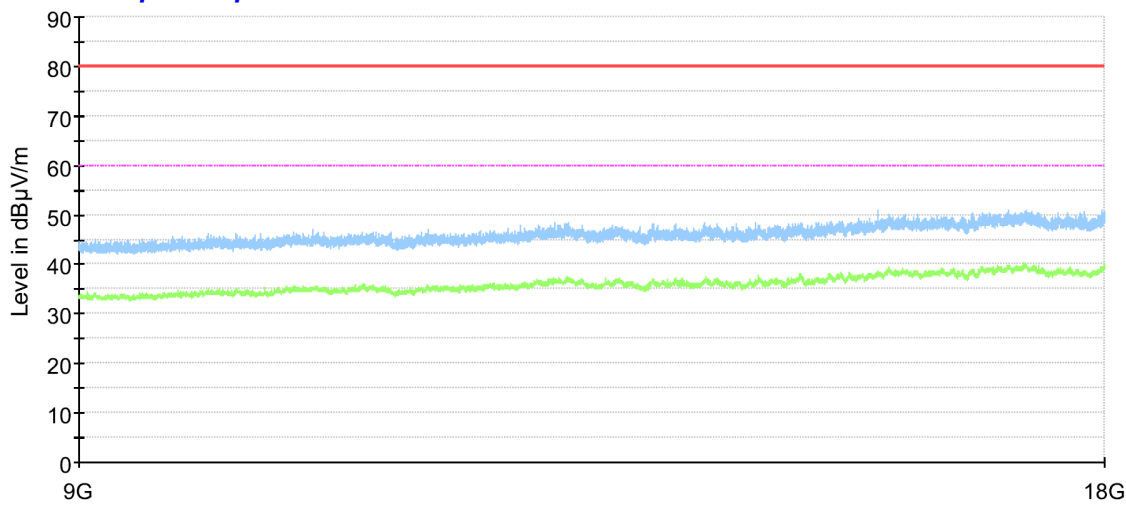


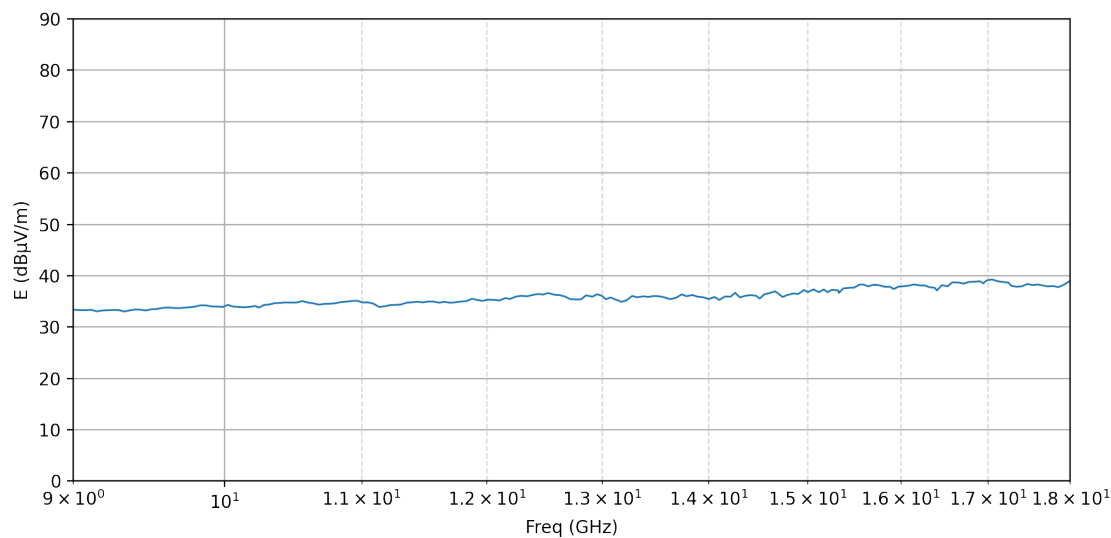
Prepared by: Dr Vitas Anderson (Two Fields Consulting)  
Date: 14 June 2022

FCC ID: 2AVNR-AC13 (Configuration 1, Figure 4, Class A device)  
Frequency span: 9 GHz to 18 GHz  
RBW: 0.001 GHz, distance: 3 m  
Peak-to-average correction: N/A  
No. of sample points: 9,000  
Cumulative S level:  $1.042\text{E-}07 \text{ W/m}^2$   
Device radiated power: 0.0072 mW

