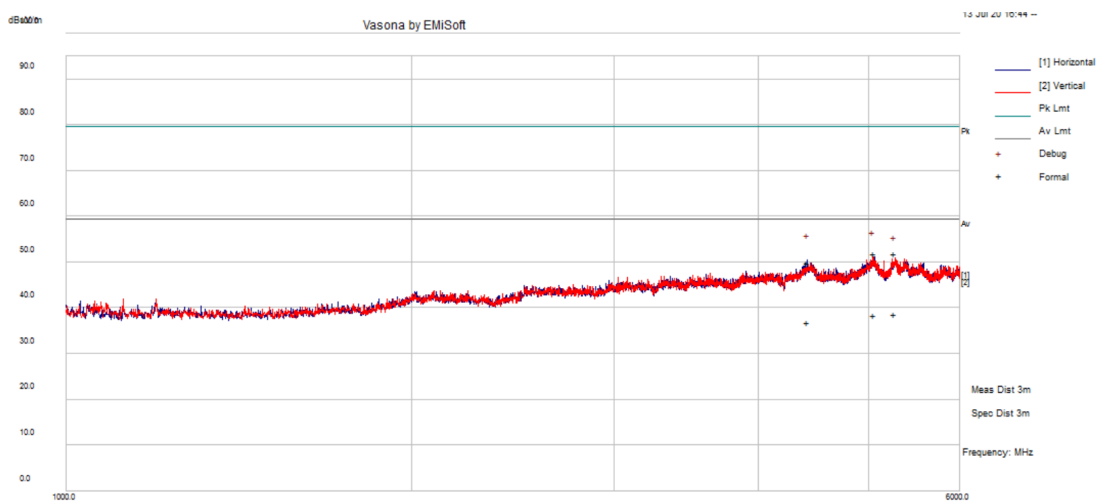


Prepared by: Dr Vitas Anderson (Two Fields Consulting)  
Date: 16 June 2022

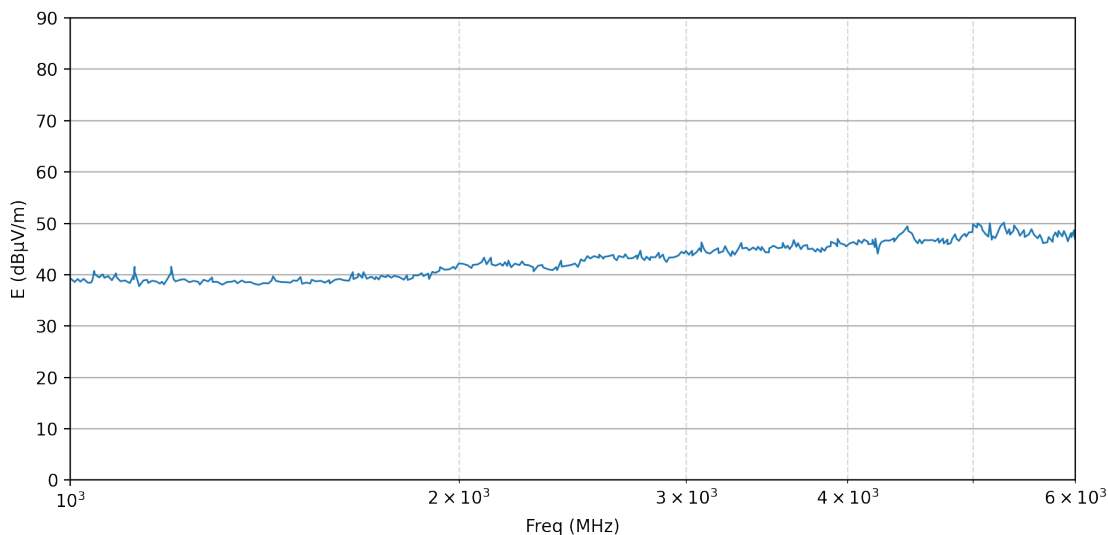
FCC ID: 2ADHY-TRACKER-300W (Configuration 1, Figure/Page 2, Class A device)  
Frequency span: 1,000 MHz to 6,000 MHz  
RBW: 1.0 MHz, distance: 3 m  
Peak-to-average correction: -13.20 dB  
No. of sample points: 5,000  
Cumulative S level:  $2.230\text{E-}08 \text{ W/m}^2$   
Device radiated power: 0.0015 mW

