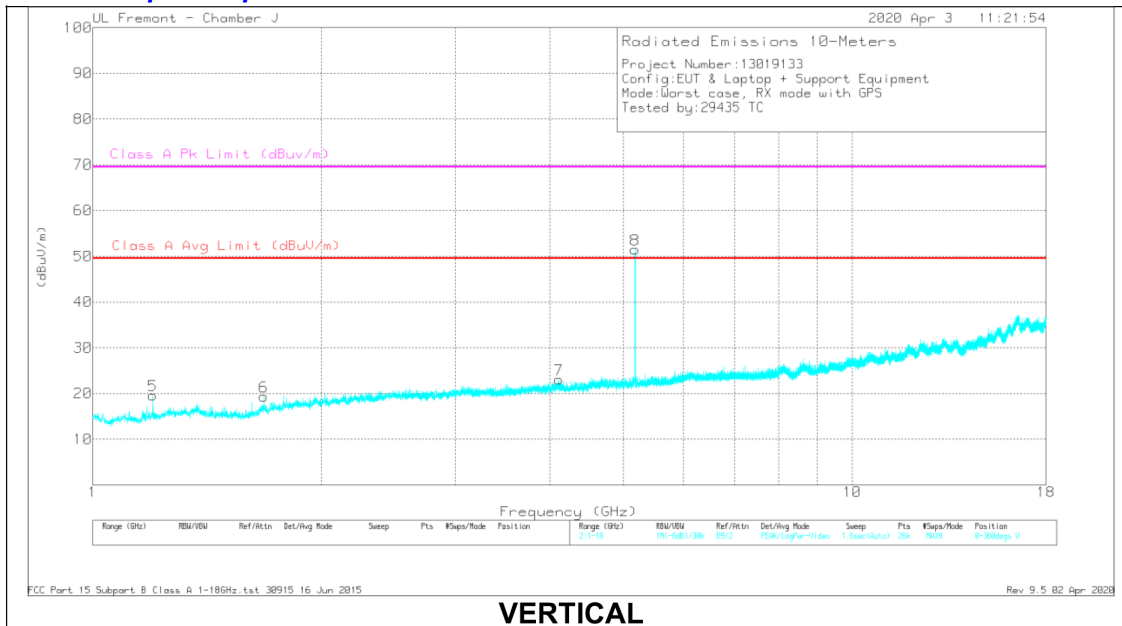


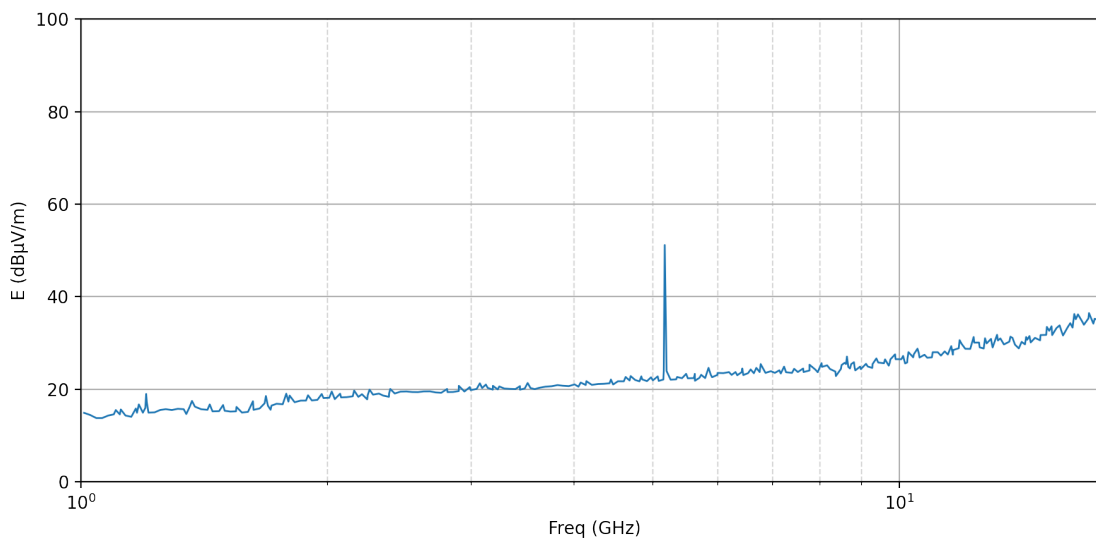
Prepared by: Dr Vitas Anderson (Two Fields Consulting)  
Date: 16 June 2022

