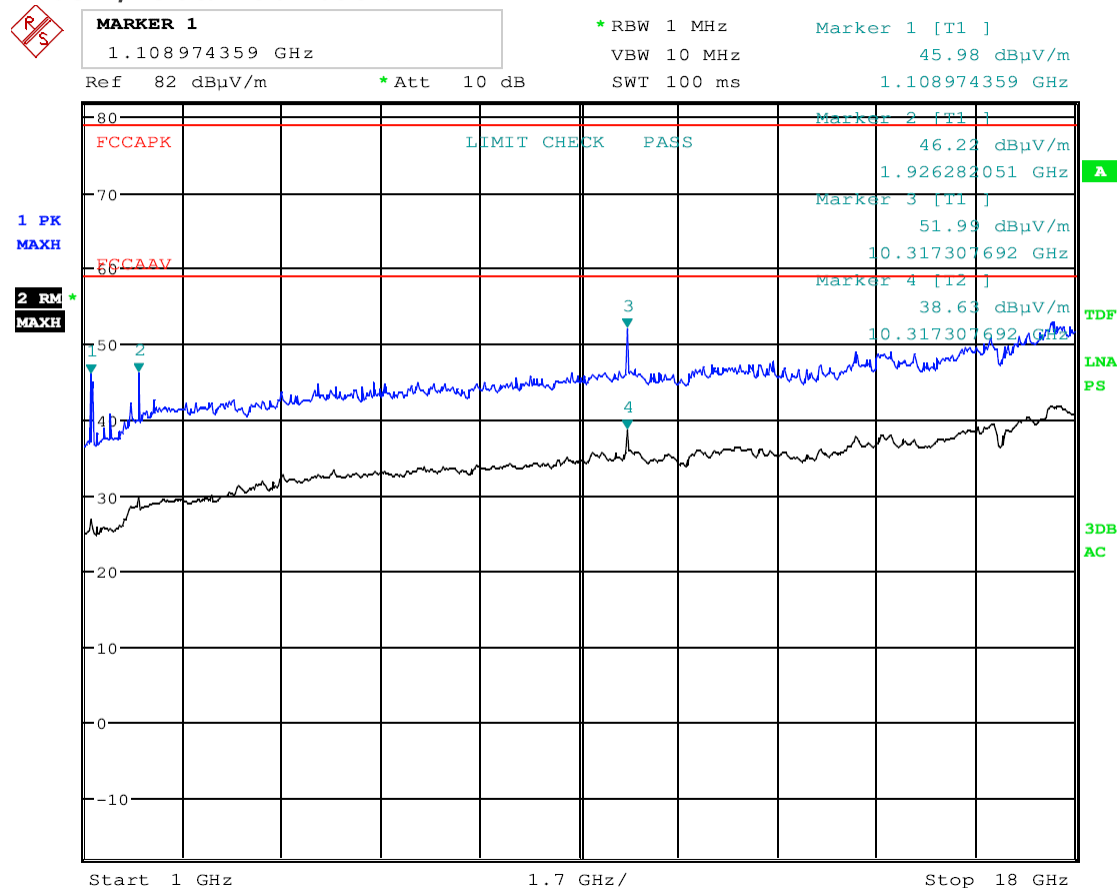


Prepared by: Dr Vitas Anderson (Two Fields Consulting)
Date: 14 June 2022

FCC ID: 2ATQM1000-0375 (Configuration 1, Figure 17, 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: 1.536×10^{-7} W/m²
Device radiated power: 0.0106 mW

EMC test spectral plot

1-18GHz, Vertical Polarization:



Plot of extracted data from EMC test spectral plot

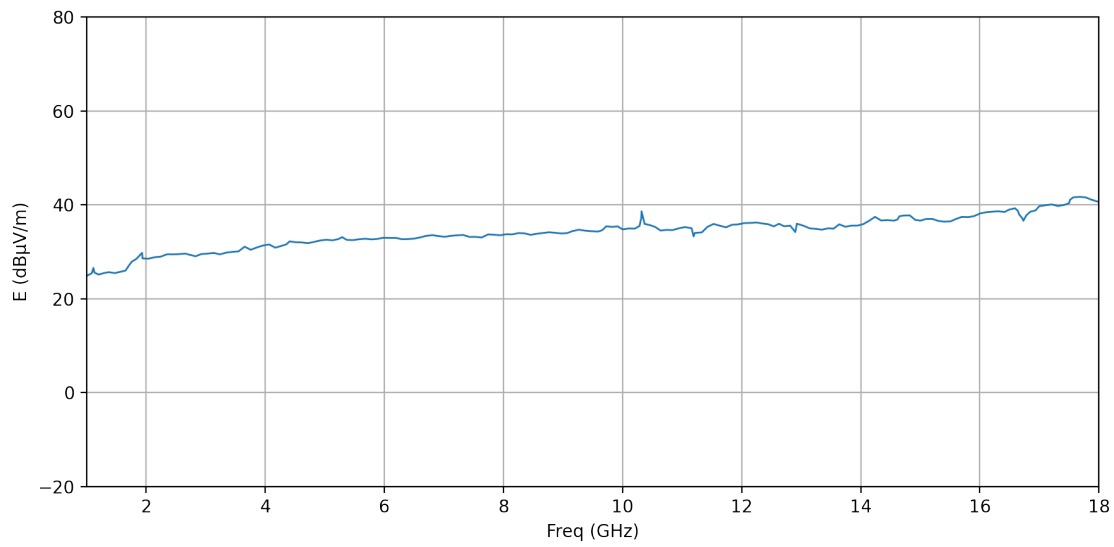


Table of extracted data from EMC test spectral plot

Freq (GHz)	E (dBμV/m)	E (V/m rms)	S (W/m²)
1.012	24.94	2.494E+01	8.272E-13
1.086	25.45	2.545E+01	9.313E-13
1.112	26.56	2.656E+01	1.202E-12
1.131	25.55	2.555E+01	9.524E-13
1.202	25.15	2.515E+01	8.680E-13
1.296	25.50	2.550E+01	9.406E-13
1.375	25.66	2.566E+01	9.756E-13
1.472	25.46	2.546E+01	9.325E-13
1.575	25.77	2.577E+01	1.001E-12
1.653	26.00	2.600E+01	1.056E-12
1.696	26.83	2.683E+01	1.279E-12
1.756	27.87	2.787E+01	1.625E-12
1.833	28.48	2.848E+01	1.868E-12
1.931	29.77	2.977E+01	2.514E-12
1.938	28.59	2.859E+01	1.917E-12
2.039	28.53	2.853E+01	1.892E-12
2.142	28.84	2.884E+01	2.032E-12
2.245	28.97	2.897E+01	2.094E-12
2.349	29.47	2.947E+01	2.350E-12
2.453	29.45	2.945E+01	2.339E-12
2.545	29.50	2.950E+01	2.364E-12
2.657	29.61	2.961E+01	2.424E-12
2.828	29.04	2.904E+01	2.126E-12
2.922	29.51	2.951E+01	2.368E-12
3.028	29.60	2.960E+01	2.422E-12
3.137	29.74	2.974E+01	2.500E-12
3.236	29.45	2.945E+01	2.336E-12
3.343	29.82	2.982E+01	2.545E-12
3.446	29.99	2.999E+01	2.645E-12
3.549	30.08	3.008E+01	2.700E-12
3.652	31.09	3.109E+01	3.408E-12
3.755	30.43	3.043E+01	2.927E-12
3.858	30.92	3.092E+01	3.281E-12
3.961	31.33	3.133E+01	3.604E-12
4.064	31.56	3.156E+01	3.801E-12
4.167	30.88	3.088E+01	3.248E-12
4.261	31.21	3.121E+01	3.507E-12
4.355	31.60	3.160E+01	3.835E-12
4.407	32.21	3.221E+01	4.415E-12
4.51	32.04	3.204E+01	4.239E-12
4.613	32.00	3.200E+01	4.207E-12
4.716	31.84	3.184E+01	4.050E-12
4.819	32.10	3.210E+01	4.304E-12
4.922	32.41	3.241E+01	4.621E-12
5.025	32.56	3.256E+01	4.788E-12
5.128	32.44	3.244E+01	4.656E-12

