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Date: 14 June 2022

FCC ID: BCGA2615 (Configuration 1, Figure 8, 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: 1.510×10^{-6} W/m²
Device radiated power: 0.1042 mW

EMC test spectral plot

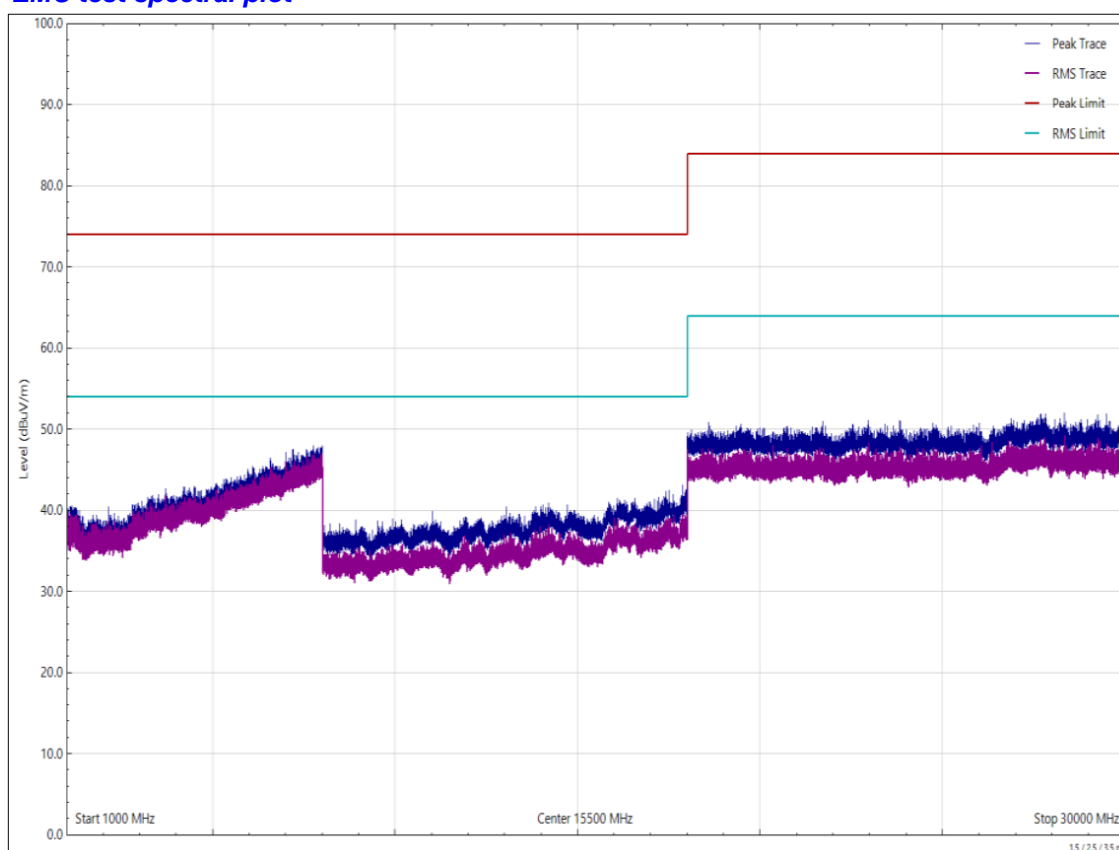


Figure 8 - 1 GHz to 30 GHz, Peak, Vertical

Plot of extracted data from EMC test spectral plot

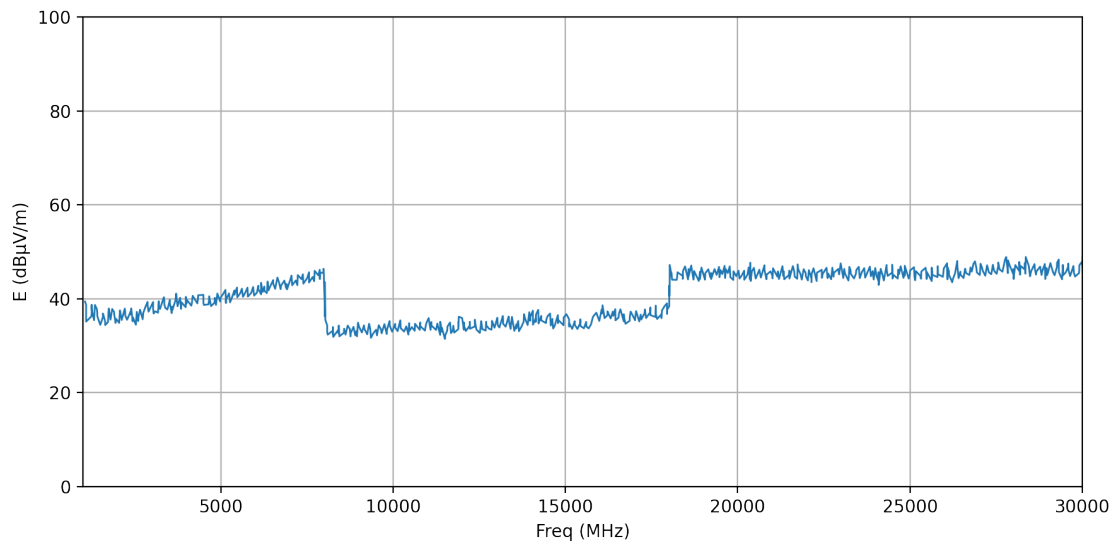


Table of extracted data from EMC test spectral plot

Freq (MHz)	E (dBμV/m)	E (V/m rms)	S (W/m²)
1053	39.41	3.941E+01	2.316E-11
1085	38.72	3.872E+01	1.977E-11
1085	38.00	3.800E+01	1.673E-11
1085	37.26	3.726E+01	1.413E-11
1085	36.53	3.653E+01	1.194E-11
1085	35.82	3.582E+01	1.013E-11
1085	35.13	3.513E+01	8.636E-12
1237	36.24	3.624E+01	1.117E-11
1247	36.98	3.698E+01	1.323E-11
1247	38.67	3.867E+01	1.953E-11
1247	37.71	3.771E+01	1.565E-11
1315	35.45	3.545E+01	9.298E-12
1342	38.68	3.868E+01	1.958E-11
1396	37.83	3.783E+01	1.610E-11
1409	37.06	3.706E+01	1.348E-11
1409	36.33	3.633E+01	1.140E-11
1450	35.39	3.539E+01	9.181E-12
1496	34.43	3.443E+01	7.361E-12
1571	36.09	3.609E+01	1.078E-11
1573	36.86	3.686E+01	1.287E-11
1636	35.22	3.522E+01	8.819E-12
1639	34.39	3.439E+01	7.284E-12
1720	35.04	3.504E+01	8.457E-12
1733	37.14	3.714E+01	1.374E-11
1733	36.41	3.641E+01	1.161E-11
1743	37.92	3.792E+01	1.642E-11
1793	35.56	3.556E+01	9.552E-12
1841	37.83	3.783E+01	1.610E-11
1895	37.20	3.720E+01	1.393E-11
1904	36.54	3.654E+01	1.197E-11
1940	34.84	3.484E+01	8.093E-12
1957	35.71	3.571E+01	9.879E-12
2044	34.85	3.485E+01	8.109E-12
2058	36.58	3.658E+01	1.206E-11
2068	37.53	3.753E+01	1.502E-11
2118	35.48	3.548E+01	9.363E-12
2206	37.89	3.789E+01	1.633E-11
2220	37.18	3.718E+01	1.387E-11
2220	36.45	3.645E+01	1.172E-11
