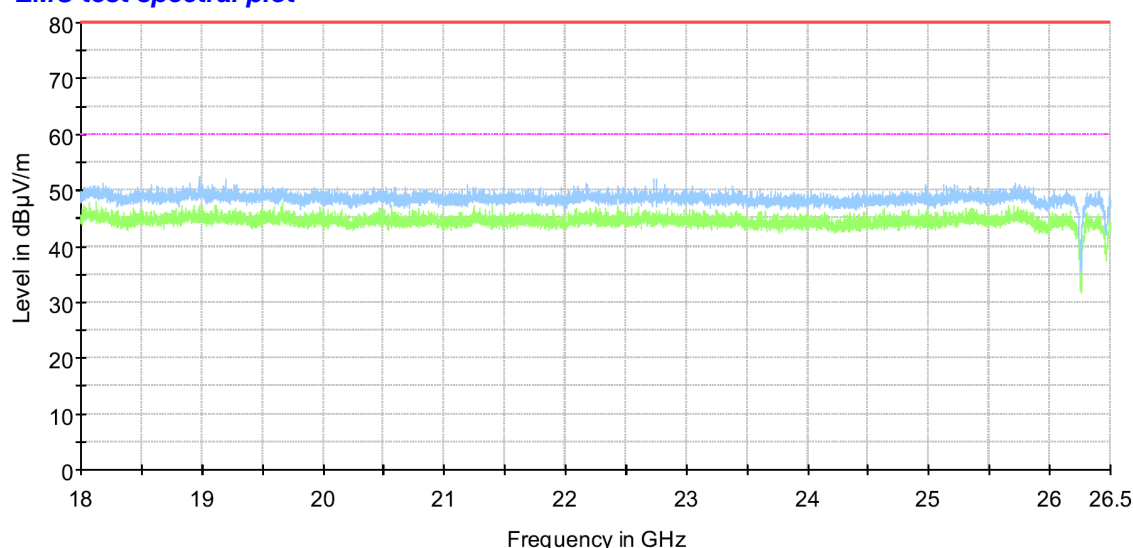


Prepared by: Dr Vitas Anderson (Two Fields Consulting)
Date: 16 June 2022

FCC ID: 2AVNR-AC13 (Configuration 1, Figure/Page 5, Class A device)
Frequency span: 18 GHz to 26 GHz
RBW: 0.001 GHz, distance: 3 m
Peak-to-average correction: N/A
No. of sample points: 8,500
Cumulative S level: $6.439\text{E-}07 \text{ W/m}^2$
Device radiated power: 0.0444 mW

