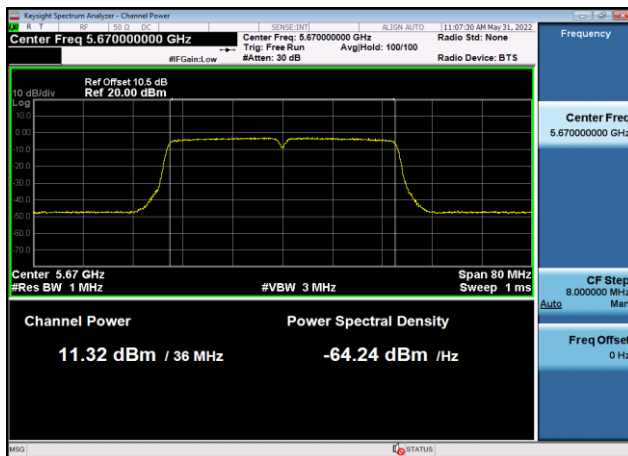
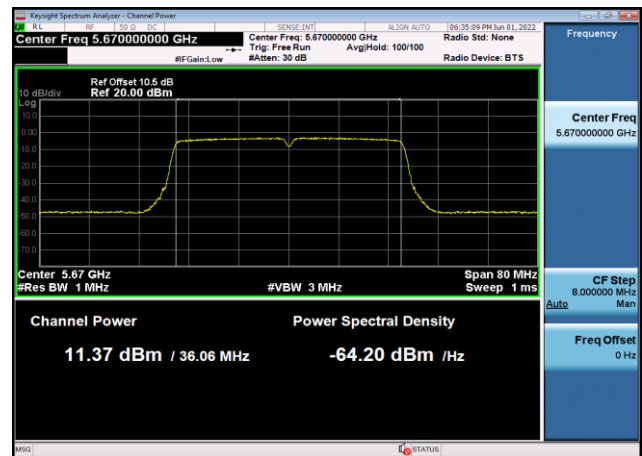


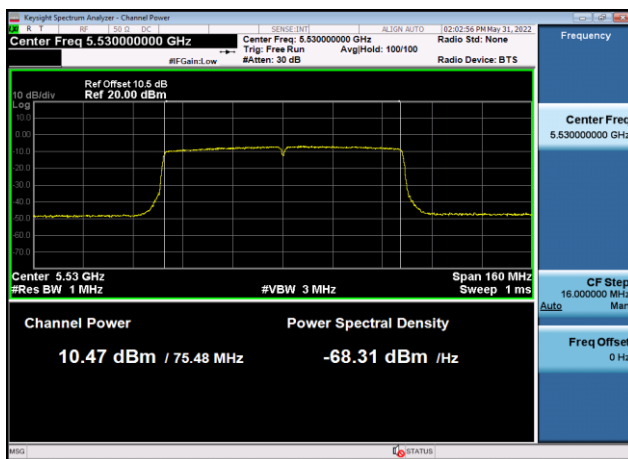
U-NII-2c Output Power-802.11ac(40MHz)
,5670MHz,Ant9



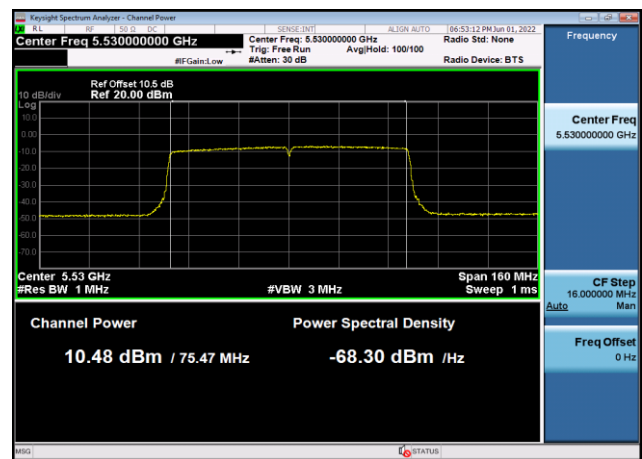
U-NII-2c Output Power-802.11ac(40MHz)
,5670MHz,Ant8



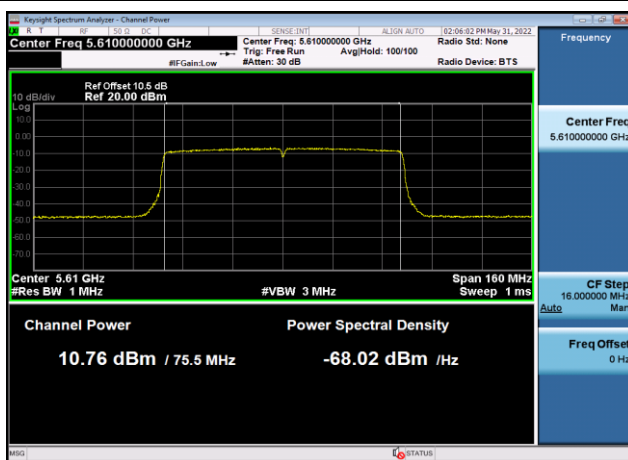
U-NII-2c Output Power-802.11ac(80MHz)
,5530MHz,Ant9



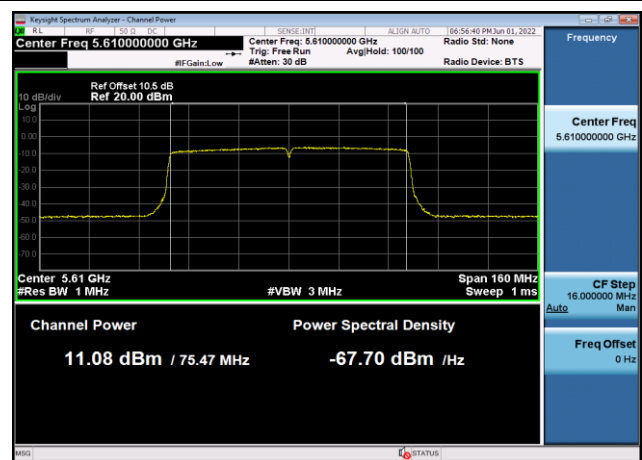
U-NII-2c Output Power-802.11ac(80MHz)
,5530MHz,Ant8



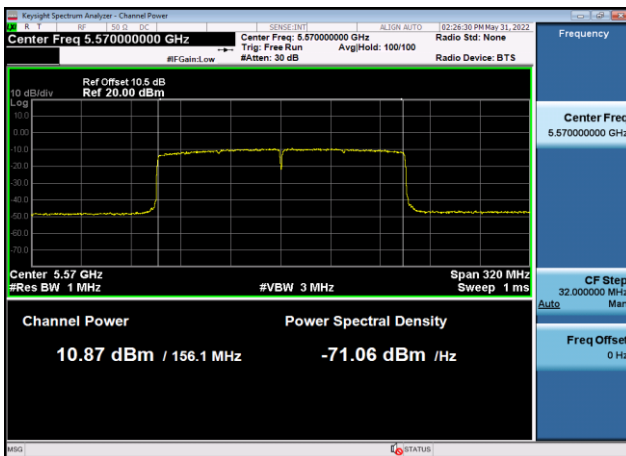
U-NII-2c Output Power-802.11ac(80MHz)
,5610MHz,Ant9



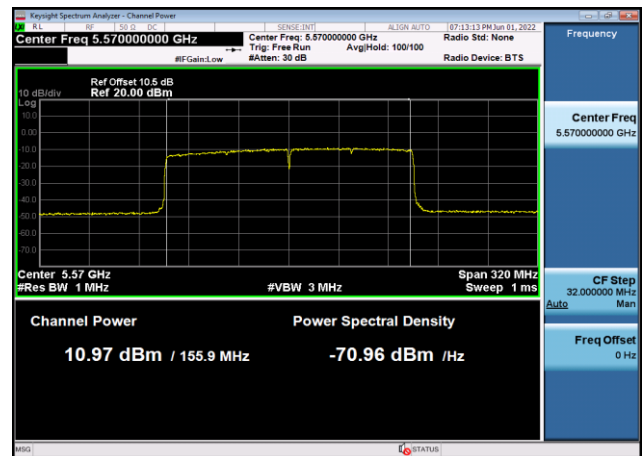
U-NII-2c Output Power-802.11ac(80MHz)
,5610MHz,Ant8



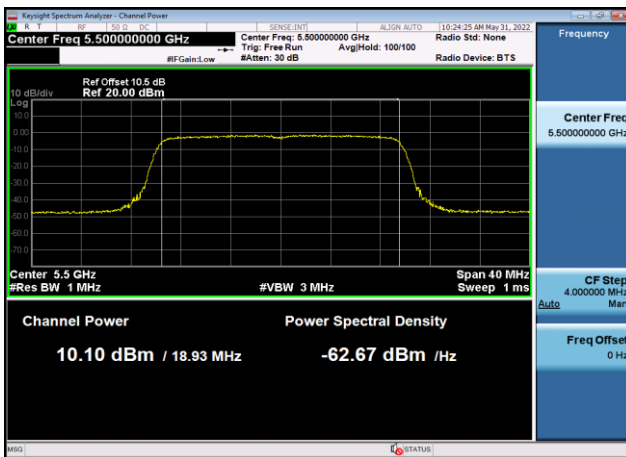
U-NII-2c Output Power-802.11ax(160MHz)
,5570MHz,Ant9



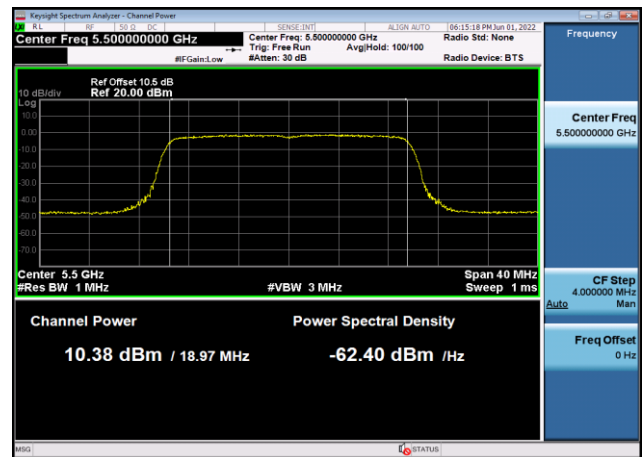
U-NII-2c Output Power-802.11ax(160MHz)
,5570MHz,Ant8



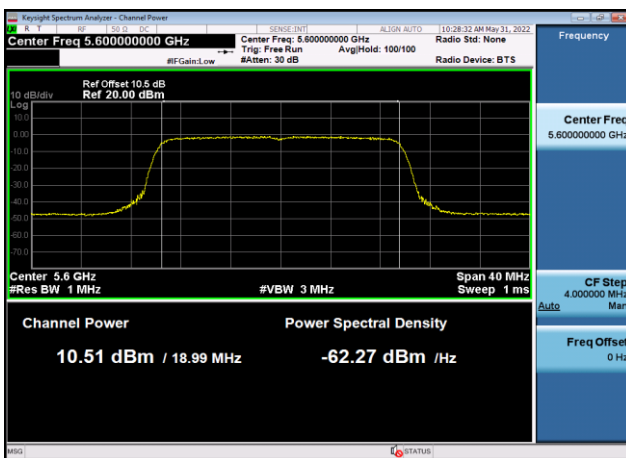
U-NII-2c Output Power-802.11ax(20MHz)
,5500MHz,Ant9



