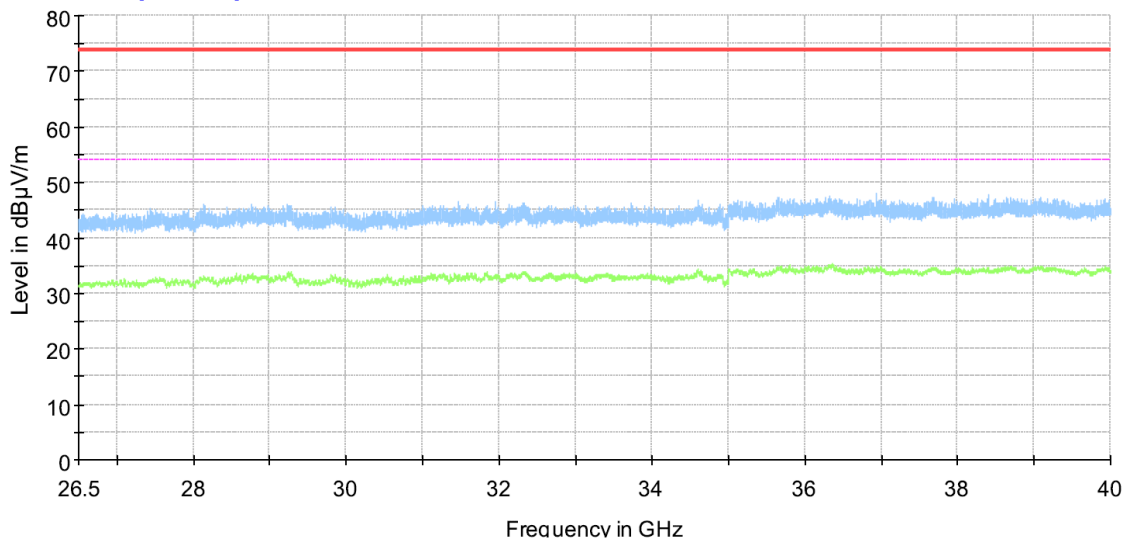


Prepared by: Dr Vitas Anderson (Two Fields Consulting)
Date: 16 June 2022

FCC ID: 2AVNR-AC13 (Configuration 1, Figure/Page 6, Class A device)
Frequency span: 26 GHz to 40 GHz
RBW: 0.001 GHz, distance: 1 m
Peak-to-average correction: N/A
No. of sample points: 13,500
Cumulative S level: $7.117\text{E-}08 \text{ W/m}^2$
Device radiated power: 0.0005 mW

