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FCC ID: BCGA2485 (Configuration 1, Figure/Page 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:  $8.498\text{E-}07 \text{ W/m}^2$   
Device radiated power: 0.0586 mW

## EMC test spectral plot

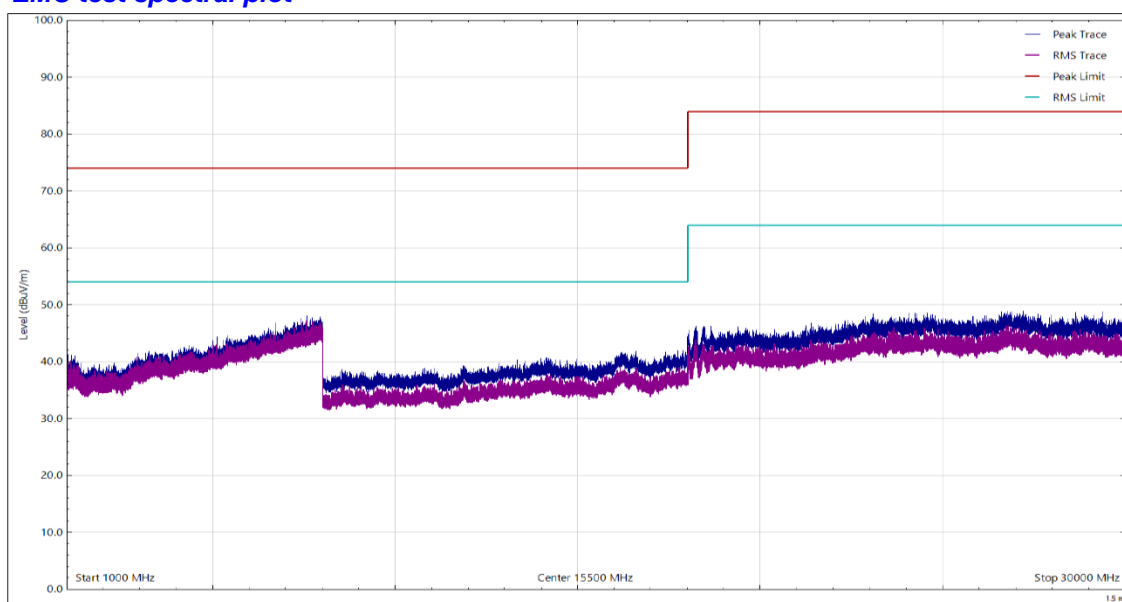
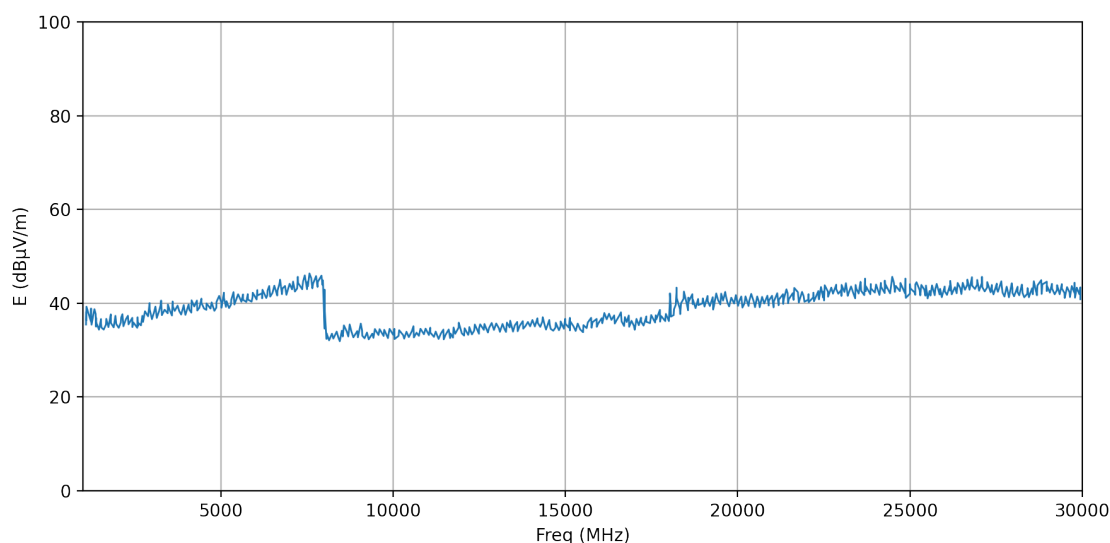