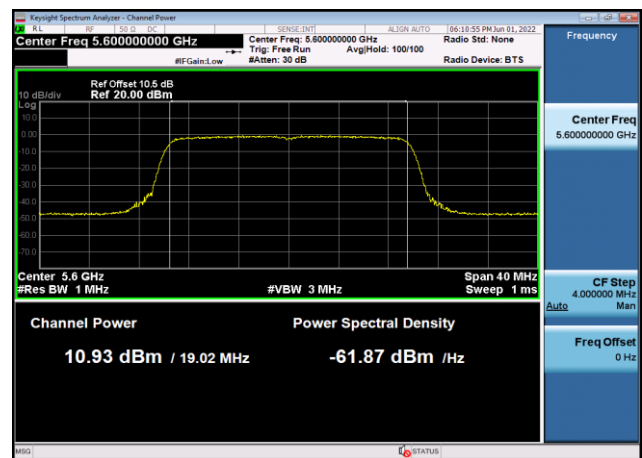
U-NII-2c Output Power-802.11ax(20MHz)
,5500MHz,Ant8



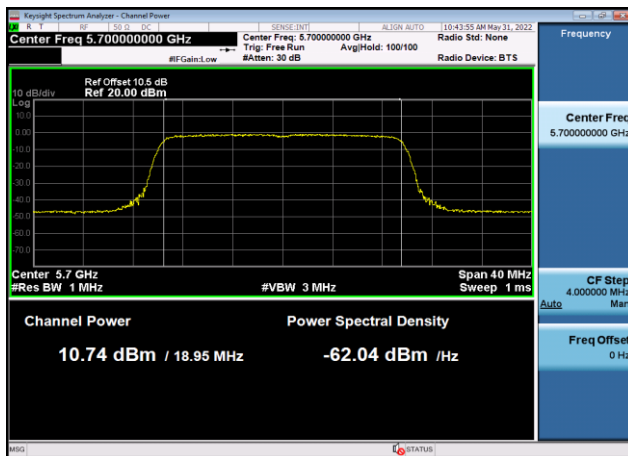
U-NII-2c Output Power-802.11ax(20MHz)
,5600MHz,Ant9



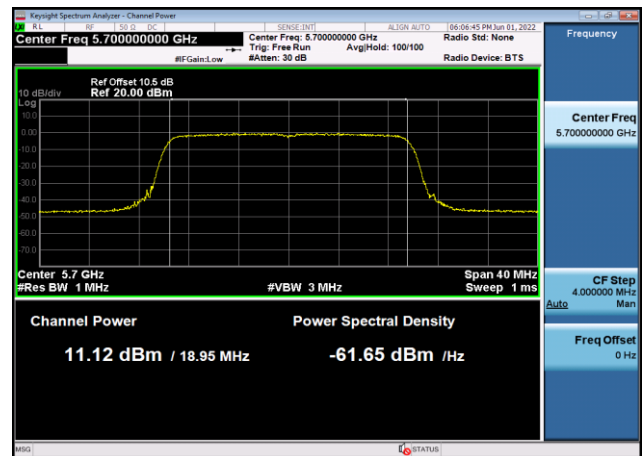
U-NII-2c Output Power-802.11ax(20MHz)
,5600MHz,Ant8



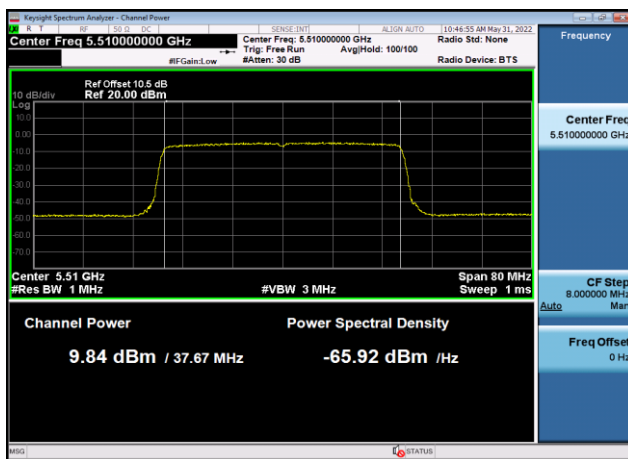
U-NII-2c Output Power-802.11ax(20MHz)
,5700MHz,Ant9



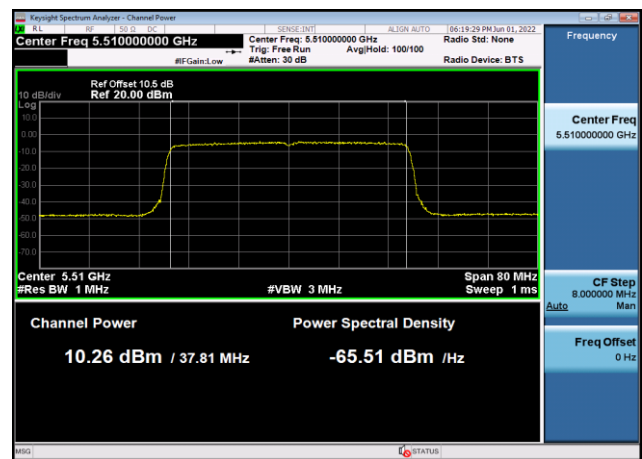
U-NII-2c Output Power-802.11ax(20MHz)
,5700MHz,Ant8



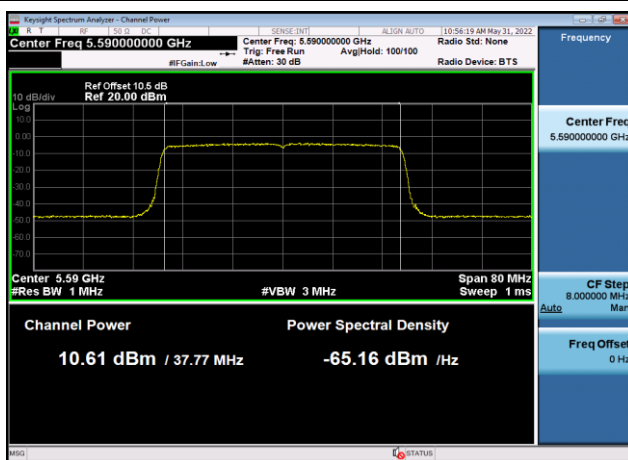
U-NII-2c Output Power-802.11ax(40MHz)
,5510MHz,Ant9



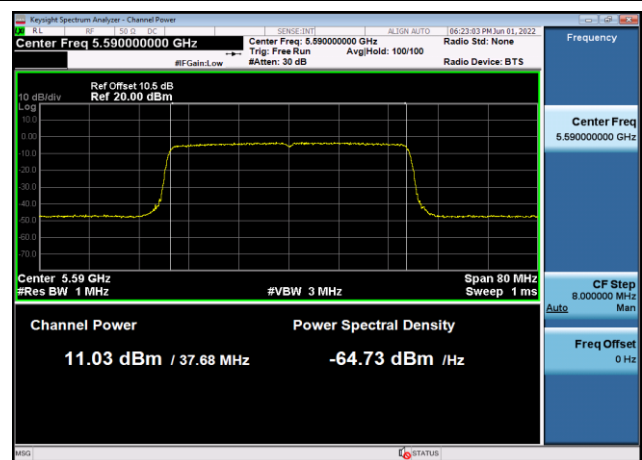
U-NII-2c Output Power-802.11ax(40MHz)
,5510MHz,Ant8



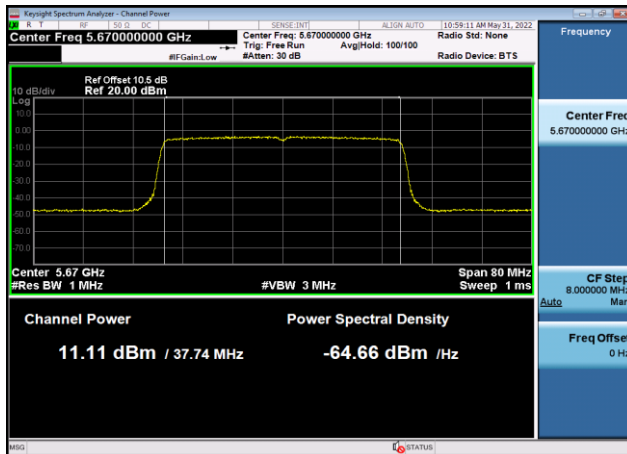
U-NII-2c Output Power-802.11ax(40MHz)
,5590MHz,Ant9



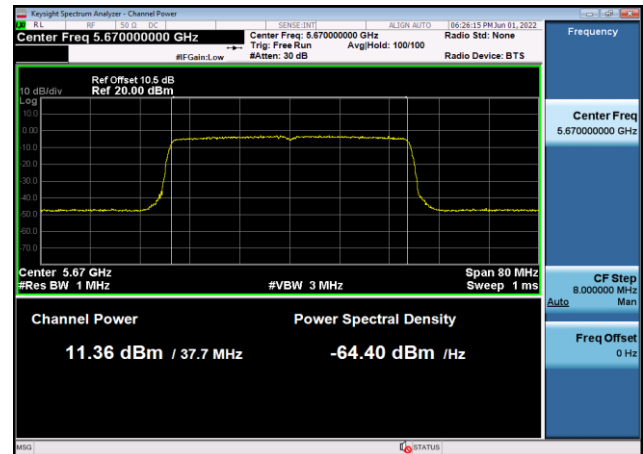
U-NII-2c Output Power-802.11ax(40MHz)
,5590MHz,Ant8



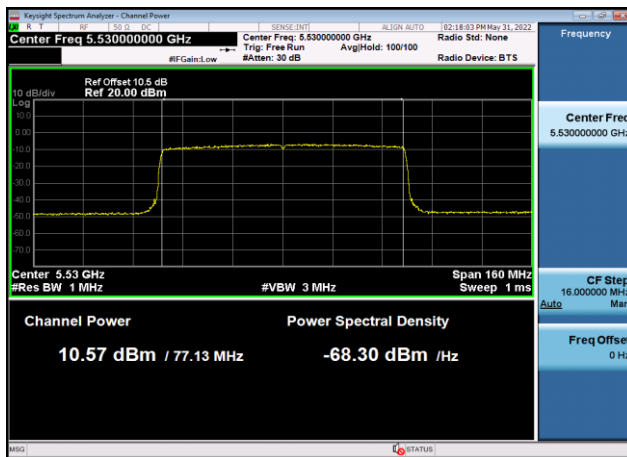
U-NII-2c Output Power-802.11ax(40MHz)
,5670MHz,Ant9



