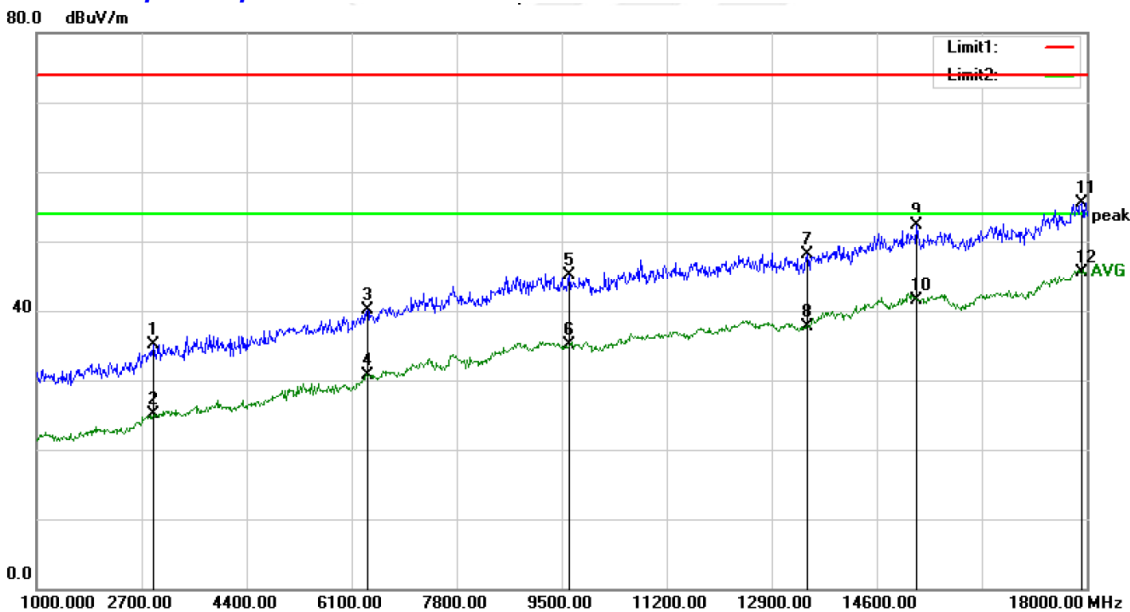


Prepared by: Dr Vitas Anderson (Two Fields Consulting)
Date: 14 June 2022

FCC ID: 2AGAK-X7 (Configuration 1, Figure 21, Class B device)
Frequency span: 1,000 MHz to 18,000 MHz
RBW: 1.0 MHz, distance: 3 m
Peak-to-average correction: N/A
No. of sample points: 17,000
Cumulative S level: $2.670\text{E-}07 \text{ W/m}^2$
Device radiated power: 0.0184 mW