## EMC test spectral plot

### 2) 1 GHz to 6 GHz at a 3m test distance



## Plot of extracted data from EMC test spectral plot



*Table of extracted data from EMC test spectral plot*

Freq (MHz)	E (dB $\mu$ V/m)	E (V/m rms)	S (W/m <sup>2</sup> )
1002	39.17	2.597E+01	1.049E-12
1008	38.58	2.538E+01	9.154E-13
1014	39.16	2.596E+01	1.046E-12
1019	38.64	2.544E+01	9.280E-13
1025	39.19	2.599E+01	1.053E-12
1032	38.43	2.523E+01	8.846E-13
1038	38.45	2.525E+01	8.892E-13
1041	39.01	2.581E+01	1.011E-12
1044	40.72	2.752E+01	1.498E-12
1045	40.07	2.687E+01	1.290E-12
1053	39.46	2.626E+01	1.120E-12
1060	40.07	2.687E+01	1.291E-12
1063	39.38	2.618E+01	1.101E-12
1070	39.72	2.652E+01	1.191E-12
1077	38.92	2.572E+01	9.904E-13
1085	40.26	2.706E+01	1.348E-12
1086	39.55	2.635E+01	1.144E-12
1094	38.73	2.553E+01	9.468E-13
1103	38.87	2.567E+01	9.797E-13
1112	38.35	2.515E+01	8.691E-13
1119	39.72	2.652E+01	1.189E-12
1120	39.08	2.588E+01	1.028E-12
1122	41.54	2.834E+01	1.809E-12
1122	40.65	2.745E+01	1.473E-12
1130	38.36	2.516E+01	8.696E-13
1131	37.75	2.455E+01	7.558E-13
1140	38.86	2.566E+01	9.769E-13
1147	39.01	2.581E+01	1.011E-12
1150	38.38	2.518E+01	8.741E-13
1158	38.82	2.562E+01	9.665E-13
1166	38.66	2.546E+01	9.334E-13
1173	38.27	2.507E+01	8.520E-13
1178	38.61	2.541E+01	9.228E-13
1182	38.10	2.490E+01	8.198E-13
1190	39.23	2.603E+01	1.064E-12
1197	40.36	2.716E+01	1.380E-12
1198	41.54	2.834E+01	1.809E-12
1202	39.18	2.598E+01	1.052E-12
1207	38.69	2.549E+01	9.400E-13
1217	39.00	2.580E+01	1.008E-12
1226	39.13	2.593E+01	1.039E-12
1237	38.54	2.534E+01	9.076E-13
1247	38.80	2.560E+01	9.627E-13
1257	38.61	2.541E+01	9.228E-13
1260	38.08	2.488E+01	8.163E-13
1269	39.01	2.581E+01	1.011E-12