EMC test spectral plot



Plot of extracted data from EMC test spectral plot

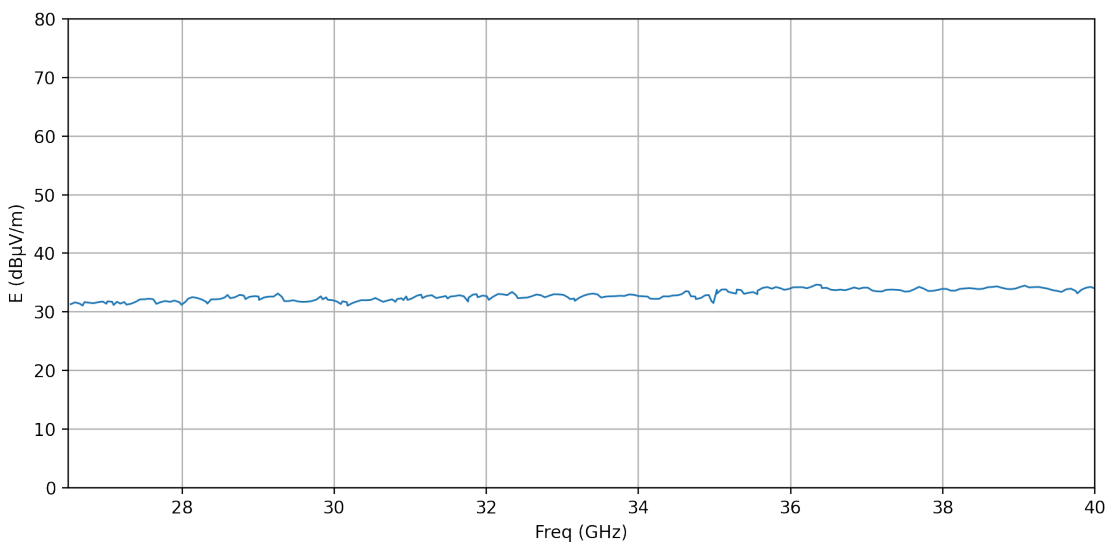


Table of extracted data from EMC test spectral plot

Freq (GHz)	E (dBμV/m)	E (V/m rms)	S (W/m²)
26.534	31.32	3.132E+01	3.598E-12
26.593	31.63	3.163E+01	3.860E-12
26.653	31.42	3.142E+01	3.679E-12
26.692	31.09	3.109E+01	3.408E-12
26.715	31.67	3.167E+01	3.898E-12
26.777	31.57	3.157E+01	3.807E-12
26.832	31.48	3.148E+01	3.730E-12
26.895	31.66	3.166E+01	3.887E-12
26.957	31.77	3.177E+01	3.986E-12
27.003	31.40	3.140E+01	3.664E-12
27.019	31.80	3.180E+01	4.019E-12
27.079	31.73	3.173E+01	3.954E-12
27.1	31.19	3.119E+01	3.491E-12
27.143	31.73	3.173E+01	3.948E-12
27.188	31.42	3.142E+01	3.679E-12
27.238	31.69	3.169E+01	3.912E-12
27.269	31.25	3.125E+01	3.538E-12
27.323	31.38	3.138E+01	3.646E-12
27.384	31.69	3.169E+01	3.912E-12
27.445	32.13	3.213E+01	4.332E-12
27.509	32.17	3.217E+01	4.372E-12
27.566	32.26	3.226E+01	4.461E-12
27.622	32.16	3.216E+01	4.362E-12
27.661	31.37	3.137E+01	3.639E-12
27.718	31.67	3.167E+01	3.898E-12
27.775	31.86	3.186E+01	4.073E-12
27.844	31.73	3.173E+01	3.947E-12
27.897	31.94	3.194E+01	4.145E-12
27.962	31.68	3.168E+01	3.902E-12
27.992	31.23	3.123E+01	3.520E-12
28.04	31.68	3.168E+01	3.902E-12
28.08	32.27	3.227E+01	4.473E-12
28.135	32.53	3.253E+01	4.746E-12
28.197	32.38	3.238E+01	4.586E-12
28.254	32.15	3.215E+01	4.351E-12
28.317	31.72	3.172E+01	3.944E-12
28.332	31.42	3.142E+01	3.679E-12
28.381	32.14	3.214E+01	4.346E-12
28.442	32.16	3.216E+01	4.364E-12
28.501	32.21	3.221E+01	4.414E-12
28.563	32.48	3.248E+01	4.700E-12
28.596	32.90	3.290E+01	5.176E-12
28.634	32.35	3.235E+01	4.552E-12
28.694	32.51	3.251E+01	4.723E-12
28.756	32.92	3.292E+01	5.191E-12
28.81	32.80	3.280E+01	5.050E-12

28.834	32.19	3.219E+01	4.390E-12
28.882	32.57	3.257E+01	4.796E-12
28.951	32.69	3.269E+01	4.932E-12
29.005	32.63	3.263E+01	4.866E-12
29.011	32.05	3.205E+01	4.251E-12
29.077	32.47	3.247E+01	4.681E-12
29.139	32.62	3.262E+01	4.845E-12
29.203	32.62	3.262E+01	4.852E-12
29.259	33.15	3.315E+01	5.474E-12
29.311	32.59	3.259E+01	4.812E-12
29.343	31.84	3.184E+01	4.051E-12
29.4	31.85	3.185E+01	4.063E-12
29.461	31.99	3.199E+01	4.193E-12
29.523	31.79	3.179E+01	4.005E-12
29.585	31.71	3.171E+01	3.937E-12
29.647	31.75	3.175E+01	3.968E-12
29.706	31.86	3.186E+01	4.073E-12
29.765	32.10	3.210E+01	4.300E-12
29.823	32.67	3.267E+01	4.903E-12
29.849	32.15	3.215E+01	4.348E-12
29.892	32.50	3.250E+01	4.712E-12
29.915	32.07	3.207E+01	4.271E-12
29.975	32.00	3.200E+01	4.209E-12
30.03	31.81	3.181E+01	4.022E-12
30.088	31.35	3.135E+01	3.620E-12
30.107	31.82	3.182E+01	4.029E-12
30.166	31.66	3.166E+01	3.887E-12
30.174	31.07	3.107E+01	3.395E-12
30.233	31.48	3.148E+01	3.731E-12
30.291	31.76	3.176E+01	3.979E-12
30.356	32.00	3.200E+01	4.209E-12
30.414	31.99	3.199E+01	4.196E-12
30.477	32.04	3.204E+01	4.245E-12
30.541	32.37	3.237E+01	4.577E-12
30.595	32.03	3.203E+01	4.234E-12
30.642	31.73	3.173E+01	3.948E-12
30.703	31.96	3.196E+01	4.161E-12
30.76	32.15	3.215E+01	4.351E-12
30.804	31.73	3.173E+01	3.948E-12
30.825	32.19	3.219E+01	4.390E-12
30.883	32.33	3.233E+01	4.533E-12
30.908	32.03	3.203E+01	4.228E-12
30.946	32.65	3.265E+01	4.881E-12
30.964	32.04	3.204E+01	4.240E-12
31.022	32.31	3.231E+01	4.520E-12
31.085	32.76	3.276E+01	5.012E-12
31.143	32.96	3.296E+01	5.239E-12
31.157	32.36	3.236E+01	4.563E-12
31.212	32.71	3.271E+01	4.952E-12

