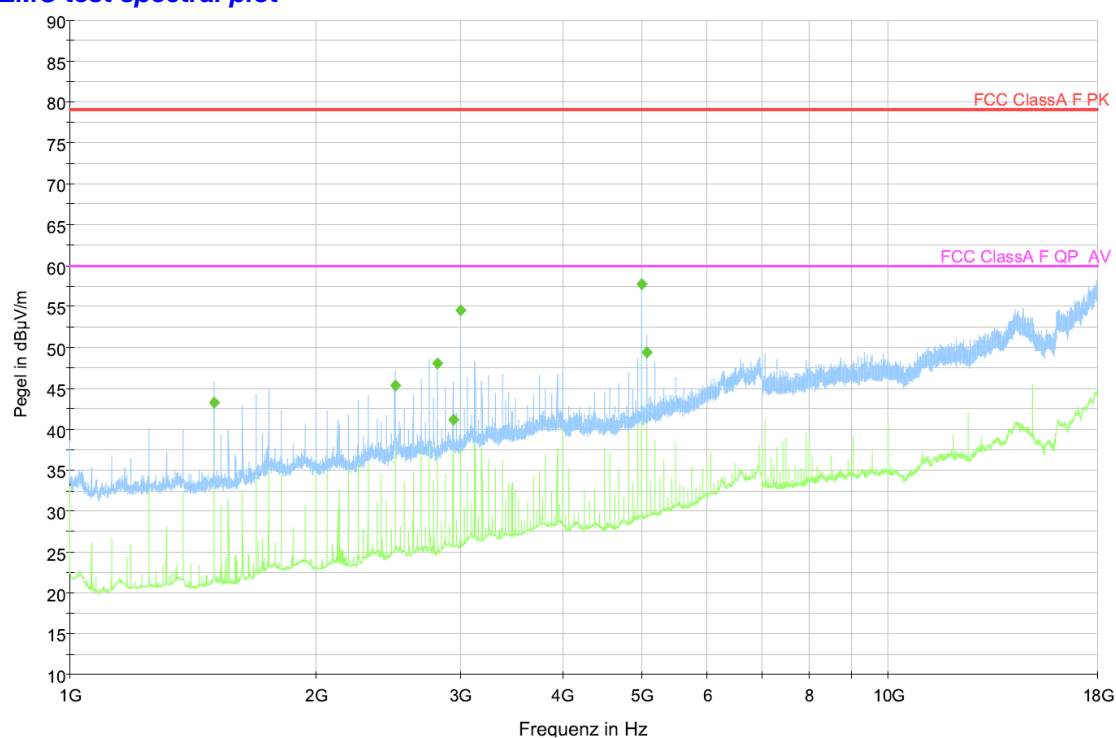


Prepared by: Dr Vitas Anderson (Two Fields Consulting)
Date: 14 June 2022

FCC ID: 2ATXITTESWA664LAB2 (Configuration 1, Figure 19, Class A device)
Frequency span: 1 GHz to 18 GHz
RBW: 0.001 GHz, distance: 3 m
Peak-to-average correction: N/A
No. of sample points: 17,000
Cumulative S level: $2.374\text{E-}07 \text{ W/m}^2$
Device radiated power: 0.0164 mW

