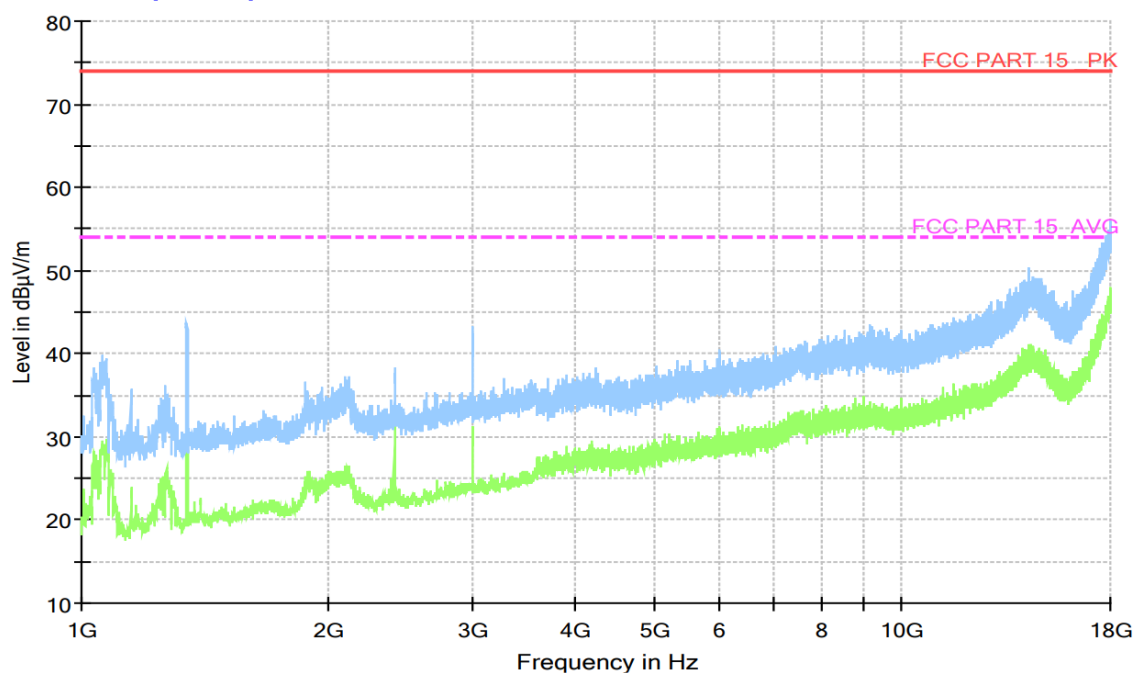


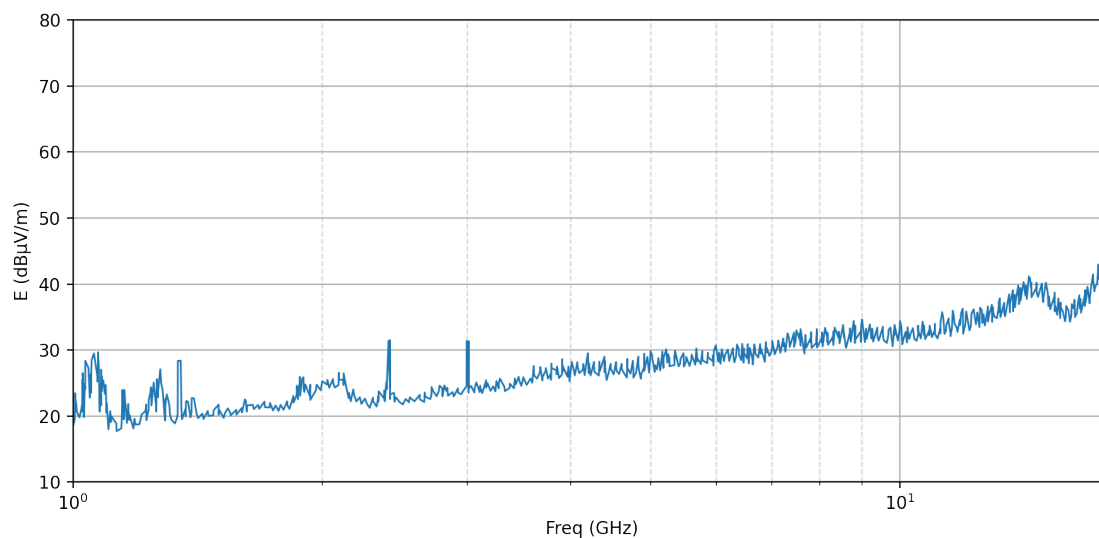
Prepared by: Dr Vitas Anderson (Two Fields Consulting)  
Date: 16 June 2022

