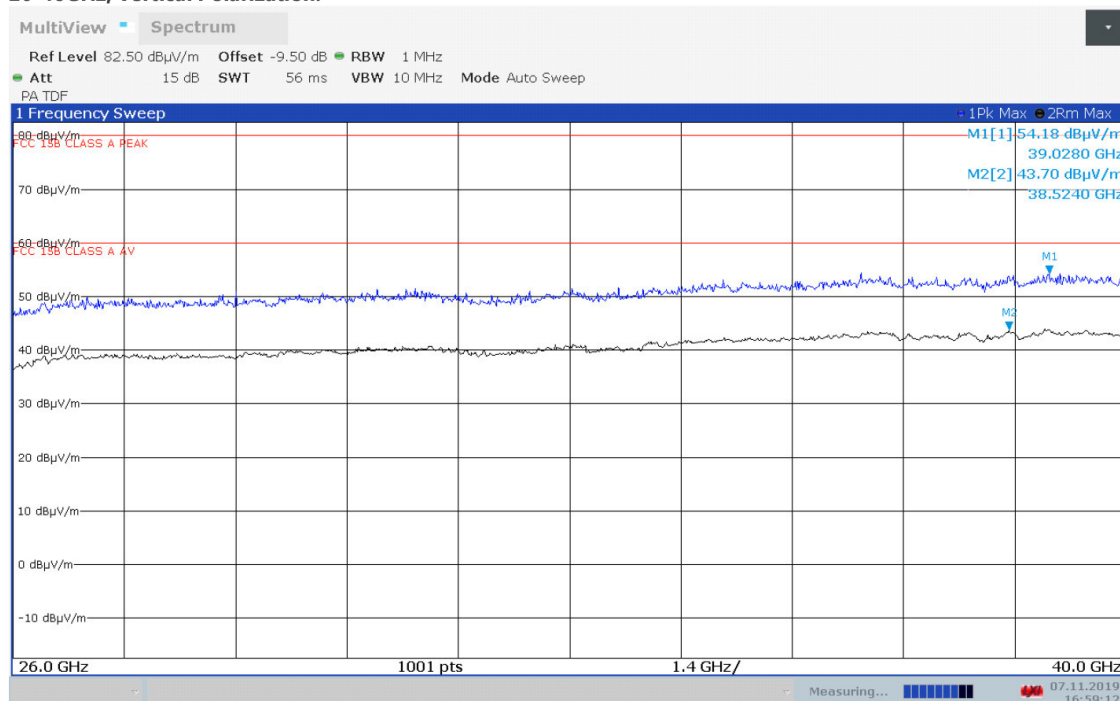


Prepared by: Dr Vitas Anderson (Two Fields Consulting)
Date: 16 June 2022

FCC ID: 2ATQM1000-0375 (Configuration 1, Figure/Page 18b, Class A device)
Frequency span: 26 GHz to 40 GHz
RBW: 0.001 GHz, distance: 3 m
Peak-to-average correction: N/A
No. of sample points: 14,000
Cumulative S level: $4.657\text{E-}07 \text{ W/m}^2$
Device radiated power: 0.0321 mW

EMC test spectral plot

26-40GHz, Vertical Polarization:



Plot of extracted data from EMC test spectral plot

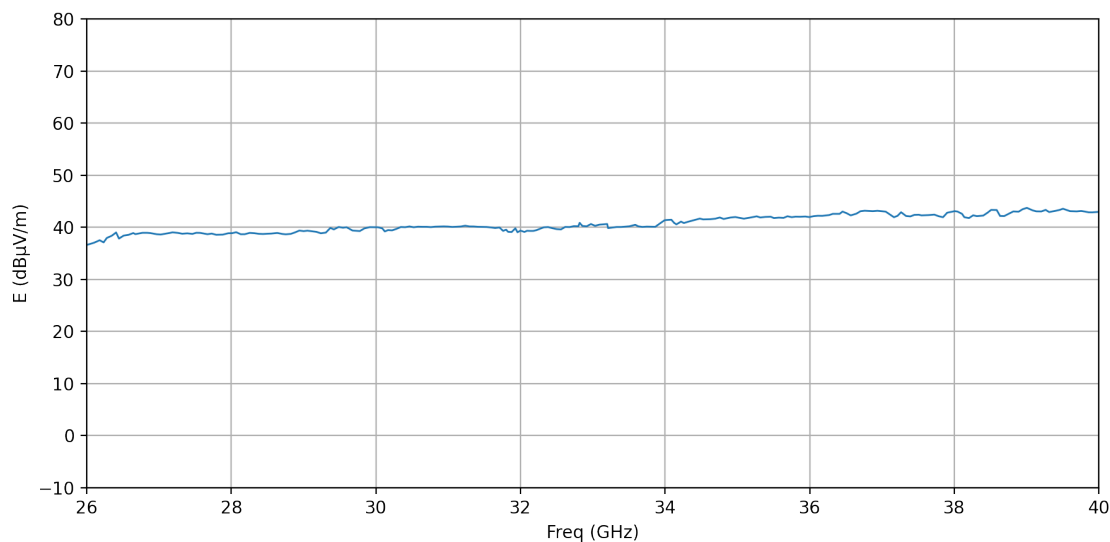


Table of extracted data from EMC test spectral plot

| Freq (GHz) | E (dBμV/m) | E (V/m rms) | S (W/m²) |
|------------|------------|-------------|-----------|
| 26.011 | 36.66 | 3.666E+01 | 1.228E-11 |
| 26.1 | 37.03 | 3.703E+01 | 1.338E-11 |
| 26.179 | 37.51 | 3.751E+01 | 1.496E-11 |
| 26.234 | 37.10 | 3.710E+01 | 1.361E-11 |
| 26.278 | 37.95 | 3.795E+01 | 1.656E-11 |
| 26.347 | 38.38 | 3.838E+01 | 1.828E-11 |
| 26.407 | 39.01 | 3.901E+01 | 2.110E-11 |
| 26.446 | 37.83 | 3.783E+01 | 1.610E-11 |
| 26.51 | 38.40 | 3.840E+01 | 1.834E-11 |
| 26.58 | 38.56 | 3.856E+01 | 1.903E-11 |
| 26.644 | 38.89 | 3.889E+01 | 2.054E-11 |
| 26.674 | 38.69 | 3.869E+01 | 1.961E-11 |
| 26.772 | 38.94 | 3.894E+01 | 2.077E-11 |
| 26.836 | 38.94 | 3.894E+01 | 2.077E-11 |
| 26.881 | 38.88 | 3.888E+01 | 2.051E-11 |
| 26.97 | 38.66 | 3.866E+01 | 1.950E-11 |
| 27.025 | 38.61 | 3.861E+01 | 1.928E-11 |
| 27.084 | 38.75 | 3.875E+01 | 1.988E-11 |
| 27.148 | 38.91 | 3.891E+01 | 2.063E-11 |
| 27.188 | 39.03 | 3.903E+01 | 2.122E-11 |
| 27.262 | 38.92 | 3.892E+01 | 2.068E-11 |
| 27.321 | 38.76 | 3.876E+01 | 1.994E-11 |
| 27.391 | 38.83 | 3.883E+01 | 2.028E-11 |
| 27.462 | 38.73 | 3.873E+01 | 1.981E-11 |
| 27.516 | 38.94 | 3.894E+01 | 2.080E-11 |
| 27.568 | 38.93 | 3.893E+01 | 2.071E-11 |
| 27.67 | 38.67 | 3.867E+01 | 1.954E-11 |
| 27.729 | 38.79 | 3.879E+01 | 2.008E-11 |
| 27.79 | 38.56 | 3.856E+01 | 1.906E-11 |
| 27.882 | 38.60 | 3.860E+01 | 1.920E-11 |
| 27.957 | 38.85 | 3.885E+01 | 2.035E-11 |
| 28.013 | 38.87 | 3.887E+01 | 2.045E-11 |
| 28.067 | 39.05 | 3.905E+01 | 2.134E-11 |
| 28.131 | 38.66 | 3.866E+01 | 1.950E-11 |
| 28.186 | 38.67 | 3.867E+01 | 1.954E-11 |
| 28.255 | 38.92 | 3.892E+01 | 2.070E-11 |
| 28.318 | 38.86 | 3.886E+01 | 2.042E-11 |
| 28.379 | 38.75 | 3.875E+01 | 1.988E-11 |
| 28.438 | 38.71 | 3.871E+01 | 1.972E-11 |
| 28.497 | 38.76 | 3.876E+01 | 1.994E-11 |
| 28.552 | 38.79 | 3.879E+01 | 2.008E-11 |
| 28.636 | 38.91 | 3.891E+01 | 2.063E-11 |
| 28.71 | 38.71 | 3.871E+01 | 1.972E-11 |
| 28.754 | 38.65 | 3.865E+01 | 1.944E-11 |
| 28.823 | 38.74 | 3.874E+01 | 1.983E-11 |
| 28.878 | 39.00 | 3.900E+01 | 2.107E-11 |

