

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

FCC ID: BCGA2438 (Configuration 1, Figure 4, Class B device)
Frequency span: 1,000 MHz to 30,000 MHz
RBW: 1.0 MHz, distance: 3 m
Peak-to-average correction: N/A
No. of sample points: 29,000
Cumulative S level: $9.745\text{E-}07 \text{ W/m}^2$
Device radiated power: 0.0672 mW

EMC test spectral plot

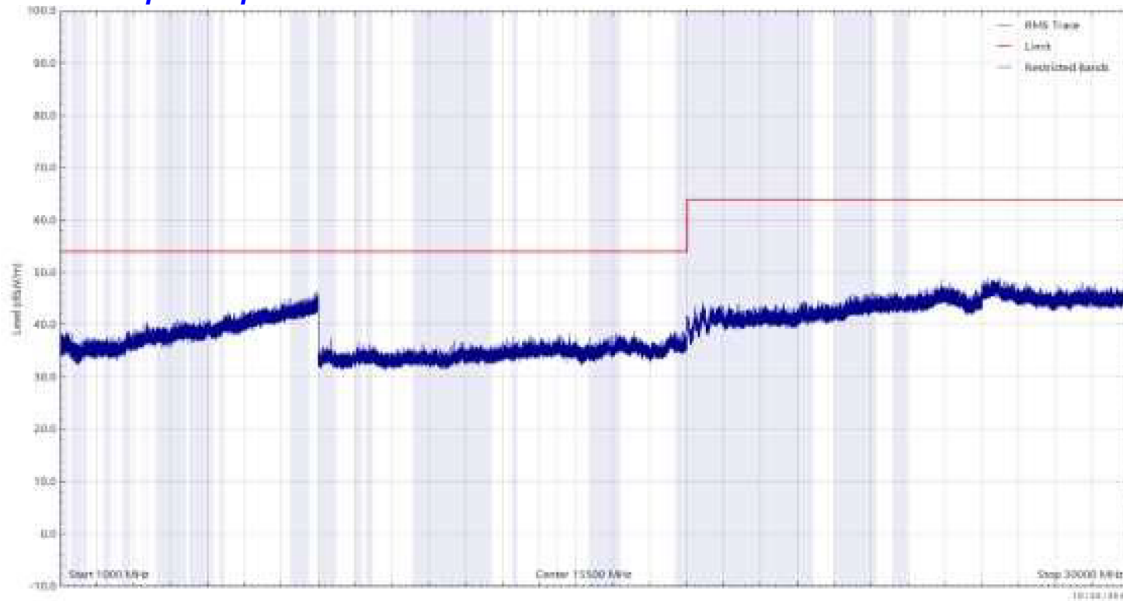


Figure 4 - 1 GHz to 30 GHz, CISPR Average, Vertical

Plot of extracted data from EMC test spectral plot

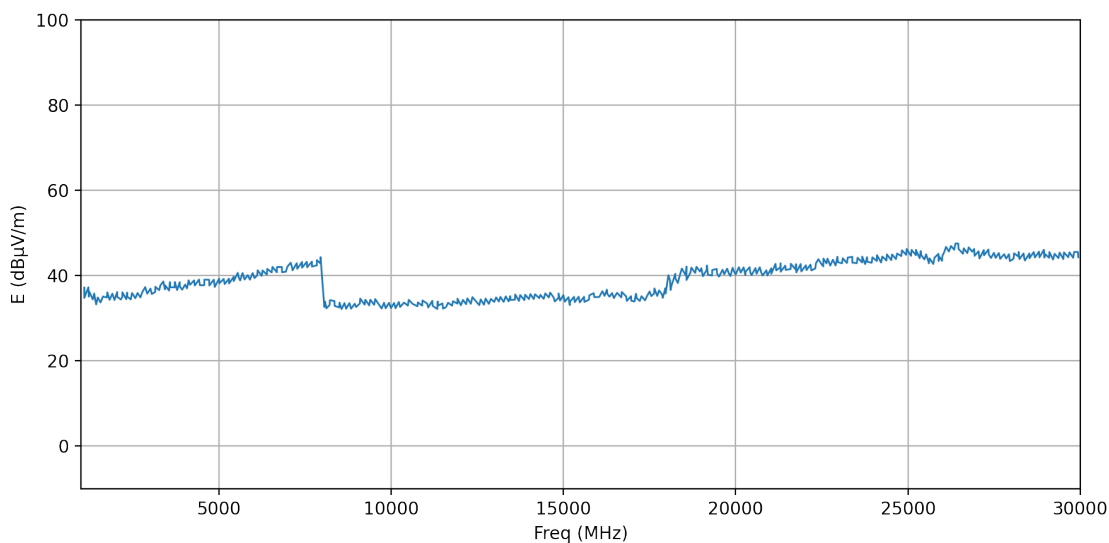


Table of extracted data from EMC test spectral plot

| Freq (MHz) | E (dBμV/m) | E (V/m rms) | S (W/m²) |
|------------|------------|-------------|-----------|
| 1087 | 35.96 | 3.596E+01 | 1.046E-11 |
| 1089 | 37.25 | 3.725E+01 | 1.408E-11 |
| 1089 | 34.76 | 3.476E+01 | 7.932E-12 |
| 1209 | 37.27 | 3.727E+01 | 1.414E-11 |
| 1221 | 35.07 | 3.507E+01 | 8.516E-12 |
| 1233 | 36.26 | 3.626E+01 | 1.121E-11 |
| 1338 | 34.41 | 3.441E+01 | 7.316E-12 |
| 1376 | 35.82 | 3.582E+01 | 1.014E-11 |
| 1434 | 33.23 | 3.323E+01 | 5.585E-12 |
| 1481 | 34.88 | 3.488E+01 | 8.165E-12 |
| 1561 | 33.70 | 3.370E+01 | 6.225E-12 |
| 1634 | 35.12 | 3.512E+01 | 8.619E-12 |
| 1746 | 34.87 | 3.487E+01 | 8.138E-12 |
| 1759 | 36.09 | 3.609E+01 | 1.077E-11 |