2274	35.52	3.552E+01	9.458E-12
2382	37.37	3.737E+01	1.446E-11
2382	36.64	3.664E+01	1.222E-11
2395	37.95	3.795E+01	1.656E-11
2436	35.19	3.519E+01	8.758E-12
2449	35.96	3.596E+01	1.047E-11
2530	34.46	3.446E+01	7.404E-12

2554	37.21	3.721E+01	1.395E-11
2598	35.26	3.526E+01	8.902E-12
2603	36.07	3.607E+01	1.073E-11
2649	37.66	3.766E+01	1.548E-11
2727	35.63	3.563E+01	9.707E-12
2744	36.97	3.697E+01	1.322E-11
2797	38.09	3.809E+01	1.709E-11
2868	39.33	3.933E+01	2.274E-11
2871	38.63	3.863E+01	1.936E-11
2896	37.25	3.725E+01	1.407E-11
3030	39.31	3.931E+01	2.263E-11
3030	38.58	3.858E+01	1.913E-11
3030	37.85	3.785E+01	1.617E-11
3044	36.84	3.684E+01	1.282E-11
3091	37.33	3.733E+01	1.434E-11
3172	37.03	3.703E+01	1.337E-11
3192	39.47	3.947E+01	2.349E-11
3192	38.60	3.860E+01	1.922E-11
3230	37.83	3.783E+01	1.610E-11
3341	40.32	4.032E+01	2.857E-11
3355	39.61	3.961E+01	2.427E-11
3355	38.88	3.888E+01	2.052E-11
3382	38.07	3.807E+01	1.700E-11
3445	37.70	3.770E+01	1.562E-11
3517	39.75	3.975E+01	2.502E-11
3517	39.03	3.903E+01	2.120E-11
3571	36.95	3.695E+01	1.314E-11
3584	38.32	3.832E+01	1.801E-11
3590	37.64	3.764E+01	1.539E-11
3679	39.65	3.965E+01	2.450E-11
3699	41.10	4.110E+01	3.416E-11
3739	38.40	3.840E+01	1.835E-11
3814	40.22	4.022E+01	2.792E-11
3841	37.84	3.784E+01	1.614E-11
3852	39.25	3.925E+01	2.234E-11
3976	38.20	3.820E+01	1.753E-11
3979	40.41	4.041E+01	2.914E-11
3996	38.99	3.899E+01	2.100E-11
4013	39.74	3.974E+01	2.499E-11
4138	38.53	3.853E+01	1.891E-11
4157	39.14	3.914E+01	2.178E-11
4165	39.78	3.978E+01	2.519E-11
4179	40.63	4.063E+01	3.065E-11
4314	39.02	3.902E+01	2.115E-11
4327	39.78	3.978E+01	2.519E-11
4338	40.75	4.075E+01	3.152E-11
4489	40.82	4.082E+01	3.205E-11
4489	39.84	3.984E+01	2.555E-11
4489	39.11	3.911E+01	2.160E-11