EMC test spectral plot



Plot of extracted data from EMC test spectral plot

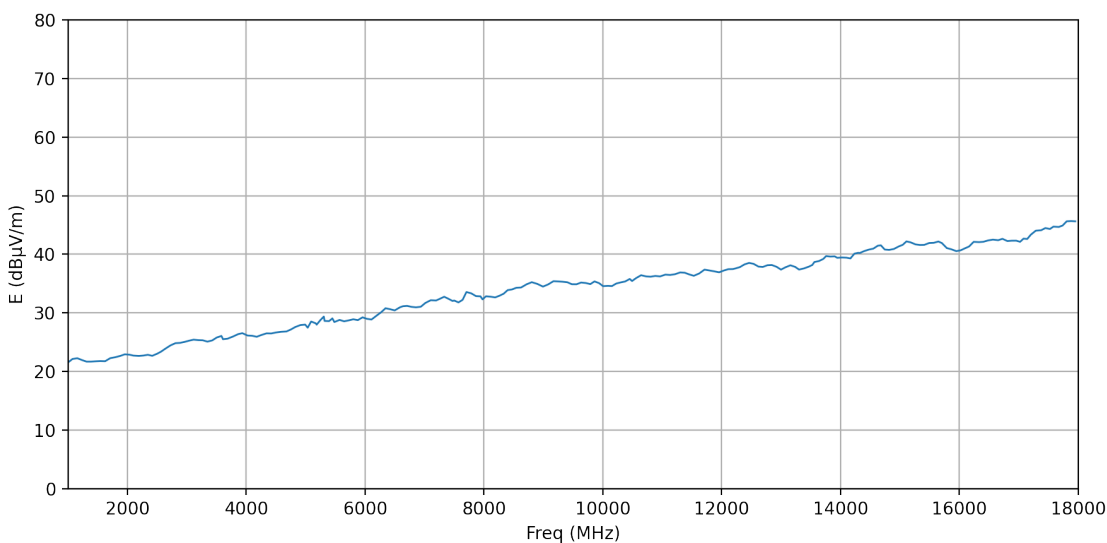


Table of extracted data from EMC test spectral plot

Freq (MHz)	E (dBμV/m)	E (V/m rms)	S (W/m²)
1007	21.60	2.160E+01	3.834E-13
1074	22.14	2.214E+01	4.339E-13
1156	22.27	2.227E+01	4.475E-13
1233	21.96	2.196E+01	4.170E-13
1312	21.69	2.169E+01	3.913E-13
1385	21.69	2.169E+01	3.916E-13
1465	21.74	2.174E+01	3.963E-13
1543	21.78	2.178E+01	3.999E-13
1624	21.76	2.176E+01	3.976E-13
1711	22.28	2.228E+01	4.485E-13
1801	22.45	2.245E+01	4.666E-13
1878	22.66	2.266E+01	4.898E-13
1955	22.93	2.293E+01	5.212E-13
2033	22.87	2.287E+01	5.142E-13
2099	22.72	2.272E+01	4.966E-13
2192	22.67	2.267E+01	4.900E-13
2270	22.73	2.273E+01	4.974E-13
2343	22.86	2.286E+01	5.119E-13
2417	22.68	2.268E+01	4.920E-13
2498	23.03	2.303E+01	5.327E-13
2562	23.37	2.337E+01	5.767E-13
2640	23.91	2.391E+01	6.525E-13
2724	24.46	2.446E+01	7.399E-13
2807	24.84	2.484E+01	8.082E-13
2885	24.89	2.489E+01	8.172E-13
2962	25.06	2.506E+01	8.503E-13
3033	25.25	2.525E+01	8.890E-13
3113	25.44	2.544E+01	9.275E-13
3195	25.36	2.536E+01	9.105E-13
3267	25.33	2.533E+01	9.053E-13
3346	25.10	2.510E+01	8.589E-13
3427	25.31	2.531E+01	9.005E-13
3500	25.79	2.579E+01	1.007E-12
3582	26.07	2.607E+01	1.074E-12
3608	25.51	2.551E+01	9.442E-13
3685	25.61	2.561E+01	9.642E-13
3775	25.97	2.597E+01	1.049E-12
3866	26.39	2.639E+01	1.155E-12
3934	26.54	2.654E+01	1.197E-12
4021	26.14	2.614E+01	1.091E-12
4098	26.10	2.610E+01	1.081E-12
4175	25.93	2.593E+01	1.039E-12
4253	26.23	2.623E+01	1.113E-12
4340	26.51	2.651E+01	1.188E-12
4421	26.50	2.650E+01	1.184E-12
4498	26.66	2.666E+01	1.229E-12