| 1824 | 34.31 | 3.431E+01 | 7.159E-12 |
| 1906 | 35.78 | 3.578E+01 | 1.003E-11 |
| 1966 | 34.28 | 3.428E+01 | 7.110E-12 |
| 2046 | 36.16 | 3.616E+01 | 1.096E-11 |
| 2047 | 35.01 | 3.501E+01 | 8.413E-12 |
| 2151 | 34.40 | 3.440E+01 | 7.303E-12 |
| 2193 | 35.01 | 3.501E+01 | 8.412E-12 |
| 2195 | 36.09 | 3.609E+01 | 1.079E-11 |
| 2306 | 34.46 | 3.446E+01 | 7.415E-12 |
| 2332 | 36.02 | 3.602E+01 | 1.062E-11 |
| 2339 | 35.08 | 3.508E+01 | 8.541E-12 |
| 2438 | 34.41 | 3.441E+01 | 7.328E-12 |
| 2476 | 35.94 | 3.594E+01 | 1.040E-11 |
| 2572 | 34.69 | 3.469E+01 | 7.803E-12 |
| 2635 | 35.94 | 3.594E+01 | 1.040E-11 |
| 2718 | 34.88 | 3.488E+01 | 8.158E-12 |
| 2775 | 36.15 | 3.615E+01 | 1.092E-11 |
| 2858 | 37.32 | 3.732E+01 | 1.430E-11 |
| 2916 | 35.76 | 3.576E+01 | 9.997E-12 |
| 3011 | 36.96 | 3.696E+01 | 1.316E-11 |
| 3050 | 35.68 | 3.568E+01 | 9.820E-12 |
| 3149 | 36.17 | 3.617E+01 | 1.099E-11 |
| 3152 | 37.39 | 3.739E+01 | 1.455E-11 |
| 3264 | 36.58 | 3.658E+01 | 1.206E-11 |
| 3299 | 37.71 | 3.771E+01 | 1.565E-11 |
| 3384 | 38.64 | 3.864E+01 | 1.939E-11 |
| 3432 | 36.77 | 3.677E+01 | 1.260E-11 |
| 3438 | 37.70 | 3.770E+01 | 1.564E-11 |
| 3552 | 36.50 | 3.650E+01 | 1.184E-11 |
| 3576 | 38.48 | 3.848E+01 | 1.868E-11 |
| 3587 | 37.29 | 3.729E+01 | 1.420E-11 |
| 3711 | 37.24 | 3.724E+01 | 1.405E-11 |