FCC ID: ZCAXE315XDA (Configuration 2, Figure/Page 19, Class B 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:  $1.601\text{E-}07 \text{ W/m}^2$   
Device radiated power: 0.0110 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)
0.999	18.38	1.838E+01	1.826E-13
1.005	19.41	1.941E+01	2.318E-13
1.005	20.01	2.001E+01	2.659E-13
1.006	23.47	2.347E+01	5.895E-13
1.006	22.81	2.281E+01	5.063E-13
1.008	21.98	2.198E+01	4.189E-13
1.01	21.36	2.136E+01	3.625E-13
1.011	20.68	2.068E+01	3.100E-13
1.018	19.79	1.979E+01	2.525E-13
1.025	21.56	2.156E+01	3.795E-13
1.025	20.69	2.069E+01	3.107E-13
1.027	25.49	2.549E+01	9.387E-13
1.027	22.69	2.269E+01	4.926E-13
1.027	26.50	2.650E+01	1.186E-12
1.029	23.43	2.343E+01	5.846E-13
1.031	19.83	1.983E+01	2.549E-13
1.033	24.83	2.483E+01	8.061E-13
1.034	24.08	2.408E+01	6.793E-13
1.035	28.36	2.836E+01	1.819E-12
1.044	27.27	2.727E+01	1.415E-12
1.048	22.78	2.278E+01	5.029E-13
1.049	24.15	2.415E+01	6.898E-13
1.05	24.86	2.486E+01	8.130E-13
1.05	25.53	2.553E+01	9.467E-13
1.051	26.31	2.631E+01	1.135E-12
1.051	23.50	2.350E+01	5.933E-13
1.052	27.14	2.714E+01	1.373E-12
1.053	28.51	2.851E+01	1.880E-12
1.06	29.48	2.948E+01	2.356E-12
1.07	26.04	2.604E+01	1.066E-12
1.07	25.22	2.522E+01	8.829E-13
1.072	27.01	2.701E+01	1.331E-12
1.072	29.66	2.966E+01	2.453E-12
1.073	28.79	2.879E+01	2.009E-12
1.074	27.93	2.793E+01	1.647E-12
1.077	20.67	2.067E+01	3.093E-13
1.077	24.78	2.478E+01	7.970E-13
1.081	22.98	2.298E+01	5.271E-13
1.081	22.32	2.232E+01	4.526E-13
1.081	21.66	2.166E+01	3.887E-13
1.081	27.03	2.703E+01	1.339E-12
1.084	23.75	2.375E+01	6.285E-13
1.084	26.00	2.600E+01	1.057E-12
1.086	24.47	2.447E+01	7.417E-13
1.088	25.36	2.536E+01	9.113E-13
1.092	23.40	2.340E+01	5.797E-13

1.095	24.11	2.411E+01	6.836E-13
1.095	24.72	2.472E+01	7.859E-13
1.097	22.65	2.265E+01	4.884E-13
1.098	20.43	2.043E+01	2.931E-13
1.098	21.94	2.194E+01	4.147E-13
1.099	21.30	2.130E+01	3.580E-13
1.104	17.99	1.799E+01	1.670E-13
1.109	20.75	2.075E+01	3.153E-13
1.111	19.10	1.910E+01	2.155E-13
1.113	19.96	1.996E+01	2.628E-13
1.128	18.85	1.885E+01	2.037E-13
1.129	17.72	1.772E+01	1.570E-13
1.144	18.12	1.812E+01	1.719E-13
1.145	18.98	1.898E+01	2.097E-13
1.146	20.92	2.092E+01	3.275E-13
1.147	23.95	2.395E+01	6.583E-13
1.148	21.93	2.193E+01	4.133E-13
1.152	20.13	2.013E+01	2.734E-13
1.152	19.51	1.951E+01	2.370E-13
1.153	21.33	2.133E+01	3.602E-13
1.153	23.98	2.398E+01	6.632E-13
1.162	18.97	1.897E+01	2.090E-13
1.166	21.82	2.182E+01	4.033E-13
1.167	20.86	2.086E+01	3.234E-13
1.17	19.40	1.940E+01	2.311E-13
1.17	20.16	2.016E+01	2.751E-13
1.183	18.11	1.811E+01	1.715E-13
1.187	19.58	1.958E+01	2.407E-13
1.19	18.70	1.870E+01	1.968E-13
1.203	18.77	1.877E+01	1.997E-13
1.207	19.50	1.950E+01	2.362E-13
1.211	20.25	2.025E+01	2.813E-13
1.223	20.74	2.074E+01	3.145E-13
1.226	21.74	2.174E+01	3.962E-13
1.227	19.37	1.937E+01	2.296E-13
1.229	19.99	1.999E+01	2.645E-13
1.235	21.03	2.103E+01	3.360E-13
1.235	22.47	2.247E+01	4.690E-13
1.24	23.40	2.340E+01	5.797E-13
1.242	24.37	2.437E+01	7.258E-13
1.244	21.60	2.160E+01	3.838E-13
1.252	25.08	2.508E+01	8.535E-13
1.26	21.47	2.147E+01	3.718E-13
1.261	20.67	2.067E+01	3.099E-13
1.261	22.29	2.229E+01	4.498E-13
1.263	25.58	2.558E+01	9.593E-13
1.267	22.87	2.287E+01	5.138E-13
1.267	23.74	2.374E+01	6.271E-13
1.275	27.10	2.710E+01	1.359E-12

1.278	24.95	2.495E+01	8.291E-13
1.283	23.95	2.395E+01	6.581E-13
1.285	23.17	2.317E+01	5.501E-13
1.29	20.22	2.022E+01	2.792E-13
1.293	19.30	1.930E+01	2.259E-13
1.293	21.26	2.126E+01	3.543E-13
1.293	22.59	2.259E+01	4.812E-13
1.293	21.87	2.187E+01	4.078E-13
1.298	23.28	2.328E+01	5.651E-13
1.305	22.18	2.218E+01	4.385E-13
1.308	21.38	2.138E+01	3.641E-13
1.309	20.32	2.032E+01	2.857E-13
1.315	19.42	1.942E+01	2.319E-13
1.328	18.89	1.889E+01	2.053E-13
1.335	19.66	1.966E+01	2.450E-13
1.338	20.38	2.038E+01	2.895E-13
1.339	28.36	2.836E+01	1.819E-12
1.35	28.38	2.838E+01	1.825E-12
1.352	21.03	2.103E+01	3.360E-13
1.355	19.53	1.953E+01	2.380E-13
1.367	21.07	2.107E+01	3.391E-13
1.368	19.96	1.996E+01	2.630E-13
1.37	22.25	2.225E+01	4.458E-13
1.377	22.21	2.221E+01	4.407E-13
1.387	19.81	1.981E+01	2.541E-13
1.391	20.56	2.056E+01	3.018E-13
1.391	22.70	2.270E+01	4.942E-13
1.4	22.69	2.269E+01	4.929E-13
1.41	20.42	2.042E+01	2.922E-13
1.416	19.68	1.968E+01	2.464E-13
1.434	20.37	2.037E+01	2.885E-13
1.438	19.55	1.955E+01	2.392E-13
1.455	20.77	2.077E+01	3.165E-13
1.458	20.01	2.001E+01	2.657E-13
1.478	20.13	2.013E+01	2.731E-13
1.48	20.88	2.088E+01	3.249E-13
1.5	21.74	2.174E+01	3.962E-13
1.5	20.17	2.017E+01	2.756E-13
1.502	20.95	2.095E+01	3.303E-13
1.521	19.71	1.971E+01	2.483E-13
1.526	20.44	2.044E+01	2.934E-13
1.539	21.16	2.116E+01	3.468E-13
1.55	20.46	2.046E+01	2.947E-13
1.551	20.11	2.011E+01	2.719E-13
1.576	20.95	2.095E+01	3.300E-13
1.576	20.21	2.021E+01	2.784E-13
1.6	21.22	2.122E+01	3.512E-13
1.601	20.55	2.055E+01	3.008E-13
1.614	22.52	2.252E+01	4.734E-13

