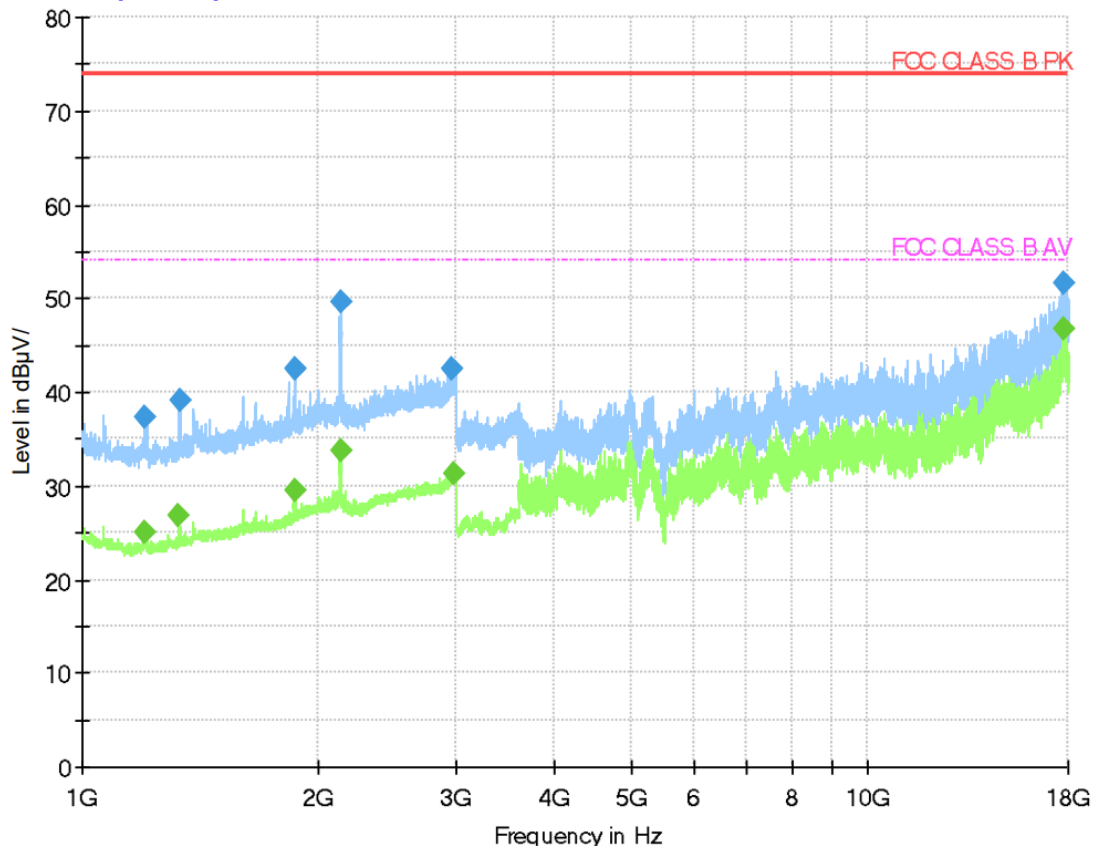


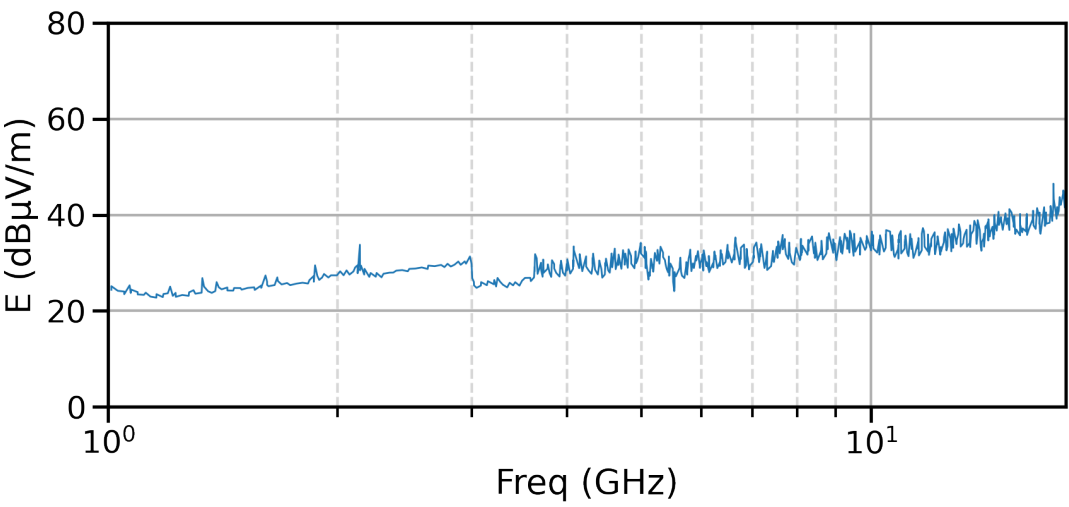
Prepared by: Dr Vitas Anderson (Two Fields Consulting)  
Date: 09 June 2022

