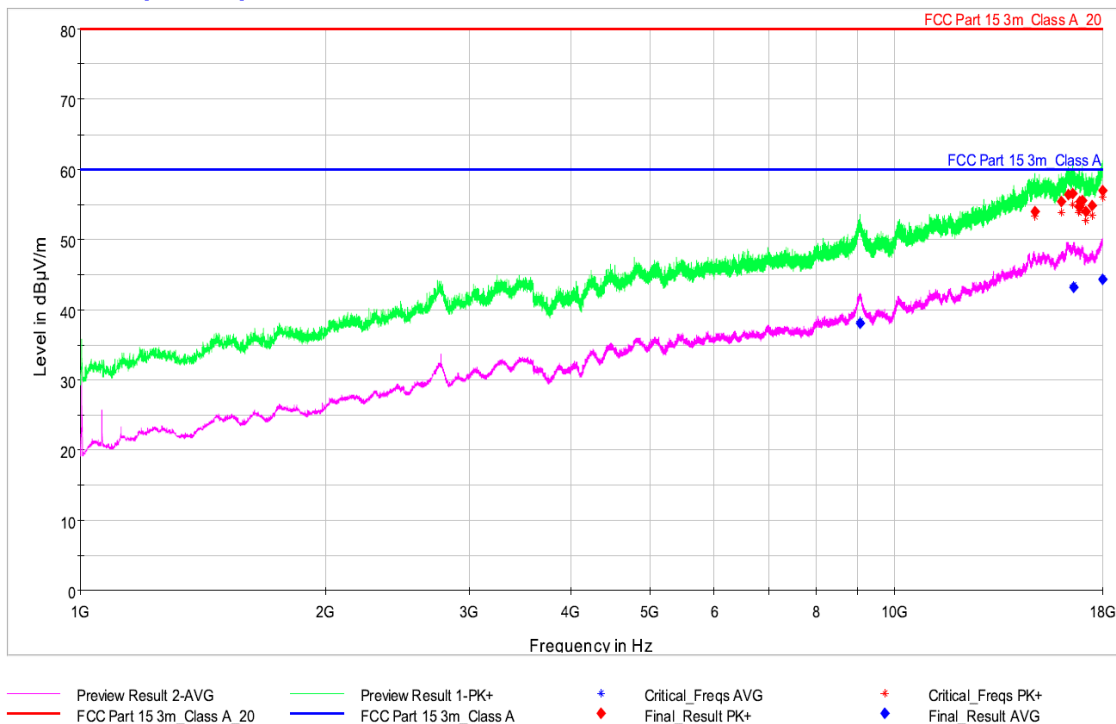


Prepared by: Dr Vitas Anderson (Two Fields Consulting)
Date: 14 June 2022

FCC ID: 2AVB6-PA10006882 (Configuration 1, Figure 27, Class A device)
Frequency span: 1 GHz to 18 GHz
RBW: 0.001 GHz, distance: 3 m
Peak-to-average correction: N/A
No. of sample points: 17,000
Cumulative S level: $8.610\text{E-}07 \text{ W/m}^2$
Device radiated power: 0.0594 mW

