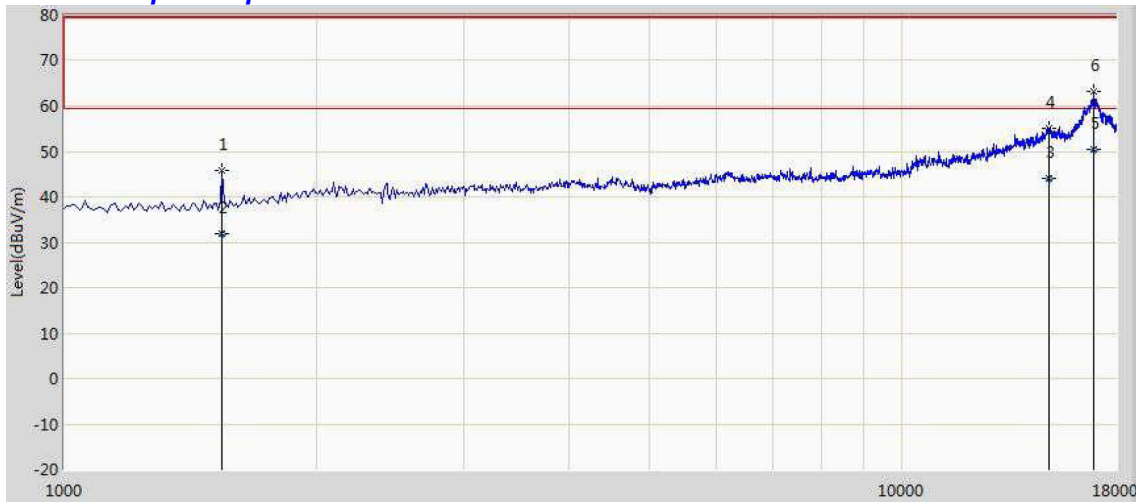


Prepared by: Dr Vitas Anderson (Two Fields Consulting)
Date: 14 June 2022

FCC ID: 2AS02PANDAR40P (Configuration 2, Figure 31, Class A device)
Frequency span: 1,000 MHz to 18,000 MHz
RBW: 1.0 MHz, distance: 3 m
Peak-to-average correction: -12.60 dB
No. of sample points: 17,000
Cumulative S level: 3.145×10^{-7} W/m²
Device radiated power: 0.0217 mW