Figure 8 - 1 GHz to 30 GHz, Peak, Vertical

## 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)
1082	35.45	3.545E+01	9.314E-12
1087	38.16	3.816E+01	1.736E-11
1087	37.24	3.724E+01	1.404E-11
1087	36.32	3.632E+01	1.136E-11
1094	39.26	3.926E+01	2.239E-11
1226	36.08	3.608E+01	1.076E-11
1228	38.88	3.888E+01	2.048E-11
1231	37.95	3.795E+01	1.656E-11
1231	37.03	3.703E+01	1.340E-11
1243	35.42	3.542E+01	9.243E-12
1326	38.72	3.872E+01	1.977E-11
1362	37.72	3.772E+01	1.571E-11
1372	35.00	3.500E+01	8.398E-12
1374	36.88	3.688E+01	1.293E-11
1374	35.96	3.596E+01	1.046E-11
1458	34.37	3.437E+01	7.249E-12
1517	36.62	3.662E+01	1.219E-11
1517	35.70	3.570E+01	9.862E-12
1529	34.81	3.481E+01	8.025E-12
1595	34.38	3.438E+01	7.265E-12
1661	35.45	3.545E+01	9.298E-12
1670	36.67	3.667E+01	1.231E-11
1733	34.91	3.491E+01	8.216E-12
1802	37.62	3.762E+01	1.532E-11
1804	36.70	3.670E+01	1.241E-11
1804	35.78	3.578E+01	1.004E-11
1886	34.85	3.485E+01	8.096E-12
1936	37.31	3.731E+01	1.428E-11
1948	36.42	3.642E+01	1.163E-11
1960	35.58	3.558E+01	9.576E-12
2031	34.75	3.475E+01	7.915E-12
2091	35.86	3.586E+01	1.022E-11
2103	36.96	3.696E+01	1.316E-11
2139	37.65	3.765E+01	1.543E-11
2168	35.09	3.509E+01	8.567E-12
2240	36.57	3.657E+01	1.205E-11
2298	37.32	3.732E+01	1.431E-11
2316	35.49	3.549E+01	9.392E-12
2426	36.88	3.688E+01	1.293E-11
2429	34.91	3.491E+01	8.222E-12
2458	35.89	3.589E+01	1.030E-11
2569	34.76	3.476E+01	7.931E-12
2579	37.00	3.700E+01	1.330E-11
2593	35.15	3.515E+01	8.689E-12
2602	35.78	3.578E+01	1.005E-11
2677	35.27	3.527E+01	8.922E-12

2717	37.31	3.731E+01	1.428E-11
2738	36.01	3.601E+01	1.058E-11
2793	38.28	3.828E+01	1.786E-11
2883	37.22	3.722E+01	1.397E-11
2928	40.03	4.003E+01	2.669E-11
2931	38.68	3.868E+01	1.959E-11
2995	36.60	3.660E+01	1.212E-11
3053	37.97	3.797E+01	1.662E-11
3097	39.28	3.928E+01	2.245E-11
3136	36.86	3.686E+01	1.288E-11
3200	38.25	3.825E+01	1.771E-11
3243	39.47	3.947E+01	2.347E-11
3262	40.56	4.056E+01	3.021E-11
3284	37.46	3.746E+01	1.478E-11
3363	38.61	3.861E+01	1.926E-11
3453	37.85	3.785E+01	1.618E-11
3459	39.73	3.973E+01	2.491E-11
3513	38.45	3.845E+01	1.858E-11
3577	37.37	3.737E+01	1.449E-11
3597	40.37	4.037E+01	2.890E-11
3597	39.41	3.941E+01	2.317E-11
3657	38.35	3.835E+01	1.813E-11
3740	39.49	3.949E+01	2.359E-11
3788	38.32	3.832E+01	1.800E-11
3844	37.58	3.758E+01	1.521E-11
3919	39.61	3.961E+01	2.422E-11
3940	38.46	3.846E+01	1.860E-11
3967	37.52	3.752E+01	1.498E-11
4060	39.74	3.974E+01	2.496E-11
4083	38.59	3.859E+01	1.918E-11
4139	38.00	3.800E+01	1.674E-11
4147	40.62	4.062E+01	3.057E-11
4224	39.31	3.931E+01	2.262E-11
4302	40.56	4.056E+01	3.021E-11
4311	38.45	3.845E+01	1.855E-11
4374	39.05	3.905E+01	2.131E-11
4433	40.97	4.097E+01	3.320E-11
4433	40.05	4.005E+01	2.685E-11
4510	38.85	3.885E+01	2.037E-11
4577	38.59	3.859E+01	1.916E-11
4578	39.95	3.995E+01	2.623E-11
4696	38.85	3.885E+01	2.036E-11
4729	40.17	4.017E+01	2.758E-11
4808	38.38	3.838E+01	1.825E-11
4866	39.08	3.908E+01	2.144E-11
4869	40.27	4.027E+01	2.824E-11
4947	41.56	4.156E+01	3.801E-11
5012	40.08	4.008E+01	2.700E-11
5014	39.03	3.903E+01	2.121E-11

