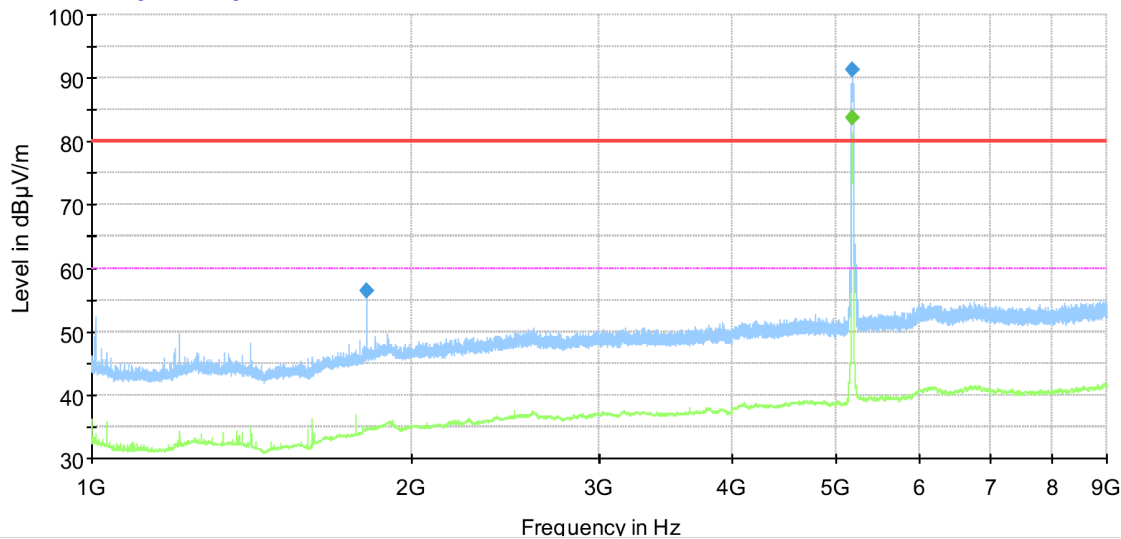


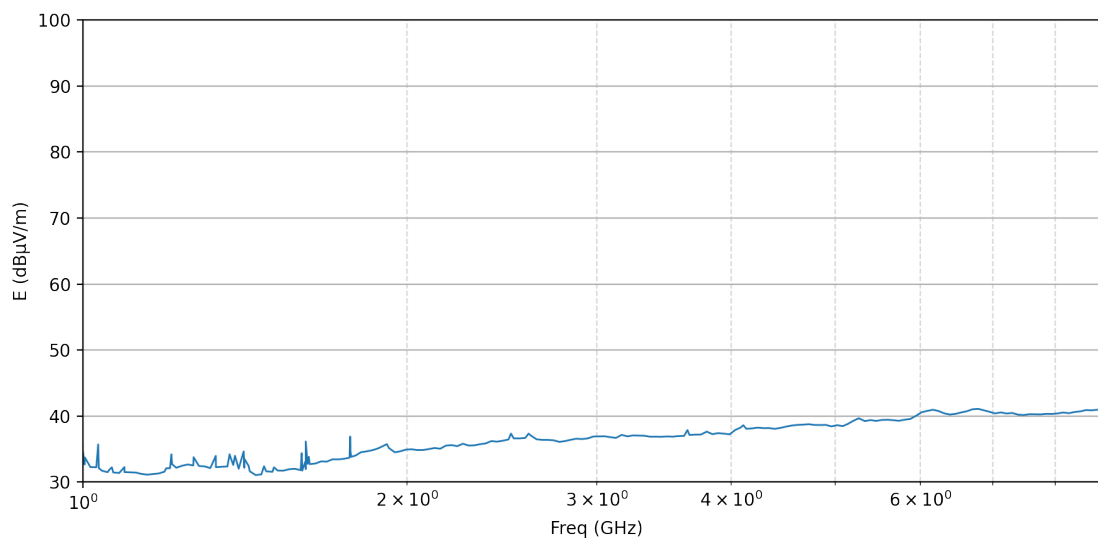
Prepared by: Dr Vitas Anderson (Two Fields Consulting)  
Date: 16 June 2022