1279	38.69	2.549E+01	9.380E-13
1288	39.46	2.626E+01	1.120E-12
1290	38.59	2.539E+01	9.168E-13
1300	38.61	2.541E+01	9.228E-13
1312	38.06	2.486E+01	8.121E-13
1323	38.58	2.538E+01	9.145E-13
1334	38.63	2.543E+01	9.258E-13
1341	38.84	2.564E+01	9.714E-13
1348	38.32	2.512E+01	8.624E-13
1358	38.87	2.567E+01	9.793E-13
1367	38.50	2.530E+01	8.994E-13
1379	38.58	2.538E+01	9.149E-13
1390	38.20	2.500E+01	8.393E-13
1400	38.03	2.483E+01	8.070E-13
1412	38.37	2.517E+01	8.716E-13
1424	38.29	2.509E+01	8.568E-13
1432	38.85	2.565E+01	9.748E-13
1436	39.68	2.648E+01	1.179E-12
1444	38.78	2.558E+01	9.580E-13
1458	38.56	2.536E+01	9.123E-13
1470	38.54	2.534E+01	9.071E-13
1482	38.45	2.525E+01	8.892E-13
1489	38.88	2.568E+01	9.811E-13
1499	38.80	2.560E+01	9.636E-13
1508	39.53	2.633E+01	1.140E-12
1512	38.24	2.504E+01	8.457E-13
1525	38.47	2.527E+01	8.924E-13
1534	38.27	2.507E+01	8.520E-13
1538	39.03	2.583E+01	1.014E-12
1550	38.69	2.549E+01	9.380E-13
1563	38.82	2.562E+01	9.674E-13
1575	38.46	2.526E+01	8.899E-13
1587	38.93	2.573E+01	9.914E-13
1589	38.30	2.510E+01	8.580E-13
1603	39.01	2.581E+01	1.011E-12
1617	39.18	2.598E+01	1.050E-12
1629	38.92	2.572E+01	9.889E-13
1644	38.82	2.562E+01	9.665E-13
1655	40.50	2.730E+01	1.423E-12
1657	39.14	2.594E+01	1.042E-12
1670	39.50	2.630E+01	1.131E-12
1672	40.20	2.700E+01	1.329E-12
1684	39.37	2.617E+01	1.098E-12
1687	40.50	2.730E+01	1.423E-12
1697	39.21	2.601E+01	1.059E-12
1711	39.61	2.641E+01	1.159E-12
1722	39.11	2.591E+01	1.034E-12
1725	39.56	2.636E+01	1.147E-12
1734	39.07	2.587E+01	1.024E-12

1741	39.80	2.660E+01	1.212E-12
1756	39.52	2.632E+01	1.136E-12
1761	39.90	2.670E+01	1.241E-12
1773	39.41	2.621E+01	1.108E-12
1783	39.77	2.657E+01	1.205E-12
1798	39.54	2.634E+01	1.142E-12
1813	39.02	2.582E+01	1.013E-12
1823	39.88	2.668E+01	1.234E-12
1825	38.97	2.577E+01	1.002E-12
1842	39.34	2.614E+01	1.091E-12
1844	39.87	2.667E+01	1.231E-12
1861	39.86	2.666E+01	1.230E-12
1871	40.29	2.709E+01	1.357E-12
1878	39.72	2.652E+01	1.191E-12
1893	40.22	2.702E+01	1.336E-12
1896	39.16	2.596E+01	1.046E-12
1907	40.55	2.735E+01	1.442E-12
1917	40.35	2.715E+01	1.376E-12
1931	40.75	2.755E+01	1.508E-12
1934	41.46	2.826E+01	1.778E-12
1950	40.96	2.776E+01	1.585E-12
1966	41.05	2.785E+01	1.616E-12
1981	41.54	2.834E+01	1.809E-12
1987	41.13	2.793E+01	1.646E-12
1999	42.16	2.896E+01	2.087E-12
2013	42.14	2.894E+01	2.078E-12
2032	41.81	2.861E+01	1.927E-12
2045	41.29	2.809E+01	1.708E-12
2051	41.91	2.871E+01	1.970E-12
2068	42.01	2.881E+01	2.016E-12
2084	42.49	2.929E+01	2.252E-12
2091	43.32	3.012E+01	2.727E-12
2101	42.01	2.881E+01	2.019E-12
2117	43.32	3.012E+01	2.727E-12
2120	42.02	2.882E+01	2.020E-12
2135	41.76	2.856E+01	1.904E-12
2153	42.19	2.899E+01	2.102E-12
2162	41.74	2.854E+01	1.893E-12
2171	42.43	2.923E+01	2.221E-12
2180	41.71	2.851E+01	1.882E-12
2184	42.73	2.953E+01	2.378E-12
2195	41.44	2.824E+01	1.768E-12
2210	42.15	2.895E+01	2.085E-12
2228	41.86	2.866E+01	1.949E-12
2238	42.59	2.939E+01	2.306E-12
2248	41.95	2.875E+01	1.987E-12
2265	41.84	2.864E+01	1.941E-12
2283	41.45	2.825E+01	1.773E-12
2285	40.65	2.745E+01	1.473E-12