## Calculate device radiated power from EMC test data

5085	42.25	4.225E+01	4.457E-11
5086	41.15	4.115E+01	3.455E-11
5144	39.22	3.922E+01	2.217E-11
5162	40.43	4.043E+01	2.929E-11
5234	38.97	3.897E+01	2.092E-11
5288	39.68	3.968E+01	2.465E-11
5299	40.75	4.075E+01	3.150E-11
5364	42.36	4.236E+01	4.571E-11
5389	39.72	3.972E+01	2.487E-11
5443	40.80	4.080E+01	3.191E-11
5497	41.91	4.191E+01	4.116E-11
5593	40.32	4.032E+01	2.854E-11
5640	41.88	4.188E+01	4.088E-11
5640	40.72	4.072E+01	3.130E-11
5736	40.28	4.028E+01	2.829E-11
5777	41.93	4.193E+01	4.139E-11
5784	40.77	4.077E+01	3.167E-11
5888	40.33	4.033E+01	2.865E-11
5915	41.26	4.126E+01	3.542E-11
5922	42.24	4.224E+01	4.439E-11
6035	40.80	4.080E+01	3.186E-11
6055	42.80	4.280E+01	5.054E-11
6059	41.67	4.167E+01	3.892E-11
6190	42.10	4.210E+01	4.302E-11
6194	41.04	4.104E+01	3.369E-11
6204	42.87	4.287E+01	5.134E-11
6314	41.12	4.112E+01	3.431E-11
6345	41.70	4.170E+01	3.921E-11
6353	42.71	4.271E+01	4.956E-11
6400	43.67	4.367E+01	6.170E-11
6429	41.41	4.141E+01	3.669E-11
6494	42.19	4.219E+01	4.393E-11
6549	43.73	4.373E+01	6.263E-11
6632	41.64	4.164E+01	3.869E-11
6642	42.70	4.270E+01	4.938E-11
6697	44.13	4.413E+01	6.860E-11
6716	45.02	4.502E+01	8.421E-11
6770	41.93	4.193E+01	4.139E-11
6784	43.13	4.313E+01	5.455E-11
6859	43.67	4.367E+01	6.181E-11
6899	41.79	4.179E+01	4.008E-11
6926	42.48	4.248E+01	4.691E-11
6992	44.15	4.415E+01	6.893E-11
7062	42.96	4.296E+01	5.249E-11
7093	44.62	4.462E+01	7.682E-11
7146	42.48	4.248E+01	4.700E-11
7211	43.15	4.315E+01	5.475E-11
7230	45.63	4.563E+01	9.700E-11
7238	44.34	4.434E+01	7.201E-11

7358	42.98	4.298E+01	5.272E-11
7367	43.71	4.371E+01	6.236E-11
7385	44.69	4.469E+01	7.812E-11
7433	45.94	4.594E+01	1.041E-10
7498	42.99	4.299E+01	5.278E-11
7520	44.57	4.457E+01	7.604E-11
7522	43.64	4.364E+01	6.126E-11
7568	46.35	4.635E+01	1.144E-10
7619	45.36	4.536E+01	9.102E-11
7653	43.17	4.317E+01	5.510E-11
7672	44.14	4.414E+01	6.878E-11
7760	45.78	4.578E+01	1.005E-10
7803	43.47	4.347E+01	5.896E-11
7810	44.54	4.454E+01	7.544E-11
7917	45.88	4.588E+01	1.027E-10
7947	43.89	4.389E+01	6.498E-11
7959	44.88	4.488E+01	8.165E-11
8006	34.58	3.458E+01	7.610E-12
8006	35.50	3.550E+01	9.408E-12
8006	36.42	3.642E+01	1.163E-11
8006	37.34	3.734E+01	1.438E-11
8006	38.26	3.826E+01	1.778E-11
8006	40.10	4.010E+01	2.717E-11
8006	41.03	4.103E+01	3.359E-11
8006	41.95	4.195E+01	4.153E-11
8006	42.87	4.287E+01	5.134E-11
8006	39.18	3.918E+01	2.198E-11
8061	32.39	3.239E+01	4.598E-12
8066	33.58	3.358E+01	6.048E-12
8138	32.08	3.208E+01	4.285E-12
8222	33.50	3.350E+01	5.942E-12
8261	32.45	3.245E+01	4.667E-12
8359	33.94	3.394E+01	6.577E-12
8406	32.72	3.272E+01	4.962E-12
8449	31.89	3.189E+01	4.099E-12
8508	34.13	3.413E+01	6.871E-12
8536	32.91	3.291E+01	5.184E-12
8568	35.27	3.527E+01	8.922E-12
8649	33.99	3.399E+01	6.653E-12
8696	32.91	3.291E+01	5.184E-12
8735	35.46	3.546E+01	9.325E-12
8787	33.95	3.395E+01	6.581E-12
8843	32.72	3.272E+01	4.960E-12
8956	34.05	3.405E+01	6.746E-12
8974	32.72	3.272E+01	4.965E-12
9058	35.65	3.565E+01	9.747E-12
9095	34.20	3.420E+01	6.980E-12
9102	33.06	3.306E+01	5.371E-12
9168	32.52	3.252E+01	4.739E-12