Calculate device radiated power from EMC test data

5.222	32.69	3.269E+01	4.926E-12
5.291	33.12	3.312E+01	5.435E-12
5.368	32.53	3.253E+01	4.752E-12
5.471	32.49	3.249E+01	4.704E-12
5.574	32.66	3.266E+01	4.898E-12
5.677	32.79	3.279E+01	5.037E-12
5.78	32.64	3.264E+01	4.874E-12
5.883	32.74	3.274E+01	4.986E-12
5.986	32.99	3.299E+01	5.286E-12
6.089	32.95	3.295E+01	5.229E-12
6.191	32.96	3.296E+01	5.246E-12
6.294	32.68	3.268E+01	4.911E-12
6.397	32.71	3.271E+01	4.948E-12
6.5	32.81	3.281E+01	5.063E-12
6.603	33.07	3.307E+01	5.380E-12
6.706	33.40	3.340E+01	5.806E-12
6.809	33.55	3.355E+01	6.000E-12
6.912	33.34	3.334E+01	5.718E-12
7.015	33.18	3.318E+01	5.519E-12
7.118	33.40	3.340E+01	5.806E-12
7.221	33.51	3.351E+01	5.955E-12
7.324	33.59	3.359E+01	6.062E-12
7.427	33.16	3.316E+01	5.491E-12
7.53	33.18	3.318E+01	5.519E-12
7.633	33.04	3.304E+01	5.340E-12
7.742	33.70	3.370E+01	6.224E-12
7.839	33.63	3.363E+01	6.123E-12
7.942	33.52	3.352E+01	5.970E-12
8.045	33.73	3.373E+01	6.265E-12
8.148	33.70	3.370E+01	6.217E-12
8.251	33.99	3.399E+01	6.641E-12
8.354	33.93	3.393E+01	6.557E-12
8.457	33.60	3.360E+01	6.077E-12
8.56	33.84	3.384E+01	6.426E-12
8.663	34.01	3.401E+01	6.675E-12
8.765	34.16	3.416E+01	6.916E-12
8.868	34.03	3.403E+01	6.709E-12
8.971	33.91	3.391E+01	6.524E-12
9.066	33.97	3.397E+01	6.618E-12
9.16	34.40	3.440E+01	7.313E-12
9.263	34.70	3.470E+01	7.831E-12
9.366	34.51	3.451E+01	7.501E-12
9.469	34.38	3.438E+01	7.276E-12
9.591	34.31	3.431E+01	7.163E-12
9.658	34.59	3.459E+01	7.635E-12
9.726	35.43	3.543E+01	9.259E-12
9.829	35.30	3.530E+01	8.981E-12
9.915	35.42	3.542E+01	9.235E-12
10.001	34.77	3.477E+01	7.952E-12