## Calculate device radiated power from EMC test data

1.618	22.33	2.233E+01	4.535E-13
1.622	20.68	2.068E+01	3.105E-13
1.624	21.59	2.159E+01	3.827E-13
1.65	21.71	2.171E+01	3.932E-13
1.654	21.05	2.105E+01	3.381E-13
1.674	21.68	2.168E+01	3.906E-13
1.679	21.10	2.110E+01	3.415E-13
1.704	22.18	2.218E+01	4.385E-13
1.706	21.34	2.134E+01	3.611E-13
1.729	21.29	2.129E+01	3.573E-13
1.731	22.00	2.200E+01	4.203E-13
1.745	20.84	2.084E+01	3.219E-13
1.758	21.60	2.160E+01	3.830E-13
1.772	20.79	2.079E+01	3.182E-13
1.783	21.69	2.169E+01	3.912E-13
1.797	20.95	2.095E+01	3.299E-13
1.815	22.23	2.223E+01	4.430E-13
1.817	21.58	2.158E+01	3.814E-13
1.827	21.08	2.108E+01	3.402E-13
1.847	23.04	2.304E+01	5.338E-13
1.848	22.05	2.205E+01	4.254E-13
1.864	23.11	2.311E+01	5.425E-13
1.865	24.60	2.460E+01	7.655E-13
1.871	22.57	2.257E+01	4.792E-13
1.872	23.97	2.397E+01	6.622E-13
1.879	24.95	2.495E+01	8.286E-13
1.88	25.95	2.595E+01	1.043E-12
1.882	23.06	2.306E+01	5.372E-13
1.892	25.60	2.560E+01	9.628E-13
1.9	25.87	2.587E+01	1.025E-12
1.9	24.18	2.418E+01	6.941E-13
1.904	23.65	2.365E+01	6.145E-13
1.909	24.81	2.481E+01	8.021E-13
1.933	23.05	2.305E+01	5.358E-13
1.935	23.93	2.393E+01	6.550E-13
1.936	24.74	2.474E+01	7.909E-13
1.936	22.44	2.244E+01	4.652E-13
1.954	23.28	2.328E+01	5.651E-13
1.966	23.82	2.382E+01	6.399E-13
1.97	24.75	2.475E+01	7.917E-13
1.993	23.90	2.390E+01	6.513E-13
1.997	24.53	2.453E+01	7.534E-13
2.001	25.27	2.527E+01	8.922E-13
2.029	24.76	2.476E+01	7.931E-13
2.031	25.47	2.547E+01	9.347E-13
2.041	24.29	2.429E+01	7.131E-13
2.062	25.60	2.560E+01	9.628E-13
2.065	24.83	2.483E+01	8.061E-13
2.073	24.33	2.433E+01	7.192E-13

2.094	24.71	2.471E+01	7.847E-13
2.096	26.56	2.656E+01	1.200E-12
2.097	25.54	2.554E+01	9.507E-13
2.124	25.47	2.547E+01	9.339E-13
2.124	24.73	2.473E+01	7.884E-13
2.124	26.46	2.646E+01	1.175E-12
2.141	24.28	2.428E+01	7.112E-13
2.155	22.72	2.272E+01	4.968E-13
2.156	23.52	2.352E+01	5.964E-13
2.167	22.25	2.225E+01	4.449E-13
2.182	24.04	2.404E+01	6.731E-13
2.187	23.26	2.326E+01	5.616E-13
2.201	22.21	2.221E+01	4.407E-13
2.222	22.84	2.284E+01	5.106E-13
2.232	21.85	2.185E+01	4.059E-13
2.254	22.65	2.265E+01	4.878E-13
2.269	21.79	2.179E+01	4.007E-13
2.284	21.25	2.125E+01	3.534E-13
2.305	22.78	2.278E+01	5.027E-13
2.306	22.24	2.224E+01	4.441E-13
2.329	21.44	2.144E+01	3.695E-13
2.34	23.01	2.301E+01	5.304E-13
2.34	22.17	2.217E+01	4.376E-13
2.342	23.75	2.375E+01	6.284E-13
2.378	22.64	2.264E+01	4.872E-13
2.378	23.86	2.386E+01	6.457E-13
2.382	22.23	2.223E+01	4.430E-13
2.392	25.11	2.511E+01	8.611E-13
2.395	24.03	2.403E+01	6.707E-13
2.407	31.39	3.139E+01	3.653E-12
2.416	24.94	2.494E+01	8.269E-13
2.416	24.28	2.428E+01	7.101E-13
2.416	31.48	3.148E+01	3.733E-12
2.417	22.56	2.256E+01	4.784E-13
2.42	23.33	2.333E+01	5.705E-13
2.445	23.51	2.351E+01	5.946E-13
2.448	22.17	2.217E+01	4.373E-13
2.457	22.84	2.284E+01	5.106E-13
2.483	22.11	2.211E+01	4.311E-13
2.505	21.75	2.175E+01	3.970E-13
2.525	22.59	2.259E+01	4.819E-13
2.548	22.09	2.209E+01	4.291E-13
2.554	22.84	2.284E+01	5.106E-13
2.587	22.22	2.222E+01	4.422E-13
2.626	23.22	2.322E+01	5.562E-13
2.626	22.51	2.251E+01	4.732E-13
2.659	22.15	2.215E+01	4.348E-13
2.662	23.56	2.356E+01	6.020E-13
2.667	22.93	2.293E+01	5.208E-13