4588	26.78	2.678E+01	1.265E-12
4677	26.84	2.684E+01	1.281E-12
4752	27.18	2.718E+01	1.387E-12
4827	27.61	2.761E+01	1.530E-12
4912	27.93	2.793E+01	1.647E-12
4991	28.01	2.801E+01	1.677E-12
5034	27.48	2.748E+01	1.486E-12
5092	28.54	2.854E+01	1.894E-12
5169	28.22	2.822E+01	1.761E-12
5184	28.00	2.800E+01	1.674E-12
5246	28.77	2.877E+01	1.997E-12
5305	29.38	2.938E+01	2.300E-12
5317	28.63	2.863E+01	1.936E-12
5393	28.60	2.860E+01	1.921E-12
5449	29.07	2.907E+01	2.141E-12
5482	28.45	2.845E+01	1.855E-12
5570	28.81	2.881E+01	2.014E-12
5647	28.57	2.857E+01	1.906E-12
5728	28.74	2.874E+01	1.983E-12
5801	28.92	2.892E+01	2.069E-12
5878	28.77	2.877E+01	1.999E-12
5956	29.25	2.925E+01	2.230E-12
6027	29.00	2.900E+01	2.107E-12
6107	28.87	2.887E+01	2.047E-12
6198	29.58	2.958E+01	2.405E-12
6272	30.14	3.014E+01	2.739E-12
6343	30.80	3.080E+01	3.187E-12
6421	30.63	3.063E+01	3.070E-12
6498	30.43	3.043E+01	2.931E-12
6589	30.98	3.098E+01	3.320E-12
6636	31.14	3.114E+01	3.448E-12
6705	31.20	3.120E+01	3.497E-12
6781	31.04	3.104E+01	3.367E-12
6856	30.95	3.095E+01	3.305E-12
6937	31.06	3.106E+01	3.383E-12
7014	31.71	3.171E+01	3.931E-12
7105	32.17	3.217E+01	4.370E-12
7193	32.12	3.212E+01	4.322E-12
7249	32.37	3.237E+01	4.577E-12
7331	32.76	3.276E+01	5.010E-12
7395	32.45	3.245E+01	4.658E-12
7473	32.04	3.204E+01	4.241E-12
7498	32.12	3.212E+01	4.322E-12
7571	31.79	3.179E+01	4.009E-12
7640	32.23	3.223E+01	4.434E-12
7666	32.77	3.277E+01	5.021E-12
7705	33.56	3.356E+01	6.027E-12
7785	33.35	3.335E+01	5.732E-12
7866	32.87	3.287E+01	5.133E-12

Calculate device radiated power from EMC test data

7941	32.83	3.283E+01	5.088E-12
7976	32.31	3.231E+01	4.517E-12
8034	32.84	3.284E+01	5.099E-12
8111	32.77	3.277E+01	5.021E-12
8189	32.65	3.265E+01	4.879E-12
8262	32.94	3.294E+01	5.224E-12
8331	33.27	3.327E+01	5.638E-12
8398	33.89	3.389E+01	6.500E-12
8473	34.01	3.401E+01	6.674E-12
8544	34.29	3.429E+01	7.131E-12
8624	34.33	3.433E+01	7.197E-12
8718	34.89	3.489E+01	8.176E-12
8804	35.24	3.524E+01	8.871E-12
8895	34.97	3.497E+01	8.325E-12
8993	34.50	3.450E+01	7.469E-12
9079	34.86	3.486E+01	8.122E-12
9170	35.42	3.542E+01	9.230E-12
9247	35.38	3.538E+01	9.149E-12
9323	35.32	3.532E+01	9.037E-12
9403	35.23	3.523E+01	8.848E-12
9479	34.90	3.490E+01	8.194E-12
9557	34.89	3.489E+01	8.176E-12
9634	35.19	3.519E+01	8.754E-12
9712	35.11	3.511E+01	8.601E-12
9790	34.92	3.492E+01	8.237E-12
9860	35.38	3.538E+01	9.149E-12
9937	35.08	3.508E+01	8.548E-12
10004	34.57	3.457E+01	7.597E-12
10087	34.62	3.462E+01	7.689E-12
10154	34.58	3.458E+01	7.619E-12
10228	35.02	3.502E+01	8.432E-12
10305	35.21	3.521E+01	8.813E-12
10376	35.37	3.537E+01	9.133E-12
10454	35.80	3.580E+01	1.007E-11
10492	35.44	3.544E+01	9.292E-12
10557	35.92	3.592E+01	1.037E-11
10644	36.44	3.644E+01	1.167E-11
10731	36.23	3.623E+01	1.113E-11
10805	36.19	3.619E+01	1.102E-11
10885	36.31	3.631E+01	1.135E-11
10963	36.23	3.623E+01	1.113E-11
11054	36.54	3.654E+01	1.195E-11
11131	36.48	3.648E+01	1.179E-11
11212	36.60	3.660E+01	1.212E-11
11303	36.91	3.691E+01	1.302E-11
11378	36.86	3.686E+01	1.288E-11
11454	36.57	3.657E+01	1.205E-11
11531	36.34	3.634E+01	1.141E-11
11623	36.74	3.674E+01	1.252E-11