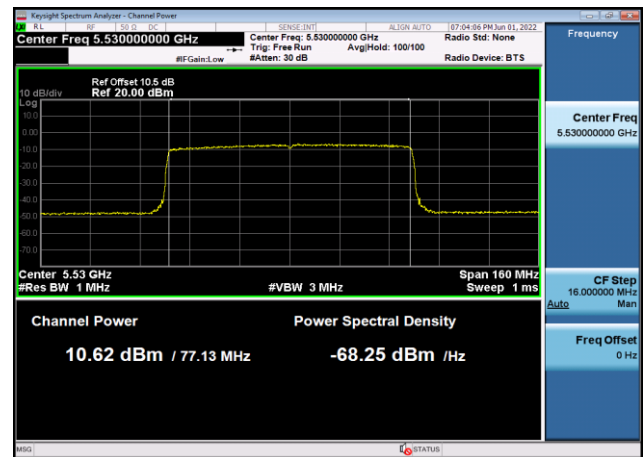
U-NII-2c Output Power-802.11ax(40MHz)
,5670MHz,Ant8



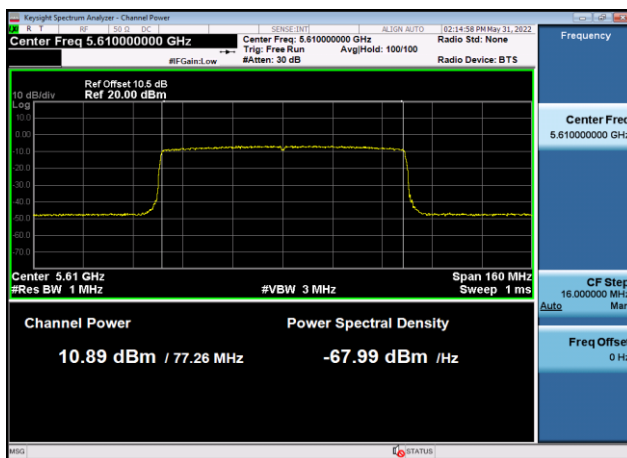
U-NII-2c Output Power-802.11ax(80MHz)
,5530MHz,Ant9



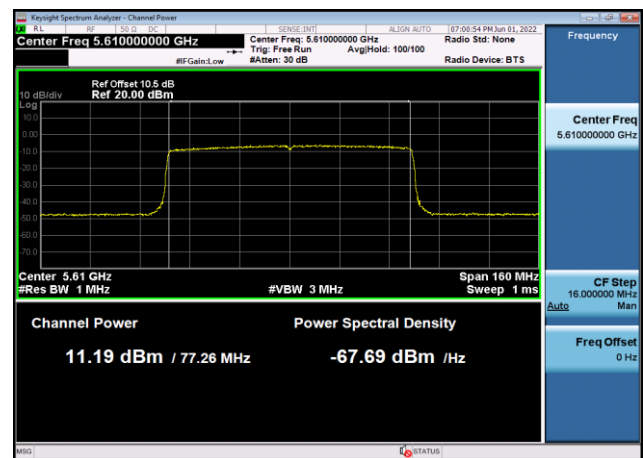
U-NII-2c Output Power-802.11ax(80MHz)
,5530MHz,Ant8



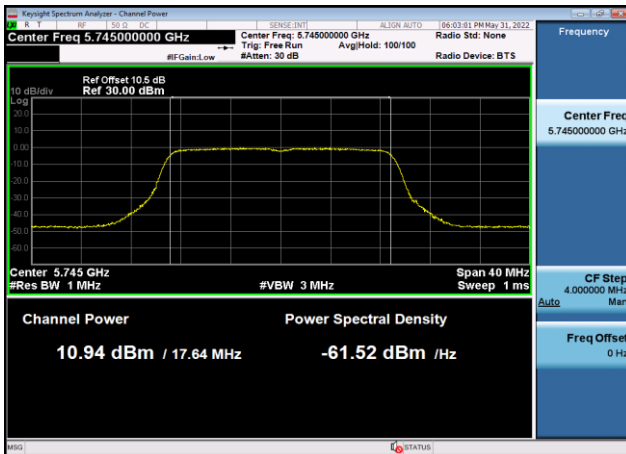
U-NII-2c Output Power-802.11ax(80MHz)
,5610MHz,Ant9



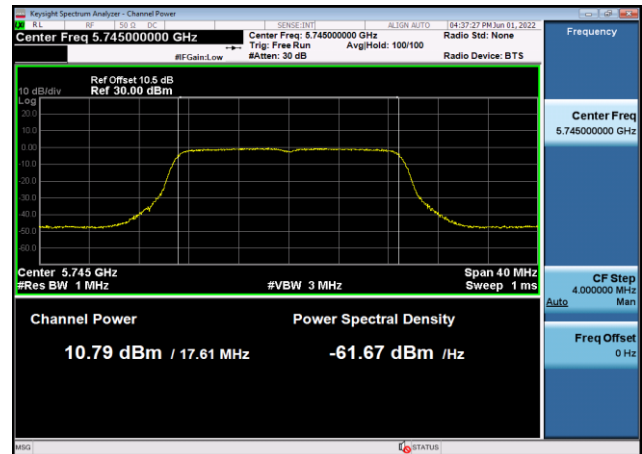
U-NII-2c Output Power-802.11ax(80MHz)
,5610MHz,Ant8



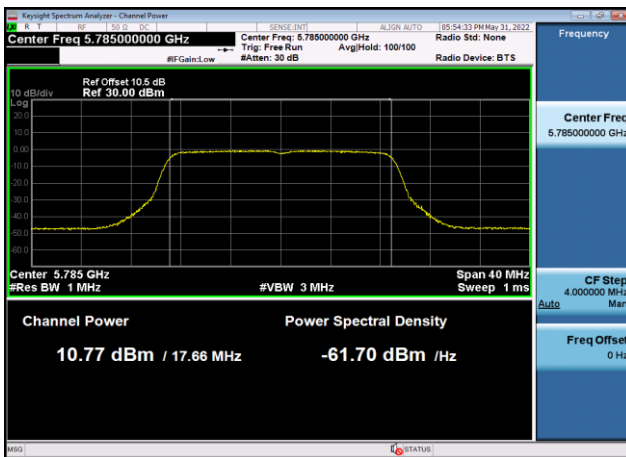
U-NII-3 Output Power-802.11n(20MHz)
,5745MHz,Ant9



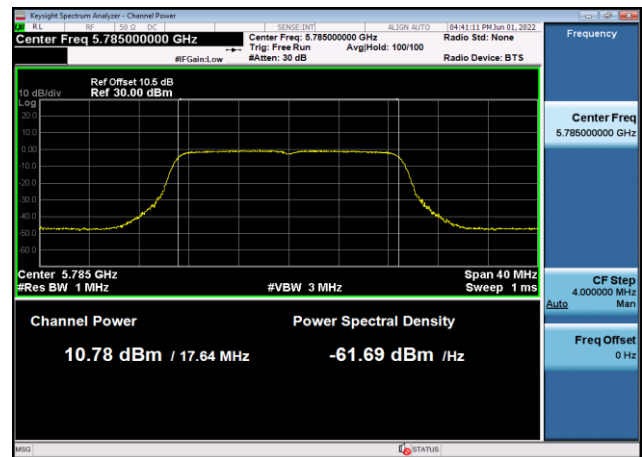
U-NII-3 Output Power-802.11n(20MHz)
,5745MHz,Ant8



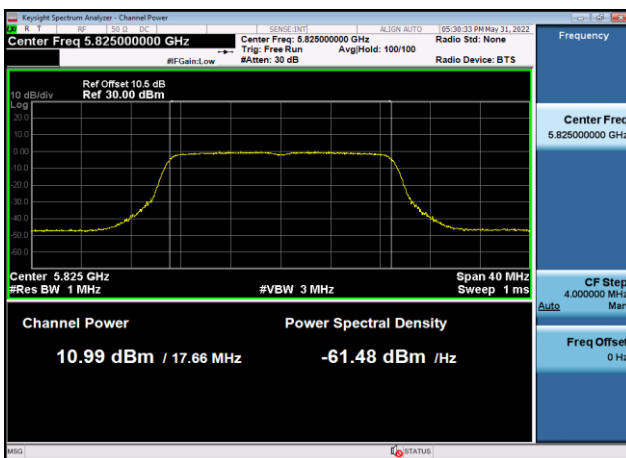
U-NII-3 Output Power-802.11n(20MHz)
,5785MHz,Ant9



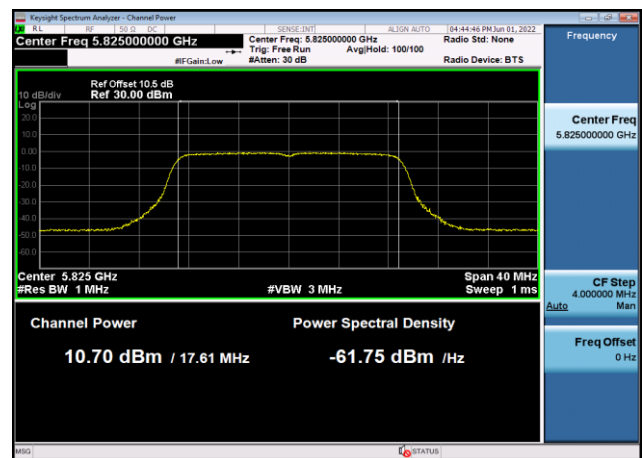
U-NII-3 Output Power-802.11n(20MHz)
,5785MHz,Ant8



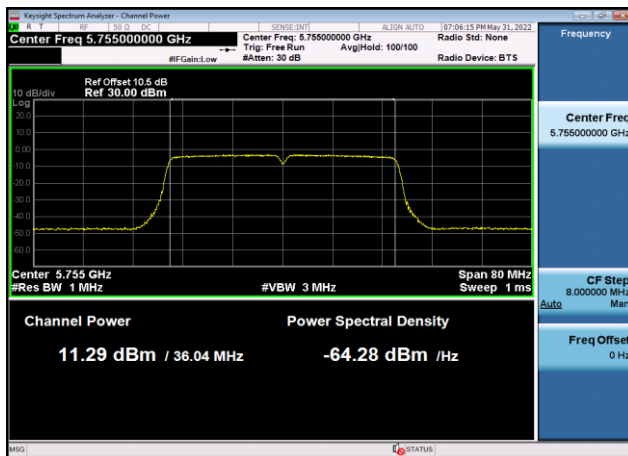
U-NII-3 Output Power-802.11n(20MHz)
,5825MHz,Ant9