FCC ID: 2AVNR-AC13 (Configuration 1, Figure/Page 3, Class A device)  
Frequency span: 1 GHz to 9 GHz  
RBW: 0.001 GHz, distance: 3 m  
Peak-to-average correction: N/A  
No. of sample points: 8,000  
Cumulative S level:  $1.617\text{E-}07 \text{ W/m}^2$   
Device radiated power: 0.0111 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)
0.997	32.39	3.239E+01	4.599E-12
0.999	35.72	3.572E+01	9.907E-12
0.999	34.84	3.484E+01	8.079E-12
1.003	32.67	3.267E+01	4.900E-12
1.004	33.71	3.371E+01	6.225E-12
1.016	32.26	3.226E+01	4.468E-12
1.029	32.24	3.224E+01	4.445E-12
1.033	35.71	3.571E+01	9.877E-12
1.034	32.10	3.210E+01	4.306E-12
1.041	31.72	3.172E+01	3.938E-12
1.054	31.50	3.150E+01	3.745E-12
1.058	31.90	3.190E+01	4.107E-12
1.063	32.23	3.223E+01	4.429E-12
1.066	31.45	3.145E+01	3.708E-12
1.08	31.37	3.137E+01	3.635E-12
1.092	32.27	3.227E+01	4.471E-12
1.092	31.51	3.151E+01	3.753E-12
1.106	31.47	3.147E+01	3.719E-12
1.119	31.44	3.144E+01	3.692E-12
1.133	31.23	3.123E+01	3.519E-12
1.147	31.12	3.112E+01	3.431E-12
1.161	31.21	3.121E+01	3.506E-12
1.176	31.31	3.131E+01	3.587E-12
1.19	31.56	3.156E+01	3.800E-12
1.195	32.10	3.210E+01	4.305E-12
1.204	32.09	3.209E+01	4.296E-12
1.208	34.20	3.420E+01	6.970E-12
1.209	32.70	3.270E+01	4.944E-12
1.22	32.17	3.217E+01	4.370E-12
1.235	32.46	3.246E+01	4.678E-12
1.25	32.66	3.266E+01	4.894E-12
1.266	32.52	3.252E+01	4.737E-12
1.266	33.77	3.377E+01	6.313E-12
1.281	32.44	3.244E+01	4.648E-12
1.297	32.37	3.237E+01	4.579E-12
1.313	32.11	3.211E+01	4.315E-12
1.328	33.96	3.396E+01	6.606E-12
1.328	32.26	3.226E+01	4.458E-12
1.345	32.32	3.232E+01	4.521E-12
1.361	32.36	3.236E+01	4.564E-12
1.368	34.21	3.421E+01	6.994E-12
1.373	33.46	3.346E+01	5.882E-12
1.379	32.59	3.259E+01	4.815E-12
1.384	33.99	3.399E+01	6.641E-12
1.395	32.02	3.202E+01	4.224E-12
1.41	34.64	3.464E+01	7.721E-12