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| 3719 | 38.51 | 3.851E+01 | 1.884E-11 |
| 3785 | 36.61 | 3.661E+01 | 1.216E-11 |
| 3862 | 38.48 | 3.848E+01 | 1.868E-11 |
| 3862 | 37.46 | 3.746E+01 | 1.479E-11 |
| 3932 | 36.71 | 3.671E+01 | 1.243E-11 |
| 4017 | 37.91 | 3.791E+01 | 1.638E-11 |
| 4072 | 37.00 | 3.700E+01 | 1.329E-11 |
| 4117 | 38.90 | 3.890E+01 | 2.060E-11 |
| 4159 | 37.86 | 3.786E+01 | 1.619E-11 |
| 4278 | 38.89 | 3.889E+01 | 2.054E-11 |
| 4298 | 37.68 | 3.768E+01 | 1.554E-11 |
| 4420 | 39.10 | 3.910E+01 | 2.155E-11 |
| 4446 | 37.74 | 3.774E+01 | 1.576E-11 |
| 4573 | 37.76 | 3.776E+01 | 1.583E-11 |
| 4576 | 39.06 | 3.906E+01 | 2.137E-11 |
| 4713 | 39.03 | 3.903E+01 | 2.124E-11 |
| 4720 | 37.68 | 3.768E+01 | 1.554E-11 |
| 4850 | 39.08 | 3.908E+01 | 2.145E-11 |
| 4866 | 37.98 | 3.798E+01 | 1.668E-11 |
| 4876 | 37.35 | 3.735E+01 | 1.441E-11 |
| 5003 | 39.29 | 3.929E+01 | 2.254E-11 |
| 5011 | 38.20 | 3.820E+01 | 1.754E-11 |
| 5137 | 39.23 | 3.923E+01 | 2.221E-11 |
| 5165 | 38.02 | 3.802E+01 | 1.683E-11 |
| 5290 | 39.29 | 3.929E+01 | 2.254E-11 |
| 5293 | 38.15 | 3.815E+01 | 1.733E-11 |
| 5428 | 39.74 | 3.974E+01 | 2.499E-11 |
| 5429 | 38.72 | 3.872E+01 | 1.976E-11 |
| 5546 | 40.66 | 4.066E+01 | 3.087E-11 |
| 5573 | 39.56 | 3.956E+01 | 2.400E-11 |
| 5613 | 38.87 | 3.887E+01 | 2.043E-11 |
| 5685 | 40.61 | 4.061E+01 | 3.054E-11 |
| 5743 | 39.09 | 3.909E+01 | 2.151E-11 |
| 5834 | 40.12 | 4.012E+01 | 2.727E-11 |
| 5899 | 39.05 | 3.905E+01 | 2.130E-11 |
| 5977 | 40.61 | 4.061E+01 | 3.054E-11 |
| 6030 | 39.43 | 3.943E+01 | 2.329E-11 |
| 6111 | 40.07 | 4.007E+01 | 2.695E-11 |
| 6121 | 41.26 | 4.126E+01 | 3.545E-11 |
| 6241 | 39.95 | 3.995E+01 | 2.621E-11 |
| 6264 | 41.22 | 4.122E+01 | 3.516E-11 |
| 6390 | 40.24 | 4.024E+01 | 2.803E-11 |
| 6400 | 41.59 | 4.159E+01 | 3.825E-11 |
| 6530 | 40.75 | 4.075E+01 | 3.151E-11 |
| 6552 | 42.05 | 4.205E+01 | 4.252E-11 |
| 6680 | 40.78 | 4.078E+01 | 3.175E-11 |
| 6683 | 42.02 | 4.202E+01 | 4.224E-11 |
| 6827 | 42.02 | 4.202E+01 | 4.224E-11 |
| 6830 | 40.79 | 4.079E+01 | 3.183E-11 |

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|-------|-------|-----------|-----------|
| 6945 | 40.94 | 4.094E+01 | 3.293E-11 |
| 6982 | 42.06 | 4.206E+01 | 4.261E-11 |
| 7082 | 43.04 | 4.304E+01 | 5.335E-11 |
| 7117 | 42.06 | 4.206E+01 | 4.265E-11 |
| 7136 | 41.25 | 4.125E+01 | 3.536E-11 |
| 7257 | 42.92 | 4.292E+01 | 5.199E-11 |
| 7273 | 41.60 | 4.160E+01 | 3.832E-11 |
| 7410 | 43.20 | 4.320E+01 | 5.541E-11 |
| 7411 | 41.87 | 4.187E+01 | 4.076E-11 |
| 7551 | 43.25 | 4.325E+01 | 5.611E-11 |
| 7560 | 41.96 | 4.196E+01 | 4.165E-11 |
| 7697 | 43.28 | 4.328E+01 | 5.649E-11 |
| 7699 | 42.13 | 4.213E+01 | 4.335E-11 |
| 7840 | 42.41 | 4.241E+01 | 4.621E-11 |
| 7842 | 43.64 | 4.364E+01 | 6.131E-11 |
| 7945 | 42.87 | 4.287E+01 | 5.132E-11 |
| 7948 | 44.35 | 4.435E+01 | 7.214E-11 |
| 8058 | 32.65 | 3.265E+01 | 4.880E-12 |
| 8080 | 33.92 | 3.392E+01 | 6.536E-12 |
| 8117 | 32.32 | 3.232E+01 | 4.525E-12 |
| 8212 | 33.12 | 3.312E+01 | 5.438E-12 |
| 8220 | 34.25 | 3.425E+01 | 7.063E-12 |
| 8353 | 34.05 | 3.405E+01 | 6.736E-12 |
| 8357 | 32.90 | 3.290E+01 | 5.178E-12 |
| 8488 | 32.54 | 3.254E+01 | 4.755E-12 |
| 8500 | 33.68 | 3.368E+01 | 6.191E-12 |
| 8558 | 32.14 | 3.214E+01 | 4.342E-12 |
| 8643 | 33.57 | 3.357E+01 | 6.032E-12 |
| 8691 | 32.23 | 3.223E+01 | 4.431E-12 |
| 8787 | 33.57 | 3.357E+01 | 6.032E-12 |
| 8835 | 32.24 | 3.224E+01 | 4.447E-12 |
| 8942 | 33.41 | 3.341E+01 | 5.813E-12 |
| 8981 | 32.63 | 3.263E+01 | 4.863E-12 |
| 9090 | 33.49 | 3.349E+01 | 5.918E-12 |
| 9099 | 34.63 | 3.463E+01 | 7.699E-12 |
| 9229 | 33.19 | 3.319E+01 | 5.533E-12 |
| 9249 | 34.36 | 3.436E+01 | 7.234E-12 |
| 9361 | 33.00 | 3.300E+01 | 5.298E-12 |
| 9392 | 34.36 | 3.436E+01 | 7.234E-12 |
| 9504 | 33.14 | 3.314E+01 | 5.469E-12 |
| 9536 | 34.49 | 3.449E+01 | 7.467E-12 |
| 9646 | 33.18 | 3.318E+01 | 5.512E-12 |
| 9722 | 32.28 | 3.228E+01 | 4.482E-12 |
| 9791 | 33.64 | 3.364E+01 | 6.138E-12 |
| 9839 | 32.34 | 3.234E+01 | 4.547E-12 |
| 9934 | 33.62 | 3.362E+01 | 6.102E-12 |
| 9992 | 32.38 | 3.238E+01 | 4.594E-12 |
| 10084 | 33.59 | 3.359E+01 | 6.064E-12 |
| 10125 | 32.35 | 3.235E+01 | 4.555E-12 |