2.703	22.57	2.257E+01	4.792E-13
2.713	23.16	2.316E+01	5.490E-13
2.714	24.39	2.439E+01	7.283E-13
2.726	23.75	2.375E+01	6.295E-13
2.752	23.00	2.300E+01	5.297E-13
2.77	23.81	2.381E+01	6.383E-13
2.774	24.60	2.460E+01	7.655E-13
2.795	24.24	2.424E+01	7.041E-13
2.797	22.97	2.297E+01	5.252E-13
2.813	24.64	2.464E+01	7.721E-13
2.828	23.80	2.380E+01	6.362E-13
2.835	24.28	2.428E+01	7.101E-13
2.84	23.08	2.308E+01	5.391E-13
2.877	23.63	2.363E+01	6.119E-13
2.887	22.97	2.297E+01	5.254E-13
2.921	24.20	2.420E+01	6.982E-13
2.921	23.55	2.355E+01	6.009E-13
2.947	23.30	2.330E+01	5.669E-13
2.969	23.97	2.397E+01	6.614E-13
2.992	24.53	2.453E+01	7.521E-13
2.992	31.39	3.139E+01	3.651E-12
3.008	23.53	2.353E+01	5.979E-13
3.009	31.35	3.135E+01	3.621E-12
3.011	24.59	2.459E+01	7.634E-13
3.012	24.24	2.424E+01	7.041E-13
3.029	24.57	2.457E+01	7.590E-13
3.056	23.56	2.356E+01	6.021E-13
3.061	24.38	2.438E+01	7.267E-13
3.074	25.09	2.509E+01	8.559E-13
3.103	23.63	2.363E+01	6.118E-13
3.107	24.60	2.460E+01	7.655E-13
3.107	24.35	2.435E+01	7.222E-13
3.125	23.47	2.347E+01	5.900E-13
3.159	25.42	2.542E+01	9.246E-13
3.159	24.30	2.430E+01	7.137E-13
3.171	24.98	2.498E+01	8.353E-13
3.198	23.82	2.382E+01	6.394E-13
3.222	24.51	2.451E+01	7.498E-13
3.242	23.74	2.374E+01	6.275E-13
3.251	25.31	2.531E+01	9.011E-13
3.272	24.18	2.418E+01	6.941E-13
3.273	24.95	2.495E+01	8.292E-13
3.282	25.68	2.568E+01	9.819E-13
3.324	24.41	2.441E+01	7.326E-13
3.328	23.76	2.376E+01	6.303E-13
3.372	24.26	2.426E+01	7.075E-13
3.374	24.90	2.490E+01	8.199E-13
3.413	24.20	2.420E+01	6.982E-13
3.422	25.68	2.568E+01	9.819E-13

## Calculate device radiated power from EMC test data

3.43	24.79	2.479E+01	7.997E-13
3.458	25.95	2.595E+01	1.043E-12
3.466	25.32	2.532E+01	9.036E-13
3.485	24.57	2.457E+01	7.602E-13
3.504	25.87	2.587E+01	1.025E-12
3.516	25.38	2.538E+01	9.152E-13
3.536	24.72	2.472E+01	7.859E-13
3.575	25.66	2.566E+01	9.776E-13
3.592	25.03	2.503E+01	8.454E-13
3.606	27.59	2.759E+01	1.521E-12
3.608	27.02	2.702E+01	1.336E-12
3.611	26.15	2.615E+01	1.093E-12
3.641	25.67	2.567E+01	9.792E-13
3.669	26.65	2.665E+01	1.225E-12
3.674	27.44	2.744E+01	1.470E-12
3.694	25.40	2.540E+01	9.190E-13
3.697	25.94	2.594E+01	1.042E-12
3.726	26.79	2.679E+01	1.266E-12
3.731	27.25	2.725E+01	1.409E-12
3.752	25.67	2.567E+01	9.785E-13
3.784	26.46	2.646E+01	1.174E-12
3.784	25.49	2.549E+01	9.387E-13
3.789	27.93	2.793E+01	1.647E-12
3.789	27.27	2.727E+01	1.415E-12
3.843	26.92	2.692E+01	1.305E-12
3.843	26.31	2.631E+01	1.135E-12
3.848	27.51	2.751E+01	1.495E-12
3.871	25.75	2.575E+01	9.970E-13
3.903	26.35	2.635E+01	1.143E-12
3.903	28.61	2.861E+01	1.926E-12
3.908	26.70	2.670E+01	1.241E-12
3.91	27.56	2.756E+01	1.513E-12
3.962	25.95	2.595E+01	1.045E-12
3.966	26.70	2.670E+01	1.241E-12
3.973	27.50	2.750E+01	1.493E-12
3.984	25.27	2.527E+01	8.922E-13
4.01	28.21	2.821E+01	1.757E-12
4.03	27.14	2.714E+01	1.373E-12
4.043	26.16	2.616E+01	1.096E-12
4.073	28.15	2.815E+01	1.733E-12
4.076	27.45	2.745E+01	1.474E-12
4.094	26.50	2.650E+01	1.185E-12
4.136	27.01	2.701E+01	1.333E-12
4.141	27.87	2.787E+01	1.624E-12
4.156	26.20	2.620E+01	1.105E-12
4.184	28.79	2.879E+01	2.009E-12
4.194	29.52	2.952E+01	2.377E-12
4.201	27.18	2.718E+01	1.385E-12
4.204	26.50	2.650E+01	1.185E-12