EMC test spectral plot



Plot of extracted data from EMC test spectral plot

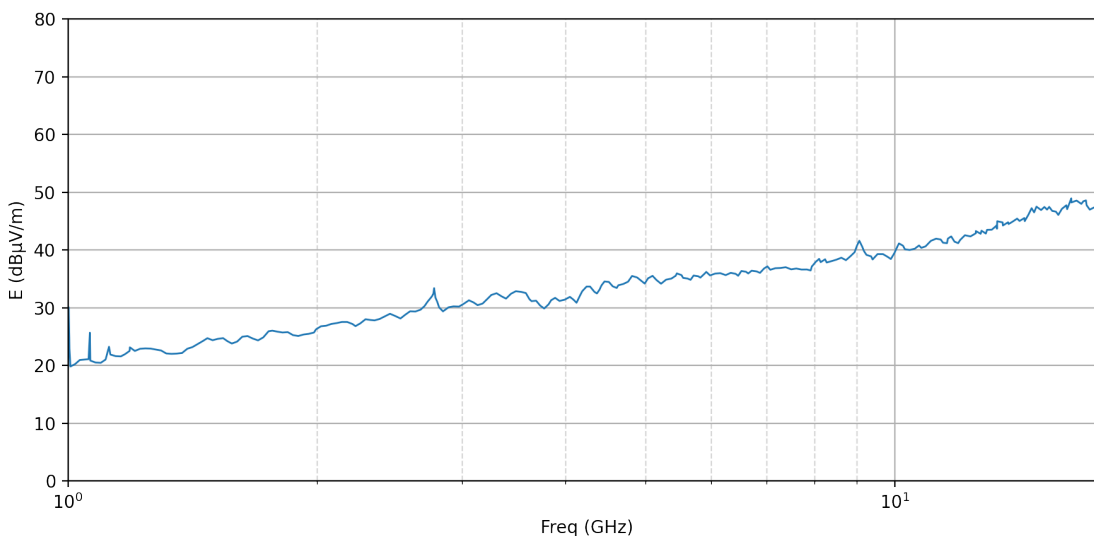


Table of extracted data from EMC test spectral plot

Freq (GHz)	E (dBμV/m)	E (V/m rms)	S (W/m²)
1.0	19.48	1.948E+01	2.353E-13
1.002	30.08	3.008E+01	2.705E-12
1.004	24.84	2.484E+01	8.090E-13
1.004	22.95	2.295E+01	5.235E-13
1.007	19.83	1.983E+01	2.551E-13
1.02	20.24	2.024E+01	2.803E-13
1.033	20.96	2.096E+01	3.309E-13
1.049	21.04	2.104E+01	3.372E-13
1.059	21.10	2.110E+01	3.420E-13
1.063	25.69	2.569E+01	9.822E-13
1.064	20.86	2.086E+01	3.232E-13
1.08	20.52	2.052E+01	2.991E-13
1.095	20.47	2.047E+01	2.956E-13
1.11	21.04	2.104E+01	3.367E-13
1.121	23.25	2.325E+01	5.607E-13
1.125	21.90	2.190E+01	4.109E-13
1.142	21.62	2.162E+01	3.856E-13
1.159	21.58	2.158E+01	3.820E-13
1.173	21.99	2.199E+01	4.196E-13
1.187	22.53	2.253E+01	4.754E-13
1.188	23.15	2.315E+01	5.483E-13
1.205	22.52	2.252E+01	4.743E-13
1.222	22.90	2.290E+01	5.174E-13
1.24	22.96	2.296E+01	5.247E-13
1.258	22.93	2.293E+01	5.210E-13
1.277	22.77	2.277E+01	5.018E-13
1.296	22.61	2.261E+01	4.833E-13
1.315	22.08	2.208E+01	4.286E-13
1.334	22.02	2.202E+01	4.226E-13
1.354	22.06	2.206E+01	4.266E-13
1.374	22.17	2.217E+01	4.368E-13
1.394	22.90	2.290E+01	5.174E-13
1.414	23.20	2.320E+01	5.539E-13
1.435	23.73	2.373E+01	6.260E-13
1.454	24.21	2.421E+01	6.995E-13
1.474	24.73	2.473E+01	7.883E-13
1.496	24.38	2.438E+01	7.277E-13
1.518	24.62	2.462E+01	7.682E-13
1.54	24.74	2.474E+01	7.902E-13
1.559	24.20	2.420E+01	6.975E-13
1.578	23.81	2.381E+01	6.379E-13
1.601	24.14	2.414E+01	6.878E-13
1.625	24.99	2.499E+01	8.370E-13
1.649	25.10	2.510E+01	8.580E-13
1.673	24.67	2.467E+01	7.773E-13
1.697	24.35	2.435E+01	7.226E-13