EMC test spectral plot



Plot of extracted data from EMC test spectral plot

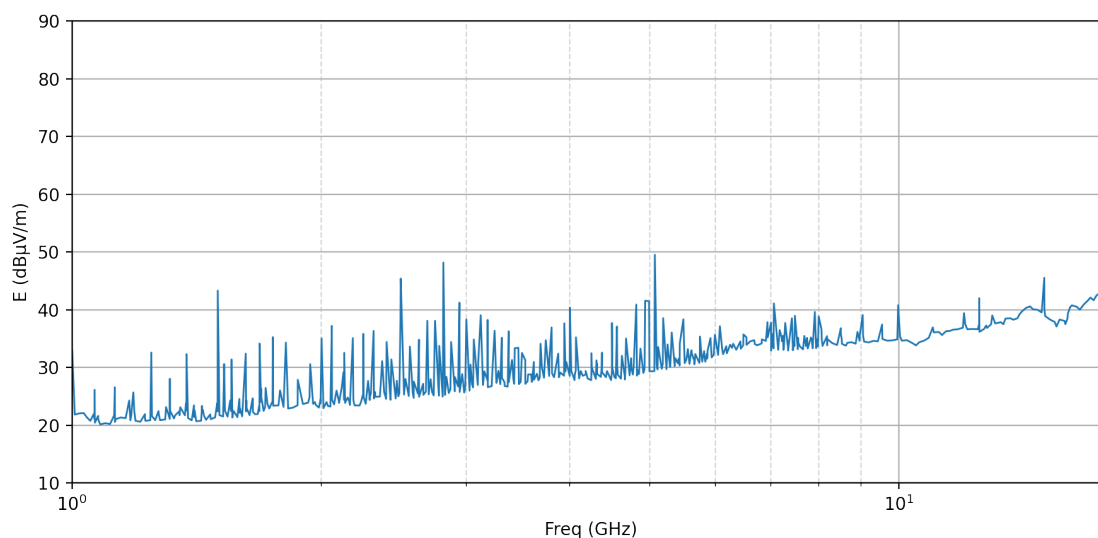


Table of extracted data from EMC test spectral plot

Freq (GHz)	E (dBμV/m)	E (V/m rms)	S (W/m²)
1.0	22.78	2.278E+01	5.026E-13
1.0	33.05	3.305E+01	5.355E-12
1.008	21.86	2.186E+01	4.074E-13
1.022	22.07	2.207E+01	4.273E-13
1.033	22.10	2.210E+01	4.306E-13
1.043	21.34	2.134E+01	3.614E-13
1.052	20.77	2.077E+01	3.167E-13
1.062	21.93	2.193E+01	4.137E-13
1.064	21.13	2.113E+01	3.444E-13
1.065	26.14	2.614E+01	1.090E-12
1.066	20.44	2.044E+01	2.938E-13
1.075	21.63	2.163E+01	3.862E-13
1.075	21.03	2.103E+01	3.366E-13
1.082	20.16	2.016E+01	2.750E-13
1.097	20.36	2.036E+01	2.884E-13
1.112	20.22	2.022E+01	2.792E-13
1.124	21.73	2.173E+01	3.952E-13
1.126	26.58	2.658E+01	1.206E-12
1.127	20.58	2.058E+01	3.031E-13
1.128	21.05	2.105E+01	3.379E-13
1.145	21.35	2.135E+01	3.619E-13
1.161	21.23	2.123E+01	3.524E-13
1.173	24.29	2.429E+01	7.129E-13
1.176	20.86	2.086E+01	3.234E-13
1.18	21.78	2.178E+01	3.997E-13
1.18	22.54	2.254E+01	4.760E-13
1.186	25.70	2.570E+01	9.862E-13
1.189	22.48	2.248E+01	4.692E-13
1.193	20.77	2.077E+01	3.170E-13
1.21	20.62	2.062E+01	3.060E-13
1.225	21.93	2.193E+01	4.137E-13
1.225	21.33	2.133E+01	3.606E-13
1.226	20.77	2.077E+01	3.167E-13
1.243	20.88	2.088E+01	3.246E-13
1.247	32.58	3.258E+01	4.806E-12
1.249	22.35	2.235E+01	4.560E-13
1.249	21.58	2.158E+01	3.818E-13
1.261	20.89	2.089E+01	3.259E-13
1.272	22.45	2.245E+01	4.666E-13
1.274	21.83	2.183E+01	4.043E-13
1.278	20.89	2.089E+01	3.253E-13
1.296	21.01	2.101E+01	3.350E-13
1.299	23.15	2.315E+01	5.482E-13
1.308	21.83	2.183E+01	4.043E-13
1.313	21.10	2.110E+01	3.416E-13
1.313	28.05	2.805E+01	1.694E-12