EMC test spectral plot



Plot of extracted data from EMC test spectral plot

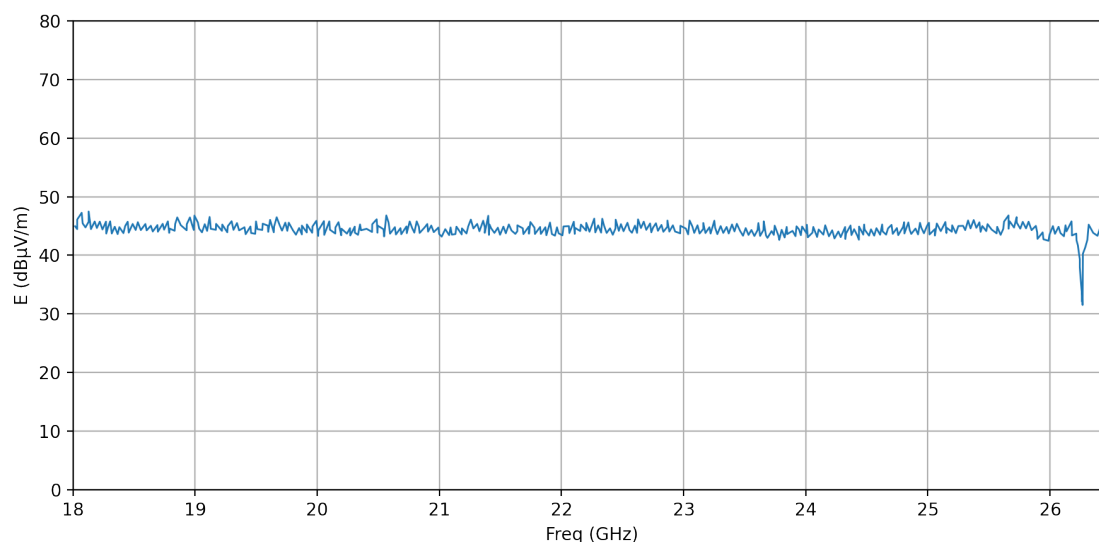


Table of extracted data from EMC test spectral plot

Freq (GHz)	E (dBμV/m)	E (V/m rms)	S (W/m²)
18.017	44.97	4.497E+01	8.328E-11
18.034	44.47	4.447E+01	7.427E-11
18.034	46.11	4.611E+01	1.084E-10
18.071	47.26	4.726E+01	1.411E-10
18.079	45.45	4.545E+01	9.301E-11
18.102	44.77	4.477E+01	7.951E-11
18.128	45.73	4.573E+01	9.920E-11
18.128	47.48	4.748E+01	1.486E-10
18.147	44.48	4.448E+01	7.433E-11
18.177	45.77	4.577E+01	1.002E-10
18.195	44.66	4.466E+01	7.763E-11
18.219	45.75	4.575E+01	9.968E-11
18.241	44.42	4.442E+01	7.335E-11
18.27	45.75	4.575E+01	9.968E-11
18.272	43.71	4.371E+01	6.237E-11
18.286	44.75	4.475E+01	7.917E-11
18.304	45.80	4.580E+01	1.008E-10
18.317	43.72	4.372E+01	6.254E-11
18.341	44.88	4.488E+01	8.159E-11
18.365	43.63	4.363E+01	6.114E-11
18.379	44.81	4.481E+01	8.031E-11
18.413	43.79	4.379E+01	6.343E-11
18.427	45.01	4.501E+01	8.409E-11
18.448	45.73	4.573E+01	9.931E-11
18.456	43.88	4.388E+01	6.475E-11
18.488	45.36	4.536E+01	9.106E-11
18.513	44.32	4.432E+01	7.180E-11
18.531	45.65	4.565E+01	9.750E-11
18.555	44.31	4.431E+01	7.159E-11
18.593	45.35	4.535E+01	9.088E-11
18.603	44.26	4.426E+01	7.069E-11
18.637	45.05	4.505E+01	8.482E-11
18.653	44.07	4.407E+01	6.768E-11
18.691	45.16	4.516E+01	8.711E-11
18.695	44.04	4.404E+01	6.720E-11
18.734	45.38	4.538E+01	9.159E-11
18.746	44.38	4.438E+01	7.277E-11
18.776	45.80	4.580E+01	1.008E-10
18.787	43.83	4.383E+01	6.409E-11
18.792	44.57	4.457E+01	7.589E-11
18.832	44.19	4.419E+01	6.956E-11
18.837	45.37	4.537E+01	9.125E-11
18.853	46.47	4.647E+01	1.177E-10
18.882	45.14	4.514E+01	8.667E-11
18.93	44.27	4.427E+01	7.096E-11
18.931	45.31	4.531E+01	9.001E-11