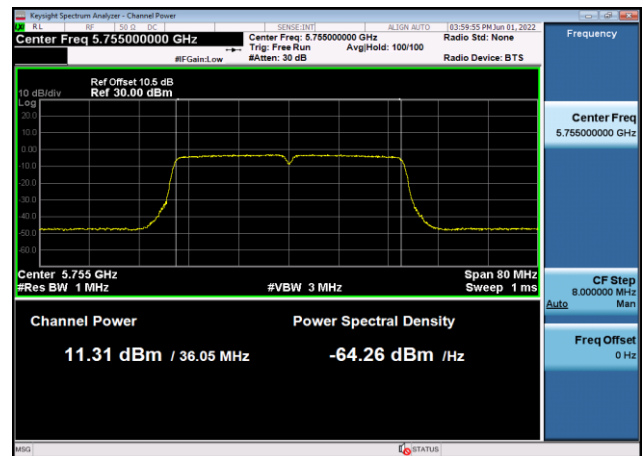
U-NII-3 Output Power-802.11n(20MHz)
,5825MHz,Ant8



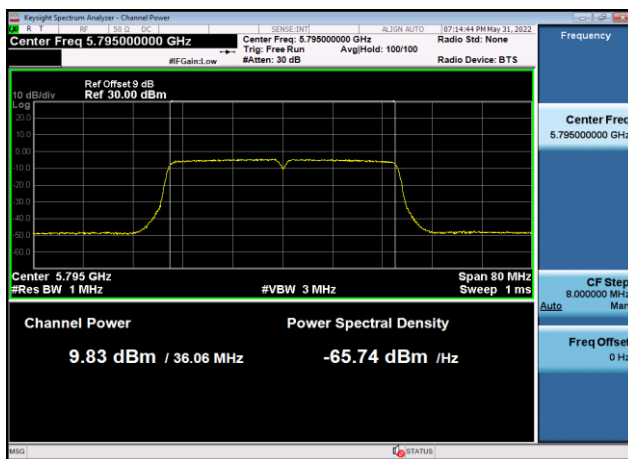
U-NII-3 Output Power-802.11n(40MHz)
,5755MHz,Ant9



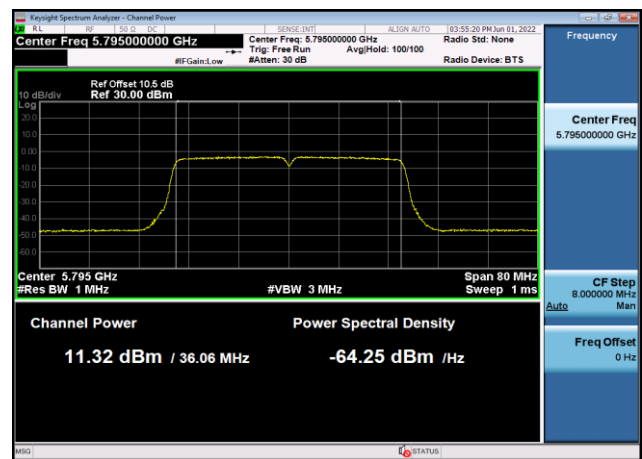
U-NII-3 Output Power-802.11n(40MHz)
,5755MHz,Ant8



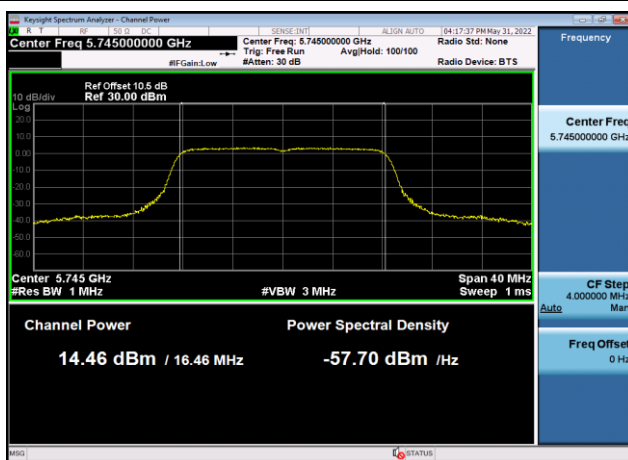
U-NII-3 Output Power-802.11n(40MHz)
,5795MHz,Ant9



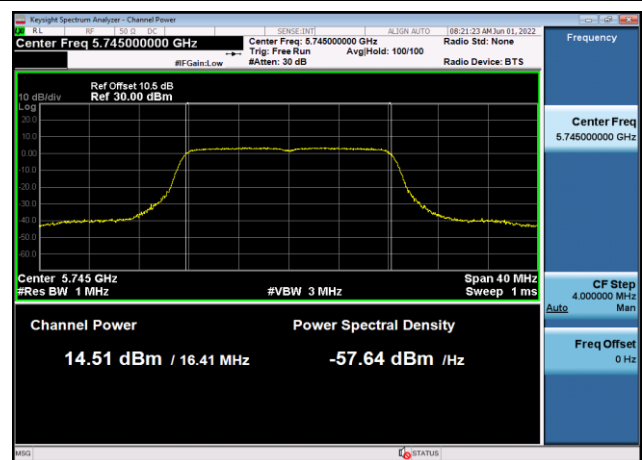
U-NII-3 Output Power-802.11n(40MHz)
,5795MHz,Ant8



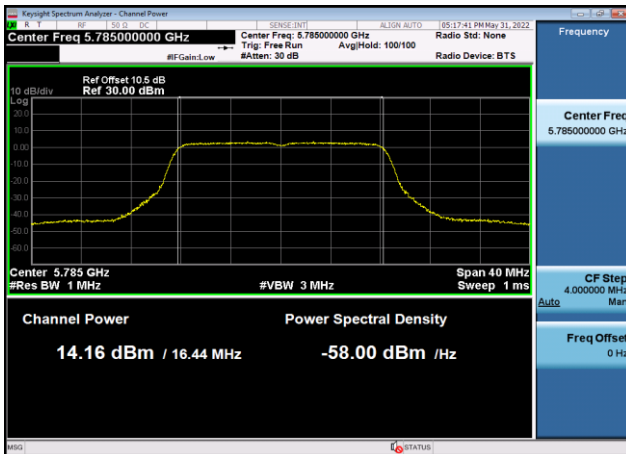
U-NII-3 Output Power-802.11a(20MHz)
,5745MHz,Ant9



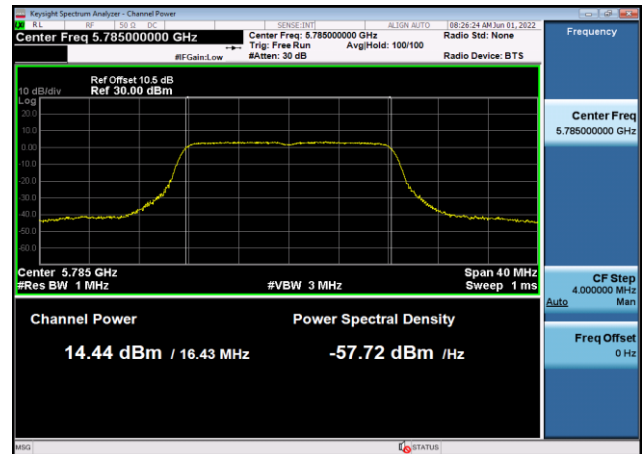
U-NII-3 Output Power-802.11a(20MHz)
,5745MHz,Ant8



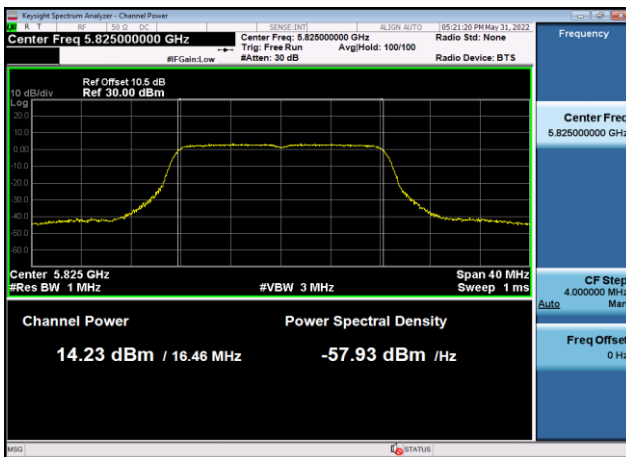
U-NII-3 Output Power-802.11a(20MHz)
,5785MHz,Ant9



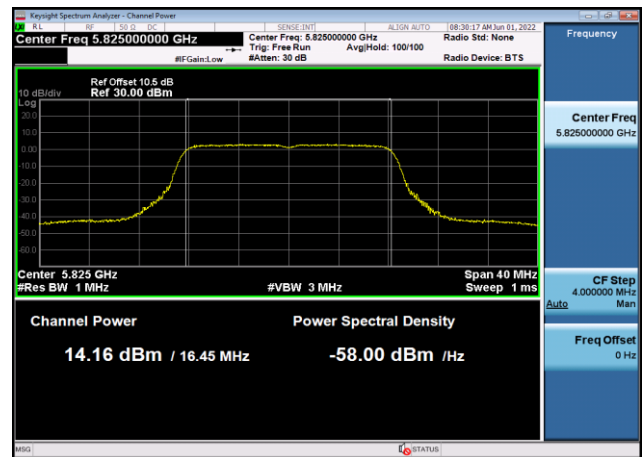
U-NII-3 Output Power-802.11a(20MHz)
,5785MHz,Ant8



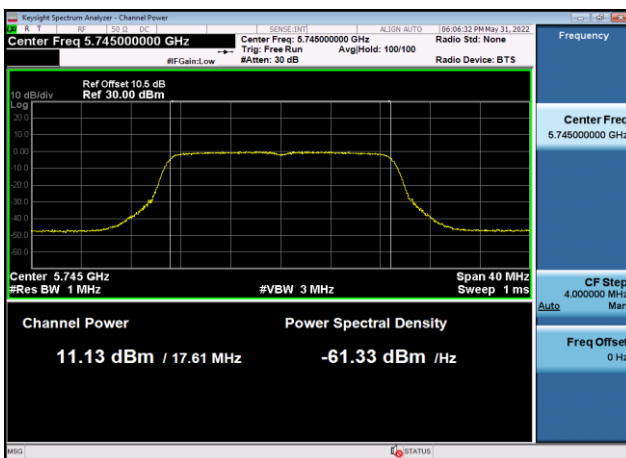
U-NII-3 Output Power-802.11a(20MHz)
,5825MHz,Ant9



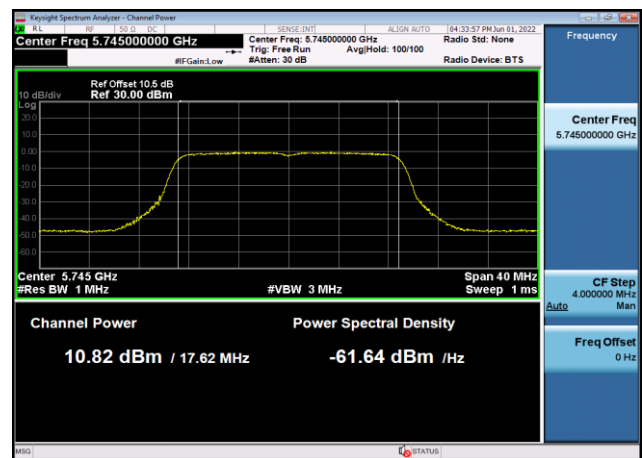
U-NII-3 Output Power-802.11a(20MHz)
,5825MHz,Ant8



