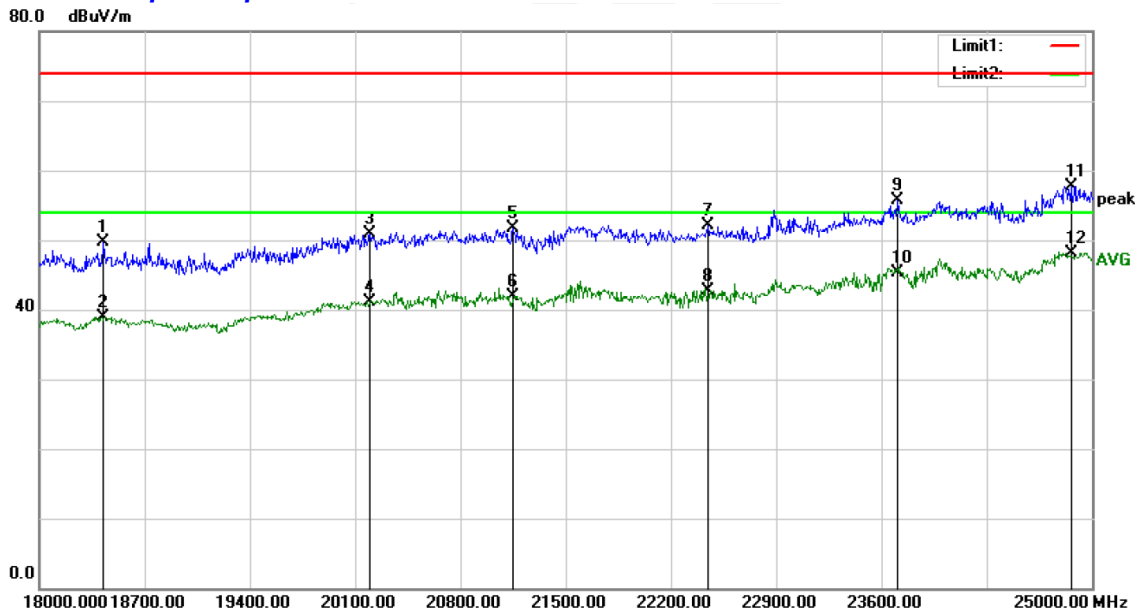


Prepared by: Dr Vitas Anderson (Two Fields Consulting)
Date: 14 June 2022

FCC ID: 2AGAK-X7 (Configuration 1, Figure 23, Class B device)
Frequency span: 18,000 MHz to 25,000 MHz
RBW: 1.0 MHz, distance: 3 m
Peak-to-average correction: N/A
No. of sample points: 7,000
Cumulative S level: $3.390\text{E-}07 \text{ W/m}^2$
Device radiated power: 0.0234 mW