Calculate device radiated power from EMC test data

31.283	32.85	3.285E+01	5.114E-12
31.339	32.37	3.237E+01	4.574E-12
31.4	32.54	3.254E+01	4.757E-12
31.466	32.72	3.272E+01	4.957E-12
31.491	32.29	3.229E+01	4.497E-12
31.528	32.64	3.264E+01	4.868E-12
31.582	32.69	3.269E+01	4.932E-12
31.644	32.85	3.285E+01	5.110E-12
31.702	32.68	3.268E+01	4.913E-12
31.76	31.77	3.177E+01	3.986E-12
31.765	32.43	3.243E+01	4.644E-12
31.823	32.96	3.296E+01	5.239E-12
31.871	33.03	3.303E+01	5.324E-12
31.887	32.50	3.250E+01	4.719E-12
31.951	32.80	3.280E+01	5.050E-12
32.006	32.68	3.268E+01	4.913E-12
32.032	32.06	3.206E+01	4.262E-12
32.09	32.62	3.262E+01	4.845E-12
32.154	33.07	3.307E+01	5.373E-12
32.211	33.01	3.301E+01	5.309E-12
32.272	32.87	3.287E+01	5.135E-12
32.338	33.41	3.341E+01	5.816E-12
32.39	32.87	3.287E+01	5.132E-12
32.413	32.34	3.234E+01	4.548E-12
32.475	32.40	3.240E+01	4.607E-12
32.539	32.46	3.246E+01	4.671E-12
32.593	32.67	3.267E+01	4.901E-12
32.661	32.97	3.297E+01	5.256E-12
32.714	32.86	3.286E+01	5.120E-12
32.768	32.50	3.250E+01	4.715E-12
32.832	32.80	3.280E+01	5.049E-12
32.891	33.03	3.303E+01	5.324E-12
32.948	33.00	3.300E+01	5.287E-12
33.011	32.92	3.292E+01	5.202E-12
33.069	32.52	3.252E+01	4.735E-12
33.1	32.19	3.219E+01	4.390E-12
33.154	32.28	3.228E+01	4.488E-12
33.163	31.89	3.189E+01	4.095E-12
33.215	32.38	3.238E+01	4.592E-12
33.275	32.75	3.275E+01	5.001E-12
33.337	33.01	3.301E+01	5.309E-12
33.398	33.13	3.313E+01	5.454E-12
33.458	33.00	3.300E+01	5.295E-12
33.509	32.45	3.245E+01	4.666E-12
33.57	32.63	3.263E+01	4.858E-12
33.63	32.67	3.267E+01	4.903E-12
33.692	32.69	3.269E+01	4.926E-12
33.753	32.76	3.276E+01	5.006E-12
33.813	32.72	3.272E+01	4.966E-12

33.874	32.98	3.298E+01	5.267E-12
33.937	32.93	3.293E+01	5.203E-12
34.0	32.70	3.270E+01	4.944E-12
34.052	32.68	3.268E+01	4.913E-12
34.121	32.62	3.262E+01	4.845E-12
34.151	32.27	3.227E+01	4.473E-12
34.209	32.23	3.223E+01	4.431E-12
34.27	32.24	3.224E+01	4.440E-12
34.327	32.67	3.267E+01	4.901E-12
34.393	32.64	3.264E+01	4.869E-12
34.452	32.80	3.280E+01	5.060E-12
34.513	32.84	3.284E+01	5.100E-12
34.572	33.06	3.306E+01	5.361E-12
34.62	33.53	3.353E+01	5.982E-12
34.658	33.50	3.350E+01	5.934E-12
34.689	32.67	3.267E+01	4.904E-12
34.746	32.63	3.263E+01	4.864E-12
34.753	32.19	3.219E+01	4.390E-12
34.82	32.38	3.238E+01	4.588E-12
34.876	32.84	3.284E+01	5.096E-12
34.924	32.89	3.289E+01	5.155E-12
34.959	31.84	3.184E+01	4.051E-12
34.985	31.51	3.151E+01	3.758E-12
35.0	32.26	3.226E+01	4.461E-12
35.03	33.78	3.378E+01	6.336E-12
35.03	33.13	3.313E+01	5.454E-12
35.091	33.82	3.382E+01	6.387E-12
35.152	33.84	3.384E+01	6.422E-12
35.177	33.44	3.344E+01	5.863E-12
35.229	33.27	3.327E+01	5.632E-12
35.282	33.12	3.312E+01	5.439E-12
35.294	33.83	3.383E+01	6.404E-12
35.35	33.72	3.372E+01	6.252E-12
35.387	33.09	3.309E+01	5.398E-12
35.445	33.26	3.326E+01	5.625E-12
35.508	33.39	3.339E+01	5.796E-12
35.563	33.03	3.303E+01	5.324E-12
35.564	33.62	3.362E+01	6.110E-12
35.634	34.11	3.411E+01	6.835E-12
35.694	34.24	3.424E+01	7.042E-12
35.753	33.97	3.397E+01	6.614E-12
35.807	34.25	3.425E+01	7.064E-12
35.872	34.01	3.401E+01	6.685E-12
35.916	33.78	3.378E+01	6.333E-12
35.975	33.92	3.392E+01	6.534E-12
36.035	34.21	3.421E+01	6.990E-12
36.095	34.22	3.422E+01	7.010E-12
36.158	34.22	3.422E+01	7.009E-12
36.212	34.04	3.404E+01	6.721E-12