2303	41.75	2.855E+01	1.897E-12
2320	41.88	2.868E+01	1.959E-12
2325	41.39	2.819E+01	1.748E-12
2343	41.07	2.787E+01	1.625E-12
2363	40.88	2.768E+01	1.554E-12
2378	41.46	2.826E+01	1.778E-12
2383	40.89	2.769E+01	1.558E-12
2399	42.73	2.953E+01	2.378E-12
2403	41.57	2.837E+01	1.824E-12
2420	41.71	2.851E+01	1.881E-12
2441	41.87	2.867E+01	1.953E-12
2460	42.18	2.898E+01	2.096E-12
2473	41.51	2.831E+01	1.796E-12
2480	42.30	2.910E+01	2.158E-12
2486	42.97	2.977E+01	2.518E-12
2500	42.63	2.943E+01	2.325E-12
2514	43.62	3.042E+01	2.920E-12
2528	43.16	2.996E+01	2.626E-12
2545	43.62	3.042E+01	2.920E-12
2567	43.30	3.010E+01	2.714E-12
2568	43.91	3.071E+01	3.127E-12
2588	43.12	2.992E+01	2.603E-12
2591	43.47	3.027E+01	2.822E-12
2612	43.61	3.041E+01	2.913E-12
2633	43.86	3.066E+01	3.087E-12
2638	43.23	3.003E+01	2.669E-12
2650	42.80	2.960E+01	2.419E-12
2659	43.64	3.044E+01	2.933E-12
2682	43.38	3.018E+01	2.765E-12
2690	43.99	3.079E+01	3.181E-12
2704	43.17	2.997E+01	2.635E-12
2725	43.20	3.000E+01	2.653E-12
2746	43.73	3.053E+01	3.000E-12
2748	43.07	2.987E+01	2.573E-12
2764	44.66	3.146E+01	3.711E-12
2770	43.39	3.019E+01	2.774E-12
2784	42.83	2.963E+01	2.433E-12
2794	43.51	3.031E+01	2.846E-12
2811	42.84	2.964E+01	2.440E-12
2814	43.42	3.022E+01	2.792E-12
2839	43.39	3.019E+01	2.770E-12
2855	44.29	3.109E+01	3.406E-12
2860	43.28	3.008E+01	2.701E-12
2877	43.91	3.071E+01	3.127E-12
2885	42.96	2.976E+01	2.508E-12
2896	42.48	2.928E+01	2.246E-12
2909	43.34	3.014E+01	2.737E-12
2931	43.36	3.016E+01	2.753E-12
2955	43.68	3.048E+01	2.963E-12