9237	33.73	3.373E+01	6.265E-12
9288	32.29	3.229E+01	4.493E-12
9393	33.50	3.350E+01	5.942E-12
9426	32.61	3.261E+01	4.838E-12
9468	34.49	3.449E+01	7.458E-12
9572	33.21	3.321E+01	5.561E-12
9604	34.47	3.447E+01	7.420E-12
9721	33.01	3.301E+01	5.310E-12
9739	34.32	3.432E+01	7.175E-12
9847	32.55	3.255E+01	4.772E-12
9868	33.54	3.354E+01	5.995E-12
9895	34.53	3.453E+01	7.521E-12
9999	33.25	3.325E+01	5.608E-12
10035	34.53	3.453E+01	7.522E-12
10038	32.35	3.235E+01	4.558E-12
10155	33.03	3.303E+01	5.325E-12
10172	34.24	3.424E+01	7.041E-12
10289	33.18	3.318E+01	5.520E-12
10319	32.45	3.245E+01	4.660E-12
10385	33.91	3.391E+01	6.529E-12
10453	32.77	3.277E+01	5.019E-12
10540	34.01	3.401E+01	6.685E-12
10588	35.09	3.509E+01	8.562E-12
10600	32.70	3.270E+01	4.935E-12
10677	33.71	3.371E+01	6.235E-12
10745	33.04	3.304E+01	5.344E-12
10791	34.55	3.455E+01	7.556E-12
10892	33.38	3.338E+01	5.772E-12
10939	34.58	3.458E+01	7.610E-12
11037	33.21	3.321E+01	5.558E-12
11076	34.77	3.477E+01	7.964E-12
11078	33.73	3.373E+01	6.265E-12
11183	32.82	3.282E+01	5.077E-12
11233	33.94	3.394E+01	6.577E-12
11317	32.38	3.238E+01	4.585E-12
11383	33.52	3.352E+01	5.972E-12
11456	34.37	3.437E+01	7.260E-12
11466	32.29	3.229E+01	4.498E-12
11520	33.25	3.325E+01	5.610E-12
11611	34.39	3.439E+01	7.294E-12
11651	32.56	3.256E+01	4.778E-12
11663	33.52	3.352E+01	5.968E-12
11735	32.66	3.266E+01	4.892E-12
11752	34.82	3.482E+01	8.045E-12
11800	33.48	3.348E+01	5.913E-12
11900	34.82	3.482E+01	8.039E-12
11902	35.84	3.584E+01	1.019E-11
11991	33.57	3.357E+01	6.038E-12
12058	33.09	3.309E+01	5.407E-12

12073	34.65	3.465E+01	7.746E-12
12177	33.25	3.325E+01	5.602E-12
12201	33.94	3.394E+01	6.568E-12
12210	34.91	3.491E+01	8.209E-12
12285	33.35	3.335E+01	5.735E-12
12350	34.16	3.416E+01	6.911E-12
12368	35.45	3.545E+01	9.298E-12
12490	33.49	3.349E+01	5.927E-12
12491	34.62	3.462E+01	7.678E-12
12524	35.50	3.550E+01	9.408E-12
12631	34.32	3.432E+01	7.164E-12
12648	35.56	3.556E+01	9.542E-12
12749	33.75	3.375E+01	6.297E-12
12783	34.74	3.474E+01	7.904E-12
12858	35.79	3.579E+01	1.006E-11
12924	34.30	3.430E+01	7.143E-12
12990	35.68	3.568E+01	9.804E-12
13067	34.68	3.468E+01	7.783E-12
13097	33.90	3.390E+01	6.514E-12
13173	35.58	3.558E+01	9.576E-12
13230	34.49	3.449E+01	7.465E-12
13274	33.87	3.387E+01	6.468E-12
13300	35.86	3.586E+01	1.022E-11
13382	34.83	3.483E+01	8.067E-12
13396	36.27	3.627E+01	1.123E-11
13477	33.95	3.395E+01	6.583E-12
13528	35.25	3.525E+01	8.883E-12
13599	36.00	3.600E+01	1.055E-11
13613	34.03	3.403E+01	6.707E-12
13671	35.17	3.517E+01	8.732E-12
13762	36.17	3.617E+01	1.099E-11
13773	34.57	3.457E+01	7.591E-12
13838	35.11	3.511E+01	8.612E-12
13910	36.00	3.600E+01	1.055E-11
13974	35.06	3.506E+01	8.507E-12
14041	36.42	3.642E+01	1.163E-11
14112	35.04	3.504E+01	8.475E-12
14186	36.78	3.678E+01	1.263E-11
14197	35.81	3.581E+01	1.010E-11
14268	34.95	3.495E+01	8.297E-12
14328	36.09	3.609E+01	1.077E-11
14340	37.01	3.701E+01	1.332E-11
14406	35.07	3.507E+01	8.524E-12
14436	34.39	3.439E+01	7.281E-12
14531	36.42	3.642E+01	1.163E-11
14543	35.42	3.542E+01	9.243E-12
14571	34.53	3.453E+01	7.521E-12
14646	34.13	3.413E+01	6.869E-12
14711	34.81	3.481E+01	8.025E-12