## EMC test spectral plot



## Plot of extracted data from EMC test spectral plot



*Table of extracted data from EMC test spectral plot*

Freq (GHz)	E (dBμV/m)	E (V/m rms)	S (W/m²)
9.011	33.36	3.336E+01	5.746E-12
9.048	33.28	3.328E+01	5.651E-12
9.08	33.28	3.328E+01	5.647E-12
9.114	33.35	3.335E+01	5.737E-12
9.149	33.05	3.305E+01	5.351E-12
9.185	33.22	3.322E+01	5.573E-12
9.217	33.27	3.327E+01	5.630E-12
9.254	33.32	3.332E+01	5.691E-12
9.289	33.29	3.329E+01	5.663E-12
9.327	33.02	3.302E+01	5.321E-12
9.363	33.24	3.324E+01	5.596E-12
9.396	33.40	3.340E+01	5.808E-12
9.429	33.39	3.339E+01	5.785E-12
9.468	33.22	3.322E+01	5.572E-12
9.504	33.46	3.346E+01	5.878E-12
9.538	33.51	3.351E+01	5.956E-12
9.577	33.71	3.371E+01	6.231E-12
9.615	33.81	3.381E+01	6.372E-12
9.648	33.72	3.372E+01	6.241E-12
9.685	33.69	3.369E+01	6.197E-12
9.722	33.75	3.375E+01	6.288E-12
9.762	33.86	3.386E+01	6.448E-12
9.795	33.97	3.397E+01	6.621E-12
9.832	34.22	3.422E+01	7.009E-12
9.873	34.21	3.421E+01	6.990E-12
9.91	34.00	3.400E+01	6.667E-12
9.948	33.99	3.399E+01	6.648E-12
9.987	33.91	3.391E+01	6.526E-12
10.022	34.29	3.429E+01	7.129E-12
10.064	33.97	3.397E+01	6.615E-12
10.104	33.91	3.391E+01	6.522E-12
10.137	33.84	3.384E+01	6.419E-12
10.178	33.93	3.393E+01	6.562E-12
10.214	34.11	3.411E+01	6.826E-12
10.242	33.79	3.379E+01	6.343E-12
10.278	34.30	3.430E+01	7.133E-12
10.314	34.38	3.438E+01	7.269E-12
10.355	34.65	3.465E+01	7.747E-12
10.397	34.69	3.469E+01	7.812E-12
10.433	34.79	3.479E+01	7.999E-12
10.474	34.76	3.476E+01	7.939E-12
10.515	34.78	3.478E+01	7.969E-12
10.555	35.06	3.506E+01	8.502E-12
10.595	34.77	3.477E+01	7.956E-12
10.636	34.61	3.461E+01	7.670E-12
10.676	34.36	3.436E+01	7.232E-12

## Calculate device radiated power from EMC test data

10.717	34.50	3.450E+01	7.482E-12
10.755	34.53	3.453E+01	7.529E-12
10.799	34.61	3.461E+01	7.666E-12
10.842	34.85	3.485E+01	8.112E-12
10.881	34.94	3.494E+01	8.272E-12
10.919	35.06	3.506E+01	8.507E-12
10.967	35.11	3.511E+01	8.596E-12
11.006	34.78	3.478E+01	7.982E-12
11.048	34.80	3.480E+01	8.013E-12
11.088	34.56	3.456E+01	7.588E-12
11.134	33.90	3.390E+01	6.517E-12
11.172	34.03	3.403E+01	6.713E-12
11.217	34.26	3.426E+01	7.069E-12
11.261	34.33	3.433E+01	7.185E-12
11.3	34.36	3.436E+01	7.245E-12
11.346	34.73	3.473E+01	7.879E-12
11.387	34.81	3.481E+01	8.034E-12
11.436	34.92	3.492E+01	8.228E-12
11.478	34.80	3.480E+01	8.007E-12
11.519	34.96	3.496E+01	8.316E-12
11.564	34.95	3.495E+01	8.298E-12
11.608	34.73	3.473E+01	7.886E-12
11.649	34.91	3.491E+01	8.225E-12
11.697	34.73	3.473E+01	7.879E-12
11.739	34.82	3.482E+01	8.041E-12
11.784	34.96	3.496E+01	8.305E-12
11.832	35.06	3.506E+01	8.507E-12
11.876	35.51	3.551E+01	9.431E-12
11.918	35.27	3.527E+01	8.934E-12
11.963	35.10	3.510E+01	8.583E-12
12.011	35.33	3.533E+01	9.051E-12
12.057	35.29	3.529E+01	8.968E-12
12.103	35.16	3.516E+01	8.710E-12
12.153	35.63	3.563E+01	9.697E-12
12.195	35.47	3.547E+01	9.344E-12
12.243	35.92	3.592E+01	1.037E-11
12.292	36.08	3.608E+01	1.075E-11
12.34	35.99	3.599E+01	1.053E-11
12.385	36.23	3.623E+01	1.115E-11
12.435	36.44	3.644E+01	1.169E-11
12.479	36.32	3.632E+01	1.138E-11
12.522	36.61	3.661E+01	1.215E-11
12.574	36.30	3.630E+01	1.132E-11
12.625	36.19	3.619E+01	1.104E-11
12.67	35.93	3.593E+01	1.039E-11
12.712	35.45	3.545E+01	9.294E-12
12.762	35.37	3.537E+01	9.136E-12
12.811	35.39	3.539E+01	9.184E-12
12.856	36.17	3.617E+01	1.099E-11