4503	38.68	3.868E+01	1.958E-11
4638	38.81	3.881E+01	2.017E-11
4652	39.61	3.961E+01	2.427E-11
4656	40.53	4.053E+01	2.999E-11
4711	38.43	3.843E+01	1.848E-11
4814	39.17	3.917E+01	2.190E-11
4820	40.19	4.019E+01	2.768E-11
4854	38.68	3.868E+01	1.958E-11
4895	41.11	4.111E+01	3.428E-11
4976	39.41	3.941E+01	2.316E-11
4989	40.24	4.024E+01	2.800E-11
5070	41.10	4.110E+01	3.417E-11
5130	41.89	4.189E+01	4.100E-11
5146	39.10	3.910E+01	2.154E-11
5146	39.81	3.981E+01	2.541E-11
5232	41.14	4.114E+01	3.449E-11
5264	39.23	3.923E+01	2.221E-11
5313	40.16	4.016E+01	2.753E-11
5389	41.77	4.177E+01	3.987E-11
5389	40.85	4.085E+01	3.223E-11
5465	42.38	4.238E+01	4.586E-11
5472	40.32	4.032E+01	2.857E-11
5557	41.15	4.115E+01	3.460E-11
5607	42.14	4.214E+01	4.340E-11
5638	40.41	4.041E+01	2.915E-11
5707	41.34	4.134E+01	3.610E-11
5770	42.37	4.237E+01	4.573E-11
5780	40.46	4.046E+01	2.949E-11
5878	41.25	4.125E+01	3.540E-11
5932	42.50	4.250E+01	4.716E-11
5962	40.67	4.067E+01	3.097E-11
6043	41.30	4.130E+01	3.580E-11
6084	42.78	4.278E+01	5.037E-11
6084	42.09	4.209E+01	4.288E-11
6165	40.95	4.095E+01	3.302E-11
6165	43.39	4.339E+01	5.793E-11
6209	41.44	4.144E+01	3.695E-11
6259	42.59	4.259E+01	4.813E-11
6259	41.68	4.168E+01	3.906E-11
6331	41.21	4.121E+01	3.508E-11
6354	43.67	4.367E+01	6.170E-11
6381	41.80	4.180E+01	4.012E-11
6419	42.48	4.248E+01	4.696E-11
6516	43.97	4.397E+01	6.617E-11
6516	43.24	4.324E+01	5.594E-11
6573	42.12	4.212E+01	4.320E-11
6637	44.52	4.452E+01	7.505E-11
6683	43.54	4.354E+01	5.999E-11
6732	42.04	4.204E+01	4.238E-11

6746	42.82	4.282E+01	5.072E-11
6840	43.87	4.387E+01	6.464E-11
6891	42.28	4.228E+01	4.480E-11
6904	43.13	4.313E+01	5.450E-11
6917	41.98	4.198E+01	4.189E-11
7010	44.00	4.400E+01	6.669E-11
7047	44.92	4.492E+01	8.239E-11
7067	42.87	4.287E+01	5.136E-11
7172	43.90	4.390E+01	6.505E-11
7217	42.90	4.290E+01	5.167E-11
7229	45.04	4.504E+01	8.465E-11
7337	44.18	4.418E+01	6.939E-11
7378	45.20	4.520E+01	8.779E-11
7391	43.22	4.322E+01	5.568E-11
7499	44.36	4.436E+01	7.237E-11
7556	45.64	4.564E+01	9.715E-11
7556	43.46	4.346E+01	5.885E-11
7661	44.64	4.464E+01	7.718E-11
7705	43.74	4.374E+01	6.274E-11
7718	45.95	4.595E+01	1.044E-10
7826	44.98	4.498E+01	8.342E-11
7867	46.18	4.618E+01	1.100E-10
7871	44.19	4.419E+01	6.955E-11
7880	45.57	4.557E+01	9.566E-11
7975	45.49	4.549E+01	9.389E-11
7979	46.38	4.638E+01	1.153E-10
7988	44.84	4.484E+01	8.087E-11
7988	44.19	4.419E+01	6.965E-11
8015	37.71	3.771E+01	1.565E-11
8015	38.44	3.844E+01	1.852E-11
8015	36.25	3.625E+01	1.119E-11
8015	36.98	3.698E+01	1.323E-11
8015	39.17	3.917E+01	2.190E-11
8015	40.63	4.063E+01	3.065E-11
8015	39.90	3.990E+01	2.591E-11
8015	41.36	4.136E+01	3.625E-11
8015	42.09	4.209E+01	4.288E-11
8015	42.82	4.282E+01	5.072E-11
8015	43.54	4.354E+01	5.999E-11
8029	35.49	3.549E+01	9.392E-12
8083	34.35	3.435E+01	7.216E-12
8083	33.62	3.362E+01	6.101E-12
8083	32.91	3.291E+01	5.182E-12
8097	32.36	3.236E+01	4.568E-12
8245	33.19	3.319E+01	5.531E-12
8247	32.39	3.239E+01	4.604E-12
8251	33.98	3.398E+01	6.626E-12
8259	31.87	3.187E+01	4.084E-12
8407	33.41	3.341E+01	5.823E-12

