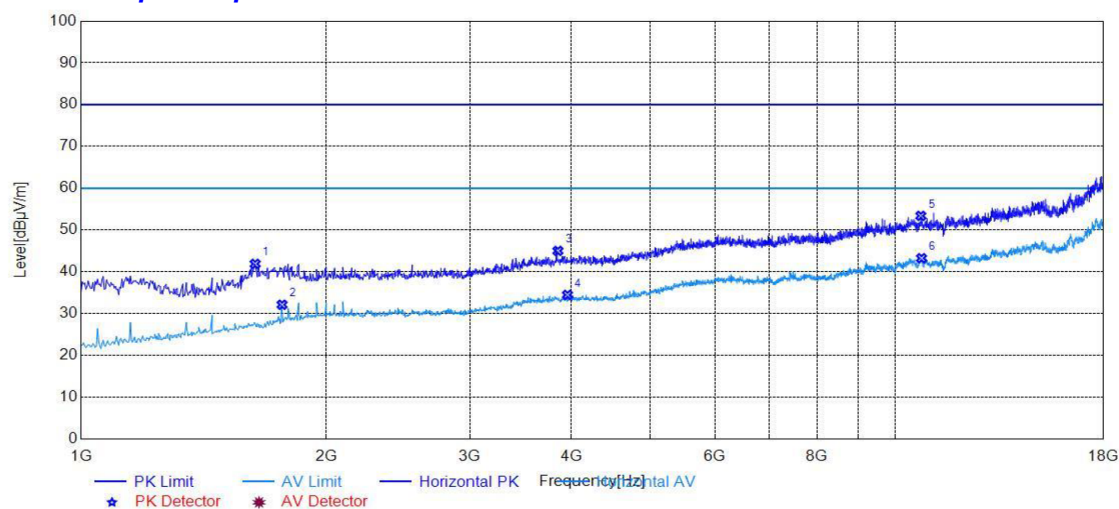


Prepared by: Dr Vitas Anderson (Two Fields Consulting)
Date: 14 June 2022

FCC ID: 2AS02PANDAR64 (Configuration 1, Figure 18, 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: $9.303\text{E-}07 \text{ W/m}^2$
Device radiated power: 0.0642 mW

