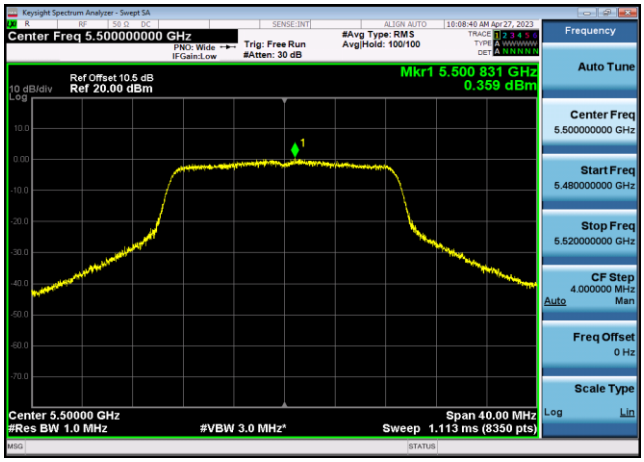
U-NII-2c Power spectral density-802.11a(20MHz),5600MHz,Ant1



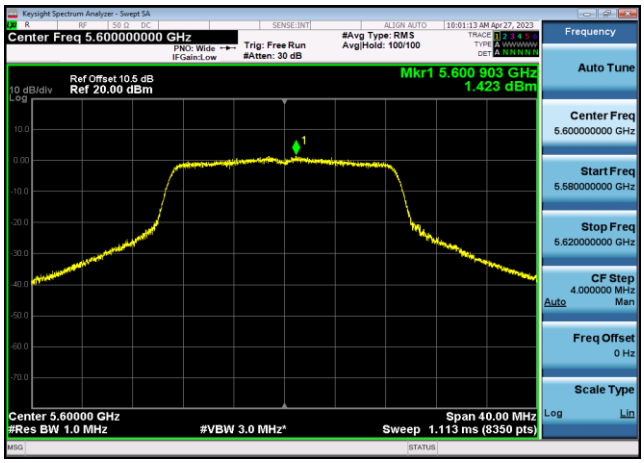
U-NII-2c Power spectral density-802.11a(20MHz),5700MHz,Ant1



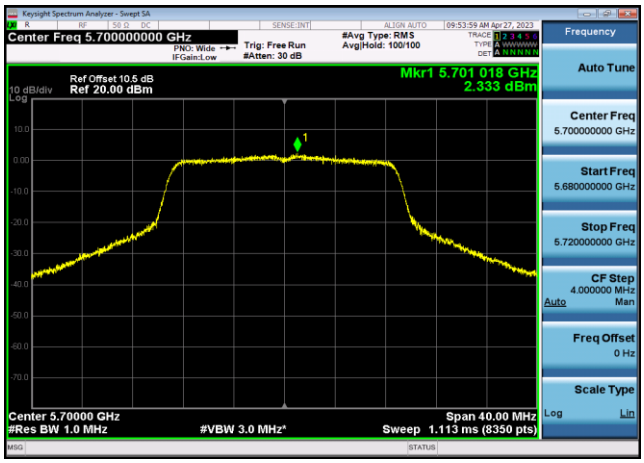
U-NII-2c Power spectral density-802.11ac(20MHz),5500MHz,Ant1



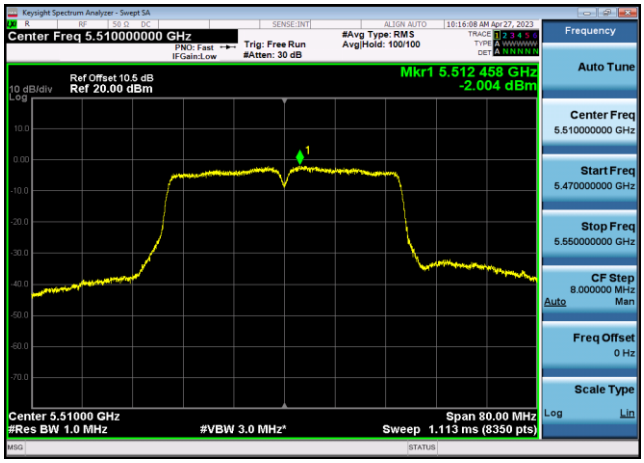
U-NII-2c Power spectral density-802.11ac(20MHz),5600MHz,Ant1