Calculate device radiated power from EMC test data

8407	32.69	3.269E+01	4.922E-12
8421	34.30	3.430E+01	7.137E-12
8436	32.00	3.200E+01	4.200E-12
8569	32.77	3.277E+01	5.015E-12
8574	33.62	3.362E+01	6.101E-12
8615	32.36	3.236E+01	4.568E-12
8677	34.29	3.429E+01	7.116E-12
8741	33.54	3.354E+01	5.996E-12
8760	31.99	3.199E+01	4.192E-12
8768	32.71	3.271E+01	4.949E-12
8848	34.01	3.401E+01	6.685E-12
8898	32.22	3.222E+01	4.422E-12
8931	33.10	3.310E+01	5.411E-12
8948	32.00	3.200E+01	4.200E-12
8977	34.91	3.491E+01	8.223E-12
9008	34.05	3.405E+01	6.736E-12
9089	32.81	3.281E+01	5.071E-12
9150	34.33	3.433E+01	7.189E-12
9164	33.58	3.358E+01	6.044E-12
9245	32.44	3.244E+01	4.649E-12
9299	34.67	3.467E+01	7.775E-12
9333	33.64	3.364E+01	6.129E-12
9353	31.67	3.167E+01	3.900E-12
9421	32.64	3.264E+01	4.874E-12
9502	33.40	3.340E+01	5.804E-12
9529	32.20	3.220E+01	4.405E-12
9579	34.36	3.436E+01	7.235E-12
9647	33.44	3.344E+01	5.857E-12
9664	32.64	3.264E+01	4.877E-12
9745	34.59	3.459E+01	7.627E-12
9812	32.49	3.249E+01	4.709E-12
9818	33.37	3.337E+01	5.759E-12
9893	35.25	3.525E+01	8.881E-12
9900	34.28	3.428E+01	7.099E-12
9968	32.99	3.299E+01	5.275E-12
10055	34.65	3.465E+01	7.739E-12
10055	33.92	3.392E+01	6.543E-12
10127	33.10	3.310E+01	5.415E-12
10204	35.40	3.540E+01	9.197E-12
10212	34.58	3.458E+01	7.622E-12
10218	33.74	3.374E+01	6.274E-12
10315	33.01	3.301E+01	5.306E-12
10380	34.10	3.410E+01	6.823E-12
10441	32.37	3.237E+01	4.576E-12
10461	34.80	3.480E+01	8.015E-12
10470	33.16	3.316E+01	5.491E-12
10542	33.96	3.396E+01	6.604E-12
10624	33.17	3.317E+01	5.510E-12
10633	34.67	3.467E+01	7.775E-12

10772	33.36	3.336E+01	5.755E-12
10783	34.95	3.495E+01	8.289E-12
10785	34.16	3.416E+01	6.920E-12
10922	33.22	3.322E+01	5.566E-12
10939	34.01	3.401E+01	6.685E-12
10961	34.78	3.478E+01	7.968E-12
11028	35.89	3.589E+01	1.029E-11
11084	33.37	3.337E+01	5.768E-12
11109	35.04	3.504E+01	8.457E-12
11109	34.31	3.431E+01	7.149E-12
11243	33.36	3.336E+01	5.746E-12
11282	34.71	3.471E+01	7.848E-12
11363	32.29	3.229E+01	4.498E-12
11366	35.10	3.510E+01	8.576E-12
11413	32.97	3.297E+01	5.255E-12
11414	33.81	3.381E+01	6.372E-12
11501	31.45	3.145E+01	3.703E-12
11509	32.18	3.218E+01	4.381E-12
11569	33.25	3.325E+01	5.609E-12
11574	34.08	3.408E+01	6.787E-12
11650	34.94	3.494E+01	8.281E-12
11677	32.66	3.266E+01	4.900E-12
11731	33.29	3.329E+01	5.662E-12
11744	34.24	3.424E+01	7.039E-12
11771	32.79	3.279E+01	5.039E-12
11890	33.53	3.353E+01	5.977E-12
11894	35.06	3.506E+01	8.509E-12
11895	34.08	3.408E+01	6.787E-12
11902	36.17	3.617E+01	1.099E-11
12001	35.89	3.589E+01	1.029E-11
12050	33.39	3.339E+01	5.795E-12
12052	34.96	3.496E+01	8.316E-12
12055	34.27	3.427E+01	7.083E-12
12109	33.14	3.314E+01	5.461E-12
12217	34.22	3.422E+01	7.017E-12
12225	35.10	3.510E+01	8.589E-12
12226	33.62	3.362E+01	6.101E-12
12370	34.10	3.410E+01	6.814E-12
12371	35.55	3.555E+01	9.511E-12
12379	34.87	3.487E+01	8.147E-12
12416	33.43	3.343E+01	5.846E-12
12514	32.72	3.272E+01	4.960E-12
12541	34.27	3.427E+01	7.083E-12
12555	35.24	3.524E+01	8.860E-12
12586	33.53	3.353E+01	5.974E-12
12685	33.22	3.322E+01	5.573E-12
12698	35.12	3.512E+01	8.617E-12
12703	34.33	3.433E+01	7.183E-12
12779	33.64	3.364E+01	6.129E-12