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| 10221 | 33.82 | 3.382E+01 | 6.390E-12 |
| 10257 | 32.65 | 3.265E+01 | 4.880E-12 |
| 10374 | 33.68 | 3.368E+01 | 6.191E-12 |
| 10483 | 32.96 | 3.296E+01 | 5.247E-12 |
| 10508 | 34.32 | 3.432E+01 | 7.172E-12 |
| 10622 | 33.37 | 3.337E+01 | 5.767E-12 |
| 10763 | 32.81 | 3.281E+01 | 5.063E-12 |
| 10773 | 33.73 | 3.373E+01 | 6.256E-12 |
| 10899 | 32.94 | 3.294E+01 | 5.226E-12 |
| 10906 | 34.18 | 3.418E+01 | 6.948E-12 |
| 11046 | 33.43 | 3.343E+01 | 5.845E-12 |
| 11072 | 32.53 | 3.253E+01 | 4.745E-12 |
| 11193 | 34.09 | 3.409E+01 | 6.809E-12 |
| 11203 | 32.91 | 3.291E+01 | 5.189E-12 |
| 11337 | 32.18 | 3.218E+01 | 4.377E-12 |
| 11353 | 33.94 | 3.394E+01 | 6.577E-12 |
| 11353 | 32.94 | 3.294E+01 | 5.223E-12 |
| 11488 | 33.48 | 3.348E+01 | 5.916E-12 |
| 11503 | 32.26 | 3.226E+01 | 4.463E-12 |
| 11592 | 32.61 | 3.261E+01 | 4.838E-12 |
| 11649 | 33.64 | 3.364E+01 | 6.127E-12 |
| 11767 | 32.96 | 3.296E+01 | 5.240E-12 |
| 11792 | 34.00 | 3.400E+01 | 6.669E-12 |
| 11922 | 33.44 | 3.344E+01 | 5.850E-12 |
| 11922 | 34.60 | 3.460E+01 | 7.652E-12 |
| 12022 | 33.05 | 3.305E+01 | 5.350E-12 |
| 12082 | 34.31 | 3.431E+01 | 7.156E-12 |
| 12173 | 33.30 | 3.330E+01 | 5.666E-12 |
| 12211 | 34.67 | 3.467E+01 | 7.773E-12 |
| 12311 | 33.40 | 3.340E+01 | 5.798E-12 |
| 12357 | 34.96 | 3.496E+01 | 8.308E-12 |
| 12452 | 34.04 | 3.404E+01 | 6.721E-12 |
| 12557 | 33.08 | 3.308E+01 | 5.395E-12 |
| 12596 | 34.43 | 3.443E+01 | 7.360E-12 |
| 12691 | 33.18 | 3.318E+01 | 5.517E-12 |
| 12739 | 34.62 | 3.462E+01 | 7.686E-12 |
| 12835 | 33.37 | 3.337E+01 | 5.765E-12 |
| 12893 | 34.55 | 3.455E+01 | 7.566E-12 |
| 12990 | 33.82 | 3.382E+01 | 6.399E-12 |
| 13045 | 34.90 | 3.490E+01 | 8.194E-12 |
| 13126 | 33.91 | 3.391E+01 | 6.531E-12 |
| 13169 | 35.02 | 3.502E+01 | 8.428E-12 |
| 13265 | 33.84 | 3.384E+01 | 6.423E-12 |
| 13325 | 35.14 | 3.514E+01 | 8.656E-12 |
| 13408 | 33.95 | 3.395E+01 | 6.587E-12 |
| 13456 | 35.20 | 3.520E+01 | 8.776E-12 |
| 13463 | 34.31 | 3.431E+01 | 7.159E-12 |
| 13591 | 34.36 | 3.436E+01 | 7.241E-12 |
| 13600 | 35.59 | 3.559E+01 | 9.603E-12 |