EMC test spectral plot



Plot of extracted data from EMC test spectral plot

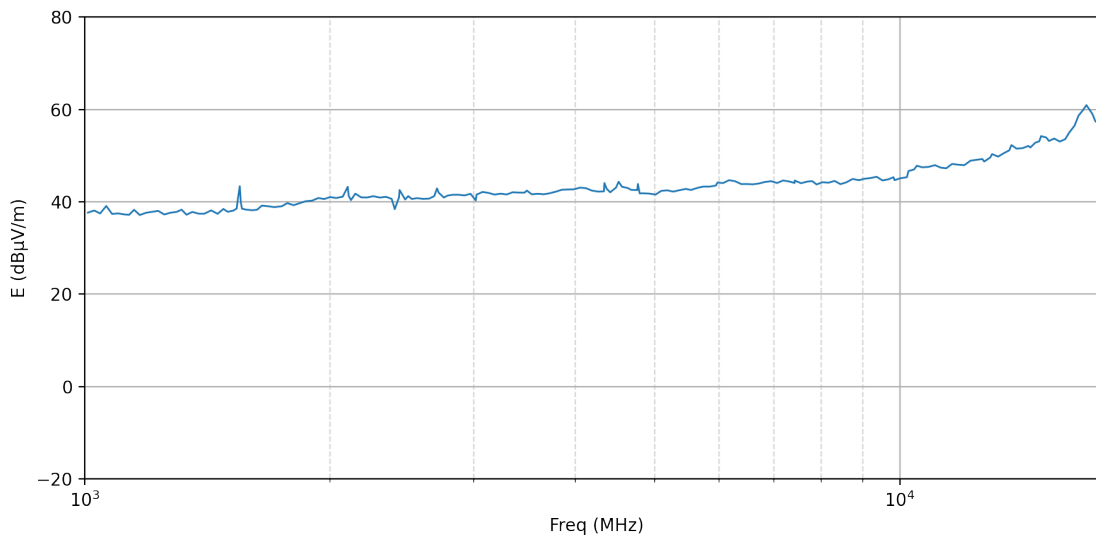


Table of extracted data from EMC test spectral plot

Freq (MHz)	E (dBμV/m)	E (V/m rms)	S (W/m²)
1009	37.65	2.505E+01	8.485E-13
1027	38.12	2.552E+01	9.445E-13
1045	37.47	2.487E+01	8.146E-13
1063	39.09	2.649E+01	1.182E-12
1080	37.37	2.477E+01	7.960E-13
1099	37.48	2.488E+01	8.163E-13
1118	37.26	2.466E+01	7.762E-13
1134	37.18	2.458E+01	7.620E-13
1150	38.27	2.567E+01	9.793E-13
1168	37.13	2.453E+01	7.531E-13
1189	37.63	2.503E+01	8.437E-13
1210	37.82	2.522E+01	8.832E-13
1230	38.04	2.544E+01	9.280E-13
1252	37.25	2.465E+01	7.737E-13
1273	37.63	2.503E+01	8.437E-13
1297	37.81	2.521E+01	8.809E-13
1315	38.30	2.570E+01	9.860E-13
1333	37.20	2.460E+01	7.652E-13
1355	37.80	2.520E+01	8.792E-13
1380	37.42	2.482E+01	8.051E-13
1402	37.41	2.481E+01	8.029E-13
1429	38.14	2.554E+01	9.493E-13
1455	37.40	2.480E+01	8.005E-13
1479	38.45	2.585E+01	1.019E-12
1498	37.83	2.523E+01	8.841E-13
1522	38.11	2.551E+01	9.433E-13
1536	38.54	2.594E+01	1.042E-12
1542	40.94	2.834E+01	1.811E-12
1550	43.39	3.079E+01	3.180E-12
1554	39.85	2.725E+01	1.408E-12
1559	38.52	2.592E+01	1.036E-12
1575	38.32	2.572E+01	9.895E-13
1606	38.17	2.557E+01	9.567E-13
1627	38.28	2.568E+01	9.804E-13
1650	39.18	2.658E+01	1.206E-12
1678	39.04	2.644E+01	1.169E-12
1708	38.85	2.625E+01	1.118E-12
1744	39.03	2.643E+01	1.165E-12
1772	39.71	2.711E+01	1.364E-12
1804	39.26	2.666E+01	1.229E-12
1836	39.71	2.711E+01	1.364E-12
1867	40.12	2.752E+01	1.498E-12
1901	40.25	2.765E+01	1.544E-12
1935	40.82	2.822E+01	1.759E-12
1967	40.60	2.800E+01	1.675E-12
2000	41.02	2.842E+01	1.844E-12

Calculate device radiated power from EMC test data

2035	40.82	2.822E+01	1.759E-12
2073	41.11	2.851E+01	1.882E-12
2102	43.24	3.064E+01	3.075E-12
2108	41.28	2.868E+01	1.956E-12
2121	40.36	2.776E+01	1.585E-12
2148	41.76	2.916E+01	2.187E-12
2184	40.94	2.834E+01	1.812E-12
2221	40.93	2.833E+01	1.807E-12
2260	41.21	2.861E+01	1.927E-12
2302	40.91	2.831E+01	1.797E-12
2342	41.07	2.847E+01	1.867E-12
2380	40.64	2.804E+01	1.688E-12
2401	38.40	2.580E+01	1.009E-12
2430	40.98	2.838E+01	1.827E-12
2433	42.55	2.995E+01	2.621E-12
2472	40.50	2.790E+01	1.634E-12
2494	41.23	2.863E+01	1.934E-12
2519	40.61	2.801E+01	1.678E-12
2557	40.79	2.819E+01	1.749E-12
2599	40.64	2.804E+01	1.688E-12
2645	40.68	2.808E+01	1.704E-12
2684	41.23	2.863E+01	1.934E-12
2705	42.90	3.030E+01	2.843E-12
2717	41.98	2.938E+01	2.299E-12
2757	40.92	2.832E+01	1.802E-12
2786	41.34	2.874E+01	1.985E-12
2826	41.51	2.891E+01	2.066E-12
2875	41.53	2.893E+01	2.071E-12
2922	41.37	2.877E+01	1.999E-12
2973	41.72	2.912E+01	2.167E-12
3018	40.30	2.770E+01	1.563E-12
3024	41.55	2.895E+01	2.083E-12
3077	42.13	2.953E+01	2.378E-12
3129	41.92	2.932E+01	2.267E-12
3183	41.56	2.896E+01	2.085E-12
3237	41.76	2.916E+01	2.187E-12
3293	41.59	2.899E+01	2.101E-12
3349	42.06	2.946E+01	2.342E-12
3405	41.99	2.939E+01	2.307E-12
3463	41.98	2.938E+01	2.297E-12
3486	42.43	2.983E+01	2.552E-12
3535	41.62	2.902E+01	2.114E-12
3595	41.74	2.914E+01	2.176E-12
3657	41.63	2.903E+01	2.120E-12
3720	41.85	2.925E+01	2.232E-12
3783	42.19	2.959E+01	2.415E-12
3848	42.60	3.000E+01	2.651E-12
3914	42.67	3.007E+01	2.695E-12
3981	42.69	3.009E+01	2.710E-12