Calculate device radiated power from EMC test data

18.957	46.47	4.647E+01	1.177E-10
18.977	45.10	4.510E+01	8.574E-11
18.989	44.33	4.433E+01	7.188E-11
18.994	46.78	4.678E+01	1.264E-10
19.022	45.60	4.560E+01	9.626E-11
19.033	44.56	4.456E+01	7.583E-11
19.056	43.92	4.392E+01	6.548E-11
19.079	45.31	4.531E+01	9.016E-11
19.098	44.17	4.417E+01	6.926E-11
19.118	46.55	4.655E+01	1.198E-10
19.124	45.45	4.545E+01	9.296E-11
19.128	44.53	4.453E+01	7.524E-11
19.17	44.36	4.436E+01	7.234E-11
19.171	45.37	4.537E+01	9.131E-11
19.22	44.17	4.417E+01	6.936E-11
19.222	45.25	4.525E+01	8.891E-11
19.263	43.93	4.393E+01	6.560E-11
19.267	44.97	4.497E+01	8.339E-11
19.299	45.83	4.583E+01	1.014E-10
19.314	44.35	4.435E+01	7.220E-11
19.343	45.51	4.551E+01	9.431E-11
19.36	44.26	4.426E+01	7.073E-11
19.404	44.79	4.479E+01	7.992E-11
19.413	43.61	4.361E+01	6.085E-11
19.453	44.92	4.492E+01	8.240E-11
19.458	43.81	4.381E+01	6.371E-11
19.492	43.68	4.368E+01	6.185E-11
19.498	45.79	4.579E+01	1.006E-10
19.51	44.47	4.447E+01	7.427E-11
19.55	44.33	4.433E+01	7.190E-11
19.553	45.40	4.540E+01	9.207E-11
19.596	45.06	4.506E+01	8.510E-11
19.598	44.01	4.401E+01	6.682E-11
19.614	46.05	4.605E+01	1.068E-10
19.644	43.93	4.393E+01	6.560E-11
19.646	44.90	4.490E+01	8.188E-11
19.668	46.49	4.649E+01	1.183E-10
19.694	45.03	4.503E+01	8.450E-11
19.711	44.21	4.421E+01	7.000E-11
19.738	45.57	4.557E+01	9.571E-11
19.755	44.18	4.418E+01	6.948E-11
19.767	45.57	4.557E+01	9.571E-11
19.8	44.30	4.430E+01	7.136E-11
19.825	43.52	4.352E+01	5.972E-11
19.851	44.66	4.466E+01	7.760E-11
19.874	43.57	4.357E+01	6.036E-11
19.874	45.08	4.508E+01	8.541E-11
19.914	43.90	4.390E+01	6.518E-11
19.915	45.27	4.527E+01	8.919E-11

19.958	43.86	4.386E+01	6.446E-11
19.961	44.93	4.493E+01	8.261E-11
19.992	45.89	4.589E+01	1.028E-10
20.008	43.31	4.331E+01	5.680E-11
20.009	44.26	4.426E+01	7.073E-11
20.054	45.84	4.584E+01	1.017E-10
20.056	44.70	4.470E+01	7.823E-11
20.057	43.49	4.349E+01	5.930E-11
20.099	45.80	4.580E+01	1.008E-10
20.104	44.36	4.436E+01	7.244E-11
20.148	43.72	4.372E+01	6.245E-11
20.149	44.75	4.475E+01	7.922E-11
20.174	45.66	4.566E+01	9.759E-11
20.196	43.42	4.342E+01	5.826E-11
20.198	44.55	4.455E+01	7.565E-11
20.243	43.70	4.370E+01	6.225E-11
20.268	44.63	4.463E+01	7.711E-11
20.27	43.39	4.339E+01	5.789E-11
20.307	44.90	4.490E+01	8.195E-11
20.308	43.87	4.387E+01	6.467E-11
20.334	43.50	4.350E+01	5.943E-11
20.35	45.27	4.527E+01	8.922E-11
20.359	44.28	4.428E+01	7.099E-11
20.404	44.53	4.453E+01	7.524E-11
20.449	43.99	4.399E+01	6.642E-11
20.45	45.30	4.530E+01	8.995E-11
20.487	46.15	4.615E+01	1.094E-10
20.493	43.86	4.386E+01	6.453E-11
20.495	45.06	4.506E+01	8.501E-11
20.542	44.46	4.446E+01	7.405E-11
20.547	43.22	4.322E+01	5.567E-11
20.565	46.81	4.681E+01	1.272E-10
20.583	45.62	4.562E+01	9.682E-11
20.591	44.57	4.457E+01	7.602E-11
20.596	43.70	4.370E+01	6.213E-11
20.636	44.81	4.481E+01	8.030E-11
20.644	43.56	4.356E+01	6.014E-11
20.681	44.64	4.464E+01	7.727E-11
20.688	43.60	4.360E+01	6.078E-11
20.73	44.94	4.494E+01	8.266E-11
20.733	43.78	4.378E+01	6.338E-11
20.757	45.78	4.578E+01	1.004E-10
20.777	44.66	4.466E+01	7.760E-11
20.795	43.88	4.388E+01	6.478E-11
20.814	45.80	4.580E+01	1.008E-10
20.832	44.85	4.485E+01	8.101E-11
20.838	43.82	4.382E+01	6.386E-11
20.88	44.77	4.477E+01	7.964E-11
20.901	45.35	4.535E+01	9.088E-11