## Calculate device radiated power from EMC test data

14720	35.82	3.582E+01	1.014E-11
14811	34.24	3.424E+01	7.037E-12
14856	35.04	3.504E+01	8.462E-12
14860	36.11	3.611E+01	1.084E-11
14956	34.55	3.455E+01	7.560E-12
14991	36.67	3.667E+01	1.232E-11
14997	35.63	3.563E+01	9.689E-12
15096	34.81	3.481E+01	8.037E-12
15129	36.88	3.688E+01	1.293E-11
15129	34.19	3.419E+01	6.966E-12
15141	36.11	3.611E+01	1.084E-11
15236	35.03	3.503E+01	8.447E-12
15296	34.08	3.408E+01	6.791E-12
15356	35.65	3.565E+01	9.747E-12
15428	34.40	3.440E+01	7.313E-12
15511	33.81	3.381E+01	6.377E-12
15522	35.32	3.532E+01	9.036E-12
15615	34.69	3.469E+01	7.807E-12
15649	35.88	3.588E+01	1.028E-11
15746	36.88	3.688E+01	1.293E-11
15759	34.77	3.477E+01	7.948E-12
15786	35.93	3.593E+01	1.040E-11
15906	36.65	3.665E+01	1.226E-11
15910	34.97	3.497E+01	8.330E-12
15951	35.68	3.568E+01	9.816E-12
16054	36.80	3.680E+01	1.271E-11
16071	35.73	3.573E+01	9.921E-12
16129	37.90	3.790E+01	1.637E-11
16198	36.57	3.657E+01	1.203E-11
16266	37.76	3.776E+01	1.583E-11
16336	36.44	3.644E+01	1.169E-11
16415	37.40	3.740E+01	1.458E-11
16431	35.66	3.566E+01	9.775E-12
16488	36.41	3.641E+01	1.160E-11
16560	37.30	3.730E+01	1.425E-11
16611	38.06	3.806E+01	1.696E-11
16630	36.11	3.611E+01	1.084E-11
16703	35.14	3.514E+01	8.656E-12
16725	37.03	3.703E+01	1.340E-11
16778	36.00	3.600E+01	1.055E-11
16838	37.38	3.738E+01	1.451E-11
16850	34.98	3.498E+01	8.346E-12
16918	36.24	3.624E+01	1.117E-11
16986	35.18	3.518E+01	8.751E-12
17011	34.35	3.435E+01	7.217E-12
17061	36.65	3.665E+01	1.226E-11
17129	35.31	3.531E+01	9.017E-12
17194	36.91	3.691E+01	1.302E-11
17199	36.05	3.605E+01	1.069E-11