12852	33.41	3.341E+01	5.823E-12
12866	34.53	3.453E+01	7.526E-12
12867	35.30	3.530E+01	8.979E-12
12940	33.83	3.383E+01	6.414E-12
13022	35.96	3.596E+01	1.045E-11
13028	35.12	3.512E+01	8.616E-12
13036	34.38	3.438E+01	7.270E-12
13082	33.87	3.387E+01	6.467E-12
13183	36.33	3.633E+01	1.139E-11
13190	35.42	3.542E+01	9.240E-12
13190	34.69	3.469E+01	7.812E-12
13263	34.05	3.405E+01	6.739E-12
13352	36.22	3.622E+01	1.111E-11
13359	35.25	3.525E+01	8.881E-12
13408	33.59	3.359E+01	6.056E-12
13419	34.50	3.450E+01	7.482E-12
13446	36.13	3.613E+01	1.088E-11
13516	33.16	3.316E+01	5.491E-12
13576	34.55	3.455E+01	7.561E-12
13576	33.67	3.367E+01	6.181E-12
13628	35.28	3.528E+01	8.943E-12
13649	33.09	3.309E+01	5.404E-12
13726	34.10	3.410E+01	6.823E-12
13786	35.10	3.510E+01	8.593E-12
13798	36.71	3.671E+01	1.243E-11
13825	35.85	3.585E+01	1.019E-11
13903	34.41	3.441E+01	7.321E-12
13951	37.13	3.713E+01	1.371E-11
13973	35.30	3.530E+01	8.985E-12
13975	36.06	3.606E+01	1.071E-11
14054	37.47	3.747E+01	1.480E-11
14056	34.49	3.449E+01	7.456E-12
14135	35.78	3.578E+01	1.005E-11
14135	35.06	3.506E+01	8.496E-12
14146	36.66	3.666E+01	1.230E-11
14210	37.63	3.763E+01	1.538E-11
14219	34.73	3.473E+01	7.885E-12
14298	36.35	3.635E+01	1.144E-11
14298	35.40	3.540E+01	9.197E-12
14433	34.82	3.482E+01	8.052E-12
14446	35.60	3.560E+01	9.637E-12
14481	36.29	3.629E+01	1.128E-11
14554	36.86	3.686E+01	1.287E-11
14574	34.29	3.429E+01	7.131E-12
14622	35.70	3.570E+01	9.864E-12
14622	35.13	3.513E+01	8.636E-12
14644	33.66	3.366E+01	6.158E-12
14689	34.31	3.431E+01	7.149E-12
14779	36.51	3.651E+01	1.187E-11

14784	34.81	3.481E+01	8.034E-12
14784	35.54	3.554E+01	9.503E-12
14945	34.35	3.435E+01	7.216E-12
14946	35.10	3.510E+01	8.576E-12
14948	36.01	3.601E+01	1.058E-11
15027	36.72	3.672E+01	1.246E-11
15105	35.65	3.565E+01	9.751E-12
15106	34.06	3.406E+01	6.760E-12
15108	34.81	3.481E+01	8.034E-12
15196	33.58	3.358E+01	6.055E-12
15270	35.22	3.522E+01	8.819E-12
15270	34.49	3.449E+01	7.456E-12
15348	33.56	3.356E+01	6.021E-12
15432	34.89	3.489E+01	8.185E-12
15432	35.62	3.562E+01	9.682E-12
15435	34.21	3.421E+01	6.991E-12
15535	33.70	3.370E+01	6.216E-12
15601	35.07	3.507E+01	8.521E-12
15608	34.09	3.409E+01	6.807E-12
15673	33.69	3.369E+01	6.198E-12
15743	34.55	3.455E+01	7.561E-12
15768	35.31	3.531E+01	9.006E-12
15801	36.18	3.618E+01	1.101E-11
15896	37.03	3.703E+01	1.340E-11
15950	35.95	3.595E+01	1.045E-11
15983	35.28	3.528E+01	8.943E-12
16049	37.69	3.769E+01	1.558E-11
16062	36.86	3.686E+01	1.287E-11
16076	38.60	3.860E+01	1.922E-11
16135	35.88	3.588E+01	1.027E-11
16219	36.49	3.649E+01	1.183E-11
16221	37.32	3.732E+01	1.430E-11
16311	35.80	3.580E+01	1.008E-11
16375	37.25	3.725E+01	1.409E-11
16386	36.37	3.637E+01	1.151E-11
16446	37.79	3.779E+01	1.595E-11
16452	35.40	3.540E+01	9.197E-12
16543	36.00	3.600E+01	1.055E-11
16551	36.79	3.679E+01	1.265E-11
16594	37.75	3.775E+01	1.580E-11
16692	35.19	3.519E+01	8.773E-12
16694	36.71	3.671E+01	1.244E-11
16702	36.01	3.601E+01	1.058E-11
16743	34.67	3.467E+01	7.775E-12
16865	35.31	3.531E+01	9.006E-12
16867	36.20	3.620E+01	1.106E-11
16893	37.27	3.727E+01	1.414E-11
17020	35.43	3.543E+01	9.262E-12
17032	36.45	3.645E+01	1.170E-11