4.206	27.98	2.798E+01	1.667E-12
4.226	26.15	2.615E+01	1.093E-12
4.266	28.19	2.819E+01	1.748E-12
4.266	27.44	2.744E+01	1.470E-12
4.272	26.70	2.670E+01	1.241E-12
4.324	26.13	2.613E+01	1.089E-12
4.33	28.24	2.824E+01	1.770E-12
4.333	27.55	2.755E+01	1.507E-12
4.337	26.83	2.683E+01	1.277E-12
4.392	29.00	2.900E+01	2.108E-12
4.395	26.64	2.664E+01	1.223E-12
4.398	28.30	2.830E+01	1.795E-12
4.4	27.40	2.740E+01	1.457E-12
4.417	25.45	2.545E+01	9.308E-13
4.437	26.25	2.625E+01	1.119E-12
4.469	27.91	2.791E+01	1.640E-12
4.469	27.18	2.718E+01	1.385E-12
4.506	26.31	2.631E+01	1.134E-12
4.537	28.18	2.818E+01	1.745E-12
4.538	27.36	2.736E+01	1.445E-12
4.544	26.81	2.681E+01	1.273E-12
4.575	26.38	2.638E+01	1.152E-12
4.607	27.90	2.790E+01	1.636E-12
4.609	27.07	2.707E+01	1.350E-12
4.648	26.32	2.632E+01	1.138E-12
4.675	25.83	2.583E+01	1.016E-12
4.681	28.66	2.866E+01	1.947E-12
4.681	27.93	2.793E+01	1.647E-12
4.681	27.27	2.727E+01	1.415E-12
4.722	26.42	2.642E+01	1.163E-12
4.754	28.35	2.835E+01	1.815E-12
4.754	27.69	2.769E+01	1.559E-12
4.76	27.20	2.720E+01	1.391E-12
4.76	25.81	2.581E+01	1.010E-12
4.797	26.60	2.660E+01	1.214E-12
4.826	29.00	2.900E+01	2.108E-12
4.826	28.44	2.844E+01	1.852E-12
4.828	27.60	2.760E+01	1.527E-12
4.834	27.00	2.700E+01	1.331E-12
4.859	25.65	2.565E+01	9.751E-13
4.864	26.25	2.625E+01	1.119E-12
4.903	27.42	2.742E+01	1.463E-12
4.906	28.35	2.835E+01	1.815E-12
4.906	29.45	2.945E+01	2.336E-12
4.907	26.85	2.685E+01	1.286E-12
4.948	28.96	2.896E+01	2.087E-12
4.973	26.58	2.658E+01	1.208E-12
4.973	27.06	2.706E+01	1.348E-12
4.983	27.90	2.790E+01	1.637E-12

4.993	29.82	2.982E+01	2.546E-12
5.012	29.32	2.932E+01	2.270E-12
5.018	28.68	2.868E+01	1.959E-12
5.051	26.69	2.669E+01	1.237E-12
5.056	27.71	2.771E+01	1.565E-12
5.084	27.06	2.706E+01	1.348E-12
5.103	28.78	2.878E+01	2.004E-12
5.13	26.92	2.692E+01	1.305E-12
5.14	27.80	2.780E+01	1.599E-12
5.16	29.79	2.979E+01	2.525E-12
5.176	27.28	2.728E+01	1.418E-12
5.177	28.75	2.875E+01	1.988E-12
5.216	30.12	3.012E+01	2.725E-12
5.231	28.09	2.809E+01	1.709E-12
5.243	29.38	2.938E+01	2.301E-12
5.261	28.79	2.879E+01	2.009E-12
5.264	27.55	2.755E+01	1.508E-12
5.337	27.72	2.772E+01	1.569E-12
5.339	29.23	2.923E+01	2.224E-12
5.339	28.57	2.857E+01	1.910E-12
5.346	29.90	2.990E+01	2.590E-12
5.398	27.54	2.754E+01	1.505E-12
5.422	27.91	2.791E+01	1.640E-12
5.428	28.66	2.866E+01	1.949E-12
5.474	29.52	2.952E+01	2.376E-12
5.478	27.50	2.750E+01	1.491E-12
5.511	28.22	2.822E+01	1.761E-12
5.514	28.97	2.897E+01	2.094E-12
5.567	27.58	2.758E+01	1.520E-12
5.592	28.52	2.852E+01	1.886E-12
5.6	29.30	2.930E+01	2.260E-12
5.656	27.76	2.776E+01	1.585E-12
5.672	30.23	3.023E+01	2.795E-12
5.678	28.24	2.824E+01	1.770E-12
5.68	29.55	2.955E+01	2.390E-12
5.68	28.89	2.889E+01	2.052E-12
5.743	27.88	2.788E+01	1.628E-12
5.768	29.82	2.982E+01	2.546E-12
5.768	29.16	2.916E+01	2.187E-12
5.771	28.43	2.843E+01	1.849E-12
5.846	28.01	2.801E+01	1.679E-12
5.858	29.60	2.960E+01	2.420E-12
5.858	28.94	2.894E+01	2.079E-12
5.934	28.32	2.832E+01	1.800E-12
5.942	29.16	2.916E+01	2.187E-12
5.949	27.63	2.763E+01	1.536E-12
5.955	29.83	2.983E+01	2.551E-12
5.988	30.71	3.071E+01	3.123E-12
6.03	28.25	2.825E+01	1.774E-12

