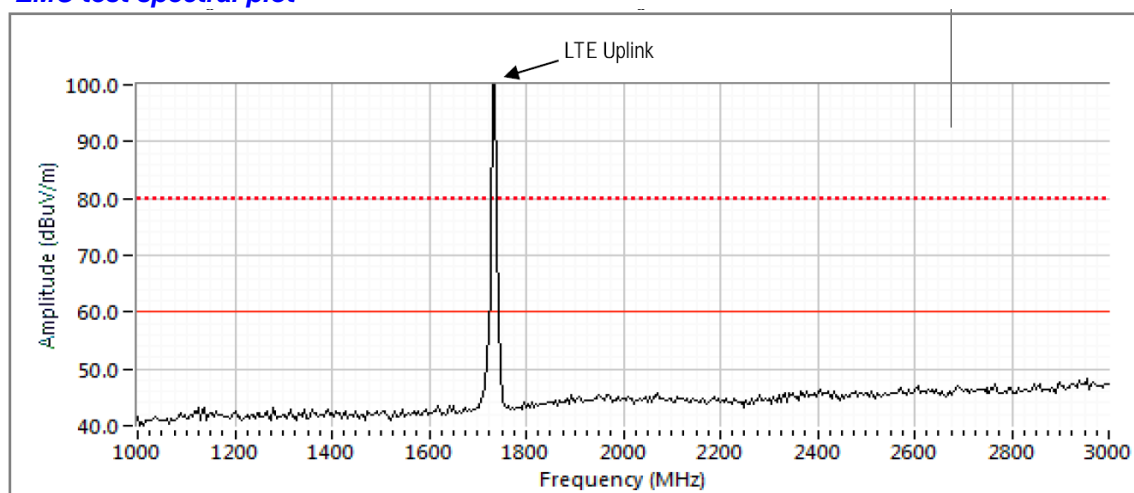


Prepared by: Dr Vitas Anderson (Two Fields Consulting)
Date: 27 May 2022

FCC ID: 2AFYJ-OASLV204 (Configuration 3, Figure 43aLTE, Class A device)
Frequency span: 1,000 MHz to 3,000 MHz
RBW: 1.0 MHz, distance: 3.0 m
No. of sample points: 2,000
Cumulative S level: $3.290\text{E-}05 \text{ W/m}^2$
Device radiated power: 2.2689 mW