## Calculate device radiated power from EMC test data

2974	44.45	3.125E+01	3.538E-12
2987	44.16	3.096E+01	3.306E-12
2997	44.63	3.143E+01	3.685E-12
3013	43.89	3.069E+01	3.112E-12
3031	44.65	3.145E+01	3.704E-12
3031	43.74	3.054E+01	3.001E-12
3055	44.39	3.119E+01	3.487E-12
3070	45.16	3.196E+01	4.169E-12
3080	44.51	3.131E+01	3.586E-12
3081	46.29	3.309E+01	5.407E-12
3094	45.10	3.190E+01	4.112E-12
3107	44.36	3.116E+01	3.465E-12
3128	44.12	3.092E+01	3.275E-12
3153	44.77	3.157E+01	3.811E-12
3175	45.15	3.195E+01	4.159E-12
3177	44.22	3.102E+01	3.356E-12
3202	44.54	3.134E+01	3.613E-12
3214	45.55	3.235E+01	4.556E-12
3229	44.50	3.130E+01	3.576E-12
3248	43.63	3.043E+01	2.927E-12
3256	44.58	3.138E+01	3.648E-12
3269	43.90	3.070E+01	3.114E-12
3289	44.91	3.171E+01	3.933E-12
3309	46.19	3.299E+01	5.285E-12
3314	45.10	3.190E+01	4.112E-12
3339	45.26	3.206E+01	4.262E-12
3355	44.75	3.155E+01	3.788E-12
3379	45.29	3.209E+01	4.295E-12
3398	44.83	3.163E+01	3.862E-12
3408	45.44	3.224E+01	4.441E-12
3426	44.76	3.156E+01	3.796E-12
3431	45.40	3.220E+01	4.403E-12
3454	44.35	3.115E+01	3.459E-12
3475	44.34	3.114E+01	3.450E-12
3477	45.13	3.193E+01	4.138E-12
3504	45.63	3.243E+01	4.642E-12
3532	45.14	3.194E+01	4.150E-12
3560	45.32	3.212E+01	4.318E-12
3562	46.19	3.299E+01	5.285E-12
3579	45.20	3.200E+01	4.201E-12
3593	45.64	3.244E+01	4.651E-12
3605	44.98	3.178E+01	3.996E-12
3623	45.70	3.250E+01	4.715E-12
3632	46.74	3.354E+01	5.991E-12
3650	45.43	3.223E+01	4.437E-12
3660	46.14	3.294E+01	5.225E-12
3679	44.96	3.176E+01	3.974E-12
3695	45.64	3.244E+01	4.648E-12
3720	45.77	3.257E+01	4.796E-12

## Calculate device radiated power from EMC test data

3725	44.98	3.178E+01	3.996E-12
3756	45.07	3.187E+01	4.083E-12
3776	44.50	3.130E+01	3.576E-12
3789	45.03	3.183E+01	4.042E-12
3813	44.40	3.120E+01	3.499E-12
3817	45.20	3.200E+01	4.207E-12
3838	44.66	3.146E+01	3.711E-12
3852	45.38	3.218E+01	4.381E-12
3879	45.55	3.235E+01	4.556E-12
3881	46.41	3.321E+01	5.551E-12
3913	46.05	3.285E+01	5.119E-12
3925	45.52	3.232E+01	4.530E-12
3928	46.96	3.376E+01	6.307E-12
3946	46.11	3.291E+01	5.187E-12
3976	45.85	3.265E+01	4.879E-12
3987	45.51	3.231E+01	4.518E-12
4011	46.06	3.286E+01	5.127E-12
4041	46.35	3.315E+01	5.481E-12
4066	45.86	3.266E+01	4.891E-12
4076	46.75	3.355E+01	6.006E-12
4101	46.18	3.298E+01	5.263E-12
4117	46.85	3.365E+01	6.147E-12
4147	46.37	3.317E+01	5.500E-12
4147	45.96	3.276E+01	5.006E-12
4179	46.01	3.281E+01	5.061E-12
4180	46.80	3.360E+01	6.074E-12
4197	45.35	3.215E+01	4.356E-12
4201	47.04	3.384E+01	6.416E-12
4219	44.10	3.090E+01	3.264E-12
4232	45.65	3.245E+01	4.662E-12
4246	46.34	3.314E+01	5.460E-12
4275	46.68	3.348E+01	5.908E-12
4308	46.63	3.343E+01	5.839E-12
4344	47.09	3.389E+01	6.489E-12
4344	46.45	3.325E+01	5.611E-12
4379	47.65	3.445E+01	7.388E-12
4414	48.28	3.508E+01	8.537E-12
4448	49.41	3.621E+01	1.109E-11
4454	48.54	3.534E+01	9.068E-12
4485	48.03	3.483E+01	8.060E-12
4506	46.84	3.364E+01	6.139E-12
4530	46.11	3.291E+01	5.189E-12
4545	46.83	3.363E+01	6.121E-12
4564	46.08	3.288E+01	5.151E-12
4583	46.75	3.355E+01	6.003E-12
4619	46.70	3.350E+01	5.944E-12
4654	46.75	3.355E+01	6.001E-12
4673	46.50	3.330E+01	5.667E-12
4700	47.04	3.384E+01	6.416E-12