FCC ID: A3LSMT978U (Configuration 5, Figure 27, Class B device)  
Frequency span: 1 GHz to 18 GHz  
RBW: 0.001 GHz, distance: 3 m  
Peak-to-average correction: -0.00 dB  
No. of sample points: 17,000  
Cumulative S level:  $1.706\text{E-}07 \text{ W/m}^2$   
Device radiated power: 0.0118 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)
1.01	24.38	2.438E+01	7.273E-13
1.01	25.14	2.514E+01	8.658E-13
1.03	24.17	2.417E+01	6.923E-13
1.051	24.02	2.402E+01	6.689E-13
1.051	23.47	2.347E+01	5.892E-13
1.068	25.31	2.531E+01	9.019E-13
1.071	23.71	2.371E+01	6.234E-13
1.073	24.41	2.441E+01	7.323E-13
1.094	23.90	2.390E+01	6.509E-13
1.094	23.42	2.342E+01	5.829E-13
1.115	23.32	2.332E+01	5.700E-13
1.121	23.78	2.378E+01	6.335E-13
1.137	22.96	2.296E+01	5.245E-13
1.158	22.74	2.274E+01	4.990E-13
1.158	23.47	2.347E+01	5.892E-13
1.18	22.86	2.286E+01	5.125E-13
1.182	23.51	2.351E+01	5.946E-13
1.198	23.65	2.365E+01	6.143E-13
1.207	25.04	2.504E+01	8.468E-13
1.216	23.11	2.311E+01	5.431E-13
1.227	23.75	2.375E+01	6.287E-13
1.227	22.92	2.292E+01	5.190E-13
1.252	23.29	2.329E+01	5.663E-13
1.276	23.12	2.312E+01	5.443E-13
1.278	23.85	2.385E+01	6.434E-13
1.295	24.29	2.429E+01	7.126E-13
1.302	23.57	2.357E+01	6.033E-13
1.327	23.78	2.378E+01	6.328E-13
1.33	26.82	2.682E+01	1.276E-12
1.337	25.04	2.504E+01	8.472E-13
1.353	24.09	2.409E+01	6.795E-13
1.368	23.74	2.374E+01	6.271E-13
1.383	24.11	2.411E+01	6.838E-13
1.388	25.98	2.598E+01	1.052E-12
1.397	24.90	2.490E+01	8.200E-13
1.409	24.48	2.448E+01	7.442E-13
1.434	24.86	2.486E+01	8.126E-13
1.434	24.23	2.423E+01	7.030E-13
1.46	24.21	2.421E+01	6.991E-13
1.463	24.75	2.475E+01	7.927E-13
1.492	24.74	2.474E+01	7.894E-13
1.497	24.42	2.442E+01	7.331E-13
1.525	24.77	2.477E+01	7.954E-13
1.555	24.90	2.490E+01	8.191E-13
1.558	24.35	2.435E+01	7.224E-13
1.588	25.28	2.528E+01	8.937E-13

1.588	24.78	2.478E+01	7.981E-13
1.609	27.36	2.736E+01	1.445E-12
1.617	26.06	2.606E+01	1.071E-12
1.617	25.40	2.540E+01	9.204E-13
1.623	25.12	2.512E+01	8.629E-13
1.654	25.36	2.536E+01	9.121E-13
1.667	26.97	2.697E+01	1.319E-12
1.671	26.19	2.619E+01	1.104E-12
1.689	25.50	2.550E+01	9.408E-13
1.717	25.79	2.579E+01	1.005E-12
1.734	25.35	2.535E+01	9.095E-13
1.766	25.66	2.566E+01	9.760E-13
1.799	25.85	2.585E+01	1.020E-12
1.829	25.68	2.568E+01	9.811E-13
1.837	26.40	2.640E+01	1.158E-12
1.862	27.27	2.727E+01	1.415E-12
1.862	26.06	2.606E+01	1.071E-12
1.869	29.48	2.948E+01	2.352E-12
1.881	27.29	2.729E+01	1.421E-12
1.892	26.44	2.644E+01	1.167E-12
1.909	26.95	2.695E+01	1.313E-12
1.92	27.67	2.767E+01	1.553E-12
1.945	26.94	2.694E+01	1.310E-12
1.961	27.40	2.740E+01	1.458E-12
1.996	27.39	2.739E+01	1.454E-12
2.016	28.23	2.823E+01	1.763E-12
2.037	27.41	2.741E+01	1.461E-12
2.055	28.42	2.842E+01	1.844E-12
2.073	27.54	2.754E+01	1.507E-12
2.098	28.21	2.821E+01	1.755E-12
2.109	29.05	2.905E+01	2.132E-12
2.125	29.49	2.949E+01	2.359E-12
2.125	27.83	2.783E+01	1.609E-12
2.139	33.77	3.377E+01	6.317E-12
2.14	28.43	2.843E+01	1.847E-12
2.147	29.41	2.941E+01	2.313E-12
2.167	27.55	2.755E+01	1.509E-12
2.17	28.74	2.874E+01	1.983E-12
2.201	27.07	2.707E+01	1.351E-12
2.21	27.88	2.788E+01	1.627E-12
2.245	27.10	2.710E+01	1.361E-12
2.25	27.89	2.789E+01	1.631E-12
2.284	26.98	2.698E+01	1.323E-12
2.297	27.73	2.773E+01	1.571E-12
2.34	27.95	2.795E+01	1.656E-12
2.367	27.97	2.797E+01	1.662E-12
2.388	28.37	2.837E+01	1.823E-12
2.431	28.48	2.848E+01	1.871E-12
2.472	28.24	2.824E+01	1.767E-12