1.314	22.55	2.255E+01	4.774E-13
1.328	21.18	2.118E+01	3.484E-13
1.332	21.72	2.172E+01	3.940E-13
1.347	22.38	2.238E+01	4.590E-13
1.349	21.75	2.175E+01	3.965E-13
1.352	23.12	2.312E+01	5.446E-13
1.369	21.72	2.172E+01	3.945E-13
1.373	23.82	2.382E+01	6.393E-13
1.373	23.22	2.322E+01	5.572E-13
1.375	22.55	2.255E+01	4.774E-13
1.375	32.31	3.231E+01	4.518E-12
1.381	21.26	2.126E+01	3.544E-13
1.396	20.86	2.086E+01	3.234E-13
1.404	23.45	2.345E+01	5.877E-13
1.405	21.43	2.143E+01	3.689E-13
1.405	22.03	2.203E+01	4.233E-13
1.407	22.55	2.255E+01	4.774E-13
1.413	20.70	2.070E+01	3.119E-13
1.433	20.79	2.079E+01	3.179E-13
1.436	23.35	2.335E+01	5.742E-13
1.438	22.23	2.223E+01	4.431E-13
1.439	22.65	2.265E+01	4.884E-13
1.444	21.63	2.163E+01	3.862E-13
1.452	20.94	2.094E+01	3.296E-13
1.469	21.88	2.188E+01	4.090E-13
1.472	21.06	2.106E+01	3.386E-13
1.489	21.37	2.137E+01	3.637E-13
1.498	23.82	2.382E+01	6.393E-13
1.498	23.22	2.322E+01	5.572E-13
1.5	22.40	2.240E+01	4.612E-13
1.501	43.32	4.332E+01	5.694E-11
1.508	21.75	2.175E+01	3.970E-13
1.523	21.53	2.153E+01	3.769E-13
1.527	30.60	3.060E+01	3.047E-12
1.531	22.54	2.254E+01	4.755E-13
1.542	21.49	2.149E+01	3.741E-13
1.553	24.29	2.429E+01	7.129E-13
1.557	22.45	2.245E+01	4.666E-13
1.559	31.41	3.141E+01	3.667E-12
1.563	21.35	2.135E+01	3.616E-13
1.568	22.48	2.248E+01	4.692E-13
1.585	21.42	2.142E+01	3.677E-13
1.593	24.56	2.456E+01	7.584E-13
1.595	22.15	2.215E+01	4.356E-13
1.596	22.95	2.295E+01	5.236E-13
1.606	21.55	2.155E+01	3.789E-13
1.622	32.41	3.241E+01	4.624E-12
1.624	22.39	2.239E+01	4.601E-13
1.625	24.32	2.432E+01	7.168E-13

1.625	23.72	2.372E+01	6.248E-13
1.625	23.12	2.312E+01	5.446E-13
1.639	21.76	2.176E+01	3.982E-13
1.654	24.66	2.466E+01	7.761E-13
1.655	24.22	2.422E+01	7.006E-13
1.655	23.62	2.362E+01	6.106E-13
1.655	23.02	2.302E+01	5.322E-13
1.655	22.32	2.232E+01	4.523E-13
1.665	21.91	2.191E+01	4.121E-13
1.677	21.96	2.196E+01	4.161E-13
1.683	23.29	2.329E+01	5.658E-13
1.685	22.45	2.245E+01	4.666E-13
1.686	34.16	3.416E+01	6.910E-12
1.693	24.07	2.407E+01	6.769E-13
1.694	26.34	2.634E+01	1.142E-12
1.694	24.87	2.487E+01	8.149E-13
1.705	22.49	2.249E+01	4.708E-13
1.712	23.14	2.314E+01	5.471E-13
1.715	26.47	2.647E+01	1.178E-12
1.723	23.72	2.372E+01	6.248E-13
1.732	22.90	2.290E+01	5.172E-13
1.748	24.17	2.417E+01	6.926E-13
1.749	35.27	3.527E+01	8.916E-12
1.751	23.39	2.339E+01	5.785E-13
1.777	23.45	2.345E+01	5.871E-13
1.785	26.04	2.604E+01	1.065E-12
1.802	23.17	2.317E+01	5.508E-13
1.814	34.33	3.433E+01	7.182E-12
1.825	22.90	2.290E+01	5.172E-13
1.851	23.07	2.307E+01	5.373E-13
1.874	23.47	2.347E+01	5.893E-13
1.875	27.88	2.788E+01	1.629E-12
1.902	23.67	2.367E+01	6.177E-13
1.93	23.92	2.392E+01	6.541E-13
1.937	24.84	2.484E+01	8.084E-13
1.941	30.60	3.060E+01	3.047E-12
1.956	23.70	2.370E+01	6.217E-13
1.967	24.03	2.403E+01	6.702E-13
1.971	23.57	2.357E+01	6.037E-13
1.988	23.06	2.306E+01	5.366E-13
1.998	24.42	2.442E+01	7.334E-13
1.998	23.82	2.382E+01	6.393E-13
2.003	35.06	3.506E+01	8.512E-12
2.014	22.96	2.296E+01	5.242E-13
2.031	24.03	2.403E+01	6.702E-13
2.039	23.34	2.334E+01	5.720E-13
2.053	23.24	2.324E+01	5.593E-13
2.061	37.21	3.721E+01	1.396E-11
2.063	24.42	2.442E+01	7.334E-13