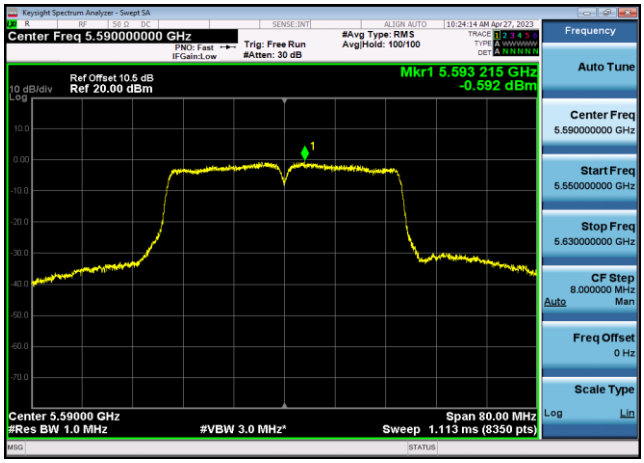
U-NII-2c Power spectral density-802.11ac(20MHz),5700MHz,Ant1



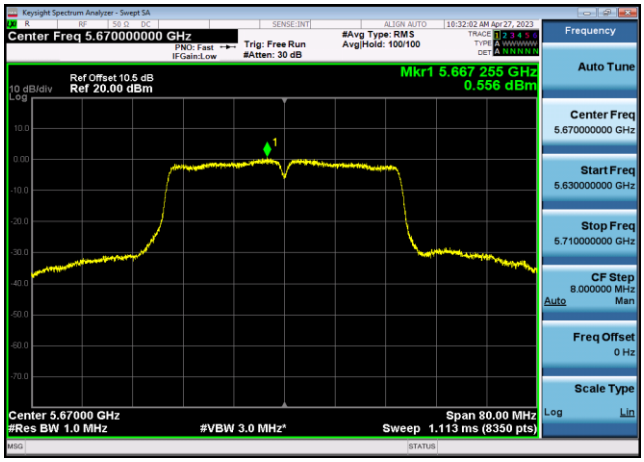
U-NII-2c Power spectral density-802.11ac(40MHz),5510MHz,Ant1



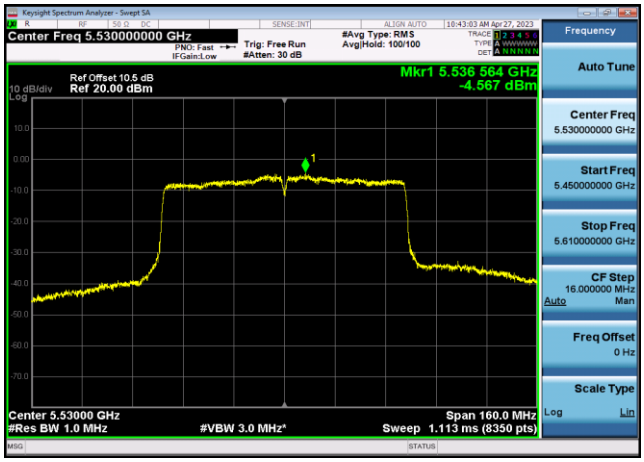
U-NII-2c Power spectral density-802.11ac(40MHz),5590MHz,Ant1



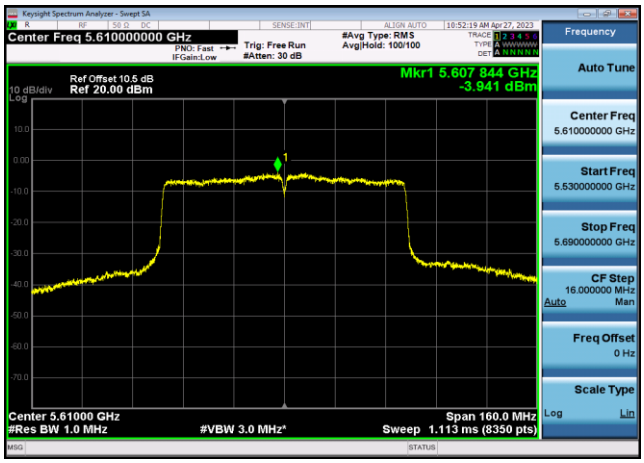
U-NII-2c Power spectral density-802.11ac(40MHz),5670MHz,Ant1