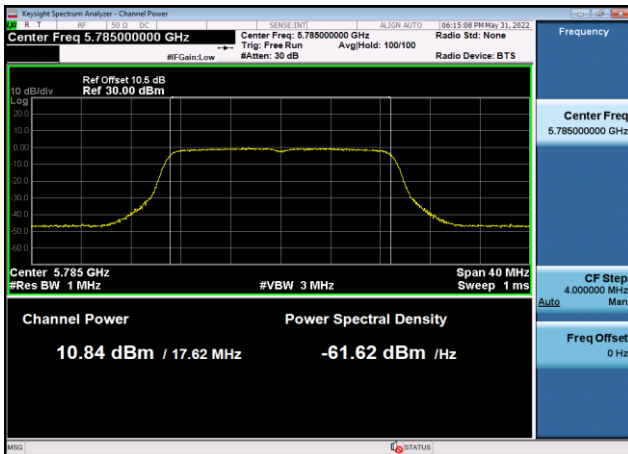
U-NII-3 Output Power-802.11ac(20MHz)
,5745MHz,Ant9



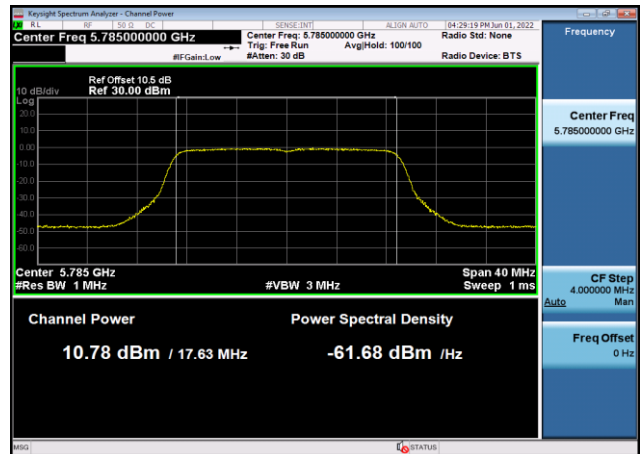
U-NII-3 Output Power-802.11ac(20MHz)
,5745MHz,Ant8



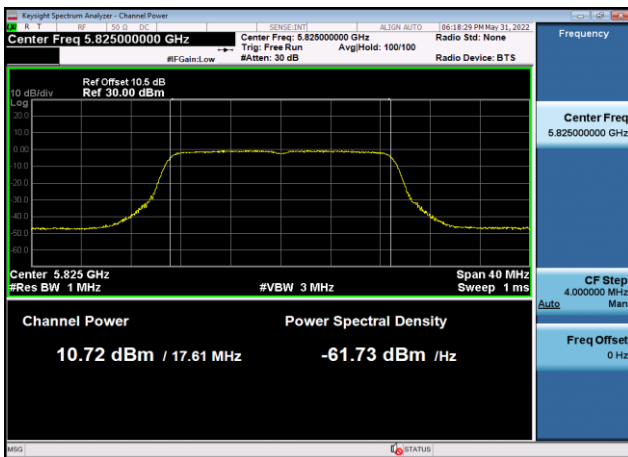
U-NII-3 Output Power-802.11ac(20MHz)
,5785MHz,Ant9



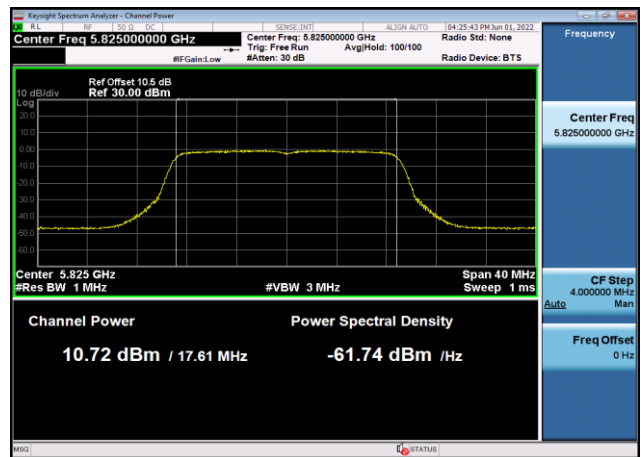
U-NII-3 Output Power-802.11ac(20MHz)
,5785MHz,Ant8



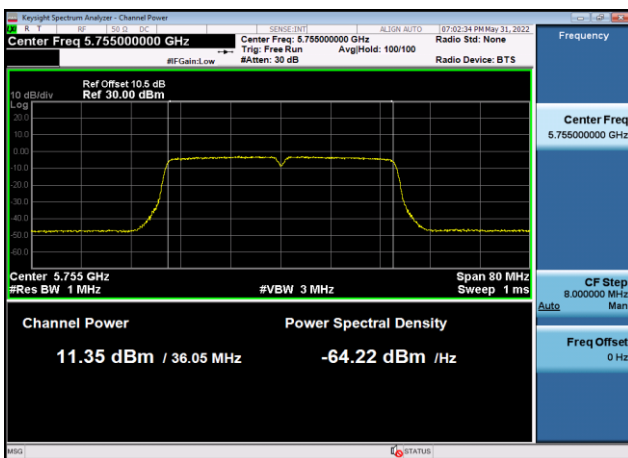
U-NII-3 Output Power-802.11ac(20MHz)
,5825MHz,Ant9



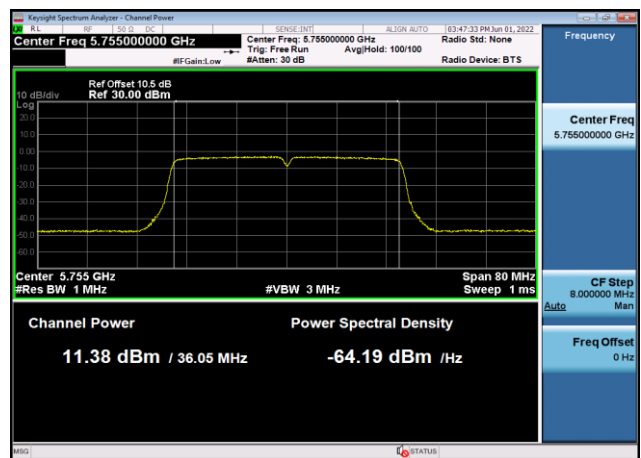
U-NII-3 Output Power-802.11ac(20MHz)
,5825MHz,Ant8



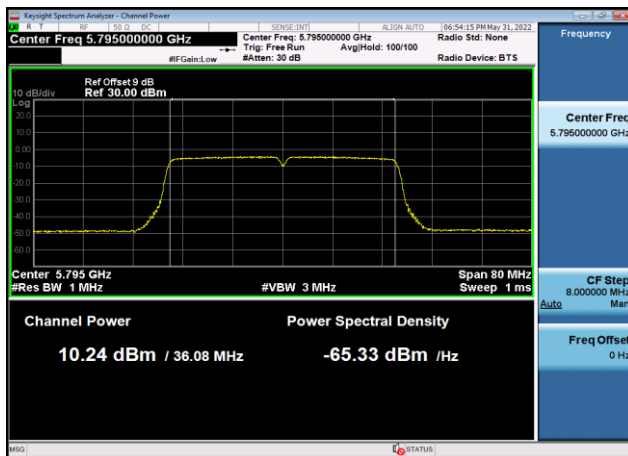
U-NII-3 Output Power-802.11ac(40MHz)
,5755MHz,Ant9



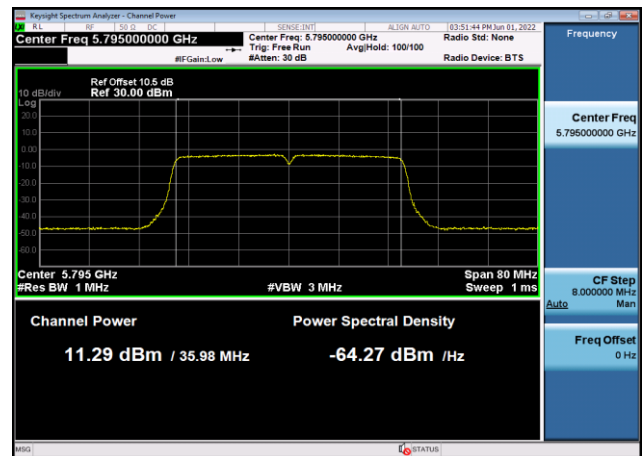
U-NII-3 Output Power-802.11ac(40MHz)
,5755MHz,Ant8



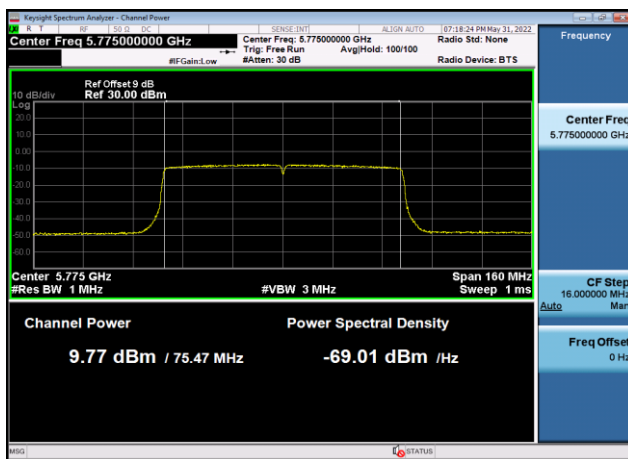
U-NII-3 Output Power-802.11ac(40MHz)
,5795MHz,Ant9



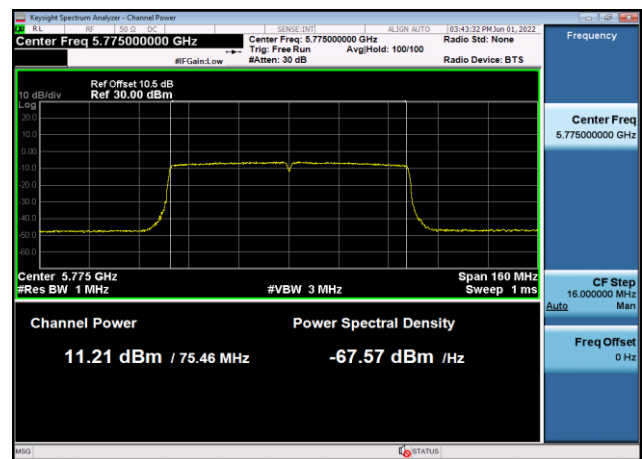
U-NII-3 Output Power-802.11ac(40MHz)
,5795MHz,Ant8