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|--------|-------|-----------|-----------|
| 28.942 | 39.37 | 3.937E+01 | 2.296E-11 |
| 29.0 | 39.26 | 3.926E+01 | 2.237E-11 |
| 29.053 | 39.35 | 3.935E+01 | 2.283E-11 |
| 29.12 | 39.23 | 3.923E+01 | 2.219E-11 |
| 29.176 | 39.13 | 3.913E+01 | 2.170E-11 |
| 29.238 | 38.85 | 3.885E+01 | 2.034E-11 |
| 29.308 | 38.98 | 3.898E+01 | 2.098E-11 |
| 29.37 | 39.88 | 3.988E+01 | 2.579E-11 |
| 29.418 | 39.59 | 3.959E+01 | 2.413E-11 |
| 29.486 | 40.06 | 4.006E+01 | 2.688E-11 |
| 29.545 | 39.92 | 3.992E+01 | 2.601E-11 |
| 29.594 | 40.01 | 4.001E+01 | 2.658E-11 |
| 29.676 | 39.38 | 3.938E+01 | 2.298E-11 |
| 29.728 | 39.32 | 3.932E+01 | 2.268E-11 |
| 29.777 | 39.27 | 3.927E+01 | 2.245E-11 |
| 29.841 | 39.79 | 3.979E+01 | 2.527E-11 |
| 29.915 | 40.03 | 4.003E+01 | 2.669E-11 |
| 29.97 | 40.02 | 4.002E+01 | 2.666E-11 |
| 30.029 | 40.01 | 4.001E+01 | 2.656E-11 |
| 30.088 | 39.79 | 3.979E+01 | 2.529E-11 |
| 30.123 | 39.20 | 3.920E+01 | 2.207E-11 |
| 30.168 | 39.46 | 3.946E+01 | 2.341E-11 |
| 30.224 | 39.41 | 3.941E+01 | 2.314E-11 |
| 30.286 | 39.70 | 3.970E+01 | 2.477E-11 |
| 30.345 | 40.06 | 4.006E+01 | 2.688E-11 |
| 30.405 | 40.02 | 4.002E+01 | 2.666E-11 |
| 30.464 | 40.16 | 4.016E+01 | 2.755E-11 |
| 30.523 | 40.01 | 4.001E+01 | 2.658E-11 |
| 30.583 | 40.12 | 4.012E+01 | 2.727E-11 |
| 30.642 | 40.10 | 4.010E+01 | 2.711E-11 |
| 30.701 | 40.10 | 4.010E+01 | 2.711E-11 |
| 30.76 | 40.03 | 4.003E+01 | 2.673E-11 |
| 30.82 | 40.12 | 4.012E+01 | 2.729E-11 |
| 30.879 | 40.15 | 4.015E+01 | 2.746E-11 |
| 30.938 | 40.17 | 4.017E+01 | 2.757E-11 |
| 30.998 | 40.14 | 4.014E+01 | 2.742E-11 |
| 31.057 | 40.07 | 4.007E+01 | 2.696E-11 |
| 31.116 | 40.11 | 4.011E+01 | 2.719E-11 |
| 31.176 | 40.16 | 4.016E+01 | 2.750E-11 |
| 31.235 | 40.30 | 4.030E+01 | 2.844E-11 |
| 31.294 | 40.16 | 4.016E+01 | 2.755E-11 |
| 31.354 | 40.16 | 4.016E+01 | 2.750E-11 |
| 31.413 | 40.10 | 4.010E+01 | 2.711E-11 |
| 31.472 | 40.08 | 4.008E+01 | 2.704E-11 |
| 31.531 | 40.06 | 4.006E+01 | 2.688E-11 |
| 31.591 | 39.97 | 3.997E+01 | 2.633E-11 |
| 31.65 | 39.86 | 3.986E+01 | 2.570E-11 |
| 31.709 | 39.96 | 3.996E+01 | 2.628E-11 |
| 31.759 | 39.31 | 3.931E+01 | 2.261E-11 |