2.075	23.61	2.361E+01	6.095E-13
2.089	26.00	2.600E+01	1.057E-12
2.101	24.38	2.438E+01	7.279E-13
2.103	23.87	2.387E+01	6.466E-13
2.119	26.61	2.661E+01	1.215E-12
2.129	29.19	2.919E+01	2.202E-12
2.133	24.40	2.440E+01	7.297E-13
2.134	32.55	3.255E+01	4.769E-12
2.139	23.88	2.388E+01	6.477E-13
2.154	24.82	2.482E+01	8.038E-13
2.164	24.12	2.412E+01	6.847E-13
2.168	23.53	2.353E+01	5.978E-13
2.186	35.10	3.510E+01	8.578E-12
2.189	24.32	2.432E+01	7.168E-13
2.196	23.45	2.345E+01	5.866E-13
2.227	23.43	2.343E+01	5.844E-13
2.236	24.05	2.405E+01	6.744E-13
2.25	25.51	2.551E+01	9.436E-13
2.251	35.84	3.584E+01	1.017E-11
2.252	24.82	2.482E+01	8.038E-13
2.26	24.20	2.420E+01	6.979E-13
2.265	23.71	2.371E+01	6.234E-13
2.28	27.68	2.768E+01	1.556E-12
2.291	24.38	2.438E+01	7.268E-13
2.291	24.83	2.483E+01	8.069E-13
2.298	25.58	2.558E+01	9.581E-13
2.316	36.34	3.634E+01	1.142E-11
2.318	24.64	2.464E+01	7.722E-13
2.326	25.76	2.576E+01	9.992E-13
2.326	24.94	2.494E+01	8.281E-13
2.357	24.96	2.496E+01	8.319E-13
2.372	31.10	3.110E+01	3.421E-12
2.385	25.71	2.571E+01	9.879E-13
2.392	25.09	2.509E+01	8.568E-13
2.398	24.58	2.458E+01	7.616E-13
2.401	34.43	3.443E+01	7.350E-12
2.423	25.61	2.561E+01	9.655E-13
2.428	24.42	2.442E+01	7.334E-13
2.433	31.41	3.141E+01	3.667E-12
2.462	24.64	2.464E+01	7.722E-13
2.471	27.72	2.772E+01	1.568E-12
2.48	25.03	2.503E+01	8.447E-13
2.488	25.53	2.553E+01	9.472E-13
2.496	38.25	3.825E+01	1.773E-11
2.497	45.40	4.540E+01	9.193E-11
2.52	25.31	2.531E+01	9.002E-13
2.53	28.02	2.802E+01	1.681E-12
2.554	25.06	2.506E+01	8.512E-13
2.562	33.62	3.362E+01	6.106E-12

2.582	25.58	2.558E+01	9.581E-13
2.589	24.74	2.474E+01	7.902E-13
2.59	27.58	2.758E+01	1.520E-12
2.62	25.50	2.550E+01	9.405E-13
2.628	34.83	3.483E+01	8.064E-12
2.628	24.93	2.493E+01	8.256E-13
2.658	27.18	2.718E+01	1.385E-12
2.66	25.27	2.527E+01	8.926E-13
2.679	25.84	2.584E+01	1.018E-12
2.689	38.08	3.808E+01	1.706E-11
2.699	25.36	2.536E+01	9.103E-13
2.714	27.98	2.798E+01	1.668E-12
2.726	25.70	2.570E+01	9.850E-13
2.737	25.17	2.517E+01	8.726E-13
2.748	38.08	3.808E+01	1.706E-11
2.775	25.81	2.581E+01	1.011E-12
2.778	25.13	2.513E+01	8.647E-13
2.78	33.76	3.376E+01	6.298E-12
2.807	24.97	2.497E+01	8.338E-13
2.808	26.11	2.611E+01	1.083E-12
2.812	48.18	4.818E+01	1.746E-10
2.825	25.26	2.526E+01	8.911E-13
2.836	28.39	2.839E+01	1.830E-12
2.855	25.59	2.559E+01	9.611E-13
2.868	26.22	2.622E+01	1.110E-12
2.874	34.43	3.443E+01	7.350E-12
2.903	25.89	2.589E+01	1.029E-12
2.905	28.32	2.832E+01	1.802E-12
2.93	26.73	2.673E+01	1.248E-12
2.941	41.24	4.124E+01	3.527E-11
2.943	25.77	2.577E+01	1.001E-12
2.964	28.86	2.886E+01	2.039E-12
2.98	25.68	2.568E+01	9.811E-13
2.987	26.24	2.624E+01	1.116E-12
2.989	26.97	2.697E+01	1.320E-12
2.998	38.32	3.832E+01	1.801E-11
3.025	25.99	2.599E+01	1.054E-12
3.033	30.50	3.050E+01	2.977E-12
3.046	27.10	2.710E+01	1.361E-12
3.055	26.57	2.657E+01	1.203E-12
3.061	34.86	3.486E+01	8.127E-12
3.095	26.99	2.699E+01	1.325E-12
3.099	30.97	3.097E+01	3.317E-12
3.121	39.06	3.906E+01	2.135E-11
3.14	26.98	2.698E+01	1.324E-12
3.152	29.33	2.933E+01	2.272E-12
3.181	27.77	2.777E+01	1.589E-12
3.181	38.25	3.825E+01	1.773E-11
3.182	26.60	2.660E+01	1.212E-12