Calculate device radiated power from EMC test data

1.722	24.87	2.487E+01	8.147E-13
1.748	25.93	2.593E+01	1.038E-12
1.766	26.04	2.604E+01	1.065E-12
1.791	25.86	2.586E+01	1.024E-12
1.817	25.72	2.572E+01	9.904E-13
1.844	25.78	2.578E+01	1.004E-12
1.871	25.26	2.526E+01	8.909E-13
1.899	25.12	2.512E+01	8.620E-13
1.926	25.36	2.536E+01	9.121E-13
1.955	25.49	2.549E+01	9.382E-13
1.983	25.71	2.571E+01	9.880E-13
1.994	26.25	2.625E+01	1.119E-12
2.022	26.79	2.679E+01	1.268E-12
2.052	26.90	2.690E+01	1.298E-12
2.082	27.20	2.720E+01	1.393E-12
2.113	27.35	2.735E+01	1.440E-12
2.144	27.54	2.754E+01	1.505E-12
2.175	27.54	2.754E+01	1.505E-12
2.207	27.19	2.719E+01	1.390E-12
2.226	26.82	2.682E+01	1.275E-12
2.256	27.29	2.729E+01	1.423E-12
2.29	28.01	2.801E+01	1.677E-12
2.323	27.88	2.788E+01	1.627E-12
2.348	27.82	2.782E+01	1.604E-12
2.38	28.05	2.805E+01	1.693E-12
2.415	28.51	2.851E+01	1.882E-12
2.451	28.96	2.896E+01	2.088E-12
2.488	28.56	2.856E+01	1.904E-12
2.524	28.14	2.814E+01	1.730E-12
2.558	28.80	2.880E+01	2.011E-12
2.592	29.39	2.939E+01	2.305E-12
2.63	29.35	2.935E+01	2.283E-12
2.669	29.67	2.967E+01	2.456E-12
2.698	30.29	3.029E+01	2.835E-12
2.721	31.05	3.105E+01	3.378E-12
2.755	31.97	3.197E+01	4.179E-12
2.766	32.46	3.246E+01	4.677E-12
2.771	33.39	3.339E+01	5.795E-12
2.781	31.77	3.177E+01	3.987E-12
2.795	31.06	3.106E+01	3.390E-12
2.81	30.07	3.007E+01	2.695E-12
2.841	29.37	2.937E+01	2.297E-12
2.885	30.07	3.007E+01	2.698E-12
2.925	30.24	3.024E+01	2.804E-12
2.97	30.21	3.021E+01	2.782E-12
3.01	30.70	3.070E+01	3.114E-12
3.053	31.29	3.129E+01	3.572E-12
3.093	30.92	3.092E+01	3.277E-12
3.128	30.45	3.045E+01	2.943E-12

3.172	30.73	3.073E+01	3.136E-12
3.211	31.46	3.146E+01	3.715E-12
3.25	32.22	3.222E+01	4.422E-12
3.298	32.52	3.252E+01	4.734E-12
3.342	32.00	3.200E+01	4.201E-12
3.386	31.58	3.158E+01	3.818E-12
3.433	32.43	3.243E+01	4.637E-12
3.479	32.86	3.286E+01	5.128E-12
3.532	32.75	3.275E+01	4.992E-12
3.578	32.55	3.255E+01	4.770E-12
3.614	31.48	3.148E+01	3.728E-12
3.635	31.14	3.114E+01	3.450E-12
3.681	31.22	3.122E+01	3.515E-12
3.724	30.38	3.038E+01	2.894E-12
3.765	29.87	2.987E+01	2.574E-12
3.812	30.59	3.059E+01	3.042E-12
3.839	31.31	3.131E+01	3.586E-12
3.882	31.72	3.172E+01	3.940E-12
3.929	31.18	3.118E+01	3.478E-12
3.987	31.40	3.140E+01	3.663E-12
4.045	31.88	3.188E+01	4.093E-12
4.085	31.40	3.140E+01	3.663E-12
4.12	30.87	3.087E+01	3.240E-12
4.155	31.97	3.197E+01	4.174E-12
4.186	32.86	3.286E+01	5.122E-12
4.237	33.67	3.367E+01	6.176E-12
4.278	33.67	3.367E+01	6.176E-12
4.331	32.75	3.275E+01	4.997E-12
4.361	32.47	3.247E+01	4.690E-12
4.393	33.15	3.315E+01	5.477E-12
4.416	33.85	3.385E+01	6.443E-12
4.454	34.55	3.455E+01	7.565E-12
4.508	34.47	3.447E+01	7.432E-12
4.557	33.71	3.371E+01	6.232E-12
4.608	33.43	3.343E+01	5.845E-12
4.629	33.89	3.389E+01	6.504E-12
4.693	34.12	3.412E+01	6.846E-12
4.756	34.51	3.451E+01	7.498E-12
4.808	35.50	3.550E+01	9.409E-12
4.877	35.25	3.525E+01	8.887E-12
4.952	34.49	3.449E+01	7.459E-12
4.981	34.19	3.419E+01	6.963E-12
5.029	35.10	3.510E+01	8.580E-12
5.091	35.52	3.552E+01	9.465E-12
5.147	34.80	3.480E+01	8.018E-12
5.213	34.16	3.416E+01	6.918E-12
5.287	34.87	3.487E+01	8.132E-12
5.365	35.05	3.505E+01	8.484E-12
5.43	35.54	3.554E+01	9.498E-12