## Calculate device radiated power from EMC test data

2.483	28.74	2.874E+01	1.983E-12
2.529	28.81	2.881E+01	2.015E-12
2.579	29.04	2.904E+01	2.125E-12
2.625	28.72	2.872E+01	1.976E-12
2.629	29.43	2.943E+01	2.324E-12
2.681	29.30	2.930E+01	2.259E-12
2.734	29.56	2.956E+01	2.398E-12
2.761	29.10	2.910E+01	2.157E-12
2.787	29.80	2.980E+01	2.532E-12
2.815	29.23	2.923E+01	2.221E-12
2.847	29.62	2.962E+01	2.428E-12
2.879	30.27	3.027E+01	2.823E-12
2.9	29.59	2.959E+01	2.412E-12
2.936	30.30	3.030E+01	2.842E-12
2.947	29.82	2.982E+01	2.544E-12
2.983	31.33	3.133E+01	3.604E-12
2.997	29.76	2.976E+01	2.510E-12
3.003	26.79	2.679E+01	1.267E-12
3.018	26.02	2.602E+01	1.062E-12
3.019	25.29	2.529E+01	8.966E-13
3.042	24.78	2.478E+01	7.981E-13
3.082	25.26	2.526E+01	8.897E-13
3.084	25.98	2.598E+01	1.051E-12
3.139	25.33	2.533E+01	9.059E-13
3.148	26.18	2.618E+01	1.101E-12
3.204	25.53	2.553E+01	9.479E-13
3.21	26.42	2.642E+01	1.162E-12
3.228	25.07	2.507E+01	8.525E-13
3.241	26.85	2.685E+01	1.284E-12
3.267	26.04	2.604E+01	1.066E-12
3.294	25.44	2.544E+01	9.283E-13
3.337	24.88	2.488E+01	8.163E-13
3.362	25.84	2.584E+01	1.017E-12
3.397	25.30	2.530E+01	8.998E-13
3.419	25.96	2.596E+01	1.047E-12
3.463	25.25	2.525E+01	8.880E-13
3.49	26.25	2.625E+01	1.119E-12
3.521	26.86	2.686E+01	1.286E-12
3.578	26.87	2.687E+01	1.291E-12
3.584	26.18	2.618E+01	1.101E-12
3.619	26.97	2.697E+01	1.319E-12
3.625	29.05	2.905E+01	2.132E-12
3.625	28.31	2.831E+01	1.796E-12
3.627	30.01	3.001E+01	2.659E-12
3.63	31.80	3.180E+01	4.019E-12
3.648	30.94	3.094E+01	3.293E-12
3.658	27.69	2.769E+01	1.559E-12
3.696	30.02	3.002E+01	2.662E-12
3.696	29.31	2.931E+01	2.261E-12

## Calculate device radiated power from EMC test data

3.696	28.60	2.860E+01	1.921E-12
3.714	27.10	2.710E+01	1.360E-12
3.72	30.68	3.068E+01	3.105E-12
3.726	27.94	2.794E+01	1.651E-12
3.768	28.76	2.876E+01	1.992E-12
3.773	29.68	2.968E+01	2.464E-12
3.793	27.86	2.786E+01	1.620E-12
3.811	27.07	2.707E+01	1.351E-12
3.82	30.54	3.054E+01	3.004E-12
3.846	29.73	2.973E+01	2.491E-12
3.846	28.81	2.881E+01	2.016E-12
3.87	27.90	2.790E+01	1.637E-12
3.909	27.13	2.713E+01	1.370E-12
3.918	29.48	2.948E+01	2.355E-12
3.918	28.78	2.878E+01	2.001E-12
3.926	30.45	3.045E+01	2.941E-12
3.948	27.96	2.796E+01	1.659E-12
3.975	27.32	2.732E+01	1.431E-12
3.995	29.78	2.978E+01	2.521E-12
3.995	29.07	2.907E+01	2.142E-12
3.999	28.41	2.841E+01	1.838E-12
4.001	30.73	3.073E+01	3.138E-12
4.036	27.75	2.775E+01	1.581E-12
4.071	28.76	2.876E+01	1.992E-12
4.073	30.59	3.059E+01	3.035E-12
4.073	29.88	2.988E+01	2.579E-12
4.073	29.18	2.918E+01	2.196E-12
4.076	31.58	3.158E+01	3.816E-12
4.08	33.42	3.342E+01	5.826E-12
4.08	32.71	3.271E+01	4.950E-12
4.147	28.88	2.888E+01	2.052E-12
4.153	29.68	2.968E+01	2.464E-12
4.153	30.39	3.039E+01	2.901E-12
4.153	31.10	3.110E+01	3.414E-12
4.153	31.80	3.180E+01	4.019E-12
4.186	28.25	2.825E+01	1.774E-12
4.235	31.35	3.135E+01	3.622E-12
4.235	30.64	3.064E+01	3.077E-12
4.235	29.94	2.994E+01	2.614E-12
4.235	29.23	2.923E+01	2.221E-12
4.265	28.45	2.845E+01	1.856E-12
4.304	27.70	2.770E+01	1.563E-12
4.318	29.29	2.929E+01	2.251E-12
4.318	30.93	3.093E+01	3.287E-12
4.318	30.00	3.000E+01	2.650E-12
4.325	31.92	3.192E+01	4.130E-12
4.351	28.57	2.857E+01	1.908E-12
4.388	27.55	2.755E+01	1.509E-12
4.403	29.48	2.948E+01	2.355E-12