EMC test spectral plot



Plot of extracted data from EMC test spectral plot

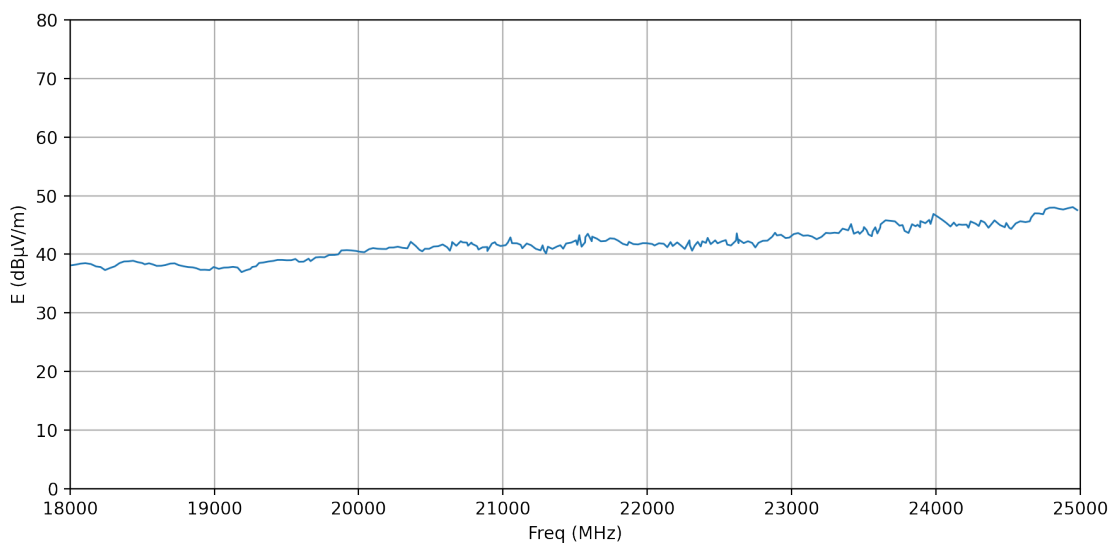


Table of extracted data from EMC test spectral plot

Freq (MHz)	E (dBμV/m)	E (V/m rms)	S (W/m²)
18012	38.14	3.814E+01	1.727E-11
18042	38.26	3.826E+01	1.775E-11
18072	38.41	3.841E+01	1.840E-11
18106	38.49	3.849E+01	1.872E-11
18145	38.34	3.834E+01	1.811E-11
18180	37.94	3.794E+01	1.650E-11
18212	37.83	3.783E+01	1.610E-11
18243	37.31	3.731E+01	1.429E-11
18274	37.64	3.764E+01	1.539E-11
18311	37.96	3.796E+01	1.657E-11
18343	38.50	3.850E+01	1.879E-11
18374	38.78	3.878E+01	2.003E-11
18405	38.81	3.881E+01	2.016E-11
18437	38.90	3.890E+01	2.061E-11
18469	38.66	3.866E+01	1.950E-11
18500	38.51	3.851E+01	1.884E-11
18518	38.30	3.830E+01	1.793E-11
18547	38.47	3.847E+01	1.864E-11
18573	38.28	3.828E+01	1.787E-11
18601	38.03	3.803E+01	1.685E-11
18631	38.05	3.805E+01	1.692E-11
18658	38.16	3.816E+01	1.735E-11
18695	38.42	3.842E+01	1.845E-11
18725	38.46	3.846E+01	1.860E-11
18754	38.15	3.815E+01	1.731E-11
18788	37.96	3.796E+01	1.657E-11
18820	37.83	3.783E+01	1.608E-11
18851	37.77	3.777E+01	1.587E-11
18877	37.62	3.762E+01	1.532E-11
18904	37.35	3.735E+01	1.442E-11
18935	37.37	3.737E+01	1.447E-11
18967	37.31	3.731E+01	1.428E-11
18995	37.83	3.783E+01	1.610E-11
19031	37.53	3.753E+01	1.501E-11
19066	37.73	3.773E+01	1.573E-11
19096	37.76	3.776E+01	1.583E-11
19129	37.86	3.786E+01	1.622E-11
19161	37.75	3.775E+01	1.580E-11
19189	36.97	3.697E+01	1.320E-11
19219	37.28	3.728E+01	1.417E-11
19249	37.49	3.749E+01	1.490E-11
19263	37.84	3.784E+01	1.615E-11
19289	37.96	3.796E+01	1.657E-11
19310	38.53	3.853E+01	1.889E-11
19339	38.60	3.860E+01	1.922E-11
19374	38.77	3.877E+01	2.000E-11