Calculate device radiated power from EMC test data

10.105	34.97	3.497E+01	8.329E-12
10.207	34.93	3.493E+01	8.260E-12
10.284	35.49	3.549E+01	9.401E-12
10.314	37.22	3.722E+01	1.398E-11
10.318	38.63	3.863E+01	1.933E-11
10.37	35.94	3.594E+01	1.041E-11
10.464	35.66	3.566E+01	9.765E-12
10.55	35.27	3.527E+01	8.924E-12
10.636	34.53	3.453E+01	7.520E-12
10.739	34.66	3.466E+01	7.752E-12
10.842	34.62	3.462E+01	7.694E-12
10.945	35.00	3.500E+01	8.387E-12
11.048	35.25	3.525E+01	8.890E-12
11.159	35.02	3.502E+01	8.429E-12
11.194	33.27	3.327E+01	5.632E-12
11.213	34.01	3.401E+01	6.673E-12
11.331	34.14	3.414E+01	6.877E-12
11.425	35.31	3.531E+01	9.004E-12
11.528	35.92	3.592E+01	1.038E-11
11.631	35.57	3.557E+01	9.569E-12
11.734	35.21	3.521E+01	8.801E-12
11.837	35.75	3.575E+01	9.965E-12
11.94	35.84	3.584E+01	1.017E-11
12.043	36.11	3.611E+01	1.084E-11
12.146	36.15	3.615E+01	1.093E-11
12.249	36.23	3.623E+01	1.114E-11
12.352	36.02	3.602E+01	1.062E-11
12.446	35.86	3.586E+01	1.023E-11
12.541	35.42	3.542E+01	9.235E-12
12.626	35.96	3.596E+01	1.047E-11
12.712	35.44	3.544E+01	9.282E-12
12.815	35.56	3.556E+01	9.545E-12
12.901	34.20	3.420E+01	6.969E-12
12.918	35.35	3.535E+01	9.096E-12
12.927	35.98	3.598E+01	1.051E-11
13.038	35.55	3.555E+01	9.521E-12
13.141	34.99	3.499E+01	8.365E-12
13.244	34.89	3.489E+01	8.177E-12
13.347	34.70	3.470E+01	7.831E-12
13.45	35.00	3.500E+01	8.387E-12
13.545	34.94	3.494E+01	8.264E-12
13.639	35.85	3.585E+01	1.020E-11
13.742	35.33	3.533E+01	9.050E-12
13.845	35.57	3.557E+01	9.569E-12
13.948	35.58	3.558E+01	9.593E-12
14.042	35.89	3.589E+01	1.029E-11
14.137	36.57	3.657E+01	1.205E-11
14.24	37.43	3.743E+01	1.469E-11
14.343	36.66	3.666E+01	1.230E-11

Calculate device radiated power from EMC test data

14.445	36.74	3.674E+01	1.252E-11
14.557	36.63	3.663E+01	1.221E-11
14.617	36.87	3.687E+01	1.291E-11
14.649	37.56	3.756E+01	1.514E-11
14.72	37.72	3.772E+01	1.569E-11
14.823	37.75	3.775E+01	1.581E-11
14.917	36.77	3.677E+01	1.262E-11
15.003	36.64	3.664E+01	1.224E-11
15.098	36.98	3.698E+01	1.324E-11
15.201	37.00	3.700E+01	1.331E-11
15.303	36.57	3.657E+01	1.205E-11
15.406	36.42	3.642E+01	1.163E-11
15.509	36.49	3.649E+01	1.181E-11
15.604	37.01	3.701E+01	1.333E-11
15.698	37.43	3.743E+01	1.469E-11
15.801	37.38	3.738E+01	1.451E-11
15.904	37.60	3.760E+01	1.526E-11
16.007	38.18	3.818E+01	1.746E-11
16.11	38.43	3.843E+01	1.846E-11
16.213	38.55	3.855E+01	1.898E-11
16.312	38.63	3.863E+01	1.936E-11
16.414	38.48	3.848E+01	1.868E-11
16.493	38.98	3.898E+01	2.097E-11
16.59	39.27	3.927E+01	2.244E-11
16.638	38.73	3.873E+01	1.982E-11
16.659	38.00	3.800E+01	1.672E-11
16.719	37.01	3.701E+01	1.333E-11
16.731	36.60	3.660E+01	1.211E-11
16.779	37.73	3.773E+01	1.573E-11
16.848	38.54	3.854E+01	1.896E-11
16.934	38.79	3.879E+01	2.007E-11
16.998	39.70	3.970E+01	2.477E-11
17.105	39.91	3.991E+01	2.599E-11
17.208	40.09	4.009E+01	2.707E-11
17.311	39.74	3.974E+01	2.501E-11
17.414	39.97	3.997E+01	2.633E-11
17.498	40.34	4.034E+01	2.868E-11
17.515	41.08	4.108E+01	3.398E-11
17.569	41.60	4.160E+01	3.832E-11
17.672	41.70	4.170E+01	3.920E-11
17.775	41.60	4.160E+01	3.832E-11
17.877	41.08	4.108E+01	3.401E-11
17.979	40.69	4.069E+01	3.110E-11