4.406	30.49	3.049E+01	2.966E-12
4.435	28.65	2.865E+01	1.943E-12
4.446	26.91	2.691E+01	1.301E-12
4.481	27.57	2.757E+01	1.515E-12
4.489	30.05	3.005E+01	2.686E-12
4.489	29.35	2.935E+01	2.282E-12
4.497	30.88	3.088E+01	3.246E-12
4.526	28.44	2.844E+01	1.853E-12
4.548	27.94	2.794E+01	1.651E-12
4.574	31.95	3.195E+01	4.158E-12
4.578	30.43	3.043E+01	2.927E-12
4.578	29.72	2.972E+01	2.487E-12
4.578	31.14	3.114E+01	3.446E-12
4.582	29.07	2.907E+01	2.140E-12
4.617	32.96	3.296E+01	5.250E-12
4.63	28.67	2.867E+01	1.953E-12
4.668	30.96	3.096E+01	3.308E-12
4.668	30.25	3.025E+01	2.810E-12
4.668	29.54	2.954E+01	2.388E-12
4.671	31.72	3.172E+01	3.942E-12
4.711	28.75	2.875E+01	1.989E-12
4.734	32.65	3.265E+01	4.880E-12
4.759	30.35	3.035E+01	2.875E-12
4.759	29.64	2.964E+01	2.442E-12
4.759	31.06	3.106E+01	3.384E-12
4.767	31.92	3.192E+01	4.130E-12
4.802	28.97	2.897E+01	2.090E-12
4.814	32.81	3.281E+01	5.063E-12
4.85	31.42	3.142E+01	3.682E-12
4.853	30.55	3.055E+01	3.008E-12
4.853	29.84	2.984E+01	2.555E-12
4.9	28.86	2.886E+01	2.042E-12
4.918	32.39	3.239E+01	4.604E-12
4.924	29.92	2.992E+01	2.602E-12
4.94	30.41	3.041E+01	2.917E-12
4.956	31.20	3.120E+01	3.498E-12
4.995	34.18	3.418E+01	6.947E-12
4.996	33.38	3.338E+01	5.774E-12
4.996	32.67	3.267E+01	4.905E-12
4.996	31.96	3.196E+01	4.167E-12
5.052	31.05	3.105E+01	3.378E-12
5.053	33.34	3.334E+01	5.722E-12
5.07	28.88	2.888E+01	2.052E-12
5.07	32.39	3.239E+01	4.604E-12
5.078	31.75	3.175E+01	3.965E-12
5.081	29.81	2.981E+01	2.540E-12
5.111	26.49	2.649E+01	1.183E-12
5.119	27.99	2.799E+01	1.670E-12
5.132	27.28	2.728E+01	1.417E-12

## Calculate device radiated power from EMC test data

5.151	30.83	3.083E+01	3.212E-12
5.178	28.78	2.878E+01	2.001E-12
5.185	29.63	2.963E+01	2.438E-12
5.186	28.15	2.815E+01	1.731E-12
5.211	32.07	3.207E+01	4.272E-12
5.245	30.42	3.042E+01	2.921E-12
5.254	31.20	3.120E+01	3.497E-12
5.254	32.70	3.270E+01	4.944E-12
5.284	29.83	2.983E+01	2.550E-12
5.301	33.35	3.335E+01	5.741E-12
5.342	32.11	3.211E+01	4.310E-12
5.342	31.20	3.120E+01	3.495E-12
5.372	30.57	3.057E+01	3.027E-12
5.384	29.61	2.961E+01	2.424E-12
5.401	28.74	2.874E+01	1.983E-12
5.424	28.01	2.801E+01	1.678E-12
5.436	30.62	3.062E+01	3.063E-12
5.436	31.33	3.133E+01	3.605E-12
5.442	27.30	2.730E+01	1.426E-12
5.462	29.84	2.984E+01	2.555E-12
5.501	28.78	2.878E+01	2.005E-12
5.507	26.09	2.609E+01	1.078E-12
5.525	24.09	2.409E+01	6.803E-13
5.531	24.88	2.488E+01	8.163E-13
5.531	28.08	2.808E+01	1.704E-12
5.552	27.17	2.717E+01	1.384E-12
5.615	28.91	2.891E+01	2.066E-12
5.619	29.91	2.991E+01	2.596E-12
5.629	31.08	3.108E+01	3.403E-12
5.64	28.16	2.816E+01	1.738E-12
5.656	27.31	2.731E+01	1.429E-12
5.697	26.83	2.683E+01	1.280E-12
5.725	29.19	2.919E+01	2.201E-12
5.731	30.15	3.015E+01	2.747E-12
5.747	27.54	2.754E+01	1.504E-12
5.749	28.44	2.844E+01	1.850E-12
5.772	30.95	3.095E+01	3.300E-12
5.788	31.77	3.177E+01	3.988E-12
5.798	32.75	3.275E+01	4.995E-12
5.819	28.26	2.826E+01	1.779E-12
5.845	29.88	2.988E+01	2.581E-12
5.864	28.92	2.892E+01	2.069E-12
5.899	31.43	3.143E+01	3.686E-12
5.904	30.48	3.048E+01	2.961E-12
5.935	32.44	3.244E+01	4.654E-12
5.972	28.93	2.893E+01	2.075E-12
5.979	29.90	2.990E+01	2.595E-12
6.011	30.92	3.092E+01	3.278E-12
6.015	31.78	3.178E+01	3.992E-12