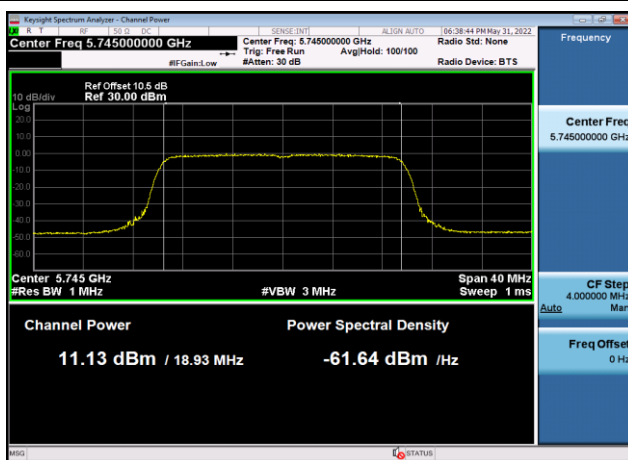
U-NII-3 Output Power-802.11ac(80MHz)
,5775MHz,Ant9



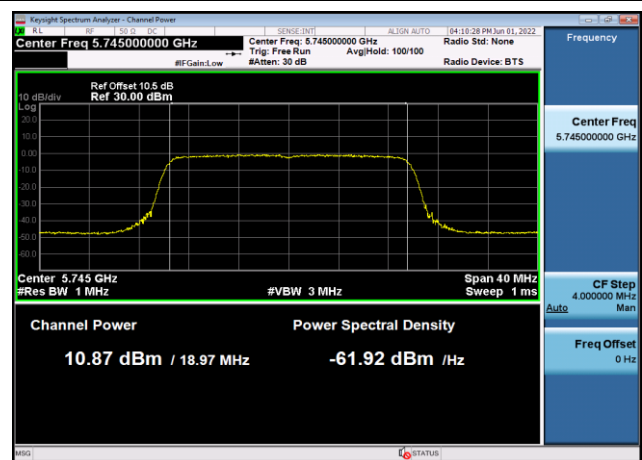
U-NII-3 Output Power-802.11ac(80MHz)
,5775MHz,Ant8



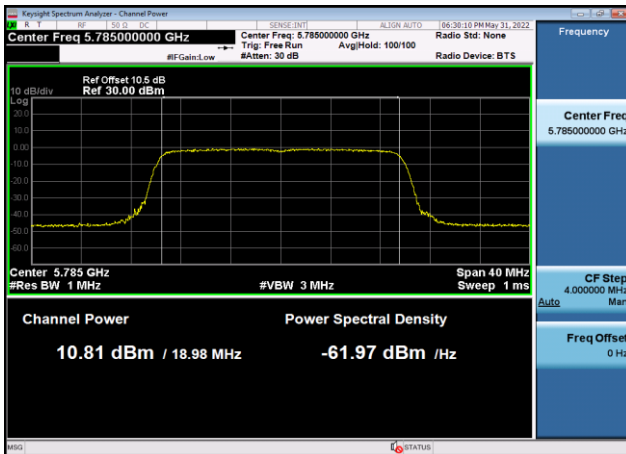
U-NII-3 Output Power-802.11ax(20MHz)
,5745MHz,Ant9



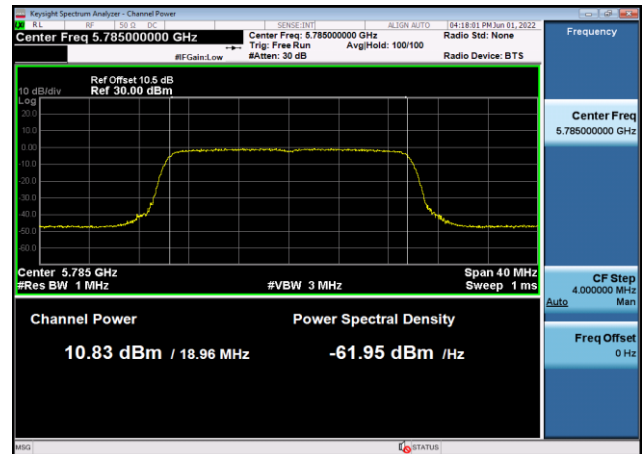
U-NII-3 Output Power-802.11ax(20MHz)
,5745MHz,Ant8



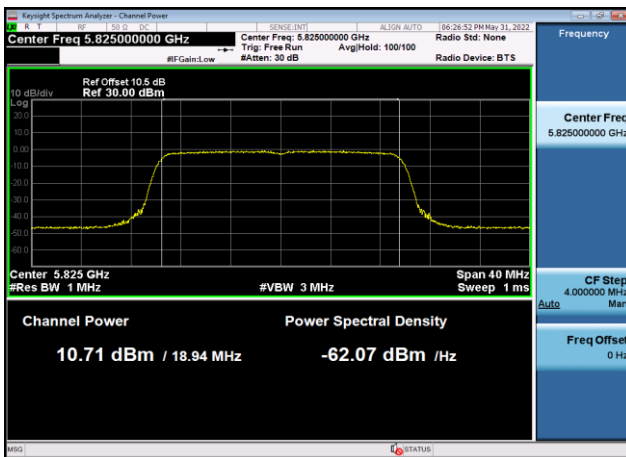
U-NII-3 Output Power-802.11ax(20MHz)
,5785MHz,Ant9



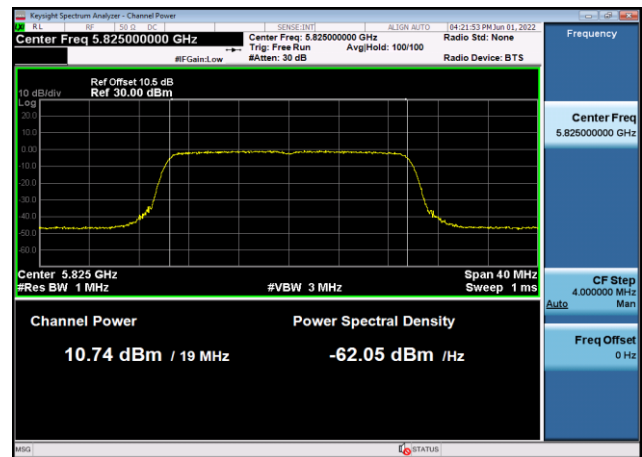
U-NII-3 Output Power-802.11ax(20MHz)
,5785MHz,Ant8



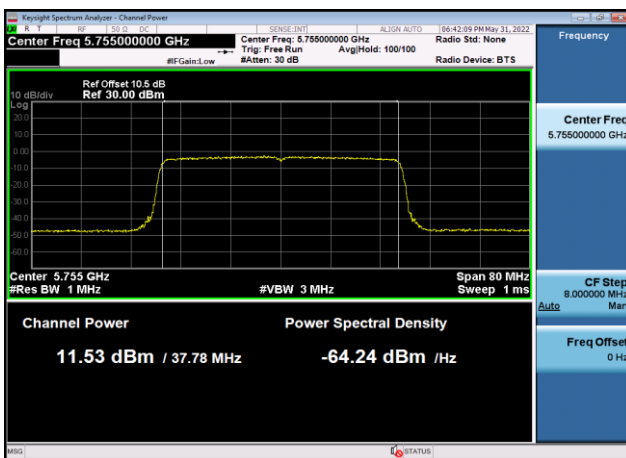
U-NII-3 Output Power-802.11ax(20MHz)
,5825MHz,Ant9



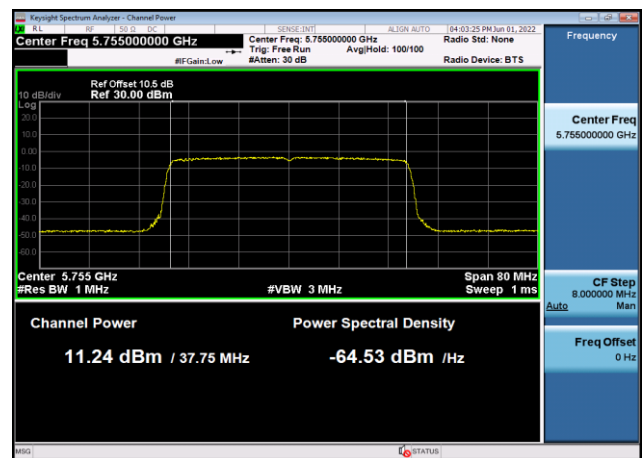
U-NII-3 Output Power-802.11ax(20MHz)
,5825MHz,Ant8



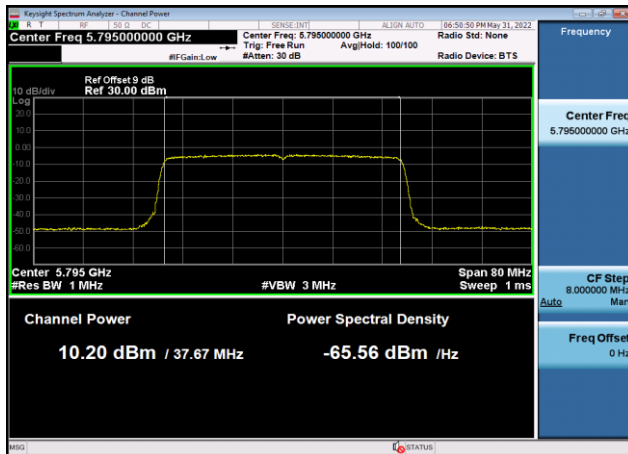
U-NII-3 Output Power-802.11ax(40MHz)
,5755MHz,Ant9



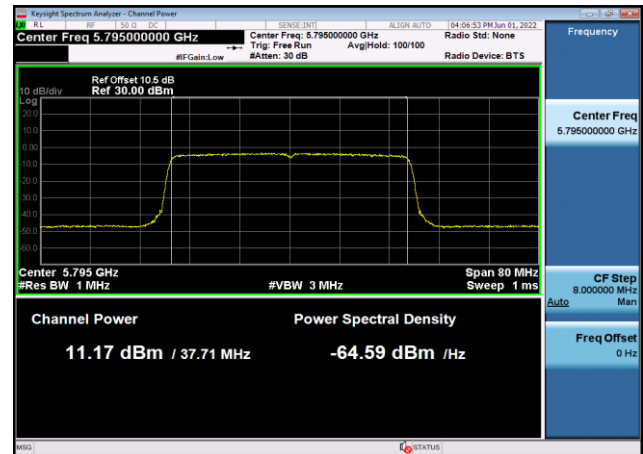
U-NII-3 Output Power-802.11ax(40MHz)
,5755MHz,Ant8



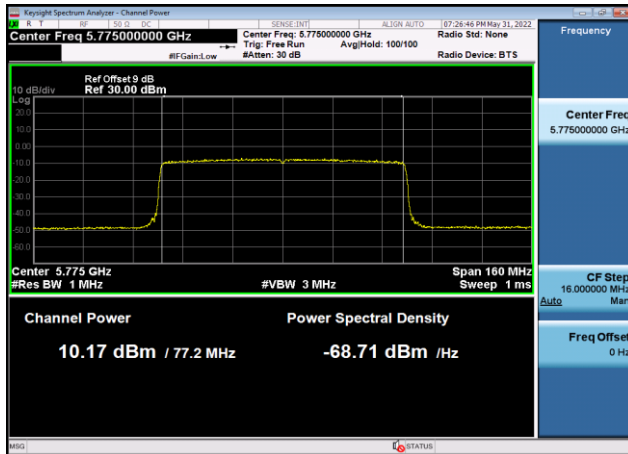
U-NII-3 Output Power-802.11ax(40MHz)
,5795MHz,Ant9