20.907	44.05	4.405E+01	6.733E-11
20.933	45.09	4.509E+01	8.556E-11
20.954	43.96	4.396E+01	6.598E-11
20.992	44.74	4.474E+01	7.900E-11
20.998	43.63	4.363E+01	6.121E-11
21.019	43.20	4.320E+01	5.538E-11
21.048	44.47	4.447E+01	7.421E-11
21.08	43.44	4.344E+01	5.860E-11
21.092	44.76	4.476E+01	7.934E-11
21.102	43.53	4.353E+01	5.981E-11
21.131	43.63	4.363E+01	6.115E-11
21.139	44.89	4.489E+01	8.182E-11
21.183	43.57	4.357E+01	6.036E-11
21.184	44.60	4.460E+01	7.654E-11
21.222	43.72	4.372E+01	6.253E-11
21.236	44.97	4.497E+01	8.323E-11
21.258	46.10	4.610E+01	1.080E-10
21.278	44.59	4.459E+01	7.626E-11
21.309	45.36	4.536E+01	9.114E-11
21.328	44.11	4.411E+01	6.837E-11
21.359	45.91	4.591E+01	1.034E-10
21.372	44.79	4.479E+01	7.985E-11
21.372	43.84	4.384E+01	6.418E-11
21.4	46.75	4.675E+01	1.256E-10
21.406	43.49	4.349E+01	5.925E-11
21.411	45.25	4.525E+01	8.894E-11
21.423	44.63	4.463E+01	7.698E-11
21.451	43.83	4.383E+01	6.404E-11
21.479	44.72	4.472E+01	7.859E-11
21.497	43.51	4.351E+01	5.956E-11
21.524	44.90	4.490E+01	8.195E-11
21.544	43.76	4.376E+01	6.310E-11
21.569	45.27	4.527E+01	8.933E-11
21.591	44.23	4.423E+01	7.026E-11
21.622	43.66	4.366E+01	6.165E-11
21.638	44.12	4.412E+01	6.850E-11
21.638	45.12	4.512E+01	8.630E-11
21.683	44.61	4.461E+01	7.676E-11
21.688	43.63	4.363E+01	6.117E-11
21.732	44.91	4.491E+01	8.212E-11
21.734	43.69	4.369E+01	6.207E-11
21.745	45.69	4.569E+01	9.822E-11
21.779	44.71	4.471E+01	7.854E-11
21.782	43.64	4.364E+01	6.138E-11
21.825	44.84	4.484E+01	8.089E-11
21.831	43.65	4.365E+01	6.146E-11
21.868	44.80	4.480E+01	8.006E-11
21.876	43.43	4.343E+01	5.849E-11
21.906	45.60	4.560E+01	9.621E-11