Calculate device radiated power from EMC test data

5.447	35.95	3.595E+01	1.044E-11
5.519	35.65	3.565E+01	9.751E-12
5.544	35.17	3.517E+01	8.727E-12
5.613	35.06	3.506E+01	8.497E-12
5.66	34.83	3.483E+01	8.075E-12
5.708	35.58	3.558E+01	9.588E-12
5.782	35.45	3.545E+01	9.299E-12
5.817	35.22	3.522E+01	8.820E-12
5.888	35.93	3.593E+01	1.039E-11
5.913	36.21	3.621E+01	1.109E-11
5.974	35.60	3.560E+01	9.633E-12
6.062	35.92	3.592E+01	1.036E-11
6.148	35.99	3.599E+01	1.053E-11
6.242	35.65	3.565E+01	9.745E-12
6.33	36.05	3.605E+01	1.067E-11
6.417	35.87	3.587E+01	1.025E-11
6.462	35.54	3.554E+01	9.498E-12
6.521	36.36	3.636E+01	1.148E-11
6.605	36.23	3.623E+01	1.113E-11
6.645	35.94	3.594E+01	1.041E-11
6.709	36.42	3.642E+01	1.162E-11
6.803	36.29	3.629E+01	1.129E-11
6.867	36.04	3.604E+01	1.066E-11
6.943	36.78	3.678E+01	1.264E-11
7.01	37.18	3.718E+01	1.385E-11
7.066	36.57	3.657E+01	1.205E-11
7.166	36.85	3.685E+01	1.284E-11
7.271	36.89	3.689E+01	1.296E-11
7.376	37.02	3.702E+01	1.335E-11
7.491	36.65	3.665E+01	1.226E-11
7.597	36.79	3.679E+01	1.267E-11
7.708	36.62	3.662E+01	1.217E-11
7.826	36.62	3.662E+01	1.219E-11
7.908	36.46	3.646E+01	1.174E-11
7.932	37.13	3.713E+01	1.369E-11
8.02	37.94	3.794E+01	1.652E-11
8.096	38.46	3.846E+01	1.861E-11
8.131	37.90	3.790E+01	1.634E-11
8.232	38.39	3.839E+01	1.831E-11
8.268	37.83	3.783E+01	1.611E-11
8.373	38.06	3.806E+01	1.696E-11
8.496	38.33	3.833E+01	1.805E-11
8.613	38.67	3.867E+01	1.951E-11
8.723	38.24	3.824E+01	1.768E-11
8.839	38.96	3.896E+01	2.086E-11
8.937	39.62	3.962E+01	2.431E-11
8.996	40.77	4.077E+01	3.168E-11
9.055	41.60	4.160E+01	3.836E-11
9.129	40.57	4.057E+01	3.022E-11