17051	37.37	3.737E+01	1.447E-11
17143	35.16	3.516E+01	8.697E-12
17184	36.63	3.663E+01	1.221E-11
17202	35.59	3.559E+01	9.611E-12
17297	36.94	3.694E+01	1.311E-11
17306	37.73	3.773E+01	1.571E-11
17340	35.89	3.589E+01	1.029E-11
17459	37.12	3.712E+01	1.367E-11
17465	38.15	3.815E+01	1.733E-11
17467	36.51	3.651E+01	1.187E-11
17611	36.12	3.612E+01	1.086E-11
17619	38.53	3.853E+01	1.893E-11
17621	37.57	3.757E+01	1.515E-11
17621	36.84	3.684E+01	1.281E-11
17662	35.69	3.569E+01	9.836E-12
17783	36.68	3.668E+01	1.234E-11
17790	35.86	3.586E+01	1.023E-11
17801	37.49	3.749E+01	1.487E-11
17874	38.39	3.839E+01	1.833E-11
17948	39.03	3.903E+01	2.124E-11
17949	36.75	3.675E+01	1.256E-11
17952	37.63	3.763E+01	1.538E-11
18013	38.44	3.844E+01	1.852E-11
18013	39.90	3.990E+01	2.591E-11
18013	41.36	4.136E+01	3.625E-11
18013	42.09	4.209E+01	4.288E-11
18013	42.82	4.282E+01	5.072E-11
18013	40.63	4.063E+01	3.065E-11
18026	43.57	4.357E+01	6.042E-11
18026	47.19	4.719E+01	1.389E-10
18053	46.10	4.610E+01	1.080E-10
18080	44.76	4.476E+01	7.937E-11
18080	45.49	4.549E+01	9.389E-11
18094	44.05	4.405E+01	6.745E-11
18229	44.02	4.402E+01	6.697E-11
18243	44.68	4.468E+01	7.791E-11
18253	45.64	4.564E+01	9.709E-11
18405	44.86	4.486E+01	8.125E-11
18405	44.24	4.424E+01	7.047E-11
18411	45.90	4.590E+01	1.032E-10
18472	46.89	4.689E+01	1.295E-10
18558	44.12	4.412E+01	6.853E-11
18567	45.55	4.555E+01	9.521E-11
18573	46.32	4.632E+01	1.138E-10
18576	44.77	4.477E+01	7.953E-11
18651	47.07	4.707E+01	1.351E-10
18715	44.08	4.408E+01	6.781E-11
18729	44.86	4.486E+01	8.125E-11
18735	45.90	4.590E+01	1.032E-10

18871	43.79	4.379E+01	6.345E-11
18891	44.82	4.482E+01	8.049E-11
18901	45.73	4.573E+01	9.929E-11
18905	44.19	4.419E+01	6.965E-11
18948	46.64	4.664E+01	1.225E-10
19049	44.07	4.407E+01	6.773E-11
19053	44.44	4.444E+01	7.366E-11
19059	45.45	4.545E+01	9.294E-11
19148	46.28	4.628E+01	1.126E-10
19206	44.55	4.455E+01	7.565E-11
19229	45.49	4.549E+01	9.389E-11
19229	44.20	4.420E+01	6.973E-11
19328	46.31	4.631E+01	1.135E-10
19389	45.08	4.508E+01	8.552E-11
19458	46.79	4.679E+01	1.266E-10
19472	44.58	4.458E+01	7.611E-11
19503	46.10	4.610E+01	1.080E-10
19553	45.26	4.526E+01	8.909E-11
19621	47.01	4.701E+01	1.332E-10
19634	44.42	4.442E+01	7.344E-11
19657	46.30	4.630E+01	1.132E-10
19715	45.47	4.547E+01	9.356E-11
19769	46.90	4.690E+01	1.300E-10
19788	44.58	4.458E+01	7.611E-11
19873	44.00	4.400E+01	6.663E-11
19877	45.84	4.584E+01	1.018E-10
19958	44.81	4.481E+01	8.037E-11
20024	45.98	4.598E+01	1.050E-10
20053	44.29	4.429E+01	7.130E-11
20116	44.94	4.494E+01	8.278E-11
20188	45.97	4.597E+01	1.049E-10
20191	44.05	4.405E+01	6.738E-11
20283	45.11	4.511E+01	8.606E-11
20319	46.66	4.666E+01	1.231E-10
20355	44.19	4.419E+01	6.969E-11
20364	47.68	4.768E+01	1.554E-10
20377	43.79	4.379E+01	6.345E-11
20411	45.85	4.585E+01	1.019E-10
20472	46.58	4.658E+01	1.208E-10
20499	45.23	4.523E+01	8.850E-11
20522	44.30	4.430E+01	7.146E-11
20630	46.18	4.618E+01	1.102E-10
20647	45.41	4.541E+01	9.215E-11
20673	44.52	4.452E+01	7.505E-11
20778	47.13	4.713E+01	1.370E-10
20779	46.10	4.610E+01	1.082E-10
20835	44.16	4.416E+01	6.911E-11
20843	45.16	4.516E+01	8.693E-11
20953	45.83	4.583E+01	1.015E-10