6.03	28.37	2.837E+01	1.824E-12
6.04	32.60	3.260E+01	4.828E-12
6.089	29.29	2.929E+01	2.251E-12
6.094	30.15	3.015E+01	2.747E-12
6.133	28.42	2.842E+01	1.845E-12
6.134	31.44	3.144E+01	3.692E-12
6.139	30.60	3.060E+01	3.042E-12
6.139	28.05	2.805E+01	1.692E-12
6.212	29.92	2.992E+01	2.602E-12
6.215	29.03	2.903E+01	2.122E-12
6.239	32.37	3.237E+01	4.573E-12
6.255	30.77	3.077E+01	3.164E-12
6.256	31.53	3.153E+01	3.777E-12
6.292	28.89	2.889E+01	2.054E-12
6.339	30.07	3.007E+01	2.696E-12
6.341	29.35	2.935E+01	2.282E-12
6.358	32.65	3.265E+01	4.880E-12
6.37	31.05	3.105E+01	3.378E-12
6.379	31.82	3.182E+01	4.033E-12
6.403	29.62	2.962E+01	2.431E-12
6.45	30.17	3.017E+01	2.761E-12
6.483	33.14	3.314E+01	5.461E-12
6.491	33.76	3.376E+01	6.310E-12
6.497	31.61	3.161E+01	3.841E-12
6.497	30.90	3.090E+01	3.263E-12
6.504	32.39	3.239E+01	4.604E-12
6.573	30.06	3.006E+01	2.690E-12
6.624	31.94	3.194E+01	4.148E-12
6.624	31.23	3.123E+01	3.524E-12
6.624	32.65	3.265E+01	4.883E-12
6.63	30.67	3.067E+01	3.094E-12
6.631	33.60	3.360E+01	6.074E-12
6.646	35.29	3.529E+01	8.958E-12
6.651	34.31	3.431E+01	7.159E-12
6.733	29.70	2.970E+01	2.476E-12
6.755	32.22	3.222E+01	4.420E-12
6.755	31.51	3.151E+01	3.755E-12
6.755	30.80	3.080E+01	3.190E-12
6.756	33.14	3.314E+01	5.468E-12
6.821	33.81	3.381E+01	6.379E-12
6.837	28.93	2.893E+01	2.075E-12
6.865	29.50	2.950E+01	2.366E-12
6.869	30.32	3.032E+01	2.857E-12
6.876	32.91	3.291E+01	5.179E-12
6.885	32.25	3.225E+01	4.456E-12
6.887	31.53	3.153E+01	3.772E-12
6.898	30.94	3.094E+01	3.293E-12
6.925	28.62	2.862E+01	1.930E-12
6.943	29.44	2.944E+01	2.334E-12

7.008	30.19	3.019E+01	2.773E-12
7.023	31.51	3.151E+01	3.755E-12
7.023	30.98	3.098E+01	3.323E-12
7.023	32.22	3.222E+01	4.420E-12
7.028	33.21	3.321E+01	5.555E-12
7.08	34.24	3.424E+01	7.039E-12
7.139	30.13	3.013E+01	2.731E-12
7.149	30.82	3.082E+01	3.205E-12
7.161	32.94	3.294E+01	5.217E-12
7.161	32.00	3.200E+01	4.205E-12
7.161	31.29	3.129E+01	3.573E-12
7.184	33.90	3.390E+01	6.510E-12
7.255	28.93	2.893E+01	2.072E-12
7.283	30.11	3.011E+01	2.720E-12
7.295	30.92	3.092E+01	3.278E-12
7.301	31.53	3.153E+01	3.772E-12
7.313	32.35	3.235E+01	4.557E-12
7.313	28.50	2.850E+01	1.878E-12
7.402	29.31	2.931E+01	2.263E-12
7.443	32.49	3.249E+01	4.702E-12
7.445	31.61	3.161E+01	3.841E-12
7.445	30.90	3.090E+01	3.263E-12
7.464	30.15	3.015E+01	2.747E-12
7.53	33.36	3.336E+01	5.756E-12
7.548	31.02	3.102E+01	3.357E-12
7.561	34.47	3.447E+01	7.421E-12
7.579	33.69	3.369E+01	6.208E-12
7.596	31.95	3.195E+01	4.160E-12
7.665	35.82	3.582E+01	1.012E-11
7.667	32.82	3.282E+01	5.073E-12
7.715	34.97	3.497E+01	8.332E-12
7.715	34.26	3.426E+01	7.079E-12
7.715	33.55	3.355E+01	6.014E-12
7.741	31.75	3.175E+01	3.965E-12
7.795	30.80	3.080E+01	3.190E-12
7.816	34.22	3.422E+01	7.015E-12
7.826	33.02	3.302E+01	5.317E-12
7.828	32.07	3.207E+01	4.272E-12
7.879	30.11	3.011E+01	2.719E-12
7.934	29.60	2.960E+01	2.422E-12
7.951	31.17	3.117E+01	3.471E-12
7.969	32.20	3.220E+01	4.400E-12
7.982	33.14	3.314E+01	5.468E-12
8.073	30.57	3.057E+01	3.022E-12
8.086	30.88	3.088E+01	3.249E-12
8.099	35.01	3.501E+01	8.398E-12
8.099	34.18	3.418E+01	6.952E-12
8.11	31.60	3.160E+01	3.838E-12
8.126	32.75	3.275E+01	4.995E-12