21.914	44.63	4.463E+01	7.697E-11
21.921	43.63	4.363E+01	6.118E-11
21.946	43.35	4.335E+01	5.741E-11
21.963	44.78	4.478E+01	7.974E-11
21.976	43.76	4.376E+01	6.302E-11
22.008	43.41	4.341E+01	5.811E-11
22.016	44.93	4.493E+01	8.259E-11
22.06	44.98	4.498E+01	8.355E-11
22.064	43.80	4.380E+01	6.361E-11
22.1	45.74	4.574E+01	9.936E-11
22.108	43.66	4.366E+01	6.165E-11
22.11	44.70	4.470E+01	7.822E-11
22.153	44.15	4.415E+01	6.890E-11
22.159	45.24	4.524E+01	8.874E-11
22.201	44.22	4.422E+01	7.002E-11
22.203	45.54	4.554E+01	9.489E-11
22.229	44.03	4.403E+01	6.706E-11
22.249	45.16	4.516E+01	8.707E-11
22.268	46.27	4.627E+01	1.123E-10
22.277	43.92	4.392E+01	6.537E-11
22.3	45.11	4.511E+01	8.608E-11
22.324	43.88	4.388E+01	6.474E-11
22.334	46.25	4.625E+01	1.118E-10
22.348	45.09	4.509E+01	8.556E-11
22.369	43.82	4.382E+01	6.392E-11
22.397	44.61	4.461E+01	7.667E-11
22.42	43.51	4.351E+01	5.949E-11
22.442	44.58	4.458E+01	7.609E-11
22.443	46.08	4.608E+01	1.077E-10
22.469	44.18	4.418E+01	6.948E-11
22.487	45.32	4.532E+01	9.036E-11
22.508	44.11	4.411E+01	6.837E-11
22.54	45.56	4.556E+01	9.536E-11
22.557	44.30	4.430E+01	7.146E-11
22.577	43.85	4.385E+01	6.440E-11
22.601	45.07	4.507E+01	8.527E-11
22.619	43.83	4.383E+01	6.409E-11
22.627	46.13	4.613E+01	1.089E-10
22.65	44.66	4.466E+01	7.748E-11
22.673	45.75	4.575E+01	9.964E-11
22.694	44.35	4.435E+01	7.216E-11
22.725	45.44	4.544E+01	9.286E-11
22.735	43.93	4.393E+01	6.552E-11
22.749	44.72	4.472E+01	7.866E-11
22.773	45.47	4.547E+01	9.357E-11
22.79	44.18	4.418E+01	6.952E-11
22.818	45.19	4.519E+01	8.755E-11
22.834	44.02	4.402E+01	6.693E-11
22.866	44.87	4.487E+01	8.142E-11

22.867	45.93	4.593E+01	1.040E-10
22.883	44.05	4.405E+01	6.740E-11
22.912	45.12	4.512E+01	8.630E-11
22.93	44.06	4.406E+01	6.760E-11
22.972	43.75	4.375E+01	6.292E-11
22.973	45.05	4.505E+01	8.477E-11
23.018	44.57	4.457E+01	7.589E-11
23.037	43.58	4.358E+01	6.050E-11
23.049	45.94	4.594E+01	1.042E-10
23.071	44.93	4.493E+01	8.260E-11
23.087	43.83	4.383E+01	6.402E-11
23.114	45.12	4.512E+01	8.630E-11
23.13	43.72	4.372E+01	6.245E-11
23.161	44.51	4.451E+01	7.496E-11
23.161	45.52	4.552E+01	9.462E-11
23.178	43.80	4.380E+01	6.367E-11
23.211	44.79	4.479E+01	7.996E-11
23.221	43.72	4.372E+01	6.245E-11
23.251	45.91	4.591E+01	1.034E-10
23.257	44.76	4.476E+01	7.930E-11
23.276	43.62	4.362E+01	6.101E-11
23.303	44.99	4.499E+01	8.376E-11
23.325	43.82	4.382E+01	6.396E-11
23.352	44.84	4.484E+01	8.089E-11
23.369	43.73	4.373E+01	6.262E-11
23.396	45.27	4.527E+01	8.925E-11
23.416	44.08	4.408E+01	6.793E-11
23.436	45.38	4.538E+01	9.156E-11
23.461	44.20	4.420E+01	6.971E-11
23.486	43.34	4.334E+01	5.727E-11
23.508	44.65	4.465E+01	7.739E-11
23.531	43.48	4.348E+01	5.909E-11
23.555	44.32	4.432E+01	7.179E-11
23.579	43.30	4.330E+01	5.667E-11
23.605	44.30	4.430E+01	7.147E-11
23.612	45.51	4.551E+01	9.431E-11
23.626	43.32	4.332E+01	5.695E-11
23.653	44.32	4.432E+01	7.169E-11
23.656	45.80	4.580E+01	1.008E-10
23.674	43.41	4.341E+01	5.819E-11
23.687	42.98	4.298E+01	5.265E-11
23.72	44.14	4.414E+01	6.884E-11
23.738	43.49	4.349E+01	5.930E-11
23.745	45.07	4.507E+01	8.519E-11
23.777	43.33	4.333E+01	5.708E-11
23.783	42.63	4.263E+01	4.863E-11
23.803	44.36	4.436E+01	7.232E-11
23.827	43.04	4.304E+01	5.347E-11
23.844	44.85	4.485E+01	8.096E-11