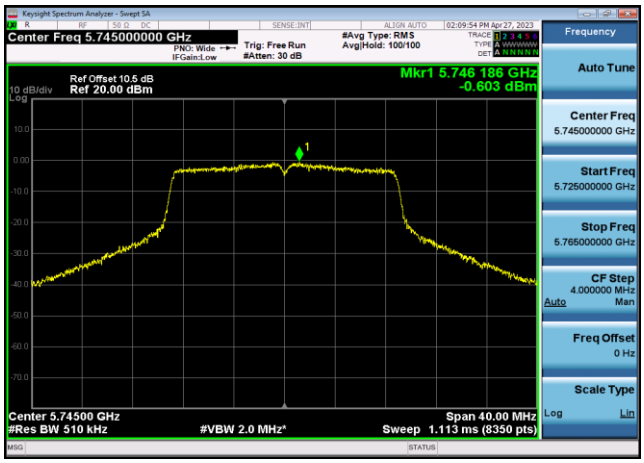
U-NII-2c Power spectral density-802.11ac(80MHz),5530MHz,Ant1



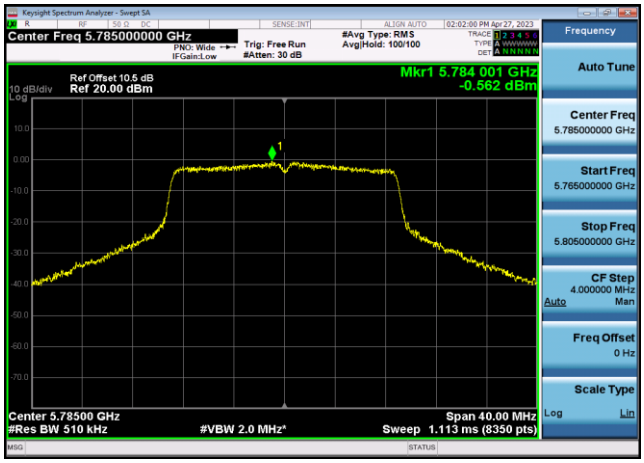
U-NII-2c Power spectral density-802.11ac(80MHz),5610MHz,Ant1



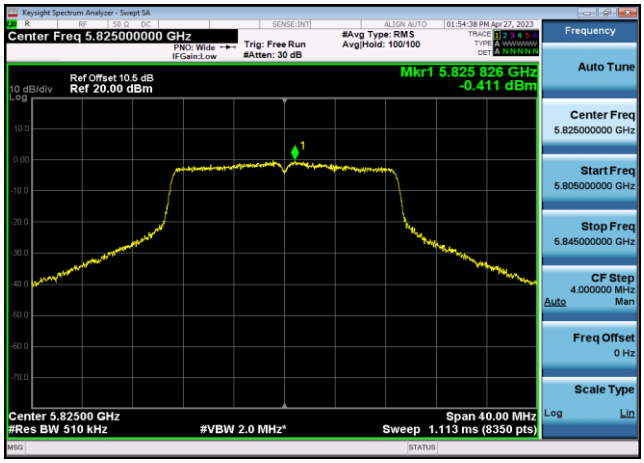
U-NII-3 Power spectral density-802.11n(20MHz),5745MHz,Ant1



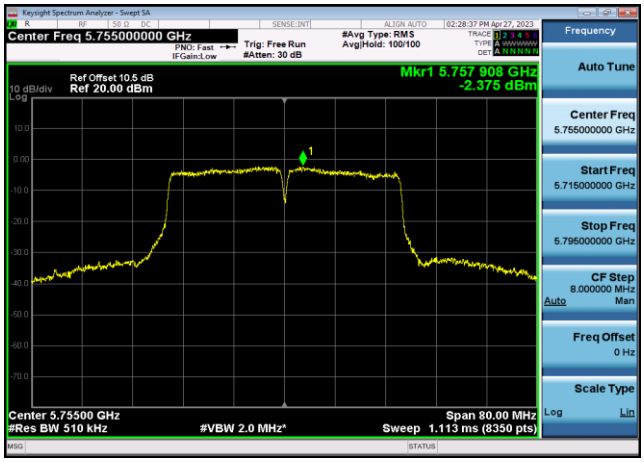
U-NII-3 Power spectral density-802.11n(20MHz),5785MHz,Ant1