8.126	32.22	3.222E+01	4.420E-12
8.135	33.57	3.357E+01	6.041E-12
8.262	31.69	3.169E+01	3.918E-12
8.281	34.79	3.479E+01	7.999E-12
8.285	32.51	3.251E+01	4.731E-12
8.285	33.22	3.322E+01	5.568E-12
8.285	33.93	3.393E+01	6.554E-12
8.375	35.50	3.550E+01	9.416E-12
8.421	31.98	3.198E+01	4.182E-12
8.434	32.79	3.279E+01	5.040E-12
8.448	33.32	3.332E+01	5.696E-12
8.448	31.02	3.102E+01	3.353E-12
8.459	34.20	3.420E+01	6.983E-12
8.513	30.57	3.057E+01	3.022E-12
8.6	32.39	3.239E+01	4.604E-12
8.6	31.77	3.177E+01	3.983E-12
8.614	33.69	3.369E+01	6.208E-12
8.614	32.98	3.298E+01	5.274E-12
8.619	34.60	3.460E+01	7.645E-12
8.651	30.71	3.071E+01	3.126E-12
8.745	31.95	3.195E+01	4.154E-12
8.761	35.33	3.533E+01	9.058E-12
8.781	32.82	3.282E+01	5.073E-12
8.783	33.59	3.359E+01	6.069E-12
8.783	34.30	3.430E+01	7.143E-12
8.812	36.19	3.619E+01	1.103E-11
8.927	32.08	3.208E+01	4.282E-12
8.927	34.90	3.490E+01	8.201E-12
8.956	33.26	3.326E+01	5.619E-12
8.956	32.75	3.275E+01	4.995E-12
8.966	34.06	3.406E+01	6.761E-12
8.999	31.29	3.129E+01	3.569E-12
9.014	30.54	3.054E+01	3.001E-12
9.113	35.36	3.536E+01	9.112E-12
9.132	33.77	3.377E+01	6.321E-12
9.132	33.06	3.306E+01	5.370E-12
9.139	32.25	3.225E+01	4.458E-12
9.142	34.57	3.457E+01	7.596E-12
9.176	31.91	3.191E+01	4.119E-12
9.241	36.07	3.607E+01	1.074E-11
9.311	34.28	3.428E+01	7.111E-12
9.311	33.57	3.357E+01	6.041E-12
9.311	32.91	3.291E+01	5.179E-12
9.32	35.23	3.523E+01	8.837E-12
9.377	32.14	3.214E+01	4.341E-12
9.387	36.67	3.667E+01	1.231E-11
9.417	36.05	3.605E+01	1.069E-11
9.494	31.47	3.147E+01	3.717E-12
9.494	33.14	3.314E+01	5.468E-12

9.494	34.56	3.456E+01	7.576E-12
9.494	33.85	3.385E+01	6.437E-12
9.509	35.40	3.540E+01	9.205E-12
9.509	36.05	3.605E+01	1.069E-11
9.54	32.33	3.233E+01	4.534E-12
9.68	34.44	3.444E+01	7.373E-12
9.68	33.73	3.373E+01	6.264E-12
9.68	33.02	3.302E+01	5.322E-12
9.68	31.70	3.170E+01	3.920E-12
9.692	35.21	3.521E+01	8.803E-12
9.828	32.69	3.269E+01	4.927E-12
9.867	33.22	3.322E+01	5.568E-12
9.87	34.60	3.460E+01	7.645E-12
9.87	33.89	3.389E+01	6.495E-12
9.878	35.60	3.560E+01	9.635E-12
10.007	32.59	3.259E+01	4.812E-12
10.032	36.52	3.652E+01	1.192E-11
10.064	33.65	3.365E+01	6.152E-12
10.064	34.36	3.436E+01	7.241E-12
10.064	35.07	3.507E+01	8.523E-12
10.064	35.78	3.578E+01	1.003E-11
10.081	32.98	3.298E+01	5.274E-12
10.196	32.11	3.211E+01	4.313E-12
10.262	34.81	3.481E+01	8.036E-12
10.262	34.11	3.411E+01	6.827E-12
10.262	33.40	3.340E+01	5.800E-12
10.262	31.72	3.172E+01	3.938E-12
10.279	32.78	3.278E+01	5.029E-12
10.283	35.73	3.573E+01	9.919E-12
10.404	32.35	3.235E+01	4.557E-12
10.46	33.11	3.311E+01	5.434E-12
10.464	35.90	3.590E+01	1.031E-11
10.464	35.19	3.519E+01	8.758E-12
10.464	34.48	3.448E+01	7.440E-12
10.464	33.77	3.377E+01	6.321E-12
10.473	36.81	3.681E+01	1.273E-11
10.6	36.52	3.652E+01	1.192E-11
10.642	32.59	3.259E+01	4.819E-12
10.669	33.61	3.361E+01	6.096E-12
10.669	34.32	3.432E+01	7.176E-12
10.669	35.03	3.503E+01	8.446E-12
10.669	35.74	3.574E+01	9.941E-12
10.721	31.72	3.172E+01	3.938E-12
10.747	31.21	3.121E+01	3.509E-12
10.853	32.80	3.280E+01	5.056E-12
10.87	33.63	3.363E+01	6.124E-12
10.873	30.88	3.088E+01	3.249E-12
10.879	34.91	3.491E+01	8.220E-12
10.879	34.20	3.420E+01	6.983E-12