23.849	43.62	4.362E+01	6.110E-11
23.892	44.18	4.418E+01	6.941E-11
23.916	43.27	4.327E+01	5.631E-11
23.924	44.95	4.495E+01	8.301E-11
23.945	44.42	4.442E+01	7.332E-11
23.96	43.44	4.344E+01	5.854E-11
23.97	44.92	4.492E+01	8.230E-11
24.006	43.79	4.379E+01	6.345E-11
24.009	45.22	4.522E+01	8.823E-11
24.016	43.07	4.307E+01	5.382E-11
24.055	43.87	4.387E+01	6.474E-11
24.062	44.84	4.484E+01	8.089E-11
24.093	43.14	4.314E+01	5.466E-11
24.106	44.41	4.441E+01	7.322E-11
24.144	43.53	4.353E+01	5.979E-11
24.154	44.60	4.460E+01	7.654E-11
24.159	45.12	4.512E+01	8.630E-11
24.19	43.25	4.325E+01	5.604E-11
24.216	44.27	4.427E+01	7.094E-11
24.235	42.88	4.288E+01	5.152E-11
24.267	44.07	4.407E+01	6.773E-11
24.286	43.11	4.311E+01	5.427E-11
24.322	44.83	4.483E+01	8.072E-11
24.324	42.79	4.279E+01	5.044E-11
24.33	43.72	4.372E+01	6.245E-11
24.366	45.09	4.509E+01	8.571E-11
24.374	43.46	4.346E+01	5.886E-11
24.396	44.46	4.446E+01	7.413E-11
24.421	43.43	4.343E+01	5.837E-11
24.435	42.67	4.267E+01	4.900E-11
24.436	44.91	4.491E+01	8.218E-11
24.471	43.53	4.353E+01	5.986E-11
24.478	45.25	4.525E+01	8.889E-11
24.482	44.38	4.438E+01	7.280E-11
24.518	43.36	4.336E+01	5.750E-11
24.534	44.44	4.444E+01	7.370E-11
24.56	43.36	4.336E+01	5.745E-11
24.579	44.63	4.463E+01	7.710E-11
24.609	43.52	4.352E+01	5.962E-11
24.625	45.26	4.526E+01	8.909E-11
24.63	44.08	4.408E+01	6.793E-11
24.658	43.53	4.353E+01	5.985E-11
24.674	44.60	4.460E+01	7.648E-11
24.702	45.19	4.519E+01	8.771E-11
24.712	43.66	4.366E+01	6.165E-11
24.746	44.65	4.465E+01	7.745E-11
24.757	43.44	4.344E+01	5.860E-11
24.796	44.83	4.483E+01	8.072E-11
24.805	45.65	4.565E+01	9.738E-11