19407	38.87	3.887E+01	2.047E-11
19438	39.05	3.905E+01	2.130E-11
19470	39.05	3.905E+01	2.129E-11
19502	38.99	3.899E+01	2.101E-11
19533	39.00	3.900E+01	2.106E-11
19562	39.21	3.921E+01	2.209E-11
19586	38.73	3.873E+01	1.981E-11
19619	38.75	3.875E+01	1.990E-11
19653	39.26	3.926E+01	2.238E-11
19667	38.84	3.884E+01	2.029E-11
19703	39.48	3.948E+01	2.352E-11
19733	39.54	3.954E+01	2.383E-11
19763	39.50	3.950E+01	2.365E-11
19795	39.89	3.989E+01	2.584E-11
19834	39.90	3.990E+01	2.594E-11
19858	39.99	3.999E+01	2.644E-11
19881	40.67	4.067E+01	3.093E-11
19918	40.71	4.071E+01	3.126E-11
19948	40.67	4.067E+01	3.095E-11
19981	40.58	4.058E+01	3.031E-11
20009	40.44	4.044E+01	2.937E-11
20039	40.36	4.036E+01	2.884E-11
20072	40.88	4.088E+01	3.248E-11
20100	41.06	4.106E+01	3.385E-11
20133	40.95	4.095E+01	3.304E-11
20163	40.92	4.092E+01	3.277E-11
20192	40.91	4.091E+01	3.269E-11
20210	41.16	4.116E+01	3.463E-11
20241	41.16	4.116E+01	3.467E-11
20272	41.31	4.131E+01	3.582E-11
20302	41.12	4.112E+01	3.436E-11
20338	41.02	4.102E+01	3.356E-11
20361	42.14	4.214E+01	4.339E-11
20395	41.43	4.143E+01	3.691E-11
20421	40.78	4.078E+01	3.175E-11
20441	40.51	4.051E+01	2.984E-11
20459	40.95	4.095E+01	3.302E-11
20488	40.94	4.094E+01	3.295E-11
20519	41.33	4.133E+01	3.603E-11
20551	41.38	4.138E+01	3.645E-11
20582	41.68	4.168E+01	3.909E-11
20614	41.21	4.121E+01	3.502E-11
20632	40.62	4.062E+01	3.063E-11
20645	41.56	4.156E+01	3.799E-11
20648	42.10	4.210E+01	4.301E-11
20677	41.46	4.146E+01	3.714E-11
20707	42.23	4.223E+01	4.435E-11
20721	42.04	4.204E+01	4.246E-11
20750	42.01	4.201E+01	4.209E-11

Calculate device radiated power from EMC test data

20758	41.48	4.148E+01	3.726E-11
20782	42.01	4.201E+01	4.209E-11
20787	41.79	4.179E+01	4.003E-11
20820	41.38	4.138E+01	3.649E-11
20831	40.82	4.082E+01	3.202E-11
20859	41.20	4.120E+01	3.499E-11
20892	41.25	4.125E+01	3.536E-11
20892	40.57	4.057E+01	3.023E-11
20923	41.83	4.183E+01	4.047E-11
20944	42.07	4.207E+01	4.273E-11
20955	41.69	4.169E+01	3.913E-11
20984	41.42	4.142E+01	3.677E-11
21019	41.57	4.157E+01	3.804E-11
21034	42.01	4.201E+01	4.213E-11
21052	42.89	4.289E+01	5.165E-11
21063	41.90	4.190E+01	4.105E-11
21097	41.88	4.188E+01	4.093E-11
21123	41.63	4.163E+01	3.862E-11
21135	41.04	4.104E+01	3.367E-11
21165	41.84	4.184E+01	4.056E-11
21195	41.57	4.157E+01	3.804E-11
21228	40.94	4.094E+01	3.291E-11
21261	40.68	4.068E+01	3.103E-11
21275	41.53	4.153E+01	3.775E-11
21285	40.65	4.065E+01	3.083E-11
21298	40.15	4.015E+01	2.747E-11
21312	41.31	4.131E+01	3.582E-11
21343	40.93	4.093E+01	3.287E-11
21375	41.33	4.133E+01	3.606E-11
21398	41.55	4.155E+01	3.791E-11
21417	40.96	4.096E+01	3.312E-11
21437	41.84	4.184E+01	4.056E-11
21474	42.01	4.201E+01	4.218E-11
21506	42.39	4.239E+01	4.600E-11
21515	41.63	4.163E+01	3.858E-11
21529	43.27	4.327E+01	5.635E-11
21535	42.53	4.253E+01	4.744E-11
21540	41.92	4.192E+01	4.123E-11
21545	41.31	4.131E+01	3.582E-11
21569	42.06	4.206E+01	4.264E-11
21571	42.94	4.294E+01	5.224E-11
21588	43.51	4.351E+01	5.947E-11
21615	42.24	4.224E+01	4.438E-11
21618	43.02	4.302E+01	5.319E-11
21652	42.67	4.267E+01	4.902E-11
21679	42.22	4.222E+01	4.425E-11
21712	42.28	4.228E+01	4.488E-11
21742	42.73	4.273E+01	4.977E-11
21772	42.67	4.267E+01	4.902E-11