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|-------|-------|-----------|-----------|
| 13708 | 34.06 | 3.406E+01 | 6.753E-12 |
| 13743 | 35.45 | 3.545E+01 | 9.302E-12 |
| 13866 | 34.26 | 3.426E+01 | 7.068E-12 |
| 13887 | 35.52 | 3.552E+01 | 9.459E-12 |
| 13998 | 34.50 | 3.450E+01 | 7.482E-12 |
| 14040 | 35.68 | 3.568E+01 | 9.807E-12 |
| 14137 | 34.51 | 3.451E+01 | 7.486E-12 |
| 14173 | 35.63 | 3.563E+01 | 9.707E-12 |
| 14297 | 34.73 | 3.473E+01 | 7.875E-12 |
| 14328 | 35.50 | 3.550E+01 | 9.412E-12 |
| 14426 | 34.56 | 3.456E+01 | 7.574E-12 |
| 14473 | 35.85 | 3.585E+01 | 1.020E-11 |
| 14576 | 34.87 | 3.487E+01 | 8.137E-12 |
| 14612 | 36.03 | 3.603E+01 | 1.063E-11 |
| 14715 | 34.87 | 3.487E+01 | 8.142E-12 |
| 14747 | 33.94 | 3.394E+01 | 6.568E-12 |
| 14859 | 34.81 | 3.481E+01 | 8.025E-12 |
| 14859 | 35.82 | 3.582E+01 | 1.014E-11 |
| 14901 | 34.14 | 3.414E+01 | 6.876E-12 |
| 14998 | 35.44 | 3.544E+01 | 9.289E-12 |
| 15041 | 33.89 | 3.389E+01 | 6.489E-12 |
| 15146 | 34.96 | 3.496E+01 | 8.308E-12 |
| 15182 | 33.09 | 3.309E+01 | 5.407E-12 |
| 15185 | 33.86 | 3.386E+01 | 6.456E-12 |
| 15307 | 35.04 | 3.504E+01 | 8.470E-12 |
| 15328 | 33.79 | 3.379E+01 | 6.354E-12 |
| 15440 | 35.06 | 3.506E+01 | 8.508E-12 |
| 15474 | 33.72 | 3.372E+01 | 6.250E-12 |
| 15599 | 35.04 | 3.504E+01 | 8.467E-12 |
| 15608 | 33.83 | 3.383E+01 | 6.414E-12 |
| 15741 | 34.36 | 3.436E+01 | 7.234E-12 |
| 15750 | 35.38 | 3.538E+01 | 9.151E-12 |
| 15879 | 35.88 | 3.588E+01 | 1.028E-11 |
| 15895 | 34.95 | 3.495E+01 | 8.295E-12 |
| 16038 | 34.99 | 3.499E+01 | 8.368E-12 |
| 16129 | 36.35 | 3.635E+01 | 1.146E-11 |
| 16193 | 35.24 | 3.524E+01 | 8.874E-12 |
| 16261 | 36.71 | 3.671E+01 | 1.244E-11 |
| 16277 | 35.69 | 3.569E+01 | 9.834E-12 |
| 16337 | 35.06 | 3.506E+01 | 8.512E-12 |
| 16411 | 35.92 | 3.592E+01 | 1.036E-11 |
| 16464 | 34.74 | 3.474E+01 | 7.896E-12 |
| 16556 | 35.97 | 3.597E+01 | 1.048E-11 |
| 16680 | 34.89 | 3.489E+01 | 8.172E-12 |
| 16691 | 36.17 | 3.617E+01 | 1.099E-11 |
| 16819 | 35.14 | 3.514E+01 | 8.656E-12 |
| 16840 | 34.07 | 3.407E+01 | 6.765E-12 |
| 16962 | 35.18 | 3.518E+01 | 8.750E-12 |
| 16971 | 34.09 | 3.409E+01 | 6.805E-12 |

