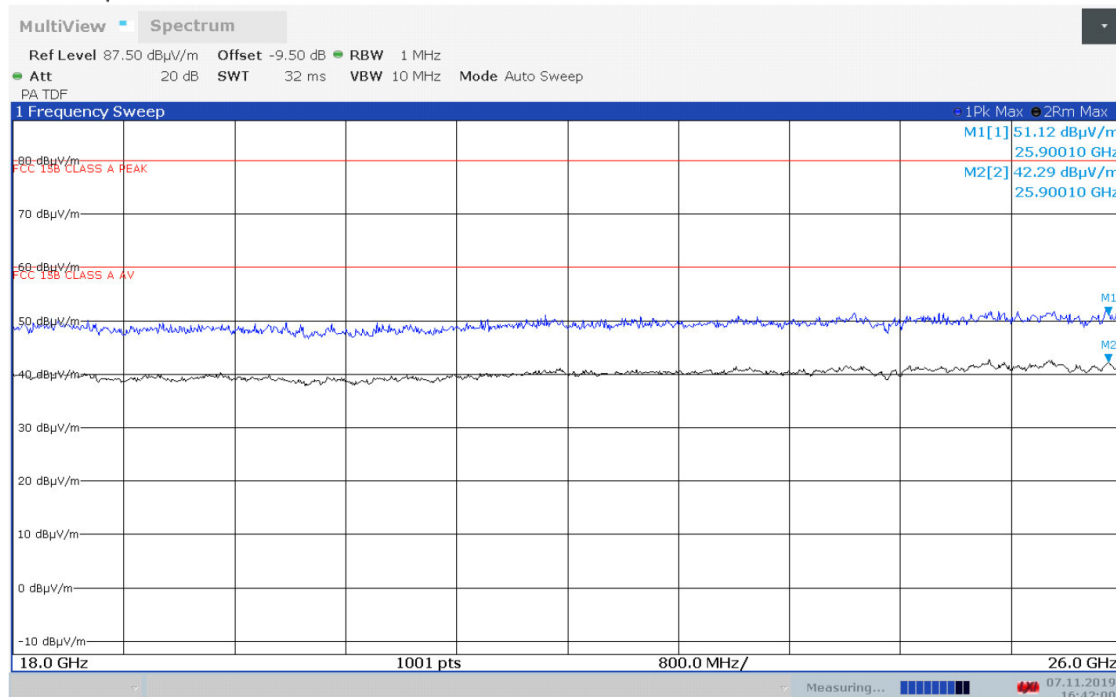


Prepared by: Dr Vitas Anderson (Two Fields Consulting)
Date: 14 June 2022

FCC ID: 2ATQM1000-0375 (Configuration 1, Figure 18a, Class A device)
Frequency span: 18 GHz to 26 GHz
RBW: 0.001 GHz, distance: 3 m
Peak-to-average correction: N/A
No. of sample points: 8,000
Cumulative S level: $2.173\text{E-}07 \text{ W/m}^2$
Device radiated power: 0.0150 mW

EMC test spectral plot

18-26GHz, Vertical Polarization:



Plot of extracted data from EMC test spectral plot

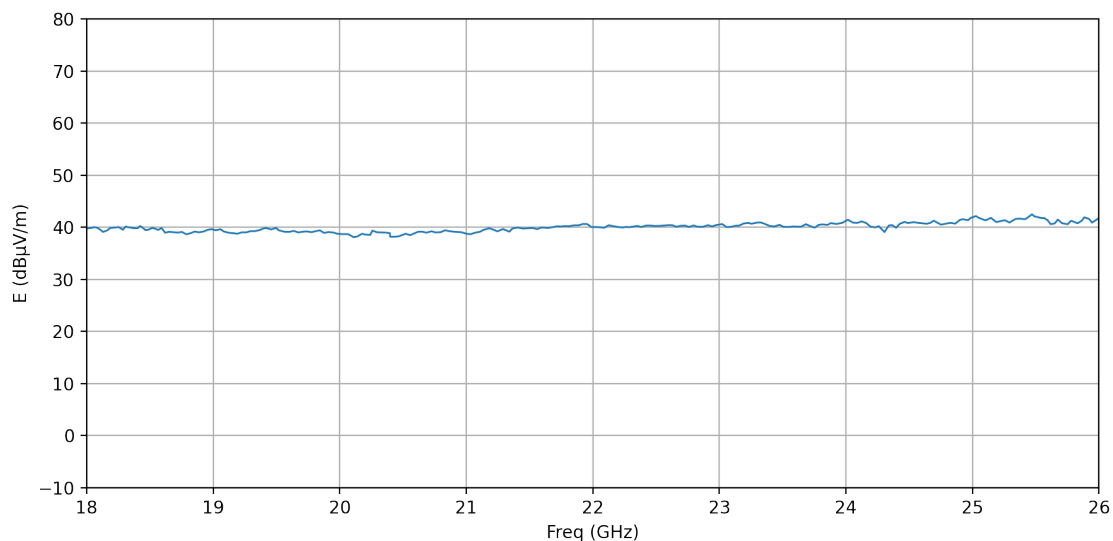


Table of extracted data from EMC test spectral plot

Freq (GHz)	E (dBμV/m)	E (V/m rms)	S (W/m²)
18.004	39.78	3.978E+01	2.521E-11
18.04	39.88	3.988E+01	2.581E-11
18.06	40.04	4.004E+01	2.675E-11
18.085	39.88	3.988E+01	2.581E-11
18.111	39.47	3.947E+01	2.347E-11
18.129	39.11	3.911E+01	2.159E-11
18.163	39.42	3.942E+01	2.319E-11
18.187	39.88	3.988E+01	2.581E-11
18.217	39.93	3.993E+01	2.612E-11
18.253	40.04	4.004E+01	2.675E-11
18.287	39.52	3.952E+01	2.375E-11
18.307	40.14	4.014E+01	2.740E-11
18.335	39.99	3.999E+01	2.644E-11
18.372	39.83	3.983E+01	2.551E-11
18.402	39.83	3.983E+01	2.551E-11
18.422	40.24	4.024E+01	2.806E-11
18.442	39.93	3.993E+01	2.612E-11
18.464	39.47	3.947E+01	2.347E-11
18.486	39.52	3.952E+01	2.375E-11
18.521	39.90	3.990E+01	2.593E-11
18.566	39.50	3.950E+01	2.363E-11
18.591	39.86	3.986E+01	2.571E-11
18.619	38.97	3.897E+01	2.090E-11
18.651	39.13	3.913E+01	2.171E-11
18.683	39.06	3.906E+01	2.135E-11
18.718	38.98	3.898E+01	2.099E-11
18.753	39.10	3.910E+01	2.157E-11
18.787	38.66	3.866E+01	1.948E-11
18.821	38.87	3.887E+01	2.047E-11
18.854	39.18	3.918E+01	2.196E-11
18.888	39.03	3.903E+01	2.123E-11
18.923	39.18	3.918E+01	2.196E-11
18.957	39.51	3.951E+01	2.371E-11
18.987	39.64	3.964E+01	2.444E-11
19.022	39.42	3.942E+01	2.323E-11
19.057	39.63	3.963E+01	2.437E-11
19.083	39.20	3.920E+01	2.208E-11
19.123	38.94	3.894E+01	2.078E-11
19.16	38.87	3.887E+01	2.043E-11
19.19	38.76	3.876E+01	1.995E-11
19.227	39.03	3.903E+01	2.123E-11
19.262	39.02	3.902E+01	2.117E-11
19.292	39.25	3.925E+01	2.231E-11
19.328	39.26	3.926E+01	2.240E-11
19.362	39.42	3.942E+01	2.323E-11
19.395	39.75	3.975E+01	2.502E-11