9.173	39.81	3.981E+01	2.537E-11
9.237	39.15	3.915E+01	2.180E-11
9.357	38.90	3.890E+01	2.060E-11
9.396	38.36	3.836E+01	1.818E-11
9.526	39.29	3.929E+01	2.252E-11
9.672	39.29	3.929E+01	2.251E-11
9.796	38.82	3.882E+01	2.021E-11
9.886	38.44	3.844E+01	1.851E-11
9.985	39.48	3.948E+01	2.354E-11
10.062	40.52	4.052E+01	2.988E-11
10.111	41.14	4.114E+01	3.450E-11
10.226	40.74	4.074E+01	3.145E-11
10.281	40.12	4.012E+01	2.727E-11
10.417	40.00	4.000E+01	2.655E-11
10.566	40.22	4.022E+01	2.792E-11
10.693	40.79	4.079E+01	3.181E-11
10.76	40.37	4.037E+01	2.889E-11
10.89	40.63	4.063E+01	3.069E-11
11.05	41.58	4.158E+01	3.815E-11
11.212	41.96	4.196E+01	4.167E-11
11.358	41.82	4.182E+01	4.031E-11
11.431	41.26	4.126E+01	3.546E-11
11.558	41.18	4.118E+01	3.480E-11
11.586	41.97	4.197E+01	4.174E-11
11.694	42.36	4.236E+01	4.564E-11
11.803	41.44	4.144E+01	3.698E-11
11.924	41.18	4.118E+01	3.480E-11
11.988	41.72	4.172E+01	3.945E-11
12.149	42.55	4.255E+01	4.776E-11
12.34	42.35	4.235E+01	4.557E-11
12.525	42.90	4.290E+01	5.167E-11
12.525	43.28	4.328E+01	5.651E-11
12.693	42.80	4.280E+01	5.059E-11
12.724	43.35	4.335E+01	5.731E-11
12.878	42.84	4.284E+01	5.105E-11
12.923	43.49	4.349E+01	5.927E-11
13.094	43.51	4.351E+01	5.958E-11
13.278	44.27	4.427E+01	7.086E-11
13.284	43.68	4.368E+01	6.191E-11
13.294	44.98	4.498E+01	8.350E-11
13.495	44.78	4.478E+01	7.966E-11
13.506	44.24	4.424E+01	7.049E-11
13.701	44.80	4.480E+01	8.004E-11
13.721	44.49	4.449E+01	7.458E-11
13.889	44.95	4.495E+01	8.291E-11
14.052	45.44	4.544E+01	9.273E-11
14.145	45.03	4.503E+01	8.439E-11
14.337	45.53	4.553E+01	9.481E-11
14.353	45.00	4.500E+01	8.389E-11

Calculate device radiated power from EMC test data

14.502	46.13	4.613E+01	1.088E-10
14.629	47.24	4.724E+01	1.404E-10
14.732	46.51	4.651E+01	1.188E-10
14.828	47.51	4.751E+01	1.494E-10
15.021	46.92	4.692E+01	1.304E-10
15.16	47.45	4.745E+01	1.476E-10
15.271	46.99	4.699E+01	1.327E-10
15.364	47.46	4.746E+01	1.479E-10
15.493	46.77	4.677E+01	1.260E-10
15.655	46.64	4.664E+01	1.222E-10
15.758	46.07	4.607E+01	1.074E-10
15.916	47.12	4.712E+01	1.367E-10
16.113	47.74	4.774E+01	1.576E-10
16.15	47.06	4.706E+01	1.349E-10
16.338	48.93	4.893E+01	2.075E-10
16.344	48.23	4.823E+01	1.764E-10
16.579	48.56	4.856E+01	1.903E-10
16.802	47.98	4.798E+01	1.668E-10
16.894	48.43	4.843E+01	1.846E-10
17.017	48.60	4.860E+01	1.920E-10
17.05	47.75	4.775E+01	1.580E-10
17.2	46.98	4.698E+01	1.325E-10
17.448	47.44	4.744E+01	1.470E-10
17.607	46.99	4.699E+01	1.326E-10
17.73	47.91	4.791E+01	1.641E-10
17.844	48.63	4.863E+01	1.934E-10
17.935	49.35	4.935E+01	2.281E-10
17.997	49.82	4.982E+01	2.547E-10