21798	42.34	4.234E+01	4.547E-11
21831	41.78	4.178E+01	4.000E-11
21862	41.57	4.157E+01	3.808E-11
21873	42.13	4.213E+01	4.330E-11
21904	41.74	4.174E+01	3.960E-11
21936	41.69	4.169E+01	3.917E-11
21969	41.91	4.191E+01	4.115E-11
21997	41.90	4.190E+01	4.104E-11
22035	41.76	4.176E+01	3.977E-11
22050	41.51	4.151E+01	3.758E-11
22081	41.88	4.188E+01	4.093E-11
22114	41.81	4.181E+01	4.021E-11
22139	41.22	4.122E+01	3.513E-11
22161	42.09	4.209E+01	4.292E-11
22177	41.42	4.142E+01	3.677E-11
22207	42.03	4.203E+01	4.238E-11
22238	41.41	4.141E+01	3.670E-11
22260	40.92	4.092E+01	3.277E-11
22293	42.38	4.238E+01	4.592E-11
22295	41.56	4.156E+01	3.799E-11
22311	40.62	4.062E+01	3.063E-11
22329	41.50	4.150E+01	3.750E-11
22350	42.13	4.213E+01	4.334E-11
22370	41.34	4.134E+01	3.614E-11
22381	42.22	4.222E+01	4.427E-11
22407	41.96	4.196E+01	4.163E-11
22418	42.81	4.281E+01	5.065E-11
22440	41.74	4.174E+01	3.962E-11
22471	42.38	4.238E+01	4.592E-11
22487	41.88	4.188E+01	4.093E-11
22518	42.22	4.222E+01	4.425E-11
22544	42.43	4.243E+01	4.637E-11
22554	41.66	4.166E+01	3.892E-11
22580	41.51	4.151E+01	3.758E-11
22615	42.35	4.235E+01	4.562E-11
22620	43.57	4.357E+01	6.041E-11
22633	41.91	4.191E+01	4.118E-11
22634	42.53	4.253E+01	4.744E-11
22669	41.92	4.192E+01	4.127E-11
22698	42.24	4.224E+01	4.438E-11
22727	41.95	4.195E+01	4.154E-11
22749	41.18	4.118E+01	3.479E-11
22771	41.97	4.197E+01	4.177E-11
22801	42.31	4.231E+01	4.513E-11
22833	42.34	4.234E+01	4.542E-11
22866	43.01	4.301E+01	5.302E-11
22886	43.68	4.368E+01	6.190E-11
22898	43.23	4.323E+01	5.586E-11
22927	43.34	4.334E+01	5.724E-11