EMC test spectral plot



Plot of extracted data from EMC test spectral plot

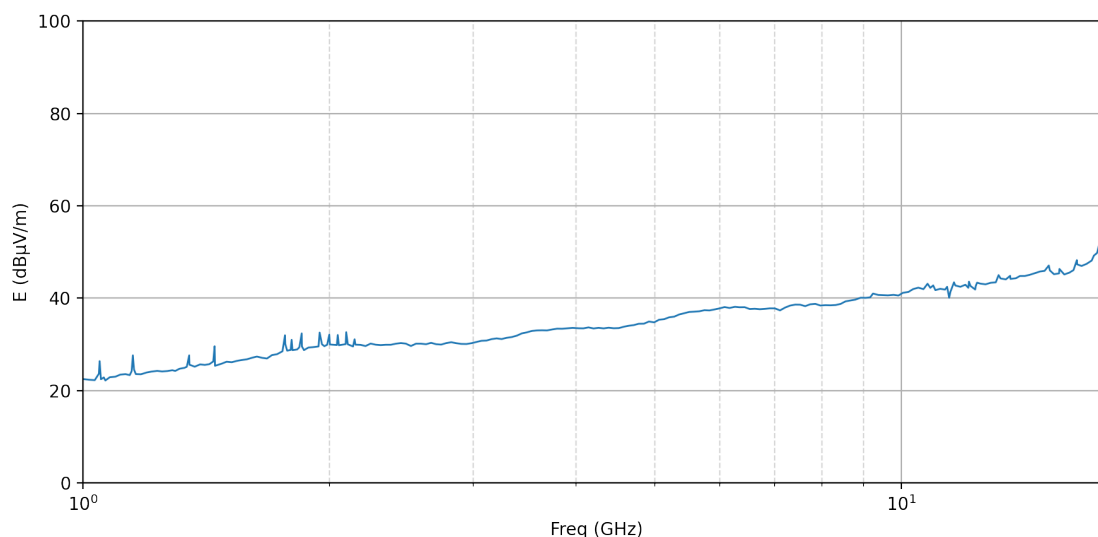


Table of extracted data from EMC test spectral plot

Freq (GHz)	E (dBμV/m)	E (V/m rms)	S (W/m²)
0.999	22.50	2.250E+01	4.717E-13
1.018	22.35	2.235E+01	4.556E-13
1.033	22.27	2.227E+01	4.472E-13
1.045	23.67	2.367E+01	6.173E-13
1.047	26.39	2.639E+01	1.155E-12
1.051	22.47	2.247E+01	4.679E-13
1.06	22.86	2.286E+01	5.121E-13
1.064	22.19	2.219E+01	4.397E-13
1.078	22.90	2.290E+01	5.174E-13
1.095	23.02	2.302E+01	5.315E-13
1.11	23.46	2.346E+01	5.890E-13
1.126	23.57	2.357E+01	6.032E-13
1.14	23.36	2.336E+01	5.748E-13
1.146	24.21	2.421E+01	6.990E-13
1.15	27.64	2.764E+01	1.539E-12
1.154	24.56	2.456E+01	7.571E-13
1.16	23.58	2.358E+01	6.046E-13
1.176	23.54	2.354E+01	5.993E-13
1.195	23.92	2.392E+01	6.536E-13
1.211	24.11	2.411E+01	6.836E-13
1.232	24.27	2.427E+01	7.094E-13
1.249	24.15	2.415E+01	6.899E-13
1.267	24.23	2.423E+01	7.033E-13
1.285	24.41	2.441E+01	7.327E-13
1.296	24.26	2.426E+01	7.077E-13
1.312	24.75	2.475E+01	7.912E-13
1.331	24.94	2.494E+01	8.271E-13
1.339	25.17	2.517E+01	8.730E-13
1.348	27.64	2.764E+01	1.539E-12
1.349	25.61	2.561E+01	9.650E-13
1.369	25.18	2.518E+01	8.750E-13
1.39	25.68	2.568E+01	9.809E-13
1.408	25.57	2.557E+01	9.561E-13
1.426	25.73	2.573E+01	9.924E-13
1.442	26.31	2.631E+01	1.133E-12
1.448	29.61	2.961E+01	2.423E-12
1.449	25.37	2.537E+01	9.131E-13
1.477	25.84	2.584E+01	1.019E-12
1.498	26.26	2.626E+01	1.120E-12
1.519	26.15	2.615E+01	1.092E-12
1.541	26.44	2.644E+01	1.167E-12
1.563	26.63	2.663E+01	1.220E-12
1.585	26.78	2.678E+01	1.263E-12
1.608	27.10	2.710E+01	1.361E-12
1.631	27.38	2.738E+01	1.450E-12
1.654	27.10	2.710E+01	1.361E-12

1.678	26.95	2.695E+01	1.315E-12
1.701	27.69	2.769E+01	1.560E-12
1.726	27.89	2.789E+01	1.631E-12
1.752	28.51	2.851E+01	1.884E-12
1.765	31.98	3.198E+01	4.183E-12
1.766	30.08	3.008E+01	2.704E-12
1.775	28.65	2.865E+01	1.942E-12
1.793	28.81	2.881E+01	2.018E-12
1.798	31.00	3.100E+01	3.338E-12
1.802	28.76	2.876E+01	1.993E-12
1.827	28.92	2.892E+01	2.067E-12
1.838	29.41	2.941E+01	2.313E-12
1.85	32.39	3.239E+01	4.595E-12
1.851	29.57	2.957E+01	2.402E-12
1.861	28.77	2.877E+01	1.998E-12
1.885	29.32	2.932E+01	2.270E-12
1.911	29.42	2.942E+01	2.319E-12
1.939	29.56	2.956E+01	2.397E-12
1.945	32.57	3.257E+01	4.794E-12
1.958	30.03	3.003E+01	2.673E-12
1.972	29.61	2.961E+01	2.427E-12
1.987	29.93	2.993E+01	2.608E-12
1.999	32.12	3.212E+01	4.320E-12
2.002	29.99	2.999E+01	2.647E-12
2.042	29.87	2.987E+01	2.576E-12
2.047	32.04	3.204E+01	4.240E-12
2.054	29.82	2.982E+01	2.545E-12
2.093	30.06	3.006E+01	2.692E-12
2.097	32.66	3.266E+01	4.893E-12
2.106	30.03	3.003E+01	2.671E-12
2.137	29.55	2.955E+01	2.394E-12
2.147	31.11	3.111E+01	3.428E-12
2.152	29.95	2.995E+01	2.625E-12
2.183	29.91	2.991E+01	2.598E-12
2.214	29.65	2.965E+01	2.444E-12
2.246	30.18	3.018E+01	2.767E-12
2.278	29.95	2.995E+01	2.620E-12
2.31	29.85	2.985E+01	2.563E-12
2.343	29.93	2.993E+01	2.610E-12
2.377	29.93	2.993E+01	2.611E-12
2.411	30.15	3.015E+01	2.748E-12
2.445	30.29	3.029E+01	2.835E-12
2.48	30.17	3.017E+01	2.758E-12
2.515	29.66	2.966E+01	2.451E-12
2.551	30.16	3.016E+01	2.753E-12
2.588	30.16	3.016E+01	2.753E-12
2.625	30.04	3.004E+01	2.679E-12
2.662	30.34	3.034E+01	2.868E-12
2.7	30.05	3.005E+01	2.681E-12