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| 17061 | 33.93 | 3.393E+01 | 6.555E-12 |
| 17106 | 35.75 | 3.575E+01 | 9.963E-12 |
| 17128 | 34.68 | 3.468E+01 | 7.786E-12 |
| 17216 | 34.06 | 3.406E+01 | 6.762E-12 |
| 17265 | 35.18 | 3.518E+01 | 8.750E-12 |
| 17369 | 34.19 | 3.419E+01 | 6.965E-12 |
| 17421 | 35.13 | 3.513E+01 | 8.647E-12 |
| 17500 | 36.28 | 3.628E+01 | 1.127E-11 |
| 17552 | 35.20 | 3.520E+01 | 8.788E-12 |
| 17632 | 35.78 | 3.578E+01 | 1.004E-11 |
| 17640 | 37.01 | 3.701E+01 | 1.331E-11 |
| 17723 | 35.23 | 3.523E+01 | 8.837E-12 |
| 17775 | 36.54 | 3.654E+01 | 1.195E-11 |
| 17861 | 35.58 | 3.558E+01 | 9.591E-12 |
| 17883 | 34.78 | 3.478E+01 | 7.973E-12 |
| 17958 | 37.04 | 3.704E+01 | 1.343E-11 |
| 17966 | 35.80 | 3.580E+01 | 1.009E-11 |
| 18046 | 40.10 | 4.010E+01 | 2.717E-11 |
| 18094 | 38.85 | 3.885E+01 | 2.035E-11 |
| 18110 | 36.61 | 3.661E+01 | 1.216E-11 |
| 18135 | 37.68 | 3.768E+01 | 1.553E-11 |
| 18247 | 40.43 | 4.043E+01 | 2.928E-11 |
| 18250 | 39.39 | 3.939E+01 | 2.305E-11 |
| 18320 | 38.26 | 3.826E+01 | 1.776E-11 |
| 18378 | 40.07 | 4.007E+01 | 2.696E-11 |
| 18437 | 41.66 | 4.166E+01 | 3.891E-11 |
| 18547 | 40.10 | 4.010E+01 | 2.714E-11 |
| 18572 | 42.13 | 4.213E+01 | 4.335E-11 |
| 18572 | 38.98 | 3.898E+01 | 2.096E-11 |
| 18687 | 40.74 | 4.074E+01 | 3.144E-11 |
| 18711 | 41.89 | 4.189E+01 | 4.103E-11 |
| 18823 | 40.63 | 4.063E+01 | 3.067E-11 |
| 18861 | 42.08 | 4.208E+01 | 4.284E-11 |
| 18963 | 40.96 | 4.096E+01 | 3.312E-11 |
| 19002 | 41.74 | 4.174E+01 | 3.959E-11 |
| 19047 | 39.86 | 3.986E+01 | 2.567E-11 |
| 19155 | 41.30 | 4.130E+01 | 3.578E-11 |
| 19166 | 42.39 | 4.239E+01 | 4.596E-11 |
| 19194 | 40.21 | 4.021E+01 | 2.785E-11 |
| 19315 | 40.03 | 4.003E+01 | 2.668E-11 |
| 19317 | 41.30 | 4.130E+01 | 3.576E-11 |
| 19448 | 41.58 | 4.158E+01 | 3.819E-11 |
| 19458 | 40.45 | 4.045E+01 | 2.940E-11 |
| 19515 | 39.76 | 3.976E+01 | 2.511E-11 |
| 19620 | 41.38 | 4.138E+01 | 3.644E-11 |
| 19668 | 40.33 | 4.033E+01 | 2.859E-11 |
| 19751 | 41.65 | 4.165E+01 | 3.874E-11 |
| 19799 | 40.54 | 4.054E+01 | 3.004E-11 |
| 19847 | 39.92 | 3.992E+01 | 2.602E-11 |

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| 19911 | 41.86 | 4.186E+01 | 4.069E-11 |
| 19953 | 40.96 | 4.096E+01 | 3.305E-11 |
| 19998 | 40.26 | 4.026E+01 | 2.819E-11 |
| 20093 | 41.99 | 4.199E+01 | 4.190E-11 |
| 20146 | 40.71 | 4.071E+01 | 3.124E-11 |
| 20229 | 41.95 | 4.195E+01 | 4.152E-11 |
| 20282 | 40.13 | 4.013E+01 | 2.733E-11 |
| 20286 | 40.89 | 4.089E+01 | 3.259E-11 |
| 20405 | 41.99 | 4.199E+01 | 4.197E-11 |
| 20422 | 40.78 | 4.078E+01 | 3.171E-11 |
| 20463 | 40.13 | 4.013E+01 | 2.733E-11 |
| 20574 | 41.78 | 4.178E+01 | 3.997E-11 |
| 20606 | 40.44 | 4.044E+01 | 2.932E-11 |
| 20700 | 41.96 | 4.196E+01 | 4.170E-11 |
| 20742 | 40.76 | 4.076E+01 | 3.161E-11 |
| 20779 | 40.03 | 4.003E+01 | 2.669E-11 |
| 20892 | 41.25 | 4.125E+01 | 3.541E-11 |
| 20919 | 40.03 | 4.003E+01 | 2.674E-11 |
| 21033 | 41.72 | 4.172E+01 | 3.943E-11 |
| 21034 | 40.44 | 4.044E+01 | 2.937E-11 |
| 21155 | 42.77 | 4.277E+01 | 5.019E-11 |
| 21178 | 41.22 | 4.122E+01 | 3.516E-11 |
| 21297 | 41.97 | 4.197E+01 | 4.176E-11 |
| 21305 | 42.90 | 4.290E+01 | 5.176E-11 |
| 21306 | 40.93 | 4.093E+01 | 3.286E-11 |
| 21441 | 42.36 | 4.236E+01 | 4.566E-11 |
| 21453 | 41.33 | 4.133E+01 | 3.603E-11 |
| 21597 | 41.56 | 4.156E+01 | 3.798E-11 |
| 21600 | 42.80 | 4.280E+01 | 5.051E-11 |
| 21737 | 41.47 | 4.147E+01 | 3.720E-11 |
| 21751 | 42.70 | 4.270E+01 | 4.936E-11 |
| 21759 | 40.76 | 4.076E+01 | 3.161E-11 |
| 21887 | 42.73 | 4.273E+01 | 4.979E-11 |
| 21895 | 41.50 | 4.150E+01 | 3.747E-11 |
| 21905 | 40.98 | 4.098E+01 | 3.323E-11 |
| 22038 | 42.44 | 4.244E+01 | 4.649E-11 |
| 22056 | 41.30 | 4.130E+01 | 3.581E-11 |
| 22171 | 42.59 | 4.259E+01 | 4.819E-11 |
| 22196 | 41.23 | 4.123E+01 | 3.519E-11 |
| 22312 | 41.68 | 4.168E+01 | 3.908E-11 |
| 22327 | 42.85 | 4.285E+01 | 5.118E-11 |
| 22401 | 43.87 | 4.387E+01 | 6.461E-11 |
| 22481 | 42.80 | 4.280E+01 | 5.057E-11 |
| 22543 | 42.17 | 4.217E+01 | 4.367E-11 |
| 22547 | 44.00 | 4.400E+01 | 6.665E-11 |
| 22635 | 42.87 | 4.287E+01 | 5.132E-11 |
| 22666 | 44.01 | 4.401E+01 | 6.674E-11 |
| 22744 | 42.34 | 4.234E+01 | 4.550E-11 |
| 22821 | 43.74 | 4.374E+01 | 6.278E-11 |