EMC test spectral plot



Plot of extracted data from EMC test spectral plot

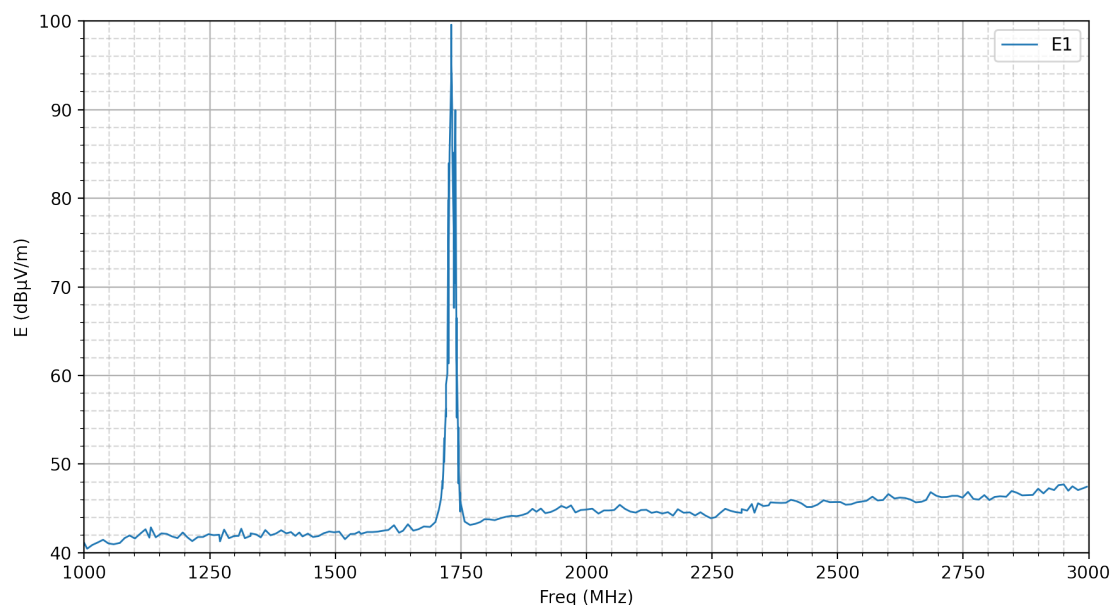


Table of extracted data from EMC test spectral plot

Freq (MHz)	E (dBμV/m)	E (V/m rms)	S (W/m²)
999	41.17	1.144E-04	3.472E-11
1006	40.45	1.054E-04	2.945E-11
1016	40.88	1.107E-04	3.249E-11
1027	41.16	1.142E-04	3.462E-11
1038	41.46	1.183E-04	3.714E-11
1048	41.06	1.129E-04	3.383E-11
1059	40.96	1.116E-04	3.305E-11
1071	41.11	1.136E-04	3.422E-11
1081	41.66	1.210E-04	3.885E-11
1090	41.95	1.251E-04	4.152E-11
1101	41.61	1.203E-04	3.841E-11
1112	42.15	1.280E-04	4.348E-11
1122	42.65	1.356E-04	4.878E-11
1130	41.71	1.217E-04	3.930E-11
1133	42.86	1.390E-04	5.126E-11
1142	41.74	1.222E-04	3.962E-11
1154	42.18	1.286E-04	4.386E-11
1165	42.12	1.277E-04	4.323E-11
1175	41.83	1.235E-04	4.045E-11
1186	41.66	1.210E-04	3.885E-11
1196	42.28	1.301E-04	4.488E-11
1206	41.72	1.219E-04	3.939E-11
1215	41.31	1.163E-04	3.588E-11
1226	41.77	1.226E-04	3.987E-11
1237	41.78	1.228E-04	3.999E-11
1247	42.10	1.273E-04	4.298E-11
1258	41.98	1.257E-04	4.188E-11
1269	42.03	1.264E-04	4.237E-11
1270	41.28	1.159E-04	3.563E-11
1279	42.61	1.351E-04	4.838E-11
1288	41.64	1.209E-04	3.874E-11
1299	41.88	1.242E-04	4.092E-11
1307	41.90	1.245E-04	4.110E-11
1313	42.71	1.366E-04	4.951E-11
1320	41.64	1.209E-04	3.874E-11
1331	41.90	1.245E-04	4.110E-11
1331	42.18	1.286E-04	4.386E-11
1343	42.06	1.267E-04	4.261E-11
1352	41.73	1.221E-04	3.953E-11
1361	42.56	1.343E-04	4.783E-11
1371	41.97	1.255E-04	4.176E-11
1382	42.16	1.282E-04	4.361E-11
1392	42.53	1.339E-04	4.755E-11
1403	42.18	1.286E-04	4.386E-11
1412	42.33	1.308E-04	4.540E-11
1420	41.90	1.245E-04	4.110E-11