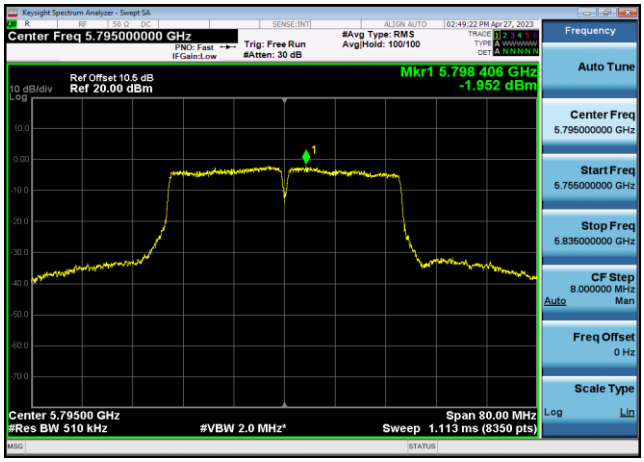
U-NII-3 Power spectral density-802.11n(20MHz),5825MHz,Ant1



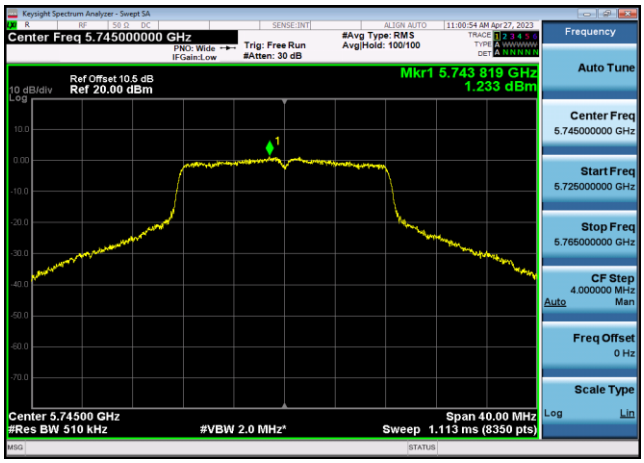
U-NII-3 Power spectral density-802.11 n(40MHz),5755MHz,Ant1



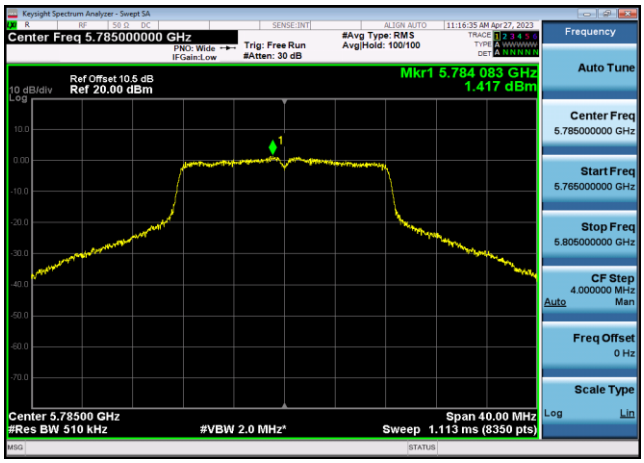
U-NII-3 Power spectral density-802.11 n(40MHz),5795MHz,Ant1