21005	44.96	4.496E+01	8.309E-11
21012	44.33	4.433E+01	7.197E-11
21026	46.48	4.648E+01	1.180E-10
21151	44.73	4.473E+01	7.874E-11
21167	45.82	4.582E+01	1.013E-10
21197	44.20	4.420E+01	6.970E-11
21300	46.94	4.694E+01	1.312E-10
21323	44.90	4.490E+01	8.201E-11
21334	45.88	4.588E+01	1.027E-10
21350	44.14	4.414E+01	6.889E-11
21485	45.04	4.504E+01	8.473E-11
21498	46.00	4.600E+01	1.057E-10
21502	44.29	4.429E+01	7.125E-11
21603	46.96	4.696E+01	1.318E-10
21643	45.79	4.579E+01	1.005E-10
21655	44.73	4.473E+01	7.876E-11
21728	44.26	4.426E+01	7.072E-11
21742	47.31	4.731E+01	1.429E-10
21755	46.33	4.633E+01	1.138E-10
21820	45.29	4.529E+01	8.978E-11
21860	44.09	4.409E+01	6.796E-11
21915	46.29	4.629E+01	1.129E-10
21971	45.51	4.551E+01	9.433E-11
21979	44.78	4.478E+01	7.982E-11
22039	43.89	4.389E+01	6.498E-11
22066	46.09	4.609E+01	1.077E-10
22142	44.32	4.432E+01	7.176E-11
22142	43.53	4.353E+01	5.983E-11
22147	45.29	4.529E+01	8.961E-11
22201	46.48	4.648E+01	1.180E-10
22292	43.76	4.376E+01	6.312E-11
22296	44.52	4.452E+01	7.505E-11
22302	45.56	4.556E+01	9.533E-11
22440	46.17	4.617E+01	1.097E-10
22444	44.44	4.444E+01	7.378E-11
22468	45.29	4.529E+01	8.971E-11
22579	46.59	4.659E+01	1.210E-10
22610	44.39	4.439E+01	7.283E-11
22626	45.36	4.536E+01	9.106E-11
22714	44.16	4.416E+01	6.920E-11
22748	46.63	4.663E+01	1.221E-10
22782	44.71	4.471E+01	7.845E-11
22795	45.54	4.554E+01	9.506E-11
22918	46.34	4.634E+01	1.142E-10
22943	45.20	4.520E+01	8.776E-11
22990	47.54	4.754E+01	1.507E-10
23066	44.42	4.442E+01	7.332E-11
23093	46.34	4.634E+01	1.142E-10
23116	45.37	4.537E+01	9.130E-11

23214	43.88	4.388E+01	6.479E-11
23225	44.66	4.466E+01	7.761E-11
23241	46.79	4.679E+01	1.266E-10
23278	46.05	4.605E+01	1.067E-10
23282	45.33	4.533E+01	9.045E-11
23376	44.32	4.432E+01	7.180E-11
23430	45.27	4.527E+01	8.919E-11
23444	46.13	4.613E+01	1.087E-10
23514	46.79	4.679E+01	1.267E-10
23545	44.38	4.438E+01	7.279E-11
23603	45.66	4.566E+01	9.764E-11
23674	46.52	4.652E+01	1.191E-10
23701	44.50	4.450E+01	7.474E-11
23765	45.61	4.561E+01	9.655E-11
23837	46.84	4.684E+01	1.280E-10
23866	44.79	4.479E+01	7.988E-11
23917	45.89	4.589E+01	1.031E-10
23946	44.10	4.410E+01	6.824E-11
23993	46.54	4.654E+01	1.197E-10
24028	44.87	4.487E+01	8.134E-11
24085	43.86	4.386E+01	6.451E-11
24088	45.65	4.565E+01	9.752E-11
24092	42.94	4.294E+01	5.216E-11
24152	46.36	4.636E+01	1.148E-10
24203	45.08	4.508E+01	8.552E-11
24242	43.89	4.389E+01	6.492E-11
24322	47.19	4.719E+01	1.389E-10
24328	46.14	4.614E+01	1.091E-10
24354	44.86	4.486E+01	8.125E-11
24484	45.57	4.557E+01	9.566E-11
24484	47.25	4.725E+01	1.409E-10
24495	46.50	4.650E+01	1.184E-10
24495	44.30	4.430E+01	7.146E-11
24525	45.06	4.506E+01	8.513E-11
24646	44.29	4.429E+01	7.126E-11
24660	46.21	4.621E+01	1.107E-10
24683	45.23	4.523E+01	8.842E-11
24730	46.92	4.692E+01	1.306E-10
24813	44.44	4.444E+01	7.366E-11
24842	45.83	4.583E+01	1.016E-10
24849	44.92	4.492E+01	8.239E-11
24849	47.02	4.702E+01	1.336E-10
24966	44.29	4.429E+01	7.130E-11
24998	45.25	4.525E+01	8.878E-11
25003	46.01	4.601E+01	1.059E-10
25119	46.72	4.672E+01	1.246E-10
25133	44.62	4.462E+01	7.682E-11
25152	43.95	4.395E+01	6.580E-11
25173	45.87	4.587E+01	1.025E-10