Calculate device radiated power from EMC test data

1428	42.28	1.301E-04	4.488E-11
1435	41.84	1.236E-04	4.050E-11
1445	42.15	1.281E-04	4.356E-11
1456	41.78	1.227E-04	3.994E-11
1466	41.87	1.240E-04	4.081E-11
1477	42.20	1.288E-04	4.399E-11
1488	42.39	1.317E-04	4.604E-11
1498	42.30	1.304E-04	4.509E-11
1508	42.38	1.315E-04	4.588E-11
1519	41.53	1.193E-04	3.775E-11
1530	42.11	1.275E-04	4.311E-11
1539	42.13	1.278E-04	4.329E-11
1547	42.37	1.314E-04	4.580E-11
1551	42.13	1.278E-04	4.329E-11
1563	42.33	1.308E-04	4.540E-11
1574	42.33	1.308E-04	4.540E-11
1584	42.38	1.315E-04	4.588E-11
1595	42.48	1.331E-04	4.700E-11
1606	42.57	1.345E-04	4.796E-11
1617	43.10	1.429E-04	5.418E-11
1627	42.26	1.297E-04	4.462E-11
1635	42.48	1.331E-04	4.700E-11
1645	43.21	1.447E-04	5.557E-11
1655	42.50	1.333E-04	4.714E-11
1666	42.65	1.357E-04	4.883E-11
1676	42.96	1.406E-04	5.245E-11
1689	42.91	1.398E-04	5.185E-11
1699	43.46	1.490E-04	5.887E-11
1706	44.89	1.756E-04	8.181E-11
1711	46.21	2.044E-04	1.108E-10
1713	48.13	2.548E-04	1.723E-10
1713	47.22	2.297E-04	1.399E-10
1715	49.33	2.927E-04	2.273E-10
1717	52.94	4.435E-04	5.218E-10
1717	52.04	3.998E-04	4.239E-10
1717	51.13	3.603E-04	3.444E-10
1717	50.23	3.248E-04	2.798E-10
1719	54.22	5.139E-04	7.005E-10
1720	56.25	6.492E-04	1.118E-09
1720	55.35	5.852E-04	9.083E-10
1720	57.15	7.203E-04	1.376E-09
1720	58.05	7.992E-04	1.694E-09
1720	58.96	8.867E-04	2.086E-09
1723	60.23	1.027E-03	2.799E-09
1725	79.86	9.844E-03	2.570E-07
1725	69.94	3.139E-03	2.614E-08
1726	61.36	1.170E-03	3.630E-09
1726	62.26	1.298E-03	4.468E-09
1726	63.17	1.440E-03	5.500E-09

Calculate device radiated power from EMC test data

1726	64.07	1.598E-03	6.771E-09
1726	64.97	1.773E-03	8.335E-09
1726	65.87	1.967E-03	1.026E-08
1726	66.78	2.182E-03	1.263E-08
1726	67.68	2.421E-03	1.555E-08
1726	68.58	2.686E-03	1.914E-08
1726	71.29	3.669E-03	3.570E-08
1726	73.09	4.516E-03	5.409E-08
1726	72.19	4.070E-03	4.394E-08
1726	74.90	5.559E-03	8.197E-08
1726	75.80	6.168E-03	1.009E-07
1726	76.70	6.843E-03	1.242E-07
1726	77.61	7.592E-03	1.529E-07
1726	78.51	8.423E-03	1.882E-07
1726	81.22	1.150E-02	3.511E-07
1726	82.12	1.276E-02	4.322E-07
1726	83.02	1.416E-02	5.320E-07
1726	83.92	1.571E-02	6.549E-07
1726	74.00	5.010E-03	6.659E-08
1727	85.17	1.813E-02	8.714E-07
1731	94.15	5.101E-02	6.902E-06
1731	90.54	3.366E-02	3.006E-06
1731	91.45	3.735E-02	3.700E-06
1731	92.35	4.144E-02	4.555E-06
1731	93.25	4.598E-02	5.607E-06
1731	96.86	6.967E-02	1.287E-05
1731	95.96	6.279E-02	1.046E-05
1731	97.76	7.730E-02	1.585E-05
1731	98.67	8.576E-02	1.951E-05
1731	99.57	9.515E-02	2.402E-05
1731	95.06	5.660E-02	8.496E-06
1733	89.64	3.034E-02	2.442E-06
1733	88.74	2.735E-02	1.984E-06
1733	87.84	2.465E-02	1.612E-06
1733	86.93	2.222E-02	1.309E-06
1733	86.03	2.002E-02	1.063E-06
1736	74.30	5.187E-03	7.136E-08
1736	75.20	5.755E-03	8.785E-08
1736	73.40	4.675E-03	5.797E-08
1736	76.10	6.385E-03	1.081E-07
1736	71.59	3.798E-03	3.826E-08
1736	68.88	2.781E-03	2.051E-08
1736	67.62	2.405E-03	1.535E-08
1736	72.49	4.214E-03	4.709E-08
1736	77.01	7.084E-03	1.331E-07
1736	69.79	3.085E-03	2.525E-08
1736	78.81	8.720E-03	2.017E-07
1736	85.13	1.805E-02	8.639E-07
1736	77.91	7.860E-03	1.639E-07