Calculate device radiated power from EMC test data

4049	43.06	3.046E+01	2.946E-12
4118	42.95	3.035E+01	2.875E-12
4189	42.42	2.982E+01	2.547E-12
4261	42.21	2.961E+01	2.425E-12
4334	42.25	2.965E+01	2.446E-12
4340	44.06	3.146E+01	3.711E-12
4367	42.83	3.023E+01	2.796E-12
4411	42.05	2.945E+01	2.338E-12
4485	43.08	3.048E+01	2.962E-12
4517	44.33	3.173E+01	3.952E-12
4562	43.25	3.065E+01	3.078E-12
4636	42.97	3.037E+01	2.891E-12
4680	42.59	2.999E+01	2.644E-12
4761	42.53	2.993E+01	2.609E-12
4770	43.85	3.125E+01	3.541E-12
4795	41.81	2.921E+01	2.212E-12
4843	41.83	2.923E+01	2.224E-12
4926	41.78	2.918E+01	2.195E-12
5014	41.56	2.896E+01	2.086E-12
5096	42.37	2.977E+01	2.514E-12
5183	42.47	2.987E+01	2.576E-12
5272	42.20	2.960E+01	2.422E-12
5364	42.50	2.990E+01	2.593E-12
5459	42.79	3.019E+01	2.769E-12
5541	42.56	2.996E+01	2.628E-12
5645	43.01	3.041E+01	2.916E-12
5739	43.29	3.069E+01	3.111E-12
5837	43.28	3.068E+01	3.105E-12
5945	43.50	3.090E+01	3.267E-12
5973	44.17	3.157E+01	3.807E-12
6066	44.05	3.145E+01	3.704E-12
6170	44.67	3.207E+01	4.274E-12
6276	44.46	3.186E+01	4.067E-12
6387	43.83	3.123E+01	3.524E-12
6484	43.85	3.125E+01	3.533E-12
6603	43.78	3.118E+01	3.483E-12
6717	43.96	3.136E+01	3.630E-12
6832	44.29	3.169E+01	3.917E-12
6949	44.46	3.186E+01	4.071E-12
7067	44.06	3.146E+01	3.713E-12
7188	44.62	3.202E+01	4.220E-12
7318	44.39	3.179E+01	4.003E-12
7427	44.07	3.147E+01	3.718E-12
7427	44.60	3.200E+01	4.205E-12
7564	44.02	3.142E+01	3.675E-12
7693	44.37	3.177E+01	3.986E-12
7805	44.48	3.188E+01	4.085E-12
7902	43.75	3.115E+01	3.458E-12
8033	44.23	3.163E+01	3.865E-12

Calculate device radiated power from EMC test data

8174	44.13	3.153E+01	3.773E-12
8315	44.51	3.191E+01	4.122E-12
8453	43.81	3.121E+01	3.508E-12
8592	44.20	3.160E+01	3.834E-12
8750	44.95	3.235E+01	4.554E-12
8902	44.67	3.207E+01	4.271E-12
9041	44.97	3.237E+01	4.581E-12
9201	45.13	3.253E+01	4.754E-12
9362	45.41	3.281E+01	5.072E-12
9519	44.62	3.202E+01	4.220E-12
9682	44.87	3.227E+01	4.472E-12
9819	45.32	3.272E+01	4.959E-12
9848	44.68	3.208E+01	4.285E-12
10008	45.08	3.248E+01	4.697E-12
10198	45.32	3.272E+01	4.957E-12
10243	46.66	3.406E+01	6.752E-12
10404	46.99	3.439E+01	7.286E-12
10489	47.80	3.520E+01	8.790E-12
10650	47.46	3.486E+01	8.130E-12
10848	47.56	3.496E+01	8.311E-12
11037	47.93	3.533E+01	9.058E-12
11218	47.40	3.480E+01	8.007E-12
11395	47.25	3.465E+01	7.731E-12
11585	48.19	3.559E+01	9.604E-12
11789	48.03	3.543E+01	9.263E-12
11994	47.92	3.532E+01	9.035E-12
12203	48.89	3.629E+01	1.129E-11
12426	49.10	3.650E+01	1.184E-11
12623	49.25	3.665E+01	1.227E-11
12683	48.71	3.611E+01	1.082E-11
12904	49.58	3.698E+01	1.324E-11
12972	50.32	3.772E+01	1.571E-11
13195	49.77	3.717E+01	1.384E-11
13394	50.48	3.788E+01	1.627E-11
13616	51.13	3.853E+01	1.891E-11
13701	52.27	3.967E+01	2.459E-11
13902	51.50	3.890E+01	2.059E-11
14149	51.62	3.902E+01	2.118E-11
14372	52.09	3.949E+01	2.357E-11
14452	51.74	3.914E+01	2.177E-11
14651	52.77	4.017E+01	2.759E-11
14822	53.10	4.050E+01	2.975E-11
14894	54.21	4.161E+01	3.844E-11
15115	53.91	4.131E+01	3.587E-11
15233	53.17	4.057E+01	3.022E-11
15459	53.68	4.108E+01	3.403E-11
15702	53.04	4.044E+01	2.935E-11
15945	53.54	4.094E+01	3.294E-11
16130	54.98	4.238E+01	4.587E-11

16373	56.48	4.388E+01	6.475E-11
16560	58.66	4.606E+01	1.070E-10
16764	59.81	4.721E+01	1.395E-10
16931	60.92	4.832E+01	1.801E-10
17215	59.05	4.645E+01	1.170E-10
17365	57.43	4.483E+01	8.058E-11
17630	56.62	4.402E+01	6.692E-11
17810	56.21	4.361E+01	6.091E-11
17959	54.81	4.221E+01	4.414E-11