3.217	26.78	2.678E+01	1.264E-12
3.218	27.39	2.739E+01	1.455E-12
3.243	36.37	3.637E+01	1.151E-11
3.258	28.07	2.807E+01	1.702E-12
3.26	27.34	2.734E+01	1.438E-12
3.278	29.43	2.943E+01	2.325E-12
3.295	27.12	2.712E+01	1.367E-12
3.309	35.16	3.516E+01	8.712E-12
3.31	28.20	2.820E+01	1.751E-12
3.333	27.49	2.749E+01	1.488E-12
3.337	26.79	2.679E+01	1.266E-12
3.364	26.71	2.671E+01	1.242E-12
3.373	36.27	3.627E+01	1.124E-11
3.374	27.45	2.745E+01	1.475E-12
3.405	31.31	3.131E+01	3.583E-12
3.418	27.85	2.785E+01	1.616E-12
3.425	27.18	2.718E+01	1.387E-12
3.431	33.35	3.335E+01	5.740E-12
3.465	33.42	3.342E+01	5.830E-12
3.47	27.13	2.713E+01	1.369E-12
3.487	27.51	2.751E+01	1.495E-12
3.5	32.51	3.251E+01	4.732E-12
3.533	31.27	3.127E+01	3.556E-12
3.533	27.17	2.717E+01	1.382E-12
3.555	27.63	2.763E+01	1.537E-12
3.56	28.79	2.879E+01	2.007E-12
3.59	28.82	2.882E+01	2.023E-12
3.598	27.50	2.750E+01	1.492E-12
3.618	30.97	3.097E+01	3.317E-12
3.619	27.89	2.789E+01	1.630E-12
3.649	28.92	2.892E+01	2.070E-12
3.665	27.78	2.778E+01	1.592E-12
3.677	28.21	2.821E+01	1.758E-12
3.686	34.12	3.412E+01	6.857E-12
3.7	30.03	3.003E+01	2.672E-12
3.722	28.22	2.822E+01	1.760E-12
3.74	34.73	3.473E+01	7.880E-12
3.776	28.53	2.853E+01	1.891E-12
3.778	31.41	3.141E+01	3.667E-12
3.801	36.94	3.694E+01	1.312E-11
3.806	28.99	2.899E+01	2.104E-12
3.827	28.32	2.832E+01	1.802E-12
3.872	32.41	3.241E+01	4.624E-12
3.88	28.32	2.832E+01	1.801E-12
3.894	29.14	2.914E+01	2.177E-12
3.935	28.58	2.858E+01	1.912E-12
3.938	37.65	3.765E+01	1.543E-11
3.948	31.64	3.164E+01	3.871E-12
3.949	29.31	2.931E+01	2.264E-12

Calculate device radiated power from EMC test data

3.96	30.97	3.097E+01	3.317E-12
3.998	28.55	2.855E+01	1.901E-12
4.0	40.37	4.037E+01	2.885E-11
4.016	29.39	2.939E+01	2.305E-12
4.052	27.82	2.782E+01	1.607E-12
4.054	28.66	2.866E+01	1.949E-12
4.066	29.59	2.959E+01	2.414E-12
4.068	35.23	3.523E+01	8.848E-12
4.104	28.10	2.810E+01	1.712E-12
4.122	29.39	2.939E+01	2.305E-12
4.146	28.56	2.856E+01	1.905E-12
4.179	28.79	2.879E+01	2.009E-12
4.179	29.39	2.939E+01	2.305E-12
4.203	28.09	2.809E+01	1.708E-12
4.244	27.82	2.782E+01	1.606E-12
4.247	29.39	2.939E+01	2.305E-12
4.247	28.79	2.879E+01	2.009E-12
4.247	32.48	3.248E+01	4.696E-12
4.252	30.01	3.001E+01	2.660E-12
4.299	28.04	2.804E+01	1.687E-12
4.307	31.24	3.124E+01	3.528E-12
4.31	30.06	3.006E+01	2.691E-12
4.315	30.68	3.068E+01	3.105E-12
4.315	29.49	2.949E+01	2.359E-12
4.315	28.89	2.889E+01	2.056E-12
4.36	28.38	2.838E+01	1.827E-12
4.37	29.91	2.991E+01	2.600E-12
4.374	32.58	3.258E+01	4.806E-12
4.375	29.19	2.919E+01	2.202E-12
4.422	28.33	2.833E+01	1.804E-12
4.435	29.39	2.939E+01	2.305E-12
4.486	27.82	2.782E+01	1.606E-12
4.496	29.29	2.929E+01	2.253E-12
4.497	37.71	3.771E+01	1.567E-11
4.502	29.96	2.996E+01	2.630E-12
4.527	28.37	2.837E+01	1.823E-12
4.546	28.14	2.814E+01	1.727E-12
4.56	37.11	3.711E+01	1.364E-11
4.564	30.01	3.001E+01	2.660E-12
4.569	29.39	2.939E+01	2.305E-12
4.569	28.79	2.879E+01	2.009E-12
4.611	28.06	2.806E+01	1.697E-12
4.623	32.04	3.204E+01	4.247E-12
4.643	30.05	3.005E+01	2.686E-12
4.659	28.64	2.864E+01	1.942E-12
4.662	27.92	2.792E+01	1.644E-12
4.667	29.36	2.936E+01	2.288E-12
4.677	35.03	3.503E+01	8.447E-12
4.712	30.11	3.011E+01	2.722E-12