1736	83.32	1.466E-02	5.701E-07
1736	84.23	1.627E-02	7.018E-07
1736	81.52	1.191E-02	3.763E-07
1736	79.71	9.675E-03	2.483E-07
1736	82.42	1.321E-02	4.632E-07
1737	70.44	3.326E-03	2.934E-08
1737	80.39	1.046E-02	2.902E-07
1739	89.94	3.141E-02	2.617E-06
1742	59.26	9.179E-04	2.235E-09
1742	55.27	5.801E-04	8.927E-10
1742	56.55	6.721E-04	1.198E-09
1742	57.45	7.457E-04	1.475E-09
1742	58.35	8.274E-04	1.816E-09
1742	61.06	1.130E-03	3.387E-09
1742	60.16	1.018E-03	2.751E-09
1742	62.87	1.391E-03	5.132E-09
1742	63.77	1.543E-03	6.318E-09
1742	64.67	1.712E-03	7.777E-09
1742	65.57	1.900E-03	9.573E-09
1742	66.48	2.108E-03	1.178E-08
1742	61.96	1.254E-03	4.169E-09
1745	51.43	3.730E-04	3.691E-10
1745	47.82	2.462E-04	1.607E-10
1745	48.73	2.731E-04	1.979E-10
1745	49.63	3.030E-04	2.436E-10
1745	52.34	4.139E-04	4.543E-10
1745	53.24	4.592E-04	5.593E-10
1745	54.14	5.095E-04	6.885E-10
1745	50.53	3.362E-04	2.998E-10
1749	44.65	1.707E-04	7.733E-11
1749	46.77	2.181E-04	1.261E-10
1749	45.87	1.965E-04	1.025E-10
1757	43.51	1.498E-04	5.956E-11
1768	43.13	1.434E-04	5.455E-11
1779	43.26	1.456E-04	5.622E-11
1789	43.46	1.490E-04	5.887E-11
1797	43.78	1.545E-04	6.331E-11
1807	43.76	1.542E-04	6.309E-11
1817	43.68	1.527E-04	6.183E-11
1830	43.91	1.569E-04	6.532E-11
1840	44.06	1.597E-04	6.762E-11
1851	44.16	1.615E-04	6.920E-11
1861	44.12	1.608E-04	6.856E-11
1872	44.25	1.632E-04	7.061E-11
1883	44.47	1.672E-04	7.416E-11
1892	44.95	1.768E-04	8.295E-11
1900	44.63	1.704E-04	7.700E-11
1909	44.99	1.775E-04	8.360E-11
1918	44.47	1.672E-04	7.416E-11

Calculate device radiated power from EMC test data

1929	44.59	1.696E-04	7.634E-11
1939	44.87	1.751E-04	8.134E-11
1950	45.28	1.837E-04	8.952E-11
1960	45.04	1.787E-04	8.469E-11
1969	45.34	1.850E-04	9.077E-11
1978	44.54	1.687E-04	7.546E-11
1988	44.82	1.741E-04	8.041E-11
1999	44.87	1.751E-04	8.134E-11
2012	44.97	1.771E-04	8.324E-11
2024	44.42	1.662E-04	7.331E-11
2035	44.77	1.732E-04	7.957E-11
2045	44.77	1.732E-04	7.957E-11
2055	44.82	1.741E-04	8.041E-11
2066	45.41	1.863E-04	9.209E-11
2077	44.94	1.766E-04	8.276E-11
2087	44.64	1.706E-04	7.722E-11
2098	44.53	1.684E-04	7.524E-11
2109	44.82	1.741E-04	8.041E-11
2119	44.84	1.746E-04	8.087E-11
2130	44.50	1.679E-04	7.477E-11
2140	44.62	1.702E-04	7.687E-11
2151	44.43	1.665E-04	7.352E-11
2162	44.58	1.693E-04	7.607E-11
2172	44.18	1.619E-04	6.952E-11
2182	44.91	1.759E-04	8.209E-11
2193	44.52	1.682E-04	7.502E-11
2206	44.55	1.689E-04	7.568E-11
2216	44.20	1.622E-04	6.980E-11
2227	44.57	1.692E-04	7.590E-11
2237	44.18	1.618E-04	6.940E-11
2248	43.89	1.566E-04	6.504E-11
2257	44.01	1.586E-04	6.675E-11
2265	44.44	1.667E-04	7.374E-11
2276	44.95	1.769E-04	8.300E-11
2287	44.73	1.724E-04	7.880E-11
2297	44.58	1.694E-04	7.612E-11
2309	44.50	1.678E-04	7.470E-11
2309	44.92	1.761E-04	8.228E-11
2320	44.75	1.729E-04	7.925E-11
2329	45.49	1.882E-04	9.397E-11
2335	44.52	1.682E-04	7.502E-11
2342	45.58	1.901E-04	9.588E-11
2352	45.27	1.834E-04	8.921E-11
2363	45.34	1.850E-04	9.077E-11
2366	45.68	1.923E-04	9.812E-11
2377	45.64	1.915E-04	9.728E-11
2387	45.62	1.910E-04	9.672E-11
2397	45.64	1.915E-04	9.728E-11
2407	45.97	1.988E-04	1.049E-10