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| 22899 | 42.38 | 4.238E+01 | 4.591E-11 |
| 22955 | 44.44 | 4.444E+01 | 7.369E-11 |
| 22967 | 43.17 | 4.317E+01 | 5.498E-11 |
| 23086 | 42.89 | 4.289E+01 | 5.165E-11 |
| 23108 | 44.07 | 4.407E+01 | 6.774E-11 |
| 23229 | 42.96 | 4.296E+01 | 5.246E-11 |
| 23253 | 44.25 | 4.425E+01 | 7.059E-11 |
| 23385 | 44.41 | 4.441E+01 | 7.327E-11 |
| 23385 | 43.04 | 4.304E+01 | 5.347E-11 |
| 23516 | 42.94 | 4.294E+01 | 5.216E-11 |
| 23538 | 44.21 | 4.421E+01 | 6.988E-11 |
| 23672 | 43.08 | 4.308E+01 | 5.392E-11 |
| 23672 | 44.48 | 4.448E+01 | 7.440E-11 |
| 23758 | 42.71 | 4.271E+01 | 4.954E-11 |
| 23815 | 44.34 | 4.434E+01 | 7.201E-11 |
| 23817 | 43.28 | 4.328E+01 | 5.649E-11 |
| 23947 | 43.01 | 4.301E+01 | 5.301E-11 |
| 23968 | 44.30 | 4.430E+01 | 7.135E-11 |
| 24098 | 43.43 | 4.343E+01 | 5.838E-11 |
| 24102 | 44.80 | 4.480E+01 | 8.012E-11 |
| 24222 | 43.08 | 4.308E+01 | 5.388E-11 |
| 24255 | 44.49 | 4.449E+01 | 7.450E-11 |
| 24377 | 43.54 | 4.354E+01 | 5.987E-11 |
| 24389 | 44.99 | 4.499E+01 | 8.366E-11 |
| 24516 | 43.64 | 4.364E+01 | 6.127E-11 |
| 24539 | 44.97 | 4.497E+01 | 8.337E-11 |
| 24652 | 43.89 | 4.389E+01 | 6.489E-11 |
| 24686 | 45.19 | 4.519E+01 | 8.756E-11 |
| 24807 | 44.59 | 4.459E+01 | 7.638E-11 |
| 24826 | 45.95 | 4.595E+01 | 1.045E-10 |
| 24950 | 44.87 | 4.487E+01 | 8.150E-11 |
| 24963 | 46.27 | 4.627E+01 | 1.123E-10 |
| 25090 | 44.65 | 4.465E+01 | 7.739E-11 |
| 25106 | 46.04 | 4.604E+01 | 1.066E-10 |
| 25234 | 44.78 | 4.478E+01 | 7.977E-11 |
| 25234 | 46.06 | 4.606E+01 | 1.070E-10 |
| 25339 | 44.09 | 4.409E+01 | 6.803E-11 |
| 25373 | 45.77 | 4.577E+01 | 1.001E-10 |
| 25388 | 44.81 | 4.481E+01 | 8.035E-11 |
| 25478 | 43.80 | 4.380E+01 | 6.357E-11 |
| 25528 | 45.01 | 4.501E+01 | 8.402E-11 |
| 25610 | 42.89 | 4.289E+01 | 5.158E-11 |
| 25627 | 44.07 | 4.407E+01 | 6.778E-11 |
| 25736 | 42.74 | 4.274E+01 | 4.985E-11 |
| 25771 | 44.22 | 4.422E+01 | 7.007E-11 |
| 25887 | 45.12 | 4.512E+01 | 8.623E-11 |
| 25891 | 43.42 | 4.342E+01 | 5.829E-11 |
| 25907 | 44.47 | 4.447E+01 | 7.428E-11 |
| 25991 | 43.49 | 4.349E+01 | 5.919E-11 |