## Calculate device radiated power from EMC test data

4707	46.21	3.301E+01	5.300E-12
4738	47.04	3.384E+01	6.416E-12
4746	46.05	3.285E+01	5.117E-12
4778	46.85	3.365E+01	6.147E-12
4778	45.92	3.272E+01	4.963E-12
4805	46.14	3.294E+01	5.225E-12
4817	46.97	3.377E+01	6.322E-12
4842	47.87	3.467E+01	7.771E-12
4856	46.95	3.375E+01	6.296E-12
4877	46.59	3.339E+01	5.790E-12
4898	47.42	3.422E+01	7.003E-12
4928	47.96	3.476E+01	7.945E-12
4939	47.43	3.423E+01	7.029E-12
4963	48.24	3.504E+01	8.472E-12
4993	48.30	3.510E+01	8.581E-12
4997	48.93	3.573E+01	9.925E-12
5000	49.81	3.661E+01	1.215E-11
5034	49.18	3.598E+01	1.050E-11
5041	49.99	3.679E+01	1.267E-11
5077	49.41	3.621E+01	1.109E-11
5084	48.72	3.552E+01	9.444E-12
5111	47.96	3.476E+01	7.928E-12
5138	47.42	3.422E+01	7.002E-12
5152	50.01	3.681E+01	1.272E-11
5170	46.81	3.361E+01	6.095E-12
5179	47.48	3.428E+01	7.109E-12
5201	47.11	3.391E+01	6.526E-12
5217	47.81	3.461E+01	7.671E-12
5249	49.39	3.619E+01	1.104E-11
5283	50.16	3.696E+01	1.316E-11
5291	49.29	3.609E+01	1.078E-11
5314	47.98	3.478E+01	7.976E-12
5334	48.87	3.567E+01	9.784E-12
5341	47.80	3.460E+01	7.645E-12
5374	48.58	3.538E+01	9.150E-12
5379	49.60	3.640E+01	1.158E-11
5417	48.56	3.536E+01	9.122E-12
5436	47.59	3.439E+01	7.281E-12
5475	48.67	3.547E+01	9.348E-12
5480	47.91	3.471E+01	7.839E-12
5482	47.33	3.413E+01	6.870E-12
5524	47.86	3.466E+01	7.756E-12
5549	48.86	3.566E+01	9.768E-12
5573	47.81	3.461E+01	7.662E-12
5611	47.08	3.388E+01	6.476E-12
5632	47.78	3.458E+01	7.613E-12
5656	46.76	3.356E+01	6.025E-12
5664	46.14	3.294E+01	5.225E-12
5707	46.31	3.311E+01	5.427E-12



## Calculate device radiated power from EMC test data

5722	47.33	3.413E+01	6.870E-12
5762	46.39	3.319E+01	5.535E-12
5768	47.41	3.421E+01	6.989E-12
5791	48.22	3.502E+01	8.436E-12
5813	47.36	3.416E+01	6.914E-12
5823	48.52	3.532E+01	9.033E-12
5862	47.45	3.425E+01	7.061E-12
5879	48.52	3.532E+01	9.033E-12
5907	47.37	3.417E+01	6.929E-12
5920	46.49	3.329E+01	5.659E-12
5954	48.14	3.494E+01	8.264E-12
5958	47.33	3.413E+01	6.870E-12
5987	48.67	3.547E+01	9.348E-12
5990	47.41	3.421E+01	6.989E-12
6000	46.81	3.361E+01	6.095E-12