4.723	28.64	2.864E+01	1.942E-12
4.742	31.61	3.161E+01	3.841E-12
4.75	29.69	2.969E+01	2.469E-12
4.766	28.78	2.878E+01	2.004E-12
4.777	30.16	3.016E+01	2.753E-12
4.812	40.90	4.090E+01	3.265E-11
4.821	28.59	2.859E+01	1.916E-12
4.843	29.54	2.954E+01	2.386E-12
4.849	28.89	2.889E+01	2.056E-12
4.854	30.20	3.020E+01	2.777E-12
4.868	33.29	3.329E+01	5.652E-12
4.908	29.06	2.906E+01	2.136E-12
4.921	29.54	2.954E+01	2.386E-12
4.925	30.17	3.017E+01	2.756E-12
4.932	41.57	4.157E+01	3.810E-11
4.986	41.47	4.147E+01	3.723E-11
4.991	30.14	3.014E+01	2.738E-12
4.992	29.33	2.933E+01	2.276E-12
5.061	29.38	2.938E+01	2.302E-12
5.067	49.52	4.952E+01	2.378E-10
5.093	30.49	3.049E+01	2.966E-12
5.104	29.66	2.966E+01	2.455E-12
5.114	33.55	3.355E+01	6.013E-12
5.166	29.78	2.978E+01	2.524E-12
5.181	30.68	3.068E+01	3.105E-12
5.186	38.55	3.855E+01	1.901E-11
5.234	29.71	2.971E+01	2.484E-12
5.25	33.99	3.399E+01	6.648E-12
5.286	30.11	3.011E+01	2.719E-12
5.293	30.88	3.088E+01	3.251E-12
5.311	36.07	3.607E+01	1.073E-11
5.355	30.24	3.024E+01	2.801E-12
5.365	31.61	3.161E+01	3.841E-12
5.405	30.73	3.073E+01	3.141E-12
5.415	31.51	3.151E+01	3.758E-12
5.429	30.34	3.034E+01	2.871E-12
5.431	34.12	3.412E+01	6.857E-12
5.486	38.35	3.835E+01	1.815E-11
5.506	30.77	3.077E+01	3.164E-12
5.53	31.33	3.133E+01	3.604E-12
5.542	32.14	3.214E+01	4.341E-12
5.554	33.19	3.319E+01	5.523E-12
5.58	30.63	3.063E+01	3.070E-12
5.61	32.98	3.298E+01	5.273E-12
5.619	32.40	3.240E+01	4.610E-12
5.657	31.08	3.108E+01	3.403E-12
5.657	30.56	3.056E+01	3.018E-12
5.668	31.84	3.184E+01	4.056E-12
5.671	32.35	3.235E+01	4.553E-12