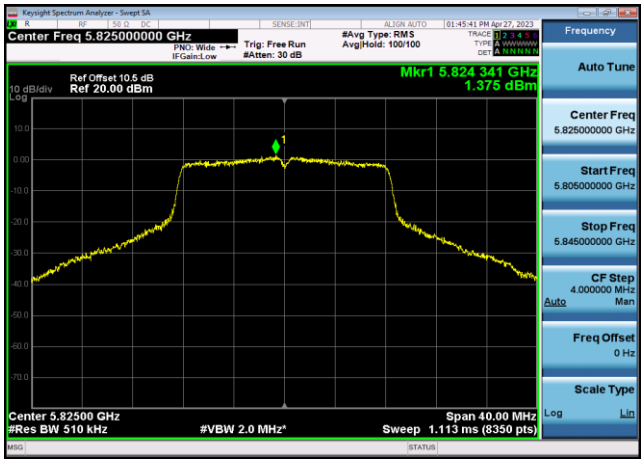
U-NII-3 Power spectral density-802.11 a(20MHz),5745MHz,Ant1



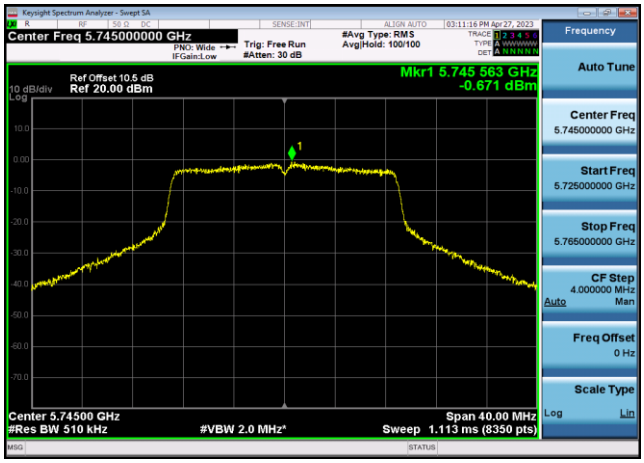
U-NII-3 Power spectral density-802.11 a(20MHz),5785MHz,Ant1



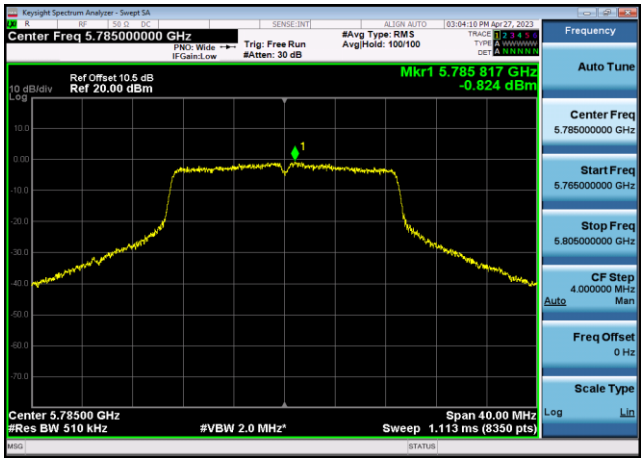
U-NII-3 Power spectral density-802.11 a(20MHz),5825MHz,Ant1



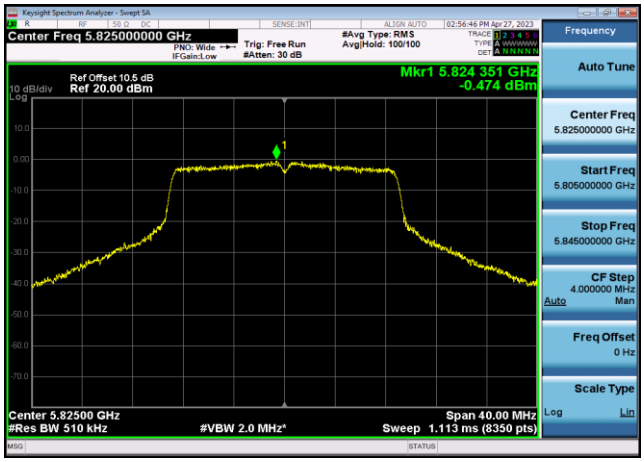
U-NII-3 Power spectral density-802.11 ac(20MHz),5745MHz,Ant1