| | | | |
|--------|-------|-----------|-----------|
| 31.801 | 39.54 | 3.954E+01 | 2.388E-11 |
| 31.828 | 39.13 | 3.913E+01 | 2.170E-11 |
| 31.877 | 39.09 | 3.909E+01 | 2.152E-11 |
| 31.929 | 39.80 | 3.980E+01 | 2.535E-11 |
| 31.959 | 39.04 | 3.904E+01 | 2.126E-11 |
| 31.999 | 39.36 | 3.936E+01 | 2.291E-11 |
| 32.055 | 39.10 | 3.910E+01 | 2.158E-11 |
| 32.09 | 39.33 | 3.933E+01 | 2.273E-11 |
| 32.137 | 39.30 | 3.930E+01 | 2.258E-11 |
| 32.177 | 39.30 | 3.930E+01 | 2.260E-11 |
| 32.219 | 39.44 | 3.944E+01 | 2.330E-11 |
| 32.26 | 39.66 | 3.966E+01 | 2.453E-11 |
| 32.322 | 40.00 | 4.000E+01 | 2.651E-11 |
| 32.381 | 40.05 | 4.005E+01 | 2.681E-11 |
| 32.441 | 39.82 | 3.982E+01 | 2.547E-11 |
| 32.5 | 39.65 | 3.965E+01 | 2.447E-11 |
| 32.559 | 39.59 | 3.959E+01 | 2.413E-11 |
| 32.619 | 40.07 | 4.007E+01 | 2.696E-11 |
| 32.678 | 40.05 | 4.005E+01 | 2.681E-11 |
| 32.737 | 40.22 | 4.022E+01 | 2.789E-11 |
| 32.8 | 40.20 | 4.020E+01 | 2.776E-11 |
| 32.818 | 40.86 | 4.086E+01 | 3.231E-11 |
| 32.856 | 40.25 | 4.025E+01 | 2.812E-11 |
| 32.915 | 40.18 | 4.018E+01 | 2.768E-11 |
| 32.974 | 40.63 | 4.063E+01 | 3.066E-11 |
| 33.031 | 40.28 | 4.028E+01 | 2.830E-11 |
| 33.093 | 40.52 | 4.052E+01 | 2.987E-11 |
| 33.152 | 40.57 | 4.057E+01 | 3.026E-11 |
| 33.199 | 40.63 | 4.063E+01 | 3.069E-11 |
| 33.211 | 39.84 | 3.984E+01 | 2.558E-11 |
| 33.271 | 39.95 | 3.995E+01 | 2.621E-11 |
| 33.33 | 40.06 | 4.006E+01 | 2.688E-11 |
| 33.39 | 40.06 | 4.006E+01 | 2.688E-11 |
| 33.449 | 40.12 | 4.012E+01 | 2.727E-11 |
| 33.508 | 40.19 | 4.019E+01 | 2.773E-11 |
| 33.587 | 40.48 | 4.048E+01 | 2.962E-11 |
| 33.627 | 40.19 | 4.019E+01 | 2.773E-11 |
| 33.686 | 40.07 | 4.007E+01 | 2.696E-11 |
| 33.745 | 40.13 | 4.013E+01 | 2.734E-11 |
| 33.805 | 40.12 | 4.012E+01 | 2.727E-11 |
| 33.864 | 40.10 | 4.010E+01 | 2.711E-11 |
| 33.946 | 40.91 | 4.091E+01 | 3.269E-11 |
| 33.992 | 41.35 | 4.135E+01 | 3.619E-11 |
| 34.027 | 41.40 | 4.140E+01 | 3.666E-11 |
| 34.086 | 41.45 | 4.145E+01 | 3.706E-11 |
| 34.126 | 40.83 | 4.083E+01 | 3.213E-11 |
| 34.157 | 40.56 | 4.056E+01 | 3.016E-11 |
| 34.22 | 41.09 | 4.109E+01 | 3.411E-11 |
| 34.259 | 40.82 | 4.082E+01 | 3.202E-11 |