5.735	30.79	3.079E+01	3.183E-12
5.742	31.78	3.178E+01	3.995E-12
5.746	35.37	3.537E+01	9.125E-12
5.768	32.41	3.241E+01	4.619E-12
5.782	31.01	3.101E+01	3.345E-12
5.812	32.85	3.285E+01	5.112E-12
5.831	31.01	3.101E+01	3.345E-12
5.861	32.39	3.239E+01	4.601E-12
5.861	31.55	3.155E+01	3.787E-12
5.871	33.05	3.305E+01	5.355E-12
5.916	35.10	3.510E+01	8.578E-12
5.935	31.75	3.175E+01	3.965E-12
5.969	32.20	3.220E+01	4.398E-12
5.99	35.67	3.567E+01	9.782E-12
6.043	32.17	3.217E+01	4.376E-12
6.074	37.14	3.714E+01	1.374E-11
6.111	33.29	3.329E+01	5.652E-12
6.127	32.30	3.230E+01	4.509E-12
6.182	33.69	3.369E+01	6.201E-12
6.192	32.47	3.247E+01	4.690E-12
6.215	33.04	3.304E+01	5.340E-12
6.249	33.96	3.396E+01	6.597E-12
6.282	33.40	3.340E+01	5.808E-12
6.302	34.12	3.412E+01	6.857E-12
6.357	33.07	3.307E+01	5.381E-12
6.43	34.53	3.453E+01	7.523E-12
6.437	33.26	3.326E+01	5.620E-12
6.481	33.86	3.386E+01	6.444E-12
6.485	35.73	3.573E+01	9.935E-12
6.54	35.23	3.523E+01	8.848E-12
6.541	33.92	3.392E+01	6.537E-12
6.608	34.54	3.454E+01	7.543E-12
6.683	34.73	3.473E+01	7.880E-12
6.694	34.06	3.406E+01	6.756E-12
6.738	33.85	3.385E+01	6.438E-12
6.823	34.17	3.417E+01	6.936E-12
6.826	34.88	3.488E+01	8.157E-12
6.903	34.61	3.461E+01	7.662E-12
6.934	37.85	3.785E+01	1.616E-11
6.938	35.22	3.522E+01	8.832E-12
7.004	37.78	3.778E+01	1.592E-11
7.005	32.92	3.292E+01	5.199E-12
7.024	34.64	3.464E+01	7.718E-12
7.037	35.81	3.581E+01	1.010E-11
7.037	35.21	3.521E+01	8.805E-12
7.052	33.31	3.331E+01	5.685E-12
7.058	41.10	4.110E+01	3.420E-11
7.144	33.08	3.308E+01	5.388E-12
7.151	33.92	3.392E+01	6.537E-12

7.174	36.47	3.647E+01	1.178E-11
7.216	35.09	3.509E+01	8.556E-12
7.216	34.56	3.456E+01	7.587E-12
7.24	35.50	3.550E+01	9.412E-12
7.249	33.06	3.306E+01	5.367E-12
7.26	33.73	3.373E+01	6.268E-12
7.285	37.71	3.771E+01	1.567E-11
7.333	34.07	3.407E+01	6.766E-12
7.333	34.66	3.466E+01	7.763E-12
7.344	32.94	3.294E+01	5.219E-12
7.421	38.52	3.852E+01	1.886E-11
7.442	32.99	3.299E+01	5.284E-12
7.459	34.46	3.446E+01	7.415E-12
7.474	33.70	3.370E+01	6.221E-12
7.484	38.96	3.896E+01	2.086E-11
7.545	33.17	3.317E+01	5.505E-12
7.548	35.16	3.516E+01	8.712E-12
7.554	34.37	3.437E+01	7.247E-12
7.588	33.67	3.367E+01	6.173E-12
7.655	33.14	3.314E+01	5.460E-12
7.683	35.47	3.547E+01	9.339E-12
7.719	33.72	3.372E+01	6.244E-12
7.728	34.43	3.443E+01	7.359E-12
7.742	35.13	3.513E+01	8.645E-12
7.757	33.30	3.330E+01	5.672E-12
7.826	35.20	3.520E+01	8.780E-12
7.847	34.78	3.478E+01	7.973E-12
7.853	34.07	3.407E+01	6.766E-12
7.863	33.32	3.332E+01	5.698E-12
7.911	39.63	3.963E+01	2.434E-11
7.939	33.36	3.336E+01	5.750E-12
7.961	33.97	3.397E+01	6.613E-12
7.969	34.90	3.490E+01	8.201E-12
7.98	33.65	3.365E+01	6.150E-12
7.997	38.86	3.886E+01	2.038E-11
8.059	36.61	3.661E+01	1.214E-11
8.065	34.91	3.491E+01	8.220E-12
8.082	33.74	3.374E+01	6.280E-12
8.184	35.43	3.543E+01	9.267E-12
8.188	33.84	3.384E+01	6.423E-12
8.197	34.90	3.490E+01	8.197E-12
8.306	34.22	3.422E+01	7.002E-12
8.417	33.90	3.390E+01	6.512E-12
8.506	36.81	3.681E+01	1.272E-11
8.507	35.76	3.576E+01	9.987E-12
8.526	34.95	3.495E+01	8.283E-12
8.532	34.10	3.410E+01	6.821E-12
8.624	33.78	3.378E+01	6.335E-12
8.664	34.28	3.428E+01	7.113E-12