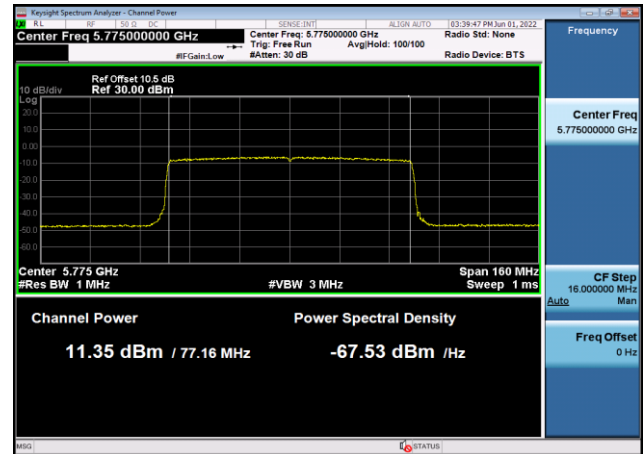
U-NII-3 Output Power-802.11ax(40MHz)
,5795MHz,Ant8



U-NII-3 Output Power-802.11ax(80MHz)
,5775MHz,Ant9



U-NII-3 Output Power-802.11ax(80MHz)
,5775MHz,Ant8



AVGSA Power Spectral Density Test Result and Data

U-NII-1 AVGSA Power Spectral Density								
Mode	Test Frequency (MHz)	Ant	PSD (dBm)	Total PSD (dBm)	Total EIRP. PSD (dBm)	IC EIRP Limit (dBm)	FCC Limit (dBm)	Result
802.11n (20MHz)	5180	Ant9	-0.389	2.44	3.35	10	11	Pass
802.11n (20MHz)	5180	Ant8	-0.756					
802.11n (20MHz)	5220	Ant9	-0.658	2.33	3.24	10	11	Pass
802.11n (20MHz)	5220	Ant8	-0.702					
802.11n (20MHz)	5240	Ant9	-0.62	2.31	3.22	10	11	Pass
802.11n (20MHz)	5240	Ant8	-0.789					
802.11n (40MHz)	5190	Ant9	-3.378	-0.40	0.51	10	11	Pass
802.11n (40MHz)	5190	Ant8	-3.45					
802.11n (40MHz)	5230	Ant9	-3.744	-0.60	0.31	10	11	Pass
802.11n (40MHz)	5230	Ant8	-3.472					
802.11ac (20MHz)	5180	Ant9	-0.233	2.58	3.49	10	11	Pass
802.11ac (20MHz)	5180	Ant8	-0.638					
802.11ac (20MHz)	5220	Ant9	-0.799	2.22	3.13	10	11	Pass
802.11ac (20MHz)	5220	Ant8	-0.774					
802.11ac (20MHz)	5240	Ant9	-0.707	2.30	3.21	10	11	Pass
802.11ac (20MHz)	5240	Ant8	-0.704					
802.11ac (40MHz)	5190	Ant9	-3.059	-0.01	0.90	10	11	Pass
802.11ac (40MHz)	5190	Ant8	-2.98					
802.11ac (40MHz)	5230	Ant9	-3.136	-0.22	0.69	10	11	Pass
802.11ac (40MHz)	5230	Ant8	-3.323					
802.11ac (80MHz)	5210	Ant9	-6.404	-3.61	-2.70	10	11	Pass
802.11ac (80MHz)	5210	Ant8	-6.848					
802.11a (20MHz)	5180	Ant9	2.996	/	1.50	10	11	Pass
802.11a (20MHz)	5180	Ant8	3.013	/	0.21	10	11	Pass
802.11a (20MHz)	5220	Ant9	2.969	/	1.47	10	11	Pass
802.11a (20MHz)	5220	Ant8	2.943	/	0.14	10	11	Pass
802.11a (20MHz)	5240	Ant9	2.703	/	1.20	10	11	Pass
802.11a (20MHz)	5240	Ant8	2.88	/	0.08	10	11	Pass
802.11ax (20MHz)	5180	Ant9	-0.225	2.52	3.43	10	11	Pass
802.11ax (20MHz)	5180	Ant8	-0.767					
802.11ax (20MHz)	5220	Ant9	-0.876	2.32	3.23	10	11	Pass
802.11ax (20MHz)	5220	Ant8	-0.521					
802.11ax (20MHz)	5240	Ant9	-1.068	2.02	2.93	10	11	Pass
802.11ax (20MHz)	5240	Ant8	-0.905					



802.11ax (40MHz)	5190	Ant9	-2.936	-0.15	0.76	10	11	Pass
802.11ax (40MHz)	5190	Ant8	-3.398					
802.11ax (40MHz)	5230	Ant9	-3.736	-0.58	0.33	10	11	Pass
802.11ax (40MHz)	5230	Ant8	-3.441					
802.11ax (80MHz)	5210	Ant9	-6.365	-3.47	-2.56	10	11	Pass
802.11ax (80MHz)	5210	Ant8	-6.59					

Note:

1) ANT9 and ANT8 is 2*2MIMO.

2) Antenna Gain: Ant9: -1.5dBi; Ant8: -2.8dBi.

3) Directional Gain: 0.91dBi.

4) Total PSD = $10 \cdot \log \{10^{(\text{Ant 9 PSD}/10)} + 10^{(\text{Ant 8 PSD}/10)}\}$.

5) Total EIRP PSD = Total PSD + Directional Gain.

U-NII-2a AVGSA Power Spectral Density						
Mode	Frequency (MHz)	Ant	PSD (dBm)	Total PSD (dBm)	FCC&IC Limit (dBm)	Result
802.11n (20MHz)	5260	Ant9	-0.992	2.38	11	Pass
802.11n (20MHz)	5260	Ant8	-0.303			
802.11n (20MHz)	5300	Ant9	-2.098	1.79	11	Pass
802.11n (20MHz)	5300	Ant8	-0.491			
802.11n (20MHz)	5320	Ant9	-1.279	1.98	11	Pass
802.11n (20MHz)	5320	Ant8	-0.804			
802.11n (40MHz)	5270	Ant9	-3.485	-0.19	11	Pass
802.11n (40MHz)	5270	Ant8	-2.940			
802.11n (40MHz)	5310	Ant9	-5.160	-1.06	11	Pass
802.11n (40MHz)	5310	Ant8	-3.207			
802.11ac (20MHz)	5260	Ant9	-0.867	2.42	11	Pass
802.11ac (20MHz)	5260	Ant8	-0.337			
802.11ac (20MHz)	5300	Ant9	-1.391	1.93	11	Pass
802.11ac (20MHz)	5300	Ant8	-0.783			
802.11ac (20MHz)	5320	Ant9	-1.311	1.88	11	Pass
802.11ac (20MHz)	5320	Ant8	-0.955			
802.11ac (40MHz)	5270	Ant9	-3.143	-0.03	11	Pass
802.11ac (40MHz)	5270	Ant8	-2.944			
802.11ac (40MHz)	5310	Ant9	-5.200	-1.11	11	Pass
802.11ac (40MHz)	5310	Ant8	-3.261			
802.11ac (80MHz)	5290	Ant9	-6.454	-3.48	11	Pass
802.11ac (80MHz)	5290	Ant8	-6.520			
802.11ac (160MHz)	5250	Ant9	-8.964	-6.21	11	Pass
802.11ac (160MHz)	5250	Ant8	-9.496			
802.11a (20MHz)	5260	Ant9	2.677	/	11	Pass
802.11a (20MHz)	5260	Ant8	3.420	/	11	Pass
802.11a (20MHz)	5300	Ant9	2.567	/	11	Pass
802.11a (20MHz)	5300	Ant8	3.059	/	11	Pass
802.11a (20MHz)	5320	Ant9	2.433	/	11	Pass
802.11a (20MHz)	5320	Ant8	3.012	/	11	Pass
802.11ax (160MHz)	5250	Ant9	-9.177	-6.31	11	Pass
802.11ax (160MHz)	5250	Ant8	-9.468			
802.11ax (20MHz)	5260	Ant9	-1.053	2.19	11	Pass
802.11ax (20MHz)	5260	Ant8	-0.597			
802.11ax (20MHz)	5300	Ant9	-1.597	1.98	11	Pass
802.11ax (20MHz)	5300	Ant8	-0.536			
802.11ax (20MHz)	5320	Ant9	-1.344	1.90	11	Pass



802.11ax (20MHz)	5320	Ant8	-0.887			
802.11ax (40MHz)	5270	Ant9	-3.607	-0.45	11	Pass
802.11ax (40MHz)	5270	Ant8	-3.310			
802.11ax (40MHz)	5310	Ant9	-5.475	-1.33	11	Pass
802.11ax (40MHz)	5310	Ant8	-3.435			
802.11ax (80MHz)	5290	Ant9	-6.392	-3.38	11	Pass
802.11ax (80MHz)	5290	Ant8	-6.379			

Note:

- 1) ANT9 and ANT8 is 2*2MIMO.
- 2) Antenna Gain: Ant9: -1.5dBi; Ant8: -2.8dBi.
- 3) Directional Gain: 0.91dBi.
- 4) Total PSD = $10 \cdot \log \{10^{(\text{Ant 9 PSD}/10)} + 10^{(\text{Ant 8 PSD}/10)}\}$.