Calculate device radiated power from EMC test data

2417	45.83	1.957E-04	1.016E-10
2428	45.57	1.899E-04	9.561E-11
2439	45.15	1.810E-04	8.692E-11
2448	45.16	1.812E-04	8.707E-11
2460	45.42	1.866E-04	9.235E-11
2472	45.92	1.977E-04	1.037E-10
2485	45.71	1.929E-04	9.869E-11
2495	45.72	1.932E-04	9.898E-11
2506	45.72	1.932E-04	9.898E-11
2516	45.42	1.866E-04	9.235E-11
2527	45.47	1.877E-04	9.343E-11
2538	45.69	1.925E-04	9.829E-11
2548	45.77	1.943E-04	1.001E-10
2558	45.87	1.965E-04	1.025E-10
2569	46.32	2.070E-04	1.137E-10
2580	45.89	1.971E-04	1.031E-10
2590	45.94	1.983E-04	1.043E-10
2601	46.62	2.143E-04	1.218E-10
2613	46.12	2.023E-04	1.086E-10
2624	46.22	2.046E-04	1.111E-10
2635	46.17	2.035E-04	1.098E-10
2645	45.99	1.994E-04	1.055E-10
2656	45.68	1.923E-04	9.812E-11
2667	45.75	1.938E-04	9.967E-11
2676	45.94	1.983E-04	1.043E-10
2685	46.83	2.196E-04	1.279E-10
2696	46.43	2.097E-04	1.167E-10
2707	46.27	2.058E-04	1.124E-10
2718	46.29	2.063E-04	1.129E-10
2728	46.42	2.094E-04	1.163E-10
2739	46.42	2.094E-04	1.163E-10
2749	46.22	2.046E-04	1.110E-10
2760	46.86	2.203E-04	1.288E-10
2770	46.07	2.011E-04	1.073E-10
2781	45.99	1.994E-04	1.055E-10
2792	46.50	2.114E-04	1.185E-10
2802	45.94	1.983E-04	1.043E-10
2813	46.30	2.064E-04	1.130E-10
2823	46.37	2.082E-04	1.150E-10
2836	46.32	2.070E-04	1.137E-10
2846	46.97	2.230E-04	1.319E-10
2857	46.77	2.181E-04	1.261E-10
2867	46.47	2.106E-04	1.177E-10
2878	46.50	2.113E-04	1.184E-10
2889	46.52	2.119E-04	1.191E-10
2899	47.22	2.297E-04	1.399E-10
2910	46.70	2.162E-04	1.240E-10
2920	47.27	2.310E-04	1.416E-10
2931	47.07	2.257E-04	1.352E-10

Calculate device radiated power from EMC test data

2940	47.62	2.405E-04	1.535E-10
2950	47.71	2.428E-04	1.564E-10
2959	47.00	2.238E-04	1.329E-10
2968	47.49	2.370E-04	1.489E-10
2979	47.07	2.257E-04	1.352E-10
2989	47.29	2.314E-04	1.420E-10
2996	47.45	2.357E-04	1.474E-10