10.888	35.76	3.576E+01	9.987E-12
10.95	36.64	3.664E+01	1.224E-11
10.96	31.95	3.195E+01	4.152E-12
11.074	32.97	3.297E+01	5.256E-12
11.074	33.60	3.360E+01	6.082E-12
11.092	34.91	3.491E+01	8.220E-12
11.092	34.20	3.420E+01	6.983E-12
11.105	35.68	3.568E+01	9.814E-12
11.163	32.07	3.207E+01	4.276E-12
11.207	31.38	3.138E+01	3.646E-12
11.263	36.01	3.601E+01	1.057E-11
11.31	32.91	3.291E+01	5.179E-12
11.31	33.61	3.361E+01	6.096E-12
11.31	34.32	3.432E+01	7.176E-12
11.31	35.03	3.503E+01	8.446E-12
11.373	31.01	3.101E+01	3.350E-12
11.429	31.94	3.194E+01	4.150E-12
11.532	34.32	3.432E+01	7.176E-12
11.532	33.61	3.361E+01	6.096E-12
11.532	32.96	3.296E+01	5.238E-12
11.547	35.17	3.517E+01	8.731E-12
11.564	31.53	3.153E+01	3.772E-12
11.664	32.61	3.261E+01	4.839E-12
11.664	36.05	3.605E+01	1.069E-11
11.702	37.23	3.723E+01	1.403E-11
11.74	36.60	3.660E+01	1.213E-11
11.759	34.84	3.484E+01	8.090E-12
11.759	34.03	3.403E+01	6.704E-12
11.763	33.39	3.339E+01	5.784E-12
11.881	32.37	3.237E+01	4.580E-12
11.882	35.90	3.590E+01	1.032E-11
11.919	31.65	3.165E+01	3.876E-12
11.99	34.07	3.407E+01	6.765E-12
11.994	33.43	3.343E+01	5.847E-12
12.006	35.03	3.503E+01	8.438E-12
12.127	36.37	3.637E+01	1.149E-11
12.127	32.83	3.283E+01	5.086E-12
12.14	31.79	3.179E+01	4.007E-12
12.226	34.66	3.466E+01	7.750E-12
12.226	33.95	3.395E+01	6.584E-12
12.235	35.54	3.554E+01	9.491E-12
12.333	31.69	3.169E+01	3.911E-12
12.355	33.28	3.328E+01	5.644E-12
12.359	32.38	3.238E+01	4.586E-12
12.466	34.28	3.428E+01	7.111E-12
12.475	35.29	3.529E+01	8.969E-12
12.511	36.36	3.636E+01	1.148E-11
12.567	32.59	3.259E+01	4.812E-12
12.604	33.43	3.343E+01	5.847E-12

12.615	37.04	3.704E+01	1.340E-11
12.72	35.00	3.500E+01	8.391E-12
12.731	34.11	3.411E+01	6.827E-12
12.752	32.39	3.239E+01	4.604E-12
12.767	36.02	3.602E+01	1.061E-11
12.819	33.11	3.311E+01	5.428E-12
12.835	37.13	3.713E+01	1.371E-11
12.856	36.60	3.660E+01	1.213E-11
12.953	33.90	3.390E+01	6.510E-12
12.964	34.82	3.482E+01	8.047E-12
13.023	35.97	3.597E+01	1.050E-11
13.044	38.03	3.803E+01	1.685E-11
13.087	37.11	3.711E+01	1.365E-11
13.108	36.45	3.645E+01	1.170E-11
13.115	33.38	3.338E+01	5.774E-12
13.215	34.07	3.407E+01	6.765E-12
13.232	35.01	3.501E+01	8.415E-12
13.271	35.89	3.589E+01	1.029E-11
13.354	36.90	3.690E+01	1.299E-11
13.366	33.35	3.335E+01	5.730E-12
13.479	34.13	3.413E+01	6.864E-12
13.492	34.94	3.494E+01	8.279E-12
13.496	37.82	3.782E+01	1.607E-11
13.496	33.28	3.328E+01	5.644E-12
13.534	35.93	3.593E+01	1.040E-11
13.628	36.72	3.672E+01	1.245E-11
13.668	38.74	3.874E+01	1.986E-11
13.749	37.64	3.764E+01	1.539E-11
13.749	34.80	3.480E+01	8.016E-12
13.761	33.94	3.394E+01	6.577E-12
13.8	35.68	3.568E+01	9.814E-12
13.806	38.88	3.888E+01	2.052E-11
13.896	36.84	3.684E+01	1.281E-11
13.936	33.34	3.334E+01	5.722E-12
13.964	32.51	3.251E+01	4.731E-12
13.986	34.38	3.438E+01	7.267E-12
14.054	35.14	3.514E+01	8.659E-12
14.073	36.08	3.608E+01	1.075E-11
14.077	33.37	3.337E+01	5.761E-12
14.146	37.70	3.770E+01	1.564E-11
14.146	37.11	3.711E+01	1.365E-11
14.238	38.47	3.847E+01	1.866E-11
14.254	34.65	3.465E+01	7.730E-12
14.261	39.08	3.908E+01	2.147E-11
14.317	35.49	3.549E+01	9.382E-12
14.349	36.36	3.636E+01	1.147E-11
14.437	37.51	3.751E+01	1.494E-11
14.478	34.97	3.497E+01	8.332E-12
14.518	39.04	3.904E+01	2.127E-11