U-NII-2c AVGSA Power Spectral Density						
Mode	Frequency (MHz)	Ant	PSD (dBm)	Total PSD (dBm)	FCC&IC Limit (dBm)	Result
802.11n (20MHz)	5500	Ant9	-0.621	2.39	11	Pass
802.11n (20MHz)	5500	Ant8	-0.616			
802.11n (20MHz)	5600	Ant9	-0.542	2.63	11	Pass
802.11n (20MHz)	5600	Ant8	-0.225			
802.11n (20MHz)	5700	Ant9	0.069	3.04	11	Pass
802.11n (20MHz)	5700	Ant8	-0.017			
802.11n (40MHz)	5510	Ant9	-3.498	-0.58	11	Pass
802.11n (40MHz)	5510	Ant8	-3.677			
802.11n (40MHz)	5590	Ant9	-2.909	0.21	11	Pass
802.11n (40MHz)	5590	Ant8	-2.697			
802.11n (40MHz)	5670	Ant9	-2.249	0.75	11	Pass
802.11n (40MHz)	5670	Ant8	-2.274			
802.11ac (20MHz)	5500	Ant9	-0.279	2.64	11	Pass
802.11ac (20MHz)	5500	Ant8	-0.468			
802.11ac (20MHz)	5600	Ant9	0.055	2.99	11	Pass
802.11ac (20MHz)	5600	Ant8	-0.09			
802.11ac (20MHz)	5700	Ant9	0.159	3.25	11	Pass
802.11ac (20MHz)	5700	Ant8	0.326			
802.11ac (40MHz)	5510	Ant9	-3.574	-0.34	11	Pass
802.11ac (40MHz)	5510	Ant8	-3.136			
802.11ac (40MHz)	5590	Ant9	-2.814	0.24	11	Pass
802.11ac (40MHz)	5590	Ant8	-2.718			
802.11ac (40MHz)	5670	Ant9	-2.556	0.54	11	Pass
802.11ac (40MHz)	5670	Ant8	-2.387			
802.11ac (80MHz)	5530	Ant9	-6.394	-3.29	11	Pass
802.11ac (80MHz)	5530	Ant8	-6.212			
802.11ac (80MHz)	5610	Ant9	-6.237	-2.96	11	Pass
802.11ac (80MHz)	5610	Ant8	-5.717			
802.11ac (160MHz)	5570	Ant9	-8.815	-5.60	11	Pass
802.11ac (160MHz)	5570	Ant8	-8.419			
802.11a (20MHz)	5500	Ant9	3.315	/	11	Pass
802.11a (20MHz)	5500	Ant8	3.577	/	11	Pass
802.11a (20MHz)	5600	Ant9	3.428	/	11	Pass
802.11a (20MHz)	5600	Ant8	3.594	/	11	Pass
802.11a (20MHz)	5700	Ant9	3.31	/	11	Pass
802.11a (20MHz)	5700	Ant8	3.762	/	11	Pass
802.11ax (160MHz)	5570	Ant9	-9.083	-5.86	11	Pass



802.11ax (160MHz)	5570	Ant8	-8.67			
802.11ax (20MHz)	5500	Ant9	-1.048	2.35	11	Pass
802.11ax (20MHz)	5500	Ant8	-0.307			
802.11ax (20MHz)	5600	Ant9	-0.55	2.63	11	Pass
802.11ax (20MHz)	5600	Ant8	-0.223			
802.11ax (20MHz)	5700	Ant9	0.255	3.09	11	Pass
802.11ax (20MHz)	5700	Ant8	-0.11			
802.11ax (40MHz)	5510	Ant9	-3.748	-0.59	11	Pass
802.11ax (40MHz)	5510	Ant8	-3.459			
802.11ax (40MHz)	5590	Ant9	-3.245	0.06	11	Pass
802.11ax (40MHz)	5590	Ant8	-2.673			
802.11ax (40MHz)	5670	Ant9	-2.875	0.32	11	Pass
802.11ax (40MHz)	5670	Ant8	-2.505			
802.11ax (80MHz)	5530	Ant9	-5.749	-2.94	11	Pass
802.11ax (80MHz)	5530	Ant8	-6.164			
802.11ax (80MHz)	5610	Ant9	-6.032	-2.80	11	Pass
802.11ax (80MHz)	5610	Ant8	-5.602			

Note:

1) ANT9 and ANT8 is 2*2MIMO.

2) Antenna Gain: Ant9: -1.5dBi; Ant8: -2.8dBi.

3) Directional Gain: 0.91dBi.

4) Total PSD = $10 \cdot \log \{10^{(\text{Ant 9 PSD}/10)} + 10^{(\text{Ant 8 PSD}/10)}\}$.

U-NII-3 AVGSA Power Spectral Density						
Mode	Frequency (MHz)	Ant	PSD (dBm)	Total PSD (dBm)	FCC&IC Limit (dBm)	Result
802.11n (20MHz)	5745	Ant9	-3.013	-0.08	30	Pass
802.11n (20MHz)	5745	Ant8	-3.17			
802.11n (20MHz)	5785	Ant9	-3.212	-0.27	30	Pass
802.11n (20MHz)	5785	Ant8	-3.346			
802.11n (20MHz)	5825	Ant9	-2.605	0.18	30	Pass
802.11n (20MHz)	5825	Ant8	-3.069			
802.11n (40MHz)	5755	Ant9	-5.482	-2.57	30	Pass
802.11n (40MHz)	5755	Ant8	-5.675			
802.11n (40MHz)	5795	Ant9	-6.969	-3.29	30	Pass
802.11n (40MHz)	5795	Ant8	-5.718			
802.11ac (20MHz)	5745	Ant9	-2.949	-0.01	30	Pass
802.11ac (20MHz)	5745	Ant8	-3.1			
802.11ac (20MHz)	5785	Ant9	-3.175	-0.15	30	Pass
802.11ac (20MHz)	5785	Ant8	-3.154			
802.11ac (20MHz)	5825	Ant9	-3.058	0.03	30	Pass
802.11ac (20MHz)	5825	Ant8	-2.907			
802.11ac (40MHz)	5755	Ant9	-5.493	-2.52	30	Pass
802.11ac (40MHz)	5755	Ant8	-5.566			
802.11ac (40MHz)	5795	Ant9	-6.795	-2.88	30	Pass
802.11ac (40MHz)	5795	Ant8	-5.142			
802.11ac (80MHz)	5775	Ant9	-10.436	-6.32	30	Pass
802.11ac (80MHz)	5775	Ant8	-8.446			
802.11a (20MHz)	5745	Ant9	0.928	/	30	Pass
802.11a (20MHz)	5745	Ant8	0.52	/	30	Pass
802.11a (20MHz)	5785	Ant9	0.35	/	30	Pass
802.11a (20MHz)	5785	Ant8	0.754	/	30	Pass
802.11a (20MHz)	5825	Ant9	0.594	/	30	Pass
802.11a (20MHz)	5825	Ant8	0.495	/	30	Pass
802.11ax (20MHz)	5745	Ant9	-2.966	-0.17	30	Pass
802.11ax (20MHz)	5745	Ant8	-3.404			
802.11ax (20MHz)	5785	Ant9	-3.39	-0.34	30	Pass
802.11ax (20MHz)	5785	Ant8	-3.311			
802.11ax (20MHz)	5825	Ant9	-3.253	-0.22	30	Pass
802.11ax (20MHz)	5825	Ant8	-3.203			
802.11ax (40MHz)	5755	Ant9	-5.28	-2.42	30	Pass
802.11ax (40MHz)	5755	Ant8	-5.583			
802.11ax (40MHz)	5795	Ant9	-6.791	-3.27	30	Pass



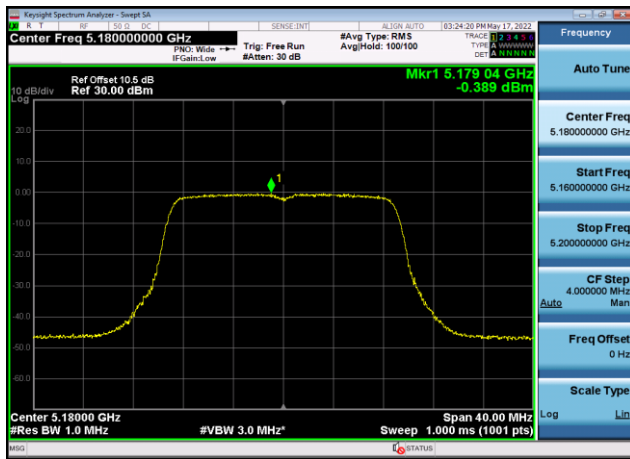
802.11ax (40MHz)	5795	Ant8	-5.821			
802.11ax (80MHz)	5775	Ant9	-9.844	-6.05	30	Pass
802.11ax (80MHz)	5775	Ant8	-8.404			

Note:

- 1) ANT9 and ANT8 is 2*2MIMO.
- 2) Antenna Gain: Ant9: -1.5dBi; Ant8: -2.8dBi.
- 3) Directional Gain: 0.91dBi.
- 4) Total PSD = $10 \cdot \log \{10^{(\text{Ant 9 PSD}/10)} + 10^{(\text{Ant 8 PSD}/10)}\}$.

Test Plots

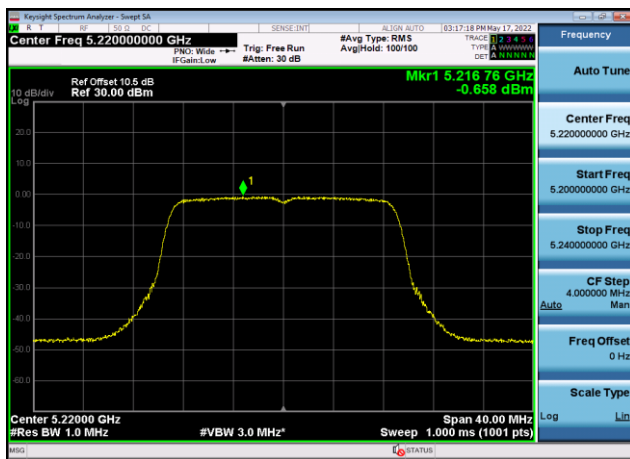
U-NII-1 Power spectral density-802.11
n(20MHz),5180MHz,Ant9



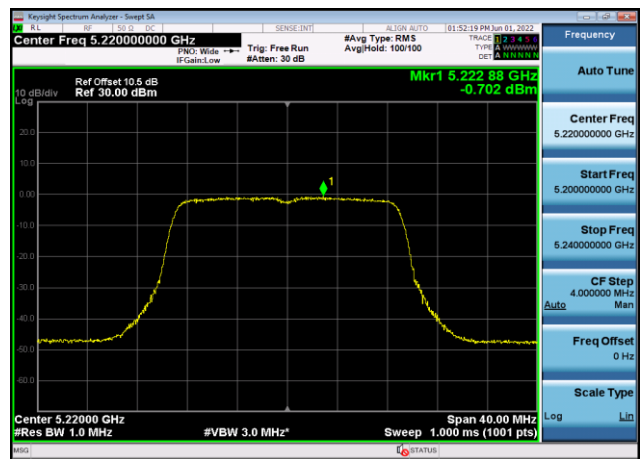
U-NII-1 Power spectral density-802.11
n(20MHz),5180MHz,Ant8



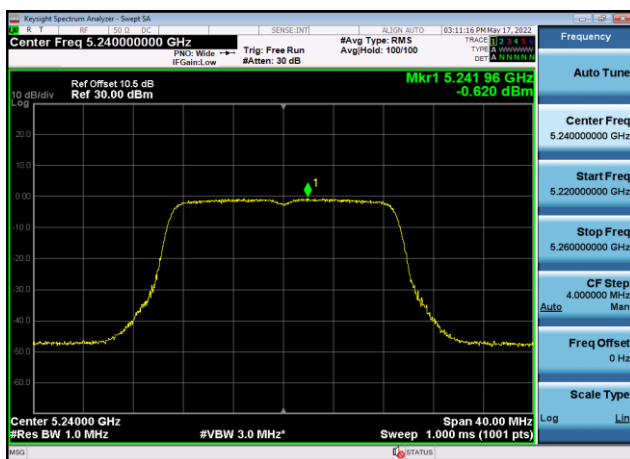
U-NII-1 Power spectral density-802.11
n(20MHz),5220MHz,Ant9



U-NII-1 Power spectral density-802.11
n(20MHz),5220MHz,Ant8



U-NII-1 Power spectral density-802.11
n(20MHz),5240MHz,Ant9



U-NII-1 Power spectral density-802.11
n(20MHz),5240MHz,Ant8