## Calculate device radiated power from EMC test data

1.412	32.17	3.217E+01	4.367E-12
1.412	33.52	3.352E+01	5.963E-12
1.425	32.47	3.247E+01	4.686E-12
1.428	31.63	3.163E+01	3.860E-12
1.446	31.05	3.105E+01	3.380E-12
1.464	31.16	3.116E+01	3.466E-12
1.472	32.39	3.239E+01	4.599E-12
1.479	31.63	3.163E+01	3.859E-12
1.499	31.55	3.155E+01	3.793E-12
1.504	32.23	3.223E+01	4.429E-12
1.516	31.74	3.174E+01	3.961E-12
1.535	31.73	3.173E+01	3.946E-12
1.553	31.94	3.194E+01	4.145E-12
1.572	32.01	3.201E+01	4.213E-12
1.593	31.80	3.180E+01	4.018E-12
1.596	34.37	3.437E+01	7.263E-12
1.598	31.74	3.174E+01	3.955E-12
1.608	33.06	3.306E+01	5.367E-12
1.61	31.95	3.195E+01	4.154E-12
1.61	36.15	3.615E+01	1.093E-11
1.616	32.75	3.275E+01	5.002E-12
1.621	33.82	3.382E+01	6.396E-12
1.623	32.71	3.271E+01	4.952E-12
1.644	32.81	3.281E+01	5.070E-12
1.664	33.13	3.313E+01	5.454E-12
1.684	33.10	3.310E+01	5.413E-12
1.705	33.45	3.345E+01	5.868E-12
1.726	33.44	3.344E+01	5.853E-12
1.747	33.52	3.352E+01	5.964E-12
1.768	33.69	3.369E+01	6.202E-12
1.771	36.89	3.689E+01	1.296E-11
1.772	35.58	3.558E+01	9.576E-12
1.772	34.69	3.469E+01	7.809E-12
1.775	33.82	3.382E+01	6.396E-12
1.791	34.02	3.402E+01	6.695E-12
1.811	34.51	3.451E+01	7.501E-12
1.834	34.65	3.465E+01	7.741E-12
1.856	34.82	3.482E+01	8.039E-12
1.879	35.09	3.509E+01	8.561E-12
1.901	35.49	3.549E+01	9.397E-12
1.915	35.75	3.575E+01	9.959E-12
1.924	35.15	3.515E+01	8.683E-12
1.948	34.50	3.450E+01	7.482E-12
1.972	34.67	3.467E+01	7.780E-12
1.996	34.92	3.492E+01	8.244E-12
2.02	34.96	3.496E+01	8.317E-12
2.045	34.84	3.484E+01	8.089E-12
2.069	34.86	3.486E+01	8.121E-12
2.095	35.00	3.500E+01	8.380E-12

2.121	35.16	3.516E+01	8.702E-12
2.147	35.05	3.505E+01	8.486E-12
2.173	35.52	3.552E+01	9.456E-12
2.199	35.60	3.560E+01	9.625E-12
2.226	35.43	3.543E+01	9.268E-12
2.253	35.81	3.581E+01	1.011E-11
2.281	35.53	3.553E+01	9.480E-12
2.309	35.56	3.556E+01	9.540E-12
2.337	35.73	3.573E+01	9.932E-12
2.366	35.85	3.585E+01	1.020E-11
2.394	36.20	3.620E+01	1.107E-11
2.424	36.12	3.612E+01	1.086E-11
2.453	36.25	3.625E+01	1.119E-11
2.485	36.45	3.645E+01	1.172E-11
2.498	37.34	3.734E+01	1.438E-11
2.512	36.62	3.662E+01	1.218E-11
2.544	36.61	3.661E+01	1.216E-11
2.575	36.69	3.669E+01	1.237E-11
2.593	37.34	3.734E+01	1.438E-11
2.607	37.04	3.704E+01	1.340E-11
2.638	36.47	3.647E+01	1.177E-11
2.671	36.39	3.639E+01	1.155E-11
2.703	36.38	3.638E+01	1.154E-11
2.736	36.32	3.632E+01	1.138E-11
2.77	36.09	3.609E+01	1.078E-11
2.803	36.20	3.620E+01	1.107E-11
2.838	36.40	3.640E+01	1.158E-11
2.872	36.57	3.657E+01	1.203E-11
2.907	36.51	3.651E+01	1.188E-11
2.943	36.61	3.661E+01	1.215E-11
2.979	36.90	3.690E+01	1.299E-11
3.015	36.92	3.692E+01	1.304E-11
3.052	36.93	3.693E+01	1.309E-11
3.089	36.80	3.680E+01	1.270E-11
3.127	36.69	3.669E+01	1.238E-11
3.165	37.15	3.715E+01	1.376E-11
3.204	36.92	3.692E+01	1.305E-11
3.243	37.06	3.706E+01	1.349E-11
3.282	37.04	3.704E+01	1.340E-11
3.322	37.01	3.701E+01	1.334E-11
3.363	36.87	3.687E+01	1.291E-11
3.404	36.88	3.688E+01	1.292E-11
3.446	36.86	3.686E+01	1.286E-11
3.488	36.91	3.691E+01	1.302E-11
3.53	36.88	3.688E+01	1.292E-11
3.573	36.96	3.696E+01	1.319E-11
3.617	36.99	3.699E+01	1.327E-11
3.644	37.87	3.787E+01	1.626E-11
3.659	37.14	3.714E+01	1.373E-11