22959	42.78	4.278E+01	5.032E-11
22985	42.87	4.287E+01	5.131E-11
23015	43.45	4.345E+01	5.870E-11
23045	43.63	4.363E+01	6.121E-11
23081	43.18	4.318E+01	5.513E-11
23114	43.23	4.323E+01	5.586E-11
23142	43.04	4.304E+01	5.343E-11
23174	42.58	4.258E+01	4.807E-11
23208	42.98	4.298E+01	5.274E-11
23238	43.66	4.366E+01	6.161E-11
23267	43.60	4.360E+01	6.073E-11
23299	43.70	4.370E+01	6.213E-11
23327	43.62	4.362E+01	6.105E-11
23354	44.38	4.438E+01	7.273E-11
23392	44.10	4.410E+01	6.825E-11
23413	45.16	4.516E+01	8.710E-11
23421	44.39	4.439E+01	7.292E-11
23432	43.52	4.352E+01	5.963E-11
23462	43.86	4.386E+01	6.449E-11
23472	43.50	4.350E+01	5.937E-11
23496	44.09	4.409E+01	6.795E-11
23502	44.65	4.465E+01	7.744E-11
23520	44.14	4.414E+01	6.885E-11
23533	43.40	4.340E+01	5.809E-11
23556	43.10	4.310E+01	5.418E-11
23562	43.88	4.388E+01	6.477E-11
23580	44.62	4.462E+01	7.683E-11
23595	43.56	4.356E+01	6.022E-11
23615	44.57	4.457E+01	7.593E-11
23617	45.12	4.512E+01	8.619E-11
23651	45.81	4.581E+01	1.010E-10
23688	45.71	4.571E+01	9.882E-11
23717	45.62	4.562E+01	9.685E-11
23748	44.90	4.490E+01	8.195E-11
23769	44.99	4.499E+01	8.375E-11
23783	44.00	4.400E+01	6.663E-11
23810	43.65	4.365E+01	6.144E-11
23825	44.49	4.449E+01	7.460E-11
23835	45.14	4.514E+01	8.653E-11
23860	44.80	4.480E+01	8.011E-11
23873	45.05	4.505E+01	8.485E-11
23891	44.63	4.463E+01	7.703E-11
23893	45.67	4.567E+01	9.796E-11
23927	45.32	4.532E+01	9.024E-11
23954	45.88	4.588E+01	1.026E-10
23963	45.19	4.519E+01	8.767E-11
23983	46.89	4.689E+01	1.296E-10
24016	46.37	4.637E+01	1.151E-10
24047	45.83	4.583E+01	1.017E-10

Calculate device radiated power from EMC test data

24074	45.35	4.535E+01	9.082E-11
24101	44.75	4.475E+01	7.923E-11
24124	45.42	4.542E+01	9.246E-11
24143	44.86	4.486E+01	8.124E-11
24159	45.11	4.511E+01	8.597E-11
24183	45.04	4.504E+01	8.463E-11
24213	45.07	4.507E+01	8.533E-11
24226	44.54	4.454E+01	7.544E-11
24241	45.61	4.561E+01	9.651E-11
24276	45.24	4.524E+01	8.863E-11
24297	44.84	4.484E+01	8.088E-11
24312	45.76	4.576E+01	9.990E-11
24338	45.45	4.545E+01	9.298E-11
24365	44.54	4.454E+01	7.544E-11
24396	45.48	4.548E+01	9.359E-11
24406	45.80	4.580E+01	1.008E-10
24443	45.01	4.501E+01	8.412E-11
24477	44.62	4.462E+01	7.693E-11
24488	45.35	4.535E+01	9.097E-11
24509	44.53	4.453E+01	7.519E-11
24522	44.34	4.434E+01	7.207E-11
24554	45.28	4.528E+01	8.940E-11
24585	45.65	4.565E+01	9.733E-11
24622	45.49	4.549E+01	9.399E-11
24651	45.64	4.564E+01	9.720E-11
24661	46.30	4.630E+01	1.131E-10
24685	47.00	4.700E+01	1.329E-10
24715	46.98	4.698E+01	1.323E-10
24743	46.85	4.685E+01	1.283E-10
24758	47.66	4.766E+01	1.548E-10
24788	47.95	4.795E+01	1.655E-10
24821	47.98	4.798E+01	1.666E-10
24853	47.77	4.777E+01	1.589E-10
24882	47.65	4.765E+01	1.544E-10
24913	47.85	4.785E+01	1.618E-10
24949	48.06	4.806E+01	1.696E-10
24980	47.55	4.755E+01	1.508E-10