24.808	43.73	4.373E+01	6.264E-11
24.84	45.61	4.561E+01	9.654E-11
24.851	44.34	4.434E+01	7.206E-11
24.864	43.65	4.365E+01	6.149E-11
24.898	44.57	4.457E+01	7.599E-11
24.919	43.57	4.357E+01	6.041E-11
24.935	45.55	4.555E+01	9.522E-11
24.945	44.76	4.476E+01	7.934E-11
24.968	43.76	4.376E+01	6.311E-11
24.994	45.08	4.508E+01	8.544E-11
25.009	45.55	4.555E+01	9.522E-11
25.013	43.56	4.356E+01	6.022E-11
25.057	44.48	4.448E+01	7.445E-11
25.057	43.37	4.337E+01	5.769E-11
25.073	45.43	4.543E+01	9.266E-11
25.105	44.13	4.413E+01	6.867E-11
25.143	45.69	4.569E+01	9.822E-11
25.152	43.81	4.381E+01	6.372E-11
25.154	44.70	4.470E+01	7.822E-11
25.196	44.03	4.403E+01	6.710E-11
25.199	45.12	4.512E+01	8.630E-11
25.229	43.77	4.377E+01	6.326E-11
25.249	45.00	4.500E+01	8.384E-11
25.288	45.04	4.504E+01	8.460E-11
25.306	44.31	4.431E+01	7.149E-11
25.329	45.95	4.595E+01	1.044E-10
25.349	44.59	4.459E+01	7.637E-11
25.375	46.02	4.602E+01	1.061E-10
25.397	44.69	4.469E+01	7.813E-11
25.422	45.63	4.563E+01	9.696E-11
25.432	44.01	4.401E+01	6.680E-11
25.446	45.00	4.500E+01	8.388E-11
25.478	44.13	4.413E+01	6.869E-11
25.488	45.33	4.533E+01	9.049E-11
25.522	44.39	4.439E+01	7.282E-11
25.563	43.75	4.375E+01	6.289E-11
25.567	44.87	4.487E+01	8.137E-11
25.595	43.49	4.349E+01	5.930E-11
25.617	44.50	4.450E+01	7.474E-11
25.624	45.77	4.577E+01	1.001E-10
25.66	46.81	4.681E+01	1.272E-10
25.66	44.55	4.455E+01	7.562E-11
25.669	45.81	4.581E+01	1.011E-10
25.706	44.73	4.473E+01	7.891E-11
25.727	46.52	4.652E+01	1.189E-10
25.728	45.59	4.559E+01	9.599E-11
25.757	44.55	4.455E+01	7.569E-11
25.777	45.72	4.572E+01	9.891E-11
25.803	44.60	4.460E+01	7.650E-11

25.824	45.74	4.574E+01	9.950E-11
25.849	44.30	4.430E+01	7.137E-11
25.884	45.03	4.503E+01	8.441E-11
25.895	43.92	4.392E+01	6.548E-11
25.897	42.81	4.281E+01	5.066E-11
25.94	43.92	4.392E+01	6.538E-11
25.946	42.74	4.274E+01	4.986E-11
25.987	42.48	4.248E+01	4.698E-11
25.996	43.51	4.351E+01	5.957E-11
26.024	44.99	4.499E+01	8.368E-11
26.04	43.67	4.367E+01	6.175E-11
26.07	44.87	4.487E+01	8.148E-11
26.085	43.80	4.380E+01	6.365E-11
26.114	43.26	4.326E+01	5.613E-11
26.127	45.12	4.512E+01	8.630E-11
26.135	44.09	4.409E+01	6.808E-11
26.176	45.80	4.580E+01	1.008E-10
26.179	44.49	4.449E+01	7.453E-11
26.18	43.39	4.339E+01	5.790E-11
26.215	43.71	4.371E+01	6.229E-11
26.217	42.54	4.254E+01	4.765E-11
26.228	41.71	4.171E+01	3.932E-11
26.244	39.34	3.934E+01	2.276E-11
26.244	37.97	3.797E+01	1.663E-11
26.262	33.14	3.314E+01	5.471E-12
26.262	32.07	3.207E+01	4.274E-12
26.264	34.46	3.446E+01	7.410E-12
26.267	31.53	3.153E+01	3.769E-12
26.269	40.27	4.027E+01	2.821E-11
26.289	41.37	4.137E+01	3.636E-11
26.306	42.65	4.265E+01	4.884E-11
26.311	43.87	4.387E+01	6.461E-11
26.317	45.24	4.524E+01	8.856E-11
26.353	43.83	4.383E+01	6.414E-11
26.389	43.34	4.334E+01	5.718E-11
26.406	44.37	4.437E+01	7.256E-11
26.415	44.95	4.495E+01	8.301E-11
26.435	42.74	4.274E+01	4.980E-11
26.468	38.25	3.825E+01	1.773E-11
26.47	41.54	4.154E+01	3.784E-11
26.47	39.66	3.966E+01	2.454E-11
26.495	42.25	4.225E+01	4.453E-11
26.495	41.47	4.147E+01	3.722E-11
26.501	43.44	4.344E+01	5.854E-11