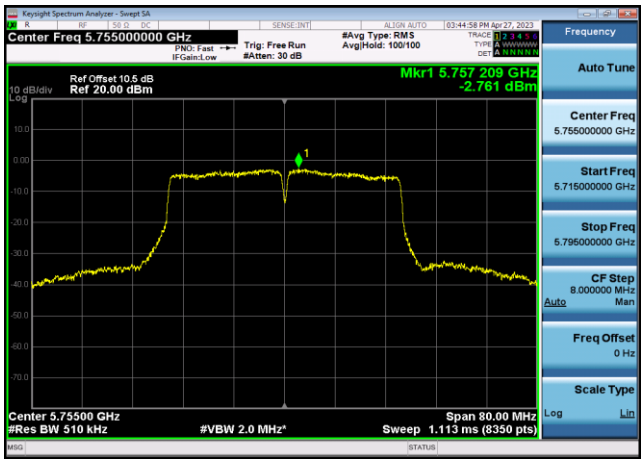
U-NII-3 Power spectral density-802.11 ac(20MHz),5785MHz,Ant1



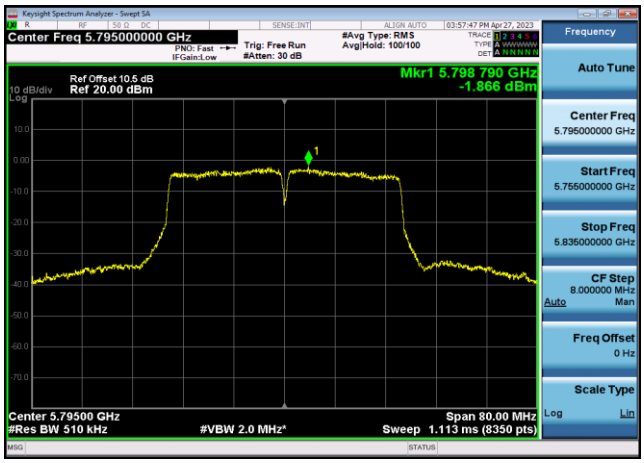
U-NII-3 Power spectral density-802.11 ac(20MHz),5825MHz,Ant1



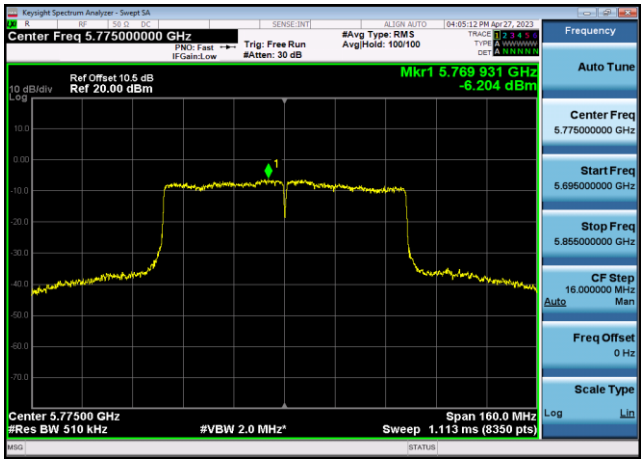
U-NII-3 Power spectral density-802.11 ac(40MHz),5755MHz,Ant1



U-NII-3 Power spectral density-802.11 ac(40MHz),5795MHz,Ant1



U-NII-3 Power spectral density-802.11 ac(80MHz),5775MHz,Ant1



99% Occupied Bandwidth and 26dB Emission Bandwidth

Test Result and Data

U-NII-1 99% OBW & 26dB EBW				
Mode	Test Frequency (MHz)	99% OBW (MHz)	26dB EBW (MHz)	Result
802.11n (20MHz)	5180	17.896	24.55	Pass
802.11n (20MHz)	5220	17.853	23.33	Pass
802.11n (20MHz)	5240	17.836	22.98	Pass
802.11n (40MHz)	5190	36.220	41.04	Pass
802.11n (40MHz)	5230	36.286	40.97	Pass
802.11ac (20MHz)	5180	17.879	23.03	Pass
802.11ac (20MHz)	5220	17.855	22.56	Pass
802.11ac (20MHz)	5240	17.812	23.49	Pass
802.11ac (40MHz)	5190	36.218	40.88	Pass
802.11ac (40MHz)	5230	36.226	41.19	Pass
802.11ac (80MHz)	5210	75.631	83.46	Pass
802.11a (20MHz)	5180	16.691	22.89	Pass
802.11a (20MHz)	5220	16.687	24.38	Pass
802.11a (20MHz)	5240	16.688	23.26	Pass