19.416	39.86	3.986E+01	2.571E-11
19.458	39.59	3.959E+01	2.413E-11
19.498	39.88	3.988E+01	2.578E-11
19.518	39.42	3.942E+01	2.323E-11
19.566	39.13	3.913E+01	2.171E-11
19.605	39.13	3.913E+01	2.171E-11
19.635	39.31	3.931E+01	2.265E-11
19.673	39.01	3.901E+01	2.111E-11
19.707	39.15	3.915E+01	2.179E-11
19.741	39.20	3.920E+01	2.208E-11
19.778	39.06	3.906E+01	2.135E-11
19.803	39.22	3.922E+01	2.218E-11
19.842	39.41	3.941E+01	2.316E-11
19.876	38.92	3.892E+01	2.071E-11
19.91	39.08	3.908E+01	2.147E-11
19.95	39.00	3.900E+01	2.105E-11
19.981	38.76	3.876E+01	1.995E-11
20.02	38.69	3.869E+01	1.962E-11
20.066	38.69	3.869E+01	1.962E-11
20.11	38.10	3.810E+01	1.714E-11
20.141	38.25	3.825E+01	1.773E-11
20.176	38.76	3.876E+01	1.995E-11
20.205	38.59	3.859E+01	1.918E-11
20.241	38.54	3.854E+01	1.897E-11
20.258	39.36	3.936E+01	2.287E-11
20.294	39.04	3.904E+01	2.129E-11
20.331	39.01	3.901E+01	2.111E-11
20.36	38.98	3.898E+01	2.099E-11
20.396	38.87	3.887E+01	2.047E-11
20.399	38.18	3.818E+01	1.743E-11
20.447	38.20	3.820E+01	1.753E-11
20.47	38.29	3.829E+01	1.788E-11
20.52	38.76	3.876E+01	1.995E-11
20.556	38.49	3.849E+01	1.873E-11
20.618	39.13	3.913E+01	2.171E-11
20.651	39.16	3.916E+01	2.186E-11
20.684	38.97	3.897E+01	2.091E-11
20.725	39.23	3.923E+01	2.223E-11
20.756	39.01	3.901E+01	2.113E-11
20.797	39.06	3.906E+01	2.135E-11
20.832	39.42	3.942E+01	2.323E-11
20.865	39.26	3.926E+01	2.236E-11
20.904	39.14	3.914E+01	2.177E-11
20.961	39.06	3.906E+01	2.135E-11
20.998	38.79	3.879E+01	2.007E-11
21.032	38.67	3.867E+01	1.951E-11
21.074	38.98	3.898E+01	2.099E-11
21.108	39.13	3.913E+01	2.171E-11
21.135	39.50	3.950E+01	2.363E-11

21.182	39.82	3.982E+01	2.542E-11
21.215	39.53	3.953E+01	2.383E-11
21.246	39.22	3.922E+01	2.216E-11
21.29	39.66	3.966E+01	2.454E-11
21.341	39.16	3.916E+01	2.186E-11
21.365	39.77	3.977E+01	2.514E-11
21.408	39.95	3.995E+01	2.624E-11
21.444	39.76	3.976E+01	2.511E-11
21.487	39.81	3.981E+01	2.536E-11
21.525	39.86	3.986E+01	2.571E-11
21.56	39.64	3.964E+01	2.444E-11
21.596	39.97	3.997E+01	2.632E-11
21.644	39.86	3.986E+01	2.571E-11
21.678	40.00	4.000E+01	2.650E-11
21.713	40.19	4.019E+01	2.769E-11
21.749	40.16	4.016E+01	2.751E-11
21.78	40.23	4.023E+01	2.798E-11
21.808	40.19	4.019E+01	2.774E-11
21.854	40.38	4.038E+01	2.894E-11
21.887	40.38	4.038E+01	2.894E-11
21.921	40.63	4.063E+01	3.070E-11
21.957	40.61	4.061E+01	3.054E-11
21.989	40.04	4.004E+01	2.677E-11
22.023	40.05	4.005E+01	2.686E-11
22.053	40.01	4.001E+01	2.659E-11
22.091	39.91	3.991E+01	2.597E-11
22.125	40.39	4.039E+01	2.905E-11
22.158	40.24	4.024E+01	2.804E-11
22.191	40.08	4.008E+01	2.705E-11
22.232	39.96	3.996E+01	2.629E-11
22.266	40.08	4.008E+01	2.705E-11
22.286	40.01	4.001E+01	2.659E-11
22.351	40.26	4.026E+01	2.813E-11
22.382	40.06	4.006E+01	2.686E-11
22.421	40.33	4.033E+01	2.865E-11
22.458	40.33	4.033E+01	2.861E-11
22.492	40.25	4.025E+01	2.807E-11
22.526	40.27	4.027E+01	2.821E-11
22.56	40.33	4.033E+01	2.865E-11
22.594	40.40	4.040E+01	2.910E-11
22.627	40.40	4.040E+01	2.910E-11
22.661	40.11	4.011E+01	2.720E-11
22.695	40.29	4.029E+01	2.837E-11
22.729	40.33	4.033E+01	2.861E-11
22.76	40.07	4.007E+01	2.695E-11
22.797	40.36	4.036E+01	2.880E-11
22.825	40.12	4.012E+01	2.728E-11
22.87	40.10	4.010E+01	2.712E-11
22.91	40.40	4.040E+01	2.910E-11