8.765	34.38	3.438E+01	7.280E-12
8.864	34.13	3.413E+01	6.859E-12
8.908	36.17	3.617E+01	1.098E-11
8.961	34.64	3.464E+01	7.723E-12
8.966	35.61	3.561E+01	9.650E-12
9.04	39.09	3.909E+01	2.151E-11
9.048	35.56	3.556E+01	9.540E-12
9.074	34.49	3.449E+01	7.458E-12
9.191	34.35	3.435E+01	7.219E-12
9.319	34.62	3.462E+01	7.692E-12
9.428	34.53	3.453E+01	7.522E-12
9.541	37.45	3.745E+01	1.473E-11
9.549	34.94	3.494E+01	8.274E-12
9.681	34.64	3.464E+01	7.717E-12
9.809	34.70	3.470E+01	7.826E-12
9.953	34.87	3.487E+01	8.140E-12
9.977	40.80	4.080E+01	3.190E-11
10.028	35.41	3.541E+01	9.217E-12
10.081	34.65	3.465E+01	7.737E-12
10.225	34.74	3.474E+01	7.897E-12
10.366	34.27	3.427E+01	7.096E-12
10.487	33.83	3.383E+01	6.410E-12
10.581	34.39	3.439E+01	7.289E-12
10.719	34.64	3.464E+01	7.725E-12
10.863	35.14	3.514E+01	8.661E-12
10.988	36.95	3.695E+01	1.315E-11
11.016	36.09	3.609E+01	1.077E-11
11.175	36.16	3.616E+01	1.095E-11
11.274	35.62	3.562E+01	9.677E-12
11.393	36.27	3.627E+01	1.124E-11
11.528	36.35	3.635E+01	1.146E-11
11.627	36.55	3.655E+01	1.200E-11
11.778	36.62	3.662E+01	1.219E-11
11.947	36.90	3.690E+01	1.298E-11
11.986	39.43	3.943E+01	2.324E-11
12.026	37.50	3.750E+01	1.491E-11
12.095	36.63	3.663E+01	1.220E-11
12.276	36.67	3.667E+01	1.233E-11
12.456	36.63	3.663E+01	1.220E-11
12.502	37.62	3.762E+01	1.534E-11
12.505	42.01	4.201E+01	4.213E-11
12.511	36.19	3.619E+01	1.102E-11
12.671	36.67	3.667E+01	1.233E-11
12.748	37.28	3.728E+01	1.418E-11
12.777	36.85	3.685E+01	1.285E-11
12.924	37.49	3.749E+01	1.487E-11
12.966	39.02	3.902E+01	2.118E-11
13.072	37.64	3.764E+01	1.539E-11
13.279	37.84	3.784E+01	1.615E-11

13.374	37.50	3.750E+01	1.491E-11
13.451	38.47	3.847E+01	1.864E-11
13.634	38.54	3.854E+01	1.897E-11
13.746	38.27	3.827E+01	1.781E-11
13.909	38.53	3.853E+01	1.893E-11
13.984	39.19	3.919E+01	2.201E-11
14.091	39.75	3.975E+01	2.505E-11
14.245	40.32	4.032E+01	2.858E-11
14.405	40.59	4.059E+01	3.039E-11
14.521	40.08	4.008E+01	2.702E-11
14.705	40.00	4.000E+01	2.654E-11
14.878	39.54	3.954E+01	2.385E-11
14.988	45.53	4.553E+01	9.481E-11
14.993	40.63	4.063E+01	3.068E-11
14.993	40.04	4.004E+01	2.674E-11
15.023	38.92	3.892E+01	2.067E-11
15.231	38.29	3.829E+01	1.791E-11
15.428	37.89	3.789E+01	1.631E-11
15.504	37.10	3.710E+01	1.361E-11
15.641	38.31	3.831E+01	1.798E-11
15.856	38.07	3.807E+01	1.701E-11
15.893	37.51	3.751E+01	1.495E-11
15.984	38.44	3.844E+01	1.854E-11
16.008	39.39	3.939E+01	2.304E-11
16.108	40.47	4.047E+01	2.958E-11
16.186	40.77	4.077E+01	3.166E-11
16.409	40.51	4.051E+01	2.982E-11
16.547	40.01	4.001E+01	2.659E-11
16.726	40.90	4.090E+01	3.265E-11
16.935	41.66	4.166E+01	3.883E-11
17.04	42.12	4.212E+01	4.318E-11
17.196	41.65	4.165E+01	3.880E-11
17.335	42.49	4.249E+01	4.705E-11
17.524	42.97	4.297E+01	5.256E-11
17.698	43.44	4.344E+01	5.855E-11
17.905	44.21	4.421E+01	6.985E-11