FCC ID: BCGA2282 (Configuration 1, Figure/Page 15, Class A device)  
Frequency span: 1 GHz to 18 GHz  
RBW: 0.001 GHz, distance: 10 m  
Peak-to-average correction: N/A  
No. of sample points: 17,000  
Cumulative S level: 4.513E-08 W/m<sup>2</sup>  
Device radiated power: 0.0346 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)
1.008	14.92	1.492E+01	8.228E-14
1.025	14.48	1.448E+01	7.450E-14
1.044	13.79	1.379E+01	6.348E-14
1.061	13.79	1.379E+01	6.352E-14
1.078	14.32	1.432E+01	7.167E-14
1.096	14.60	1.460E+01	7.653E-14
1.102	15.52	1.552E+01	9.455E-14
1.115	14.58	1.458E+01	7.619E-14
1.118	15.66	1.566E+01	9.756E-14
1.133	14.34	1.434E+01	7.203E-14
1.151	14.07	1.407E+01	6.768E-14
1.166	15.86	1.586E+01	1.023E-13
1.17	14.94	1.494E+01	8.274E-14
1.176	16.74	1.674E+01	1.253E-13
1.19	14.96	1.496E+01	8.305E-14
1.198	16.00	1.600E+01	1.055E-13
1.201	19.01	1.901E+01	2.110E-13
1.203	17.15	1.715E+01	1.375E-13
1.208	14.97	1.497E+01	8.322E-14
1.229	15.03	1.503E+01	8.439E-14
1.25	15.55	1.555E+01	9.519E-14
1.269	15.71	1.571E+01	9.887E-14
1.291	15.54	1.554E+01	9.490E-14
1.313	15.79	1.579E+01	1.007E-13
1.334	15.71	1.571E+01	9.870E-14
1.344	14.66	1.466E+01	7.757E-14
1.357	16.15	1.615E+01	1.094E-13
1.366	17.49	1.749E+01	1.489E-13
1.377	16.26	1.626E+01	1.122E-13
1.402	15.70	1.570E+01	9.854E-14
1.427	15.58	1.558E+01	9.592E-14
1.436	16.74	1.674E+01	1.253E-13
1.447	15.24	1.524E+01	8.869E-14
1.474	15.28	1.528E+01	8.954E-14
1.491	16.61	1.661E+01	1.215E-13
1.498	15.37	1.537E+01	9.140E-14
1.522	15.20	1.520E+01	8.782E-14
1.546	15.25	1.525E+01	8.878E-14
1.548	16.20	1.620E+01	1.106E-13
1.572	14.98	1.498E+01	8.354E-14
1.599	15.13	1.513E+01	8.644E-14
1.622	17.43	1.743E+01	1.466E-13
1.624	15.58	1.558E+01	9.577E-14
1.652	15.86	1.586E+01	1.023E-13
1.676	16.98	1.698E+01	1.324E-13
1.682	18.55	1.855E+01	1.898E-13