Calculate device radiated power from EMC test data

22.944	40.17	4.017E+01	2.758E-11
22.975	40.42	4.042E+01	2.923E-11
23.023	40.62	4.062E+01	3.061E-11
23.057	40.04	4.004E+01	2.674E-11
23.091	40.08	4.008E+01	2.705E-11
23.125	40.28	4.028E+01	2.829E-11
23.156	40.32	4.032E+01	2.855E-11
23.192	40.72	4.072E+01	3.131E-11
23.229	40.84	4.084E+01	3.221E-11
23.254	40.67	4.067E+01	3.096E-11
23.297	40.91	4.091E+01	3.268E-11
23.327	40.92	4.092E+01	3.279E-11
23.362	40.63	4.063E+01	3.070E-11
23.397	40.27	4.027E+01	2.821E-11
23.435	40.16	4.016E+01	2.751E-11
23.475	40.48	4.048E+01	2.960E-11
23.506	40.11	4.011E+01	2.720E-11
23.548	40.06	4.006E+01	2.689E-11
23.583	40.16	4.016E+01	2.751E-11
23.616	40.12	4.012E+01	2.728E-11
23.647	40.13	4.013E+01	2.732E-11
23.685	40.60	4.060E+01	3.044E-11
23.718	40.22	4.022E+01	2.790E-11
23.753	39.94	3.994E+01	2.615E-11
23.784	40.45	4.045E+01	2.943E-11
23.814	40.56	4.056E+01	3.019E-11
23.855	40.47	4.047E+01	2.953E-11
23.881	40.79	4.079E+01	3.184E-11
23.927	40.63	4.063E+01	3.070E-11
23.972	40.85	4.085E+01	3.230E-11
24.016	41.44	4.144E+01	3.698E-11
24.057	40.89	4.089E+01	3.257E-11
24.091	40.84	4.084E+01	3.221E-11
24.124	41.13	4.113E+01	3.441E-11
24.161	40.82	4.082E+01	3.202E-11
24.194	40.14	4.014E+01	2.739E-11
24.232	39.99	3.999E+01	2.644E-11
24.26	40.21	4.021E+01	2.786E-11
24.305	39.09	3.909E+01	2.153E-11
24.34	40.35	4.035E+01	2.874E-11
24.367	40.41	4.041E+01	2.918E-11
24.397	39.91	3.991E+01	2.597E-11
24.424	40.63	4.063E+01	3.070E-11
24.465	41.04	4.104E+01	3.369E-11
24.491	40.82	4.082E+01	3.202E-11
24.537	40.99	4.099E+01	3.331E-11
24.559	40.89	4.089E+01	3.257E-11
24.596	40.79	4.079E+01	3.184E-11
24.638	40.67	4.067E+01	3.096E-11

Calculate device radiated power from EMC test data

24.664	40.82	4.082E+01	3.202E-11
24.695	41.26	4.126E+01	3.544E-11
24.751	40.51	4.051E+01	2.985E-11
24.771	40.60	4.060E+01	3.044E-11
24.826	40.85	4.085E+01	3.230E-11
24.864	40.70	4.070E+01	3.114E-11
24.9	41.41	4.141E+01	3.666E-11
24.924	41.55	4.155E+01	3.792E-11
24.965	41.37	4.137E+01	3.635E-11
24.989	41.83	4.183E+01	4.040E-11
25.028	42.15	4.215E+01	4.353E-11
25.054	41.77	4.177E+01	3.989E-11
25.105	41.33	4.133E+01	3.605E-11
25.147	41.80	4.180E+01	4.019E-11
25.189	41.00	4.100E+01	3.341E-11
25.209	41.11	4.111E+01	3.426E-11
25.257	41.36	4.136E+01	3.625E-11
25.293	40.91	4.091E+01	3.268E-11
25.34	41.60	4.160E+01	3.831E-11
25.373	41.66	4.166E+01	3.889E-11
25.418	41.55	4.155E+01	3.792E-11
25.445	42.02	4.202E+01	4.220E-11
25.47	42.49	4.249E+01	4.702E-11
25.491	42.09	4.209E+01	4.292E-11
25.548	41.77	4.177E+01	3.989E-11
25.568	41.77	4.177E+01	3.989E-11
25.594	41.37	4.137E+01	3.635E-11
25.619	40.60	4.060E+01	3.044E-11
25.65	40.73	4.073E+01	3.136E-11
25.675	41.48	4.148E+01	3.728E-11
25.709	40.77	4.077E+01	3.170E-11
25.753	40.58	4.058E+01	3.034E-11
25.781	41.26	4.126E+01	3.544E-11
25.831	40.77	4.077E+01	3.167E-11
25.864	41.26	4.126E+01	3.544E-11
25.884	41.92	4.192E+01	4.126E-11
25.922	41.61	4.161E+01	3.840E-11
25.946	40.89	4.089E+01	3.257E-11
25.993	41.64	4.164E+01	3.873E-11