6.041	29.63	2.963E+01	2.435E-12
6.05	29.01	2.901E+01	2.114E-12
6.065	27.91	2.791E+01	1.640E-12
6.089	30.12	3.012E+01	2.725E-12
6.127	28.30	2.830E+01	1.795E-12
6.144	29.29	2.929E+01	2.252E-12
6.192	30.07	3.007E+01	2.694E-12
6.216	28.35	2.835E+01	1.815E-12
6.238	29.05	2.905E+01	2.129E-12
6.28	30.26	3.026E+01	2.818E-12
6.282	29.63	2.963E+01	2.437E-12
6.305	28.13	2.813E+01	1.723E-12
6.335	28.98	2.898E+01	2.099E-12
6.351	30.84	3.084E+01	3.219E-12
6.386	30.09	3.009E+01	2.707E-12
6.386	29.32	2.932E+01	2.267E-12
6.428	28.46	2.846E+01	1.862E-12
6.446	30.93	3.093E+01	3.287E-12
6.469	28.08	2.808E+01	1.704E-12
6.478	30.23	3.023E+01	2.795E-12
6.478	29.57	2.957E+01	2.400E-12
6.531	28.75	2.875E+01	1.987E-12
6.545	30.89	3.089E+01	3.254E-12
6.563	27.98	2.798E+01	1.667E-12
6.578	29.57	2.957E+01	2.400E-12
6.582	30.31	3.031E+01	2.846E-12
6.63	28.77	2.877E+01	1.997E-12
6.638	27.80	2.780E+01	1.599E-12
6.664	30.85	3.085E+01	3.227E-12
6.681	30.19	3.019E+01	2.771E-12
6.681	29.53	2.953E+01	2.380E-12
6.74	28.86	2.886E+01	2.040E-12
6.774	30.90	3.090E+01	3.266E-12
6.787	29.46	2.946E+01	2.340E-12
6.791	30.18	3.018E+01	2.764E-12
6.842	28.85	2.885E+01	2.035E-12
6.864	28.21	2.821E+01	1.755E-12
6.882	31.21	3.121E+01	3.501E-12
6.896	29.63	2.963E+01	2.437E-12
6.897	30.34	3.034E+01	2.866E-12
6.953	29.10	2.910E+01	2.156E-12
6.998	29.97	2.997E+01	2.634E-12
7.007	30.72	3.072E+01	3.132E-12
7.007	31.38	3.138E+01	3.648E-12
7.056	29.36	2.936E+01	2.287E-12
7.115	30.58	3.058E+01	3.031E-12
7.126	31.46	3.146E+01	3.710E-12
7.168	29.58	2.958E+01	2.409E-12
7.225	31.75	3.175E+01	3.972E-12

7.228	30.56	3.056E+01	3.016E-12
7.242	31.11	3.111E+01	3.423E-12
7.268	29.75	2.975E+01	2.504E-12
7.312	32.52	3.252E+01	4.741E-12
7.337	31.94	3.194E+01	4.148E-12
7.35	31.18	3.118E+01	3.482E-12
7.356	30.49	3.049E+01	2.967E-12
7.445	32.65	3.265E+01	4.883E-12
7.445	31.99	3.199E+01	4.194E-12
7.445	30.47	3.047E+01	2.959E-12
7.474	31.21	3.121E+01	3.506E-12
7.496	32.99	3.299E+01	5.280E-12
7.561	31.64	3.164E+01	3.870E-12
7.565	32.56	3.256E+01	4.783E-12
7.581	30.67	3.067E+01	3.096E-12
7.582	33.18	3.318E+01	5.512E-12
7.664	29.46	2.946E+01	2.340E-12
7.679	31.35	3.135E+01	3.617E-12
7.683	32.28	3.228E+01	4.484E-12
7.703	30.37	3.037E+01	2.890E-12
7.799	31.82	3.182E+01	4.037E-12
7.799	31.16	3.116E+01	3.467E-12
7.806	32.72	3.272E+01	4.961E-12
7.819	30.33	3.033E+01	2.859E-12
7.92	31.05	3.105E+01	3.380E-12
7.92	31.71	3.171E+01	3.936E-12
7.93	32.54	3.254E+01	4.761E-12
7.933	33.18	3.318E+01	5.512E-12
7.937	30.39	3.039E+01	2.903E-12
8.044	31.81	3.181E+01	4.020E-12
8.044	31.14	3.114E+01	3.452E-12
8.052	32.67	3.267E+01	4.908E-12
8.064	30.55	3.055E+01	3.011E-12
8.117	33.36	3.336E+01	5.744E-12
8.169	31.90	3.190E+01	4.106E-12
8.169	31.25	3.125E+01	3.534E-12
8.177	32.62	3.262E+01	4.848E-12
8.184	30.79	3.079E+01	3.181E-12
8.296	32.01	3.201E+01	4.211E-12
8.296	31.35	3.135E+01	3.617E-12
8.307	32.81	3.281E+01	5.066E-12
8.307	30.75	3.075E+01	3.155E-12
8.338	33.40	3.340E+01	5.803E-12
8.426	31.86	3.186E+01	4.071E-12
8.431	32.80	3.280E+01	5.055E-12
8.452	31.02	3.102E+01	3.355E-12
8.536	33.81	3.381E+01	6.378E-12
8.542	33.26	3.326E+01	5.614E-12
8.557	31.90	3.190E+01	4.106E-12

8.557	32.56	3.256E+01	4.781E-12
8.588	31.07	3.107E+01	3.393E-12
8.607	30.34	3.034E+01	2.866E-12
8.69	32.47	3.247E+01	4.681E-12
8.69	31.81	3.181E+01	4.020E-12
8.702	33.28	3.328E+01	5.650E-12
8.721	31.27	3.127E+01	3.550E-12
8.792	34.41	3.441E+01	7.328E-12
8.824	31.06	3.106E+01	3.389E-12
8.826	33.68	3.368E+01	6.188E-12
8.826	33.02	3.302E+01	5.314E-12
8.826	32.36	3.236E+01	4.564E-12
8.849	31.71	3.171E+01	3.936E-12
8.963	32.80	3.280E+01	5.051E-12
8.963	32.14	3.214E+01	4.338E-12
8.969	31.21	3.121E+01	3.503E-12
8.975	33.63	3.363E+01	6.119E-12
8.998	34.63	3.463E+01	7.710E-12
9.068	31.20	3.120E+01	3.496E-12
9.099	33.24	3.324E+01	5.591E-12
9.103	32.43	3.243E+01	4.642E-12
9.115	31.69	3.169E+01	3.911E-12
9.195	33.88	3.388E+01	6.488E-12
9.237	31.72	3.172E+01	3.943E-12
9.245	32.43	3.243E+01	4.642E-12
9.257	33.23	3.323E+01	5.579E-12
9.281	31.27	3.127E+01	3.556E-12
9.389	33.40	3.340E+01	5.808E-12
9.389	32.74	3.274E+01	4.988E-12
9.389	32.08	3.208E+01	4.283E-12
9.426	31.42	3.142E+01	3.677E-12
9.535	33.53	3.353E+01	5.982E-12
9.535	32.94	3.294E+01	5.225E-12
9.535	32.28	3.228E+01	4.487E-12
9.555	31.50	3.150E+01	3.751E-12
9.641	31.08	3.108E+01	3.402E-12
9.684	32.36	3.236E+01	4.564E-12
9.684	33.02	3.302E+01	5.314E-12
9.738	33.40	3.340E+01	5.803E-12
9.772	31.71	3.171E+01	3.936E-12
9.794	31.06	3.106E+01	3.386E-12
9.797	30.57	3.057E+01	3.025E-12
9.841	33.11	3.311E+01	5.430E-12
9.848	32.26	3.226E+01	4.468E-12
9.849	33.81	3.381E+01	6.378E-12
9.943	31.42	3.142E+01	3.677E-12
9.988	33.09	3.309E+01	5.405E-12
9.988	32.43	3.243E+01	4.642E-12
10.001	34.41	3.441E+01	7.328E-12