Calculate device radiated power from EMC test data

11712	37.39	3.739E+01	1.454E-11
11789	37.26	3.726E+01	1.410E-11
11870	37.11	3.711E+01	1.364E-11
11957	36.93	3.693E+01	1.308E-11
12036	37.23	3.723E+01	1.402E-11
12112	37.47	3.747E+01	1.480E-11
12189	37.49	3.749E+01	1.486E-11
12234	37.60	3.760E+01	1.526E-11
12305	37.81	3.781E+01	1.602E-11
12386	38.29	3.829E+01	1.789E-11
12462	38.53	3.853E+01	1.891E-11
12538	38.38	3.838E+01	1.825E-11
12619	37.91	3.791E+01	1.639E-11
12693	37.85	3.785E+01	1.616E-11
12770	38.14	3.814E+01	1.727E-11
12844	38.17	3.817E+01	1.742E-11
12924	37.88	3.788E+01	1.626E-11
12998	37.39	3.739E+01	1.455E-11
13073	37.78	3.778E+01	1.592E-11
13157	38.13	3.813E+01	1.723E-11
13236	37.86	3.786E+01	1.622E-11
13302	37.40	3.740E+01	1.457E-11
13389	37.61	3.761E+01	1.530E-11
13467	37.90	3.790E+01	1.634E-11
13525	38.17	3.817E+01	1.742E-11
13561	38.69	3.869E+01	1.963E-11
13638	38.85	3.885E+01	2.037E-11
13712	39.22	3.922E+01	2.218E-11
13757	39.70	3.970E+01	2.474E-11
13828	39.62	3.962E+01	2.431E-11
13903	39.65	3.965E+01	2.447E-11
13946	39.41	3.941E+01	2.313E-11
14026	39.46	3.946E+01	2.344E-11
14100	39.43	3.943E+01	2.325E-11
14167	39.30	3.930E+01	2.255E-11
14235	40.12	4.012E+01	2.725E-11
14299	40.26	4.026E+01	2.815E-11
14325	40.23	4.023E+01	2.794E-11
14391	40.52	4.052E+01	2.992E-11
14473	40.80	4.080E+01	3.189E-11
14552	40.97	4.097E+01	3.315E-11
14628	41.47	4.147E+01	3.722E-11
14680	41.54	4.154E+01	3.779E-11
14744	40.82	4.082E+01	3.203E-11
14819	40.76	4.076E+01	3.161E-11
14898	40.91	4.091E+01	3.272E-11
14978	41.34	4.134E+01	3.608E-11
15048	41.62	4.162E+01	3.855E-11
15110	42.21	4.221E+01	4.411E-11

Calculate device radiated power from EMC test data

15179	42.05	4.205E+01	4.254E-11
15261	41.70	4.170E+01	3.924E-11
15338	41.60	4.160E+01	3.830E-11
15409	41.61	4.161E+01	3.845E-11
15493	41.93	4.193E+01	4.137E-11
15570	41.97	4.197E+01	4.174E-11
15648	42.19	4.219E+01	4.391E-11
15706	41.93	4.193E+01	4.133E-11
15790	41.06	4.106E+01	3.388E-11
15868	40.85	4.085E+01	3.229E-11
15948	40.54	4.054E+01	3.006E-11
16022	40.68	4.068E+01	3.106E-11
16099	41.05	4.105E+01	3.377E-11
16164	41.34	4.134E+01	3.608E-11
16241	42.13	4.213E+01	4.333E-11
16332	42.08	4.208E+01	4.286E-11
16405	42.14	4.214E+01	4.343E-11
16483	42.37	4.237E+01	4.579E-11
16565	42.51	4.251E+01	4.727E-11
16654	42.41	4.241E+01	4.620E-11
16725	42.65	4.265E+01	4.879E-11
16809	42.27	4.227E+01	4.469E-11
16880	42.33	4.233E+01	4.531E-11
16958	42.33	4.233E+01	4.539E-11
17022	42.13	4.213E+01	4.331E-11
17080	42.68	4.268E+01	4.914E-11
17143	42.62	4.262E+01	4.849E-11
17203	43.35	4.335E+01	5.735E-11
17287	44.04	4.404E+01	6.722E-11
17377	44.11	4.411E+01	6.834E-11
17448	44.48	4.448E+01	7.448E-11
17525	44.33	4.433E+01	7.182E-11
17584	44.73	4.473E+01	7.879E-11
17674	44.67	4.467E+01	7.775E-11
17738	44.91	4.491E+01	8.225E-11
17807	45.64	4.564E+01	9.711E-11
17880	45.68	4.568E+01	9.802E-11
17951	45.64	4.564E+01	9.711E-11