## Calculate device radiated power from EMC test data

17268	35.22	3.522E+01	8.824E-12
17348	37.19	3.719E+01	1.388E-11
17348	36.04	3.604E+01	1.065E-11
17455	35.74	3.574E+01	9.950E-12
17471	36.53	3.653E+01	1.194E-11
17488	37.47	3.747E+01	1.482E-11
17603	35.88	3.588E+01	1.028E-11
17621	37.42	3.742E+01	1.464E-11
17638	36.57	3.657E+01	1.205E-11
17742	38.57	3.857E+01	1.908E-11
17747	36.07	3.607E+01	1.073E-11
17777	37.27	3.727E+01	1.416E-11
17898	36.18	3.618E+01	1.100E-11
17901	36.88	3.688E+01	1.293E-11
17915	37.71	3.771E+01	1.567E-11
18003	36.19	3.619E+01	1.103E-11
18033	40.72	4.072E+01	3.130E-11
18033	42.10	4.210E+01	4.302E-11
18057	39.52	3.952E+01	2.373E-11
18057	38.63	3.863E+01	1.936E-11
18059	37.71	3.771E+01	1.565E-11
18061	37.14	3.714E+01	1.372E-11
18140	37.46	3.746E+01	1.477E-11
18152	38.72	3.872E+01	1.977E-11
18201	39.66	3.966E+01	2.453E-11
18224	42.41	4.241E+01	4.617E-11
18224	43.33	4.333E+01	5.708E-11
18229	41.11	4.111E+01	3.424E-11
18324	38.76	3.876E+01	1.994E-11
18332	37.67	3.767E+01	1.552E-11
18355	39.98	3.998E+01	2.640E-11
18429	40.96	4.096E+01	3.311E-11
18439	42.48	4.248E+01	4.700E-11
18531	39.56	3.956E+01	2.396E-11
18559	38.49	3.849E+01	1.875E-11
18567	41.20	4.120E+01	3.497E-11
18571	40.24	4.024E+01	2.802E-11
18683	41.92	4.192E+01	4.132E-11
18693	39.81	3.981E+01	2.538E-11
18702	40.72	4.072E+01	3.130E-11
18777	38.95	3.895E+01	2.084E-11
18851	40.90	4.090E+01	3.263E-11
18861	39.61	3.961E+01	2.422E-11
18977	39.97	3.997E+01	2.634E-11
18989	41.03	4.103E+01	3.359E-11
19037	39.29	3.929E+01	2.252E-11
19126	41.54	4.154E+01	3.785E-11
19132	40.44	4.044E+01	2.933E-11
19192	39.39	3.939E+01	2.307E-11

19276	41.28	4.128E+01	3.563E-11
19284	40.26	4.026E+01	2.815E-11
19288	38.65	3.865E+01	1.942E-11
19311	39.45	3.945E+01	2.335E-11
19377	42.08	4.208E+01	4.283E-11
19429	40.70	4.070E+01	3.119E-11
19496	39.74	3.974E+01	2.500E-11
19521	42.04	4.204E+01	4.247E-11
19574	40.56	4.056E+01	3.021E-11
19638	42.41	4.241E+01	4.617E-11
19658	41.51	4.151E+01	3.757E-11
19706	40.07	4.007E+01	2.697E-11
19751	39.32	3.932E+01	2.269E-11
19813	41.18	4.118E+01	3.480E-11
19896	39.94	3.994E+01	2.616E-11
19946	41.72	4.172E+01	3.946E-11
20011	39.44	3.944E+01	2.333E-11
20046	40.46	4.046E+01	2.946E-11
20104	41.43	4.143E+01	3.691E-11
20138	39.07	3.907E+01	2.143E-11
20196	39.96	3.996E+01	2.627E-11
20227	41.45	4.145E+01	3.707E-11
20315	39.40	3.940E+01	2.312E-11
20337	40.53	4.053E+01	3.000E-11
20393	41.99	4.199E+01	4.190E-11
20471	40.25	4.025E+01	2.807E-11
20503	39.16	3.916E+01	2.187E-11
20566	41.44	4.144E+01	3.693E-11
20620	40.19	4.019E+01	2.770E-11
20638	39.14	3.914E+01	2.178E-11
20708	41.35	4.135E+01	3.623E-11
20769	39.93	3.993E+01	2.612E-11
20862	41.60	4.160E+01	3.830E-11
20901	39.52	3.952E+01	2.374E-11
20906	40.56	4.056E+01	3.021E-11
20996	41.59	4.159E+01	3.824E-11
21041	39.12	3.912E+01	2.164E-11
21050	40.36	4.036E+01	2.879E-11
21148	42.13	4.213E+01	4.328E-11
21188	39.57	3.957E+01	2.401E-11
21193	40.75	4.075E+01	3.150E-11
21316	41.92	4.192E+01	4.132E-11
21322	39.85	3.985E+01	2.560E-11
21340	40.92	4.092E+01	3.275E-11
21415	42.96	4.296E+01	5.244E-11
21451	42.10	4.210E+01	4.302E-11
21463	39.99	3.999E+01	2.646E-11
21484	40.86	4.086E+01	3.231E-11
21596	42.13	4.213E+01	4.333E-11