Calculate device radiated power from EMC test data

2.739	29.97	2.997E+01	2.634E-12
2.778	30.28	3.028E+01	2.829E-12
2.818	30.48	3.048E+01	2.963E-12
2.858	30.26	3.026E+01	2.815E-12
2.899	30.11	3.011E+01	2.720E-12
2.94	30.09	3.009E+01	2.707E-12
2.982	30.26	3.026E+01	2.815E-12
3.025	30.53	3.053E+01	2.998E-12
3.068	30.78	3.078E+01	3.177E-12
3.112	30.84	3.084E+01	3.215E-12
3.157	31.15	3.115E+01	3.454E-12
3.202	31.30	3.130E+01	3.580E-12
3.247	31.16	3.116E+01	3.466E-12
3.294	31.44	3.144E+01	3.692E-12
3.341	31.59	3.159E+01	3.827E-12
3.389	31.90	3.190E+01	4.104E-12
3.437	32.38	3.238E+01	4.593E-12
3.486	32.61	3.261E+01	4.842E-12
3.536	32.92	3.292E+01	5.193E-12
3.586	33.03	3.303E+01	5.328E-12
3.638	33.06	3.306E+01	5.364E-12
3.69	33.03	3.303E+01	5.328E-12
3.745	33.24	3.324E+01	5.597E-12
3.796	33.41	3.341E+01	5.812E-12
3.85	33.39	3.339E+01	5.792E-12
3.909	33.49	3.349E+01	5.921E-12
3.966	33.58	3.358E+01	6.044E-12
4.035	33.49	3.349E+01	5.924E-12
4.088	33.47	3.347E+01	5.902E-12
4.146	33.69	3.369E+01	6.201E-12
4.205	33.45	3.345E+01	5.872E-12
4.266	33.59	3.359E+01	6.065E-12
4.326	33.47	3.347E+01	5.892E-12
4.388	33.62	3.362E+01	6.106E-12
4.451	33.50	3.350E+01	5.932E-12
4.515	33.53	3.353E+01	5.983E-12
4.579	33.82	3.382E+01	6.394E-12
4.645	34.04	3.404E+01	6.730E-12
4.711	34.18	3.418E+01	6.952E-12
4.776	34.47	3.447E+01	7.424E-12
4.847	34.49	3.449E+01	7.455E-12
4.916	34.95	3.495E+01	8.301E-12
4.988	34.78	3.478E+01	7.967E-12
5.057	35.34	3.534E+01	9.071E-12
5.13	35.46	3.546E+01	9.322E-12
5.203	35.87	3.587E+01	1.024E-11
5.277	36.01	3.601E+01	1.058E-11
5.353	36.48	3.648E+01	1.180E-11
5.429	36.76	3.676E+01	1.256E-11