10.037	33.60	3.360E+01	6.074E-12
10.066	30.89	3.089E+01	3.254E-12
10.102	31.74	3.174E+01	3.956E-12
10.157	32.73	3.273E+01	4.977E-12
10.197	31.14	3.114E+01	3.445E-12
10.213	33.45	3.345E+01	5.875E-12
10.26	31.66	3.166E+01	3.886E-12
10.302	32.50	3.250E+01	4.721E-12
10.366	33.31	3.331E+01	5.686E-12
10.409	31.65	3.165E+01	3.882E-12
10.476	31.40	3.140E+01	3.663E-12
10.517	32.36	3.236E+01	4.564E-12
10.517	33.68	3.368E+01	6.188E-12
10.517	33.02	3.302E+01	5.314E-12
10.597	31.75	3.175E+01	3.965E-12
10.651	34.30	3.430E+01	7.145E-12
10.681	32.96	3.296E+01	5.247E-12
10.689	32.30	3.230E+01	4.502E-12
10.691	33.71	3.371E+01	6.225E-12
10.726	31.64	3.164E+01	3.872E-12
10.847	32.94	3.294E+01	5.225E-12
10.849	32.24	3.224E+01	4.444E-12
10.861	33.70	3.370E+01	6.214E-12
10.931	31.95	3.195E+01	4.154E-12
11.016	33.04	3.304E+01	5.337E-12
11.023	33.97	3.397E+01	6.621E-12
11.025	32.41	3.241E+01	4.618E-12
11.102	31.75	3.175E+01	3.969E-12
11.188	33.27	3.327E+01	5.638E-12
11.188	32.52	3.252E+01	4.738E-12
11.194	34.17	3.417E+01	6.930E-12
11.246	35.74	3.574E+01	9.936E-12
11.285	34.74	3.474E+01	7.908E-12
11.319	32.43	3.243E+01	4.642E-12
11.37	32.94	3.294E+01	5.220E-12
11.373	33.72	3.372E+01	6.248E-12
11.451	34.78	3.478E+01	7.975E-12
11.454	34.15	3.415E+01	6.895E-12
11.51	32.57	3.257E+01	4.791E-12
11.51	32.10	3.210E+01	4.301E-12
11.554	33.22	3.322E+01	5.567E-12
11.584	35.96	3.596E+01	1.045E-11
11.614	35.25	3.525E+01	8.887E-12
11.629	34.60	3.460E+01	7.645E-12
11.638	34.02	3.402E+01	6.689E-12
11.724	33.23	3.323E+01	5.583E-12
11.735	32.73	3.273E+01	4.977E-12
11.813	34.59	3.459E+01	7.632E-12
11.826	33.81	3.381E+01	6.374E-12

11.852	35.55	3.555E+01	9.513E-12
11.911	36.27	3.627E+01	1.124E-11
11.922	33.30	3.330E+01	5.666E-12
11.924	32.45	3.245E+01	4.665E-12
11.995	33.90	3.390E+01	6.510E-12
12.01	34.69	3.469E+01	7.808E-12
12.01	35.21	3.521E+01	8.808E-12
12.025	35.83	3.583E+01	1.015E-11
12.134	32.96	3.296E+01	5.247E-12
12.181	33.58	3.358E+01	6.046E-12
12.189	34.46	3.446E+01	7.413E-12
12.206	35.55	3.555E+01	9.513E-12
12.276	36.18	3.618E+01	1.100E-11
12.355	33.91	3.391E+01	6.519E-12
12.387	34.85	3.485E+01	8.111E-12
12.403	35.68	3.568E+01	9.811E-12
12.479	33.47	3.347E+01	5.896E-12
12.496	36.42	3.642E+01	1.163E-11
12.561	36.04	3.604E+01	1.067E-11
12.568	34.85	3.485E+01	8.111E-12
12.58	34.10	3.410E+01	6.820E-12
12.619	35.43	3.543E+01	9.255E-12
12.665	33.71	3.371E+01	6.230E-12
12.762	36.12	3.612E+01	1.084E-11
12.772	36.61	3.661E+01	1.214E-11
12.777	34.33	3.433E+01	7.185E-12
12.805	35.14	3.514E+01	8.658E-12
12.917	36.87	3.687E+01	1.289E-11
12.922	34.27	3.427E+01	7.090E-12
12.959	36.49	3.649E+01	1.182E-11
12.959	35.83	3.583E+01	1.015E-11
13.004	35.08	3.508E+01	8.549E-12
13.097	34.81	3.481E+01	8.029E-12
13.161	36.38	3.638E+01	1.152E-11
13.161	35.72	3.572E+01	9.894E-12
13.167	37.23	3.723E+01	1.401E-11
13.202	37.84	3.784E+01	1.612E-11
13.229	34.98	3.498E+01	8.355E-12
13.366	37.17	3.717E+01	1.382E-11
13.366	36.29	3.629E+01	1.128E-11
13.366	35.63	3.563E+01	9.687E-12
13.401	35.12	3.512E+01	8.624E-12
13.552	38.43	3.843E+01	1.849E-11
13.553	37.87	3.787E+01	1.625E-11
13.574	36.29	3.629E+01	1.128E-11
13.574	35.72	3.572E+01	9.894E-12
13.587	37.04	3.704E+01	1.342E-11
13.695	39.07	3.907E+01	2.139E-11
13.697	35.87	3.587E+01	1.026E-11