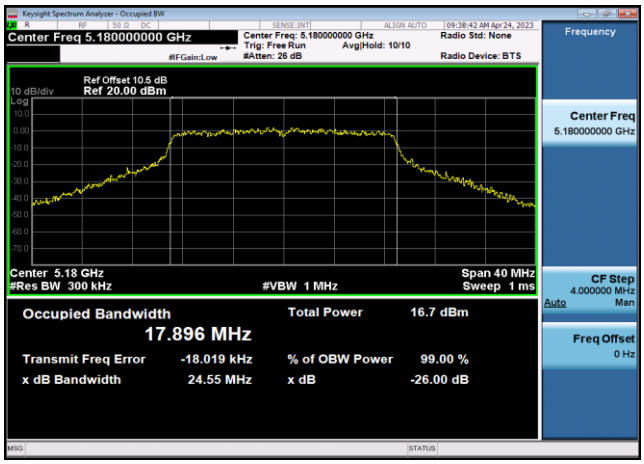
U-NII-2a 99% OBW & 26dB EBW				
Mode	Test Frequency (MHz)	99% OBW (MHz)	26dB EBW (MHz)	Result
802.11n (20MHz)	5260	17.883	23.12	Pass
802.11n (20MHz)	5300	17.848	23.58	Pass
802.11n (20MHz)	5320	17.874	23.00	Pass
802.11n (40MHz)	5270	36.225	41.04	Pass
802.11n (40MHz)	5310	36.264	41.17	Pass
802.11ac (20MHz)	5260	17.845	24.55	Pass
802.11ac (20MHz)	5300	17.854	23.07	Pass
802.11ac (20MHz)	5320	17.885	23.01	Pass
802.11ac (40MHz)	5270	36.175	40.86	Pass
802.11ac (40MHz)	5310	36.235	40.89	Pass
802.11ac (80MHz)	5290	75.671	84.43	Pass
802.11a (20MHz)	5260	16.660	24.06	Pass
802.11a (20MHz)	5300	16.719	22.72	Pass
802.11a (20MHz)	5320	16.675	24.15	Pass

U-NII-2c 99% OBW & 26dB EBW				
Mode	Test Frequency (MHz)	99% OBW (MHz)	26dB EBW (MHz)	Result
802.11n (20MHz)	5500	17.978	24.46	Pass
802.11n (20MHz)	5600	18.006	25.26	Pass
802.11n (20MHz)	5700	18.102	27.87	Pass
802.11n (40MHz)	5510	36.294	44.69	Pass
802.11n (40MHz)	5590	36.389	42.75	Pass
802.11n (40MHz)	5670	36.360	45.59	Pass
802.11ac (20MHz)	5500	17.884	24.21	Pass
802.11ac (20MHz)	5600	17.973	24.05	Pass
802.11ac (20MHz)	5700	17.932	24.56	Pass
802.11ac (40MHz)	5510	36.252	41.41	Pass
802.11ac (40MHz)	5590	36.333	41.97	Pass
802.11ac (40MHz)	5670	36.325	42.43	Pass
802.11ac (80MHz)	5530	75.729	83.51	Pass
802.11ac (80MHz)	5610	75.802	87.37	Pass
802.11a (20MHz)	5500	16.835	24.76	Pass
802.11a (20MHz)	5600	17.000	27.32	Pass
802.11a (20MHz)	5700	17.162	28.67	Pass