25306	44.86	4.486E+01	8.128E-11
25322	44.26	4.426E+01	7.072E-11
25331	45.80	4.580E+01	1.009E-10
25457	46.60	4.660E+01	1.212E-10
25484	44.86	4.486E+01	8.125E-11
25484	44.21	4.421E+01	6.998E-11
25491	45.69	4.569E+01	9.826E-11
25632	43.77	4.377E+01	6.315E-11
25632	46.63	4.663E+01	1.221E-10
25636	44.33	4.433E+01	7.197E-11
25646	45.83	4.583E+01	1.016E-10
25646	45.10	4.510E+01	8.592E-11
25800	44.61	4.461E+01	7.675E-11
25802	46.10	4.610E+01	1.080E-10
25808	46.95	4.695E+01	1.314E-10
25814	45.23	4.523E+01	8.842E-11
25957	44.67	4.467E+01	7.772E-11
25970	45.45	4.545E+01	9.302E-11
25981	46.41	4.641E+01	1.161E-10
26078	47.56	4.756E+01	1.511E-10
26089	44.13	4.413E+01	6.872E-11
26092	46.75	4.675E+01	1.254E-10
26132	45.85	4.585E+01	1.021E-10
26132	45.12	4.512E+01	8.633E-11
26227	43.52	4.352E+01	5.966E-11
26251	44.28	4.428E+01	7.106E-11
26308	45.38	4.538E+01	9.158E-11
26376	48.04	4.804E+01	1.690E-10
26376	47.31	4.731E+01	1.429E-10
26383	46.47	4.647E+01	1.177E-10
26413	44.37	4.437E+01	7.260E-11
26463	45.76	4.576E+01	9.999E-11
26470	45.08	4.508E+01	8.552E-11
26557	44.42	4.442E+01	7.344E-11
26602	46.40	4.640E+01	1.158E-10
26629	45.47	4.547E+01	9.356E-11
26727	45.05	4.505E+01	8.493E-11
26760	46.67	4.667E+01	1.232E-10
26794	45.78	4.578E+01	1.003E-10
26845	47.47	4.747E+01	1.481E-10
26889	47.97	4.797E+01	1.661E-10
26929	46.53	4.653E+01	1.193E-10
26943	45.59	4.559E+01	9.605E-11
27030	45.06	4.506E+01	8.513E-11
27051	47.45	4.745E+01	1.476E-10
27088	46.74	4.674E+01	1.252E-10
27115	45.96	4.596E+01	1.046E-10
27186	44.91	4.491E+01	8.220E-11
27240	47.13	4.713E+01	1.370E-10

27267	46.30	4.630E+01	1.131E-10
27291	45.61	4.561E+01	9.655E-11
27362	45.23	4.523E+01	8.836E-11
27408	47.24	4.724E+01	1.403E-10
27443	45.96	4.596E+01	1.047E-10
27517	45.31	4.531E+01	9.003E-11
27564	46.99	4.699E+01	1.326E-10
27564	47.72	4.772E+01	1.568E-10
27601	46.27	4.627E+01	1.124E-10
27686	45.76	4.576E+01	9.991E-11
27733	47.37	4.737E+01	1.447E-10
27760	48.31	4.831E+01	1.799E-10
27794	48.89	4.889E+01	2.056E-10
27835	46.27	4.627E+01	1.123E-10
27844	45.45	4.545E+01	9.295E-11
27848	48.16	4.816E+01	1.738E-10
27889	47.23	4.723E+01	1.402E-10
27997	45.31	4.531E+01	9.018E-11
28001	46.31	4.631E+01	1.135E-10
28010	44.21	4.421E+01	6.998E-11
28016	44.80	4.480E+01	8.004E-11
28060	47.17	4.717E+01	1.383E-10
28170	45.95	4.595E+01	1.044E-10
28172	47.83	4.783E+01	1.610E-10
28196	45.12	4.512E+01	8.615E-11
28213	46.99	4.699E+01	1.326E-10
28325	46.27	4.627E+01	1.124E-10
28340	47.65	4.765E+01	1.545E-10
28352	45.34	4.534E+01	9.073E-11
28361	48.89	4.889E+01	2.056E-10
28452	46.95	4.695E+01	1.314E-10
28486	44.79	4.479E+01	7.993E-11
28518	45.85	4.585E+01	1.021E-10
28617	47.37	4.737E+01	1.449E-10
28626	46.41	4.641E+01	1.161E-10
28659	45.15	4.515E+01	8.673E-11
28672	45.79	4.579E+01	1.007E-10
28780	46.85	4.685E+01	1.285E-10
28821	45.07	4.507E+01	8.527E-11
28844	45.94	4.594E+01	1.042E-10
28915	47.40	4.740E+01	1.459E-10
28929	44.21	4.421E+01	6.998E-11
28964	46.57	4.657E+01	1.203E-10
28980	45.02	4.502E+01	8.430E-11
29010	45.64	4.564E+01	9.709E-11
29078	47.59	4.759E+01	1.524E-10
29115	46.66	4.666E+01	1.229E-10
29156	45.61	4.561E+01	9.655E-11
29199	45.00	4.500E+01	8.394E-11

29267	46.75	4.675E+01	1.254E-10
29272	47.70	4.770E+01	1.562E-10
29321	48.35	4.835E+01	1.812E-10
29323	45.71	4.571E+01	9.872E-11
29415	44.15	4.415E+01	6.901E-11
29437	46.39	4.639E+01	1.155E-10
29438	47.21	4.721E+01	1.395E-10
29450	45.02	4.502E+01	8.428E-11
29523	45.62	4.562E+01	9.672E-11
29591	46.75	4.675E+01	1.254E-10
29598	47.50	4.750E+01	1.490E-10
29604	46.04	4.604E+01	1.065E-10
29651	44.85	4.485E+01	8.111E-11
29747	46.97	4.697E+01	1.319E-10
29753	46.18	4.618E+01	1.100E-10
29761	45.51	4.551E+01	9.441E-11
29794	44.73	4.473E+01	7.882E-11
29909	45.47	4.547E+01	9.351E-11
29915	46.22	4.622E+01	1.111E-10
29920	47.16	4.716E+01	1.381E-10
30001	47.92	4.792E+01	1.643E-10
30010	46.83	4.683E+01	1.277E-10
30010	49.01	4.901E+01	2.114E-10
30010	45.84	4.584E+01	1.018E-10