## Calculate device radiated power from EMC test data

12.912	35.91	3.591E+01	1.034E-11
12.958	36.39	3.639E+01	1.156E-11
13.007	35.98	3.598E+01	1.051E-11
13.03	35.42	3.542E+01	9.240E-12
13.077	35.74	3.574E+01	9.948E-12
13.123	35.34	3.534E+01	9.075E-12
13.177	34.91	3.491E+01	8.212E-12
13.222	35.20	3.520E+01	8.791E-12
13.275	36.04	3.604E+01	1.067E-11
13.322	35.80	3.580E+01	1.008E-11
13.379	35.97	3.597E+01	1.050E-11
13.424	35.86	3.586E+01	1.023E-11
13.477	36.04	3.604E+01	1.067E-11
13.528	35.98	3.598E+01	1.051E-11
13.58	35.75	3.575E+01	9.960E-12
13.629	35.43	3.543E+01	9.263E-12
13.684	35.68	3.568E+01	9.820E-12
13.74	36.36	3.636E+01	1.147E-11
13.785	36.00	3.600E+01	1.055E-11
13.843	36.24	3.624E+01	1.115E-11
13.889	35.92	3.592E+01	1.037E-11
13.944	35.80	3.580E+01	1.009E-11
14.0	35.45	3.545E+01	9.311E-12
14.057	35.84	3.584E+01	1.018E-11
14.103	35.28	3.528E+01	8.956E-12
14.161	35.95	3.595E+01	1.044E-11
14.214	35.90	3.590E+01	1.033E-11
14.26	36.67	3.667E+01	1.232E-11
14.307	35.76	3.576E+01	9.997E-12
14.359	36.08	3.608E+01	1.075E-11
14.416	36.22	3.622E+01	1.111E-11
14.47	36.07	3.607E+01	1.072E-11
14.506	35.53	3.553E+01	9.486E-12
14.55	36.36	3.636E+01	1.147E-11
14.605	36.61	3.661E+01	1.214E-11
14.662	36.95	3.695E+01	1.315E-11
14.719	36.14	3.614E+01	1.090E-11
14.737	35.85	3.585E+01	1.021E-11
14.789	36.25	3.625E+01	1.119E-11
14.846	36.53	3.653E+01	1.192E-11
14.899	36.42	3.642E+01	1.164E-11
14.956	37.20	3.720E+01	1.391E-11
15.0	36.81	3.681E+01	1.274E-11
15.057	37.33	3.733E+01	1.435E-11
15.114	36.79	3.679E+01	1.266E-11
15.166	37.31	3.731E+01	1.429E-11
15.204	36.79	3.679E+01	1.265E-11
15.251	37.24	3.724E+01	1.405E-11
15.318	37.13	3.713E+01	1.371E-11

## Calculate device radiated power from EMC test data

15.326	36.65	3.665E+01	1.226E-11
15.371	37.51	3.751E+01	1.496E-11
15.433	37.64	3.764E+01	1.539E-11
15.489	37.68	3.768E+01	1.555E-11
15.549	38.27	3.827E+01	1.782E-11
15.592	38.28	3.828E+01	1.783E-11
15.641	37.91	3.791E+01	1.639E-11
15.701	38.25	3.825E+01	1.771E-11
15.76	38.15	3.815E+01	1.731E-11
15.817	37.85	3.785E+01	1.617E-11
15.88	37.84	3.784E+01	1.612E-11
15.922	37.40	3.740E+01	1.457E-11
15.97	37.85	3.785E+01	1.617E-11
16.023	37.93	3.793E+01	1.646E-11
16.095	38.07	3.807E+01	1.699E-11
16.146	38.30	3.830E+01	1.793E-11
16.214	38.10	3.810E+01	1.712E-11
16.271	38.09	3.809E+01	1.710E-11
16.321	37.75	3.775E+01	1.580E-11
16.379	37.66	3.766E+01	1.548E-11
16.406	37.13	3.713E+01	1.371E-11
16.463	38.16	3.816E+01	1.737E-11
16.529	37.92	3.792E+01	1.642E-11
16.583	38.71	3.871E+01	1.970E-11
16.653	38.67	3.867E+01	1.951E-11
16.712	38.46	3.846E+01	1.859E-11
16.779	38.79	3.879E+01	2.007E-11
16.845	38.83	3.883E+01	2.027E-11
16.906	38.90	3.890E+01	2.058E-11
16.943	38.51	3.851E+01	1.884E-11
16.984	39.07	3.907E+01	2.143E-11
17.046	39.27	3.927E+01	2.240E-11
17.114	38.92	3.892E+01	2.068E-11
17.176	38.76	3.876E+01	1.995E-11
17.24	38.67	3.867E+01	1.951E-11
17.279	38.01	3.801E+01	1.676E-11
17.338	37.86	3.786E+01	1.619E-11
17.406	37.93	3.793E+01	1.646E-11
17.469	38.38	3.838E+01	1.825E-11
17.537	38.17	3.817E+01	1.741E-11
17.602	38.28	3.828E+01	1.787E-11
17.657	38.09	3.809E+01	1.709E-11
17.719	37.91	3.791E+01	1.639E-11
17.786	37.98	3.798E+01	1.665E-11
17.852	37.77	3.777E+01	1.586E-11
17.925	38.28	3.828E+01	1.784E-11
17.986	38.89	3.889E+01	2.055E-11