21623	40.71	4.071E+01	3.124E-11
21642	43.26	4.326E+01	5.618E-11
21747	42.36	4.236E+01	4.569E-11
21765	40.95	4.095E+01	3.300E-11
21773	40.17	4.017E+01	2.756E-11
21869	42.41	4.241E+01	4.617E-11
21913	41.53	4.153E+01	3.773E-11
21938	40.31	4.031E+01	2.850E-11
22048	40.74	4.074E+01	3.148E-11
22058	41.93	4.193E+01	4.138E-11
22060	40.21	4.021E+01	2.782E-11
22192	41.23	4.123E+01	3.521E-11
22198	42.25	4.225E+01	4.457E-11
22215	40.42	4.042E+01	2.925E-11
22341	42.60	4.260E+01	4.826E-11
22347	41.32	4.132E+01	3.591E-11
22359	40.83	4.083E+01	3.214E-11
22419	43.45	4.345E+01	5.872E-11
22478	41.23	4.123E+01	3.519E-11
22490	42.49	4.249E+01	4.709E-11
22506	40.59	4.059E+01	3.039E-11
22526	43.83	4.383E+01	6.403E-11
22620	42.46	4.246E+01	4.672E-11
22623	41.39	4.139E+01	3.651E-11
22717	43.33	4.333E+01	5.708E-11
22766	42.04	4.204E+01	4.247E-11
22861	43.94	4.394E+01	6.575E-11
22861	43.02	4.302E+01	5.319E-11
22920	42.02	4.202E+01	4.227E-11
23011	42.84	4.284E+01	5.098E-11
23012	41.55	4.155E+01	3.790E-11
23016	43.90	4.390E+01	6.517E-11
23098	42.39	4.239E+01	4.594E-11
23142	44.27	4.427E+01	7.088E-11
23160	43.37	4.337E+01	5.759E-11
23195	41.58	4.158E+01	3.813E-11
23228	42.30	4.230E+01	4.502E-11
23291	43.57	4.357E+01	6.040E-11
23363	42.00	4.200E+01	4.204E-11
23410	41.04	4.104E+01	3.374E-11
23422	43.89	4.389E+01	6.498E-11
23443	43.13	4.313E+01	5.455E-11
23511	42.07	4.207E+01	4.270E-11
23566	44.56	4.456E+01	7.574E-11
23578	43.51	4.351E+01	5.949E-11
23585	42.64	4.264E+01	4.869E-11
23675	41.72	4.172E+01	3.946E-11
23697	45.25	4.525E+01	8.880E-11
23697	44.40	4.440E+01	7.298E-11

23719	42.58	4.258E+01	4.800E-11
23730	43.53	4.353E+01	5.974E-11
23850	41.92	4.192E+01	4.131E-11
23865	44.09	4.409E+01	6.808E-11
23865	43.17	4.317E+01	5.510E-11
23982	42.26	4.226E+01	4.467E-11
24017	43.99	4.399E+01	6.642E-11
24116	41.77	4.177E+01	3.985E-11
24133	42.58	4.258E+01	4.807E-11
24155	44.33	4.433E+01	7.183E-11
24163	43.48	4.348E+01	5.914E-11
24268	42.17	4.217E+01	4.369E-11
24271	44.83	4.483E+01	8.057E-11
24292	43.14	4.314E+01	5.471E-11
24295	43.94	4.394E+01	6.575E-11
24424	42.10	4.210E+01	4.302E-11
24447	43.35	4.335E+01	5.737E-11
24486	45.63	4.563E+01	9.700E-11
24534	44.40	4.440E+01	7.311E-11
24563	42.40	4.240E+01	4.610E-11
24590	43.69	4.369E+01	6.199E-11
24708	42.58	4.258E+01	4.802E-11
24723	43.48	4.348E+01	5.914E-11
24725	44.33	4.433E+01	7.183E-11
24854	42.15	4.215E+01	4.348E-11
24868	45.25	4.525E+01	8.880E-11
24868	43.81	4.381E+01	6.375E-11
24868	43.02	4.302E+01	5.319E-11
24880	41.14	4.114E+01	3.449E-11
25000	42.04	4.204E+01	4.245E-11
25000	44.07	4.407E+01	6.764E-11
25012	43.17	4.317E+01	5.510E-11
25131	42.33	4.233E+01	4.536E-11
25155	41.79	4.179E+01	4.008E-11
25157	44.01	4.401E+01	6.679E-11
25191	44.48	4.448E+01	7.441E-11
25281	42.82	4.282E+01	5.074E-11
25300	41.67	4.167E+01	3.900E-11
25331	43.90	4.390E+01	6.509E-11
25418	42.89	4.289E+01	5.164E-11
25447	41.62	4.162E+01	3.851E-11
25466	43.76	4.376E+01	6.310E-11
25514	41.03	4.103E+01	3.359E-11
25571	42.61	4.261E+01	4.834E-11
25597	41.64	4.164E+01	3.869E-11
25641	43.79	4.379E+01	6.347E-11
25720	41.71	4.171E+01	3.930E-11
25738	43.07	4.307E+01	5.382E-11
25777	44.12	4.412E+01	6.842E-11