| | | | |
|--------|-------|-----------|-----------|
| 34.322 | 41.08 | 4.108E+01 | 3.401E-11 |
| 34.393 | 41.35 | 4.135E+01 | 3.619E-11 |
| 34.48 | 41.67 | 4.167E+01 | 3.896E-11 |
| 34.526 | 41.52 | 4.152E+01 | 3.760E-11 |
| 34.625 | 41.55 | 4.155E+01 | 3.792E-11 |
| 34.694 | 41.65 | 4.165E+01 | 3.878E-11 |
| 34.756 | 41.88 | 4.188E+01 | 4.091E-11 |
| 34.81 | 41.60 | 4.160E+01 | 3.830E-11 |
| 34.902 | 41.87 | 4.187E+01 | 4.080E-11 |
| 34.971 | 41.97 | 4.197E+01 | 4.173E-11 |
| 35.027 | 41.82 | 4.182E+01 | 4.030E-11 |
| 35.089 | 41.65 | 4.165E+01 | 3.878E-11 |
| 35.152 | 41.80 | 4.180E+01 | 4.016E-11 |
| 35.198 | 41.92 | 4.192E+01 | 4.126E-11 |
| 35.267 | 42.10 | 4.210E+01 | 4.304E-11 |
| 35.317 | 41.88 | 4.188E+01 | 4.091E-11 |
| 35.386 | 41.99 | 4.199E+01 | 4.197E-11 |
| 35.46 | 42.03 | 4.203E+01 | 4.232E-11 |
| 35.505 | 41.77 | 4.177E+01 | 3.989E-11 |
| 35.574 | 41.86 | 4.186E+01 | 4.068E-11 |
| 35.638 | 41.81 | 4.181E+01 | 4.023E-11 |
| 35.692 | 42.11 | 4.211E+01 | 4.317E-11 |
| 35.752 | 41.94 | 4.194E+01 | 4.150E-11 |
| 35.804 | 42.04 | 4.204E+01 | 4.244E-11 |
| 35.865 | 42.02 | 4.202E+01 | 4.225E-11 |
| 35.939 | 42.07 | 4.207E+01 | 4.268E-11 |
| 35.994 | 41.96 | 4.196E+01 | 4.168E-11 |
| 36.058 | 42.14 | 4.214E+01 | 4.341E-11 |
| 36.112 | 42.21 | 4.221E+01 | 4.415E-11 |
| 36.174 | 42.20 | 4.220E+01 | 4.400E-11 |
| 36.269 | 42.34 | 4.234E+01 | 4.551E-11 |
| 36.32 | 42.58 | 4.258E+01 | 4.805E-11 |
| 36.414 | 42.58 | 4.258E+01 | 4.805E-11 |
| 36.453 | 43.02 | 4.302E+01 | 5.318E-11 |
| 36.508 | 42.72 | 4.272E+01 | 4.961E-11 |
| 36.567 | 42.29 | 4.229E+01 | 4.490E-11 |
| 36.646 | 42.62 | 4.262E+01 | 4.845E-11 |
| 36.701 | 43.08 | 4.308E+01 | 5.390E-11 |
| 36.76 | 43.18 | 4.318E+01 | 5.516E-11 |
| 36.822 | 43.13 | 4.313E+01 | 5.454E-11 |
| 36.873 | 43.09 | 4.309E+01 | 5.408E-11 |
| 36.938 | 43.17 | 4.317E+01 | 5.501E-11 |
| 37.002 | 43.07 | 4.307E+01 | 5.378E-11 |
| 37.051 | 43.00 | 4.300E+01 | 5.295E-11 |
| 37.114 | 42.41 | 4.241E+01 | 4.619E-11 |
| 37.165 | 41.93 | 4.193E+01 | 4.138E-11 |
| 37.214 | 42.19 | 4.219E+01 | 4.396E-11 |
| 37.264 | 42.89 | 4.289E+01 | 5.163E-11 |
| 37.333 | 42.16 | 4.216E+01 | 4.366E-11 |