## Calculate device radiated power from EMC test data

3.706	37.18	3.718E+01	1.387E-11
3.751	37.20	3.720E+01	1.392E-11
3.797	37.64	3.764E+01	1.541E-11
3.843	37.25	3.725E+01	1.410E-11
3.89	37.41	3.741E+01	1.460E-11
3.937	37.34	3.734E+01	1.436E-11
3.988	37.23	3.723E+01	1.402E-11
4.034	37.88	3.788E+01	1.627E-11
4.083	38.27	3.827E+01	1.779E-11
4.106	38.61	3.861E+01	1.926E-11
4.133	38.06	3.806E+01	1.698E-11
4.184	38.13	3.813E+01	1.724E-11
4.235	38.24	3.824E+01	1.770E-11
4.286	38.17	3.817E+01	1.740E-11
4.339	38.18	3.818E+01	1.744E-11
4.392	38.06	3.806E+01	1.696E-11
4.445	38.21	3.821E+01	1.755E-11
4.5	38.40	3.840E+01	1.834E-11
4.554	38.57	3.857E+01	1.907E-11
4.61	38.65	3.865E+01	1.946E-11
4.666	38.70	3.870E+01	1.966E-11
4.723	38.76	3.876E+01	1.993E-11
4.781	38.65	3.865E+01	1.946E-11
4.839	38.64	3.864E+01	1.938E-11
4.898	38.66	3.866E+01	1.948E-11
4.958	38.43	3.843E+01	1.848E-11
5.019	38.62	3.862E+01	1.929E-11
5.08	38.47	3.847E+01	1.867E-11
5.132	38.78	3.878E+01	2.003E-11
5.196	39.28	3.928E+01	2.246E-11
5.257	39.66	3.966E+01	2.453E-11
5.325	39.23	3.923E+01	2.224E-11
5.39	39.39	3.939E+01	2.306E-11
5.456	39.26	3.926E+01	2.238E-11
5.523	39.41	3.941E+01	2.315E-11
5.59	39.44	3.944E+01	2.330E-11
5.658	39.37	3.937E+01	2.295E-11
5.727	39.28	3.928E+01	2.249E-11
5.797	39.44	3.944E+01	2.333E-11
5.868	39.55	3.955E+01	2.392E-11
5.94	40.02	4.002E+01	2.666E-11
6.012	40.57	4.057E+01	3.024E-11
6.086	40.78	4.078E+01	3.172E-11
6.16	40.95	4.095E+01	3.302E-11
6.235	40.76	4.076E+01	3.160E-11
6.311	40.41	4.041E+01	2.915E-11
6.388	40.23	4.023E+01	2.796E-11
6.466	40.33	4.033E+01	2.863E-11
6.545	40.55	4.055E+01	3.008E-11

## Calculate device radiated power from EMC test data

6.625	40.73	4.073E+01	3.136E-11
6.706	41.03	4.103E+01	3.361E-11
6.788	41.08	4.108E+01	3.403E-11
6.87	40.87	4.087E+01	3.240E-11
6.958	40.63	4.063E+01	3.065E-11
7.035	40.40	4.040E+01	2.908E-11
7.125	40.55	4.055E+01	3.008E-11
7.212	40.38	4.038E+01	2.897E-11
7.3	40.46	4.046E+01	2.952E-11
7.393	40.21	4.021E+01	2.785E-11
7.475	40.15	4.015E+01	2.748E-11
7.571	40.27	4.027E+01	2.825E-11
7.663	40.27	4.027E+01	2.821E-11
7.757	40.25	4.025E+01	2.811E-11
7.851	40.33	4.033E+01	2.864E-11
7.947	40.32	4.032E+01	2.853E-11
8.04	40.39	4.039E+01	2.901E-11
8.142	40.54	4.054E+01	3.001E-11
8.242	40.43	4.043E+01	2.928E-11
8.342	40.61	4.061E+01	3.054E-11
8.444	40.71	4.071E+01	3.120E-11
8.547	40.90	4.090E+01	3.265E-11
8.652	40.87	4.087E+01	3.240E-11
8.757	40.95	4.095E+01	3.298E-11
8.864	41.11	4.111E+01	3.425E-11
8.972	41.36	4.136E+01	3.629E-11