13.759	38.37	3.837E+01	1.822E-11
13.776	36.48	3.648E+01	1.180E-11
13.799	37.36	3.736E+01	1.443E-11
13.899	39.77	3.977E+01	2.518E-11
13.929	36.95	3.695E+01	1.313E-11
13.965	38.67	3.867E+01	1.955E-11
13.965	38.02	3.802E+01	1.682E-11
13.983	39.43	3.943E+01	2.325E-11
13.99	37.48	3.748E+01	1.484E-11
14.11	40.31	4.031E+01	2.848E-11
14.183	38.27	3.827E+01	1.781E-11
14.183	38.93	3.893E+01	2.074E-11
14.201	39.74	3.974E+01	2.500E-11
14.232	37.73	3.773E+01	1.574E-11
14.318	41.15	4.115E+01	3.459E-11
14.367	40.79	4.079E+01	3.179E-11
14.404	39.45	3.945E+01	2.334E-11
14.417	40.19	4.019E+01	2.771E-11
14.422	38.66	3.866E+01	1.946E-11
14.422	38.01	3.801E+01	1.677E-11
14.628	39.50	3.950E+01	2.364E-11
14.628	40.16	4.016E+01	2.753E-11
14.628	38.84	3.884E+01	2.030E-11
14.685	38.06	3.806E+01	1.695E-11
14.845	40.08	4.008E+01	2.700E-11
14.856	39.45	3.945E+01	2.334E-11
14.856	38.78	3.878E+01	2.005E-11
14.895	37.25	3.725E+01	1.408E-11
14.914	37.93	3.793E+01	1.646E-11
15.01	40.20	4.020E+01	2.776E-11
15.049	39.45	3.945E+01	2.339E-11
15.088	38.77	3.877E+01	1.996E-11
15.124	36.67	3.667E+01	1.233E-11
15.127	37.39	3.739E+01	1.454E-11
15.141	38.13	3.813E+01	1.724E-11
15.192	36.19	3.619E+01	1.102E-11
15.36	37.99	3.799E+01	1.668E-11
15.362	37.26	3.726E+01	1.411E-11
15.382	38.71	3.871E+01	1.971E-11
15.388	35.87	3.587E+01	1.025E-11
15.416	36.65	3.665E+01	1.226E-11
15.488	35.34	3.534E+01	9.066E-12
15.542	37.83	3.783E+01	1.609E-11
15.622	34.81	3.481E+01	8.020E-12
15.642	37.17	3.717E+01	1.382E-11
15.642	36.51	3.651E+01	1.187E-11
15.743	35.79	3.579E+01	1.006E-11
15.833	34.36	3.436E+01	7.236E-12
15.866	35.01	3.501E+01	8.414E-12



15.886	36.67	3.667E+01	1.233E-11
15.989	35.97	3.597E+01	1.049E-11
16.054	34.29	3.429E+01	7.119E-12
16.113	35.20	3.520E+01	8.777E-12
16.134	36.95	3.695E+01	1.313E-11
16.217	36.29	3.629E+01	1.128E-11
16.259	37.61	3.761E+01	1.529E-11
16.28	35.00	3.500E+01	8.390E-12
16.364	35.56	3.556E+01	9.552E-12
16.406	37.00	3.700E+01	1.330E-11
16.476	38.28	3.828E+01	1.786E-11
16.497	36.32	3.632E+01	1.136E-11
16.534	37.73	3.773E+01	1.573E-11
16.555	35.65	3.565E+01	9.749E-12
16.727	38.27	3.827E+01	1.781E-11
16.727	36.67	3.667E+01	1.233E-11
16.748	39.08	3.908E+01	2.145E-11
16.748	37.09	3.709E+01	1.359E-11
16.785	37.61	3.761E+01	1.529E-11
16.854	39.59	3.959E+01	2.412E-11
16.957	37.07	3.707E+01	1.351E-11
16.965	37.87	3.787E+01	1.623E-11
16.987	38.49	3.849E+01	1.874E-11
17.009	39.22	3.922E+01	2.219E-11
17.047	40.02	4.002E+01	2.663E-11
17.119	41.47	4.147E+01	3.717E-11
17.119	40.80	4.080E+01	3.192E-11
17.185	38.89	3.889E+01	2.056E-11
17.208	39.48	3.948E+01	2.354E-11
17.314	40.10	4.010E+01	2.714E-11
17.359	42.15	4.215E+01	4.350E-11
17.361	42.91	4.291E+01	5.178E-11
17.402	41.32	4.132E+01	3.598E-11
17.408	40.73	4.073E+01	3.138E-11
17.437	43.15	4.315E+01	5.473E-11
17.544	41.19	4.119E+01	3.488E-11
17.584	44.02	4.402E+01	6.696E-11
17.605	44.66	4.466E+01	7.752E-11
17.634	41.84	4.184E+01	4.052E-11
17.68	42.56	4.256E+01	4.783E-11
17.725	43.26	4.326E+01	5.625E-11
17.84	44.72	4.472E+01	7.856E-11
17.84	44.09	4.409E+01	6.804E-11
17.858	45.61	4.561E+01	9.648E-11
17.973	46.70	4.670E+01	1.240E-10
18.002	47.71	4.771E+01	1.565E-10
18.025	45.71	4.571E+01	9.871E-11
18.025	45.07	4.507E+01	8.531E-11