5.507	37.03	3.703E+01	1.338E-11
5.585	37.09	3.709E+01	1.357E-11
5.665	37.17	3.717E+01	1.382E-11
5.746	37.41	3.741E+01	1.460E-11
5.828	37.36	3.736E+01	1.443E-11
5.911	37.56	3.756E+01	1.513E-11
5.996	37.80	3.780E+01	1.598E-11
6.082	38.08	3.808E+01	1.705E-11
6.169	37.89	3.789E+01	1.631E-11
6.262	38.14	3.814E+01	1.727E-11
6.342	38.04	3.804E+01	1.688E-11
6.437	38.05	3.805E+01	1.694E-11
6.529	37.66	3.766E+01	1.547E-11
6.622	37.72	3.772E+01	1.568E-11
6.717	37.61	3.761E+01	1.531E-11
6.813	37.70	3.770E+01	1.560E-11
6.909	37.81	3.781E+01	1.602E-11
7.007	37.80	3.780E+01	1.598E-11
7.109	37.36	3.736E+01	1.445E-11
7.21	37.97	3.797E+01	1.662E-11
7.313	38.41	3.841E+01	1.838E-11
7.421	38.61	3.861E+01	1.928E-11
7.522	38.60	3.860E+01	1.921E-11
7.631	38.28	3.828E+01	1.786E-11
7.737	38.67	3.867E+01	1.954E-11
7.851	38.78	3.878E+01	2.002E-11
7.963	38.42	3.842E+01	1.844E-11
8.077	38.50	3.850E+01	1.876E-11
8.193	38.47	3.847E+01	1.863E-11
8.312	38.52	3.852E+01	1.888E-11
8.428	38.76	3.876E+01	1.992E-11
8.549	39.32	3.932E+01	2.267E-11
8.671	39.51	3.951E+01	2.371E-11
8.784	39.69	3.969E+01	2.469E-11
8.92	40.11	4.011E+01	2.718E-11
9.048	40.08	4.008E+01	2.703E-11
9.163	40.19	4.019E+01	2.771E-11
9.235	41.01	4.101E+01	3.345E-11
9.373	40.71	4.071E+01	3.123E-11
9.502	40.66	4.066E+01	3.088E-11
9.633	40.61	4.061E+01	3.056E-11
9.784	40.72	4.072E+01	3.134E-11
9.921	40.58	4.058E+01	3.033E-11
10.046	41.17	4.117E+01	3.469E-11
10.204	41.36	4.136E+01	3.626E-11
10.342	41.98	4.198E+01	4.188E-11
10.493	42.28	4.228E+01	4.486E-11
10.645	41.96	4.196E+01	4.168E-11
10.768	43.14	4.314E+01	5.460E-11

Calculate device radiated power from EMC test data

10.853	42.24	4.224E+01	4.446E-11
10.941	42.77	4.277E+01	5.020E-11
11.008	41.75	4.175E+01	3.965E-11
11.159	42.04	4.204E+01	4.240E-11
11.313	41.86	4.186E+01	4.074E-11
11.378	42.47	4.247E+01	4.689E-11
11.444	40.10	4.010E+01	2.717E-11
11.485	41.39	4.139E+01	3.649E-11
11.6	43.44	4.344E+01	5.856E-11
11.644	42.75	4.275E+01	4.997E-11
11.81	42.47	4.247E+01	4.689E-11
11.979	42.91	4.291E+01	5.186E-11
12.078	42.25	4.225E+01	4.455E-11
12.099	43.59	4.359E+01	6.060E-11
12.15	42.66	4.266E+01	4.898E-11
12.314	41.88	4.188E+01	4.090E-11
12.332	42.62	4.262E+01	4.850E-11
12.379	43.37	4.337E+01	5.757E-11
12.492	43.16	4.316E+01	5.488E-11
12.678	43.01	4.301E+01	5.302E-11
12.865	43.34	4.334E+01	5.724E-11
13.048	43.44	4.344E+01	5.853E-11
13.152	45.00	4.500E+01	8.386E-11
13.226	44.27	4.427E+01	7.095E-11
13.425	44.08	4.408E+01	6.783E-11
13.586	44.85	4.485E+01	8.104E-11
13.599	44.18	4.418E+01	6.940E-11
13.805	44.31	4.431E+01	7.158E-11
13.965	44.80	4.480E+01	8.018E-11
14.165	44.81	4.481E+01	8.032E-11
14.346	45.05	4.505E+01	8.481E-11
14.58	45.44	4.544E+01	9.277E-11
14.77	45.77	4.577E+01	1.002E-10
14.969	45.92	4.592E+01	1.036E-10
15.148	47.08	4.708E+01	1.354E-10
15.192	46.02	4.602E+01	1.061E-10
15.37	45.19	4.519E+01	8.769E-11
15.593	45.37	4.537E+01	9.136E-11
15.607	46.34	4.634E+01	1.141E-10
15.822	45.14	4.514E+01	8.658E-11
16.051	45.53	4.553E+01	9.487E-11
16.239	46.08	4.608E+01	1.075E-10
16.393	48.24	4.824E+01	1.768E-10
16.406	47.32	4.732E+01	1.433E-10
16.611	46.98	4.698E+01	1.324E-10
16.845	47.42	4.742E+01	1.465E-10
17.093	48.15	4.815E+01	1.732E-10
17.198	49.22	4.922E+01	2.216E-10
17.353	49.79	4.979E+01	2.529E-10

Calculate device radiated power from EMC test data

17.448	51.46	5.146E+01	3.712E-10
17.548	51.18	5.118E+01	3.485E-10
17.598	50.35	5.035E+01	2.878E-10
17.648	52.35	5.235E+01	4.557E-10
17.78	50.15	5.015E+01	2.749E-10
17.815	51.18	5.118E+01	3.478E-10
17.949	51.40	5.140E+01	3.666E-10