Calculate device radiated power from EMC test data

| | | | |
|--------|-------|-----------|-----------|
| 37.392 | 42.08 | 4.208E+01 | 4.286E-11 |
| 37.447 | 42.38 | 4.238E+01 | 4.593E-11 |
| 37.509 | 42.41 | 4.241E+01 | 4.619E-11 |
| 37.546 | 42.29 | 4.229E+01 | 4.490E-11 |
| 37.644 | 42.34 | 4.234E+01 | 4.548E-11 |
| 37.723 | 42.43 | 4.243E+01 | 4.645E-11 |
| 37.787 | 42.11 | 4.211E+01 | 4.312E-11 |
| 37.844 | 41.93 | 4.193E+01 | 4.140E-11 |
| 37.901 | 42.80 | 4.280E+01 | 5.055E-11 |
| 38.005 | 43.09 | 4.309E+01 | 5.408E-11 |
| 38.045 | 43.02 | 4.302E+01 | 5.318E-11 |
| 38.108 | 42.57 | 4.257E+01 | 4.794E-11 |
| 38.139 | 41.93 | 4.193E+01 | 4.140E-11 |
| 38.203 | 41.77 | 4.177E+01 | 3.989E-11 |
| 38.261 | 42.30 | 4.230E+01 | 4.506E-11 |
| 38.312 | 42.14 | 4.214E+01 | 4.341E-11 |
| 38.4 | 42.25 | 4.225E+01 | 4.453E-11 |
| 38.459 | 42.79 | 4.279E+01 | 5.047E-11 |
| 38.509 | 43.34 | 4.334E+01 | 5.722E-11 |
| 38.587 | 43.31 | 4.331E+01 | 5.690E-11 |
| 38.633 | 42.18 | 4.218E+01 | 4.378E-11 |
| 38.69 | 42.15 | 4.215E+01 | 4.356E-11 |
| 38.749 | 42.57 | 4.257E+01 | 4.794E-11 |
| 38.816 | 43.04 | 4.304E+01 | 5.340E-11 |
| 38.89 | 43.00 | 4.300E+01 | 5.288E-11 |
| 38.944 | 43.46 | 4.346E+01 | 5.886E-11 |
| 39.003 | 43.73 | 4.373E+01 | 6.262E-11 |
| 39.082 | 43.25 | 4.325E+01 | 5.610E-11 |
| 39.134 | 43.06 | 4.306E+01 | 5.363E-11 |
| 39.204 | 43.04 | 4.304E+01 | 5.340E-11 |
| 39.263 | 43.34 | 4.334E+01 | 5.729E-11 |
| 39.311 | 42.92 | 4.292E+01 | 5.199E-11 |
| 39.399 | 43.16 | 4.316E+01 | 5.485E-11 |
| 39.459 | 43.34 | 4.334E+01 | 5.729E-11 |
| 39.502 | 43.56 | 4.356E+01 | 6.020E-11 |
| 39.601 | 43.09 | 4.309E+01 | 5.408E-11 |
| 39.692 | 43.05 | 4.305E+01 | 5.354E-11 |
| 39.755 | 43.13 | 4.313E+01 | 5.454E-11 |
| 39.804 | 43.02 | 4.302E+01 | 5.318E-11 |
| 39.858 | 42.87 | 4.287E+01 | 5.141E-11 |
| 39.908 | 42.87 | 4.287E+01 | 5.134E-11 |
| 39.982 | 42.95 | 4.295E+01 | 5.229E-11 |