14.518	35.88	3.588E+01	1.026E-11
14.522	39.97	3.997E+01	2.634E-11
14.532	38.39	3.839E+01	1.830E-11
14.624	36.70	3.670E+01	1.241E-11
14.704	40.64	4.064E+01	3.072E-11
14.726	37.89	3.789E+01	1.633E-11
14.812	39.52	3.952E+01	2.376E-11
14.827	38.68	3.868E+01	1.956E-11
14.892	36.88	3.688E+01	1.293E-11
15.015	40.31	4.031E+01	2.850E-11
15.064	38.03	3.803E+01	1.687E-11
15.093	38.47	3.847E+01	1.866E-11
15.118	39.30	3.930E+01	2.256E-11
15.192	36.84	3.684E+01	1.283E-11
15.192	41.19	4.119E+01	3.485E-11
15.29	40.52	4.052E+01	2.988E-11
15.39	38.26	3.826E+01	1.775E-11
15.39	37.55	3.755E+01	1.508E-11
15.39	38.96	3.896E+01	2.089E-11
15.415	39.77	3.977E+01	2.515E-11
15.465	36.02	3.602E+01	1.062E-11
15.515	36.94	3.694E+01	1.310E-11
15.692	35.72	3.572E+01	9.897E-12
15.692	40.14	4.014E+01	2.741E-11
15.692	39.44	3.944E+01	2.329E-11
15.692	38.73	3.873E+01	1.979E-11
15.692	38.02	3.802E+01	1.681E-11
15.794	36.37	3.637E+01	1.149E-11
15.82	37.17	3.717E+01	1.384E-11
15.975	36.52	3.652E+01	1.192E-11
16.0	39.36	3.936E+01	2.287E-11
16.0	38.65	3.865E+01	1.943E-11
16.0	37.94	3.794E+01	1.651E-11
16.013	40.20	4.020E+01	2.776E-11
16.026	35.81	3.581E+01	1.011E-11
16.119	37.06	3.706E+01	1.349E-11
16.315	39.22	3.922E+01	2.216E-11
16.315	39.93	3.993E+01	2.608E-11
16.315	38.51	3.851E+01	1.883E-11
16.32	40.87	4.087E+01	3.239E-11
16.341	37.81	3.781E+01	1.603E-11
16.448	37.07	3.707E+01	1.350E-11
16.519	41.40	4.140E+01	3.663E-11
16.635	39.47	3.947E+01	2.350E-11
16.635	38.77	3.877E+01	1.997E-11
16.635	38.06	3.806E+01	1.696E-11
16.647	40.47	4.047E+01	2.957E-11
16.651	37.39	3.739E+01	1.453E-11
16.662	36.56	3.656E+01	1.202E-11

16.689	36.05	3.605E+01	1.069E-11
16.874	41.59	4.159E+01	3.822E-11
16.916	37.67	3.767E+01	1.549E-11
16.962	39.67	3.967E+01	2.459E-11
16.962	38.96	3.896E+01	2.089E-11
16.969	40.51	4.051E+01	2.981E-11
16.989	38.15	3.815E+01	1.731E-11
17.156	38.35	3.835E+01	1.816E-11
17.2	40.87	4.087E+01	3.239E-11
17.206	41.85	4.185E+01	4.058E-11
17.295	38.73	3.873E+01	1.979E-11
17.295	39.40	3.940E+01	2.308E-11
17.323	40.30	4.030E+01	2.843E-11
17.351	42.54	4.254E+01	4.763E-11
17.351	46.50	4.650E+01	1.184E-10
17.371	43.32	4.332E+01	5.694E-11
17.521	39.18	3.918E+01	2.196E-11
17.549	41.63	4.163E+01	3.859E-11
17.578	40.04	4.004E+01	2.674E-11
17.635	40.87	4.087E+01	3.241E-11
17.683	43.70	4.370E+01	6.213E-11
17.692	42.82	4.282E+01	5.075E-11
17.744	42.07	4.207E+01	4.273E-11
17.865	44.33	4.433E+01	7.192E-11
17.877	45.09	4.509E+01	8.559E-11
17.959	41.51	4.151E+01	3.758E-11
18.01	42.75	4.275E+01	5.002E-11
18.01	42.31	4.231E+01	4.511E-11
18.02	43.55	4.355E+01	6.001E-11
18.054	40.48	4.048E+01	2.961E-11
18.069	39.89	3.989E+01	2.585E-11
18.128	41.48	4.148E+01	3.730E-11
18.246	46.46	4.646E+01	1.173E-10