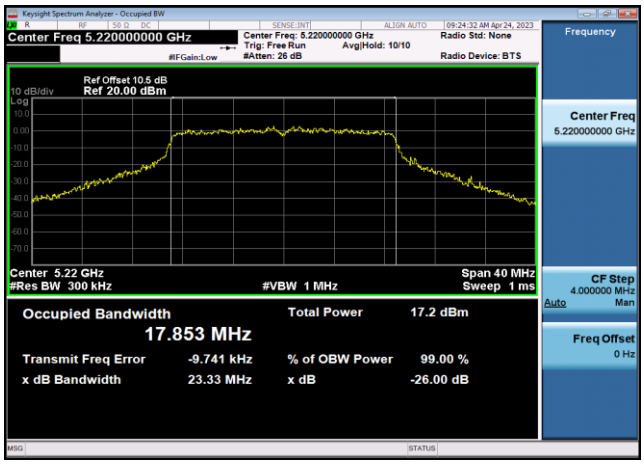
U-NII-3 99% OBW & 26dB EBW				
Mode	Test Frequency (MHz)	99% OBW (MHz)	26dB EBW (MHz)	Result
802.11n (20MHz)	5745	18.031	25.53	Pass
802.11n (20MHz)	5785	18.027	26.31	Pass
802.11n (20MHz)	5825	17.981	27.25	Pass
802.11n (40MHz)	5755	36.347	42.44	Pass
802.11n (40MHz)	5795	36.425	41.72	Pass
802.11ac (20MHz)	5745	17.993	25.74	Pass
802.11ac (20MHz)	5785	17.980	25.46	Pass
802.11ac (20MHz)	5825	17.960	26.12	Pass
802.11ac (40MHz)	5755	36.355	42.18	Pass
802.11ac (40MHz)	5795	36.291	41.98	Pass
802.11ac (80MHz)	5775	75.828	84.40	Pass
802.11a (20MHz)	5745	17.025	25.86	Pass
802.11a (20MHz)	5785	16.987	25.42	Pass
802.11a (20MHz)	5825	16.974	26.74	Pass

Test Plots

U-NII-1 26dB&99% Bandwidth-802.11n(20MHz) ,5180MHz,Ant1

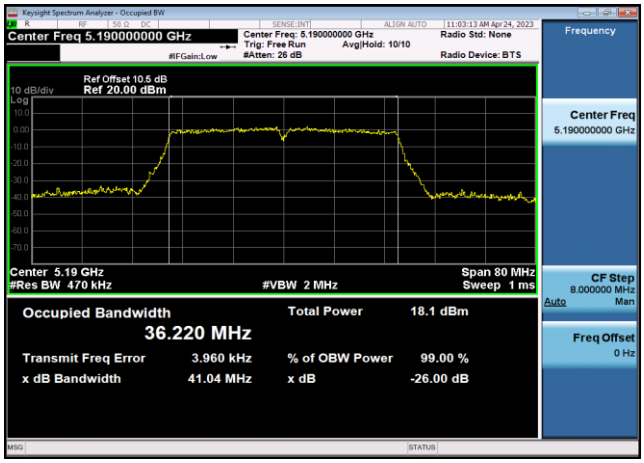


U-NII-1 26dB&99% Bandwidth-802.11n(20MHz) ,5220MHz,Ant1

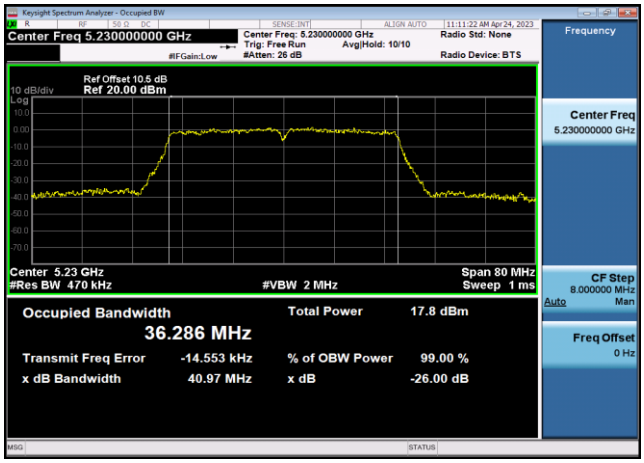


U-NII-1 26dB&99% Bandwidth-802.11n(20MHz) ,5240MHz,Ant1

U-NII-1 26dB&99% Bandwidth-802.11n(40MHz) ,5190MHz,Ant1



U-NII-1 26dB&99% Bandwidth-802.11n(40MHz) ,5230MHz,Ant1



U-NII-1 26dB&99% Bandwidth-802.11a(20MHz) ,5180MHz,Ant1