25860	41.87	4.187E+01	4.080E-11
25878	43.06	4.306E+01	5.366E-11
25925	41.29	4.129E+01	3.569E-11
26010	43.56	4.356E+01	6.019E-11
26016	42.51	4.251E+01	4.727E-11
26075	41.78	4.178E+01	3.993E-11
26160	43.75	4.375E+01	6.297E-11
26166	42.71	4.271E+01	4.956E-11
26171	44.76	4.476E+01	7.940E-11
26213	41.90	4.190E+01	4.104E-11
26307	43.42	4.342E+01	5.831E-11
26357	42.13	4.213E+01	4.328E-11
26386	44.32	4.432E+01	7.172E-11
26461	43.20	4.320E+01	5.538E-11
26494	41.96	4.196E+01	4.162E-11
26532	44.35	4.435E+01	7.218E-11
26599	42.87	4.287E+01	5.134E-11
26663	43.94	4.394E+01	6.575E-11
26668	45.03	4.503E+01	8.455E-11
26730	42.88	4.288E+01	5.145E-11
26800	45.55	4.555E+01	9.531E-11
26804	44.58	4.458E+01	7.619E-11
26807	43.76	4.376E+01	6.302E-11
26888	43.04	4.304E+01	5.340E-11
26950	43.97	4.397E+01	6.622E-11
26953	44.97	4.497E+01	8.337E-11
27008	42.67	4.267E+01	4.907E-11
27087	44.33	4.433E+01	7.197E-11
27091	45.63	4.563E+01	9.700E-11
27103	43.41	4.341E+01	5.810E-11
27170	42.52	4.252E+01	4.737E-11
27239	43.33	4.333E+01	5.708E-11
27244	44.51	4.451E+01	7.485E-11
27342	42.33	4.233E+01	4.536E-11
27378	43.89	4.389E+01	6.498E-11
27378	43.10	4.310E+01	5.413E-11
27426	41.88	4.188E+01	4.092E-11
27521	44.17	4.417E+01	6.933E-11
27521	43.12	4.312E+01	5.445E-11
27554	42.44	4.244E+01	4.652E-11
27653	44.67	4.467E+01	7.777E-11
27665	43.69	4.369E+01	6.199E-11
27689	42.27	4.227E+01	4.477E-11
27744	41.42	4.142E+01	3.680E-11
27808	43.52	4.352E+01	5.966E-11
27841	42.49	4.249E+01	4.711E-11
27874	41.27	4.127E+01	3.550E-11
27957	44.25	4.425E+01	7.057E-11
27975	43.15	4.315E+01	5.478E-11

27975	42.23	4.223E+01	4.431E-11
28023	41.47	4.147E+01	3.724E-11
28126	43.51	4.351E+01	5.956E-11
28126	42.35	4.235E+01	4.552E-11
28174	41.69	4.169E+01	3.910E-11
28250	43.97	4.397E+01	6.622E-11
28262	43.10	4.310E+01	5.413E-11
28269	42.19	4.219E+01	4.394E-11
28319	41.27	4.127E+01	3.551E-11
28406	42.00	4.200E+01	4.202E-11
28415	43.22	4.322E+01	5.569E-11
28454	41.28	4.128E+01	3.563E-11
28545	43.17	4.317E+01	5.510E-11
28567	41.92	4.192E+01	4.125E-11
28597	44.68	4.468E+01	7.795E-11
28687	41.69	4.169E+01	3.918E-11
28693	42.64	4.264E+01	4.869E-11
28702	43.79	4.379E+01	6.347E-11
28812	44.92	4.492E+01	8.237E-11
28824	41.98	4.198E+01	4.185E-11
28836	43.00	4.300E+01	5.287E-11
28844	44.01	4.401E+01	6.676E-11
28973	44.60	4.460E+01	7.641E-11
28975	42.59	4.259E+01	4.812E-11
28979	43.71	4.371E+01	6.236E-11
29063	42.27	4.227E+01	4.470E-11
29123	44.13	4.413E+01	6.872E-11
29125	43.14	4.314E+01	5.471E-11
29202	41.90	4.190E+01	4.109E-11
29266	42.79	4.279E+01	5.044E-11
29272	43.85	4.385E+01	6.432E-11
29346	41.91	4.191E+01	4.121E-11
29410	44.07	4.407E+01	6.772E-11
29410	43.15	4.315E+01	5.478E-11
29486	42.18	4.218E+01	4.379E-11
29493	41.13	4.113E+01	3.442E-11
29561	43.43	4.343E+01	5.844E-11
29634	42.28	4.228E+01	4.489E-11
29646	41.30	4.130E+01	3.580E-11
29698	43.66	4.366E+01	6.157E-11
29773	42.25	4.225E+01	4.457E-11
29780	44.37	4.437E+01	7.259E-11
29792	41.18	4.118E+01	3.480E-11
29844	43.32	4.332E+01	5.691E-11
29917	41.93	4.193E+01	4.139E-11
29947	43.38	4.338E+01	5.776E-11
29947	40.85	4.085E+01	3.223E-11