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| 25998 | 44.61 | 4.461E+01 | 7.673E-11 |
| 26056 | 45.57 | 4.557E+01 | 9.566E-11 |
| 26106 | 46.75 | 4.675E+01 | 1.256E-10 |
| 26188 | 45.67 | 4.567E+01 | 9.780E-11 |
| 26250 | 46.96 | 4.696E+01 | 1.318E-10 |
| 26343 | 46.08 | 4.608E+01 | 1.075E-10 |
| 26381 | 47.54 | 4.754E+01 | 1.506E-10 |
| 26461 | 47.54 | 4.754E+01 | 1.506E-10 |
| 26470 | 46.26 | 4.626E+01 | 1.121E-10 |
| 26598 | 45.14 | 4.514E+01 | 8.653E-11 |
| 26620 | 46.42 | 4.642E+01 | 1.162E-10 |
| 26725 | 45.28 | 4.528E+01 | 8.950E-11 |
| 26763 | 46.64 | 4.664E+01 | 1.224E-10 |
| 26865 | 45.62 | 4.562E+01 | 9.683E-11 |
| 26923 | 46.27 | 4.627E+01 | 1.123E-10 |
| 26935 | 44.65 | 4.465E+01 | 7.731E-11 |
| 27050 | 45.73 | 4.573E+01 | 9.917E-11 |
| 27066 | 44.63 | 4.463E+01 | 7.709E-11 |
| 27076 | 44.02 | 4.402E+01 | 6.695E-11 |
| 27204 | 46.02 | 4.602E+01 | 1.060E-10 |
| 27209 | 44.76 | 4.476E+01 | 7.936E-11 |
| 27337 | 46.14 | 4.614E+01 | 1.091E-10 |
| 27347 | 44.97 | 4.497E+01 | 8.335E-11 |
| 27413 | 44.14 | 4.414E+01 | 6.879E-11 |
| 27497 | 45.36 | 4.536E+01 | 9.122E-11 |
| 27547 | 44.17 | 4.417E+01 | 6.923E-11 |
| 27640 | 45.31 | 4.531E+01 | 9.017E-11 |
| 27678 | 43.93 | 4.393E+01 | 6.561E-11 |
| 27791 | 45.04 | 4.504E+01 | 8.457E-11 |
| 27852 | 44.01 | 4.401E+01 | 6.681E-11 |
| 27934 | 45.03 | 4.503E+01 | 8.449E-11 |
| 27959 | 43.41 | 4.341E+01 | 5.810E-11 |
| 28067 | 43.97 | 4.397E+01 | 6.618E-11 |
| 28080 | 45.24 | 4.524E+01 | 8.873E-11 |
| 28207 | 44.49 | 4.449E+01 | 7.466E-11 |
| 28214 | 45.55 | 4.555E+01 | 9.525E-11 |
| 28236 | 43.87 | 4.387E+01 | 6.465E-11 |
| 28357 | 45.21 | 4.521E+01 | 8.812E-11 |
| 28373 | 44.23 | 4.423E+01 | 7.023E-11 |
| 28395 | 43.55 | 4.355E+01 | 6.004E-11 |
| 28526 | 45.20 | 4.520E+01 | 8.781E-11 |
| 28528 | 44.08 | 4.408E+01 | 6.783E-11 |
| 28652 | 45.54 | 4.554E+01 | 9.504E-11 |
| 28685 | 44.25 | 4.425E+01 | 7.061E-11 |
| 28803 | 45.63 | 4.563E+01 | 9.691E-11 |
| 28819 | 44.29 | 4.429E+01 | 7.129E-11 |
| 28947 | 46.08 | 4.608E+01 | 1.075E-10 |
| 28963 | 44.23 | 4.423E+01 | 7.027E-11 |
| 28969 | 45.12 | 4.512E+01 | 8.623E-11 |

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| 29099 | 44.20 | 4.420E+01 | 6.984E-11 |
| 29106 | 45.54 | 4.554E+01 | 9.498E-11 |
| 29213 | 43.78 | 4.378E+01 | 6.331E-11 |
| 29257 | 45.13 | 4.513E+01 | 8.651E-11 |
| 29368 | 44.11 | 4.411E+01 | 6.827E-11 |
| 29403 | 45.41 | 4.541E+01 | 9.223E-11 |
| 29512 | 43.88 | 4.388E+01 | 6.487E-11 |
| 29528 | 45.46 | 4.546E+01 | 9.321E-11 |
| 29654 | 44.32 | 4.432E+01 | 7.172E-11 |
| 29690 | 45.47 | 4.547E+01 | 9.354E-11 |
| 29798 | 44.18 | 4.418E+01 | 6.944E-11 |
| 29823 | 45.55 | 4.555E+01 | 9.525E-11 |
| 29935 | 45.56 | 4.556E+01 | 9.541E-11 |
| 29944 | 44.33 | 4.433E+01 | 7.185E-11 |