36.278	34.32	3.432E+01	7.167E-12
36.337	34.67	3.467E+01	7.767E-12
36.399	34.58	3.458E+01	7.610E-12
36.411	34.07	3.407E+01	6.775E-12
36.47	34.12	3.412E+01	6.848E-12
36.533	33.78	3.378E+01	6.339E-12
36.591	33.71	3.371E+01	6.227E-12
36.654	33.81	3.381E+01	6.382E-12
36.716	33.70	3.370E+01	6.219E-12
36.775	33.92	3.392E+01	6.546E-12
36.836	34.18	3.418E+01	6.940E-12
36.897	33.95	3.395E+01	6.591E-12
36.955	34.14	3.414E+01	6.877E-12
37.013	34.14	3.414E+01	6.885E-12
37.077	33.63	3.363E+01	6.124E-12
37.14	33.51	3.351E+01	5.946E-12
37.201	33.50	3.350E+01	5.934E-12
37.258	33.77	3.377E+01	6.324E-12
37.324	33.81	3.381E+01	6.382E-12
37.384	33.78	3.378E+01	6.339E-12
37.444	33.71	3.371E+01	6.235E-12
37.501	33.46	3.346E+01	5.890E-12
37.564	33.52	3.352E+01	5.971E-12
37.624	33.86	3.386E+01	6.456E-12
37.687	34.28	3.428E+01	7.110E-12
37.748	33.99	3.399E+01	6.649E-12
37.808	33.58	3.358E+01	6.042E-12
37.87	33.60	3.360E+01	6.070E-12
37.931	33.75	3.375E+01	6.286E-12
37.994	33.94	3.394E+01	6.572E-12
38.052	33.92	3.392E+01	6.543E-12
38.104	33.63	3.363E+01	6.124E-12
38.166	33.63	3.363E+01	6.124E-12
38.221	33.92	3.392E+01	6.546E-12
38.286	34.00	3.400E+01	6.667E-12
38.347	34.06	3.406E+01	6.757E-12
38.408	33.99	3.399E+01	6.652E-12
38.468	33.89	3.389E+01	6.491E-12
38.532	33.97	3.397E+01	6.614E-12
38.59	34.21	3.421E+01	6.996E-12
38.648	34.26	3.426E+01	7.072E-12
38.712	34.36	3.436E+01	7.242E-12
38.773	34.13	3.413E+01	6.866E-12
38.833	33.94	3.394E+01	6.578E-12
38.892	33.88	3.388E+01	6.486E-12
38.955	33.98	3.398E+01	6.631E-12
39.013	34.25	3.425E+01	7.059E-12
39.077	34.49	3.449E+01	7.461E-12
39.133	34.19	3.419E+01	6.960E-12

Calculate device radiated power from EMC test data

39.198	34.24	3.424E+01	7.034E-12
39.259	34.26	3.426E+01	7.072E-12
39.32	34.12	3.412E+01	6.848E-12
39.381	33.97	3.397E+01	6.614E-12
39.441	33.72	3.372E+01	6.252E-12
39.503	33.58	3.358E+01	6.054E-12
39.56	33.41	3.341E+01	5.822E-12
39.624	33.86	3.386E+01	6.456E-12
39.685	33.97	3.397E+01	6.614E-12
39.746	33.60	3.360E+01	6.070E-12
39.769	33.18	3.318E+01	5.510E-12
39.827	33.82	3.382E+01	6.387E-12
39.888	34.14	3.414E+01	6.885E-12
39.947	34.27	3.427E+01	7.093E-12
39.999	34.00	3.400E+01	6.667E-12