1.691	16.47	1.647E+01	1.177E-13
1.704	15.59	1.559E+01	9.604E-14
1.708	16.49	1.649E+01	1.181E-13
1.733	16.88	1.688E+01	1.294E-13
1.763	16.77	1.677E+01	1.262E-13
1.781	19.06	1.906E+01	2.135E-13
1.792	17.35	1.735E+01	1.440E-13
1.798	18.65	1.865E+01	1.944E-13
1.823	17.22	1.722E+01	1.397E-13
1.855	17.56	1.756E+01	1.513E-13
1.883	17.57	1.757E+01	1.517E-13
1.893	18.72	1.872E+01	1.974E-13
1.914	17.60	1.760E+01	1.527E-13
1.944	17.73	1.773E+01	1.573E-13
1.968	18.99	1.899E+01	2.102E-13
1.978	18.12	1.812E+01	1.721E-13
2.01	18.18	1.818E+01	1.745E-13
2.024	19.53	1.953E+01	2.383E-13
2.042	17.88	1.788E+01	1.629E-13
2.072	19.06	1.906E+01	2.135E-13
2.078	18.26	1.826E+01	1.776E-13
2.112	18.31	1.831E+01	1.798E-13
2.148	18.49	1.849E+01	1.875E-13
2.156	19.74	1.974E+01	2.497E-13
2.182	18.37	1.837E+01	1.821E-13
2.204	18.95	1.895E+01	2.083E-13
2.237	17.83	1.783E+01	1.610E-13
2.24	18.73	1.873E+01	1.978E-13
2.251	19.94	1.994E+01	2.617E-13
2.274	18.85	1.885E+01	2.034E-13
2.312	19.08	1.908E+01	2.145E-13
2.34	18.66	1.866E+01	1.946E-13
2.378	18.38	1.838E+01	1.826E-13
2.379	19.08	1.908E+01	2.147E-13
2.387	20.08	2.008E+01	2.701E-13
2.417	19.10	1.910E+01	2.156E-13
2.457	19.50	1.950E+01	2.366E-13
2.499	19.54	1.954E+01	2.386E-13
2.539	19.42	1.942E+01	2.320E-13
2.58	19.40	1.940E+01	2.309E-13
2.622	19.55	1.955E+01	2.390E-13
2.67	19.56	1.956E+01	2.398E-13
2.711	19.34	1.934E+01	2.276E-13
2.755	19.26	1.926E+01	2.236E-13
2.801	20.08	2.008E+01	2.701E-13
2.804	19.40	1.940E+01	2.311E-13
2.848	19.43	1.943E+01	2.324E-13
2.894	19.62	1.962E+01	2.433E-13
2.895	20.76	2.076E+01	3.159E-13

## Calculate device radiated power from EMC test data

2.941	19.53	1.953E+01	2.379E-13
2.986	20.49	2.049E+01	2.967E-13
2.993	19.83	1.983E+01	2.552E-13
3.044	20.08	2.008E+01	2.703E-13
3.071	21.30	2.130E+01	3.580E-13
3.091	20.28	2.028E+01	2.831E-13
3.124	21.03	2.103E+01	3.363E-13
3.14	20.32	2.032E+01	2.854E-13
3.185	19.93	1.993E+01	2.612E-13
3.186	20.76	2.076E+01	3.159E-13
3.23	19.98	1.998E+01	2.640E-13
3.244	20.62	2.062E+01	3.061E-13
3.29	20.17	2.017E+01	2.761E-13
3.345	20.09	2.009E+01	2.710E-13
3.394	20.05	2.005E+01	2.686E-13
3.438	20.69	2.069E+01	3.110E-13
3.439	19.93	1.993E+01	2.609E-13
3.485	20.18	2.018E+01	2.767E-13
3.514	21.37	2.137E+01	3.637E-13
3.542	20.27	2.027E+01	2.824E-13
3.585	20.04	2.004E+01	2.678E-13
3.631	20.33	2.033E+01	2.865E-13
3.691	20.56	2.056E+01	3.021E-13
3.759	20.67	2.067E+01	3.097E-13
3.821	20.92	2.092E+01	3.275E-13
3.877	20.78	2.078E+01	3.177E-13
3.945	20.70	2.070E+01	3.114E-13
4.01	21.06	2.106E+01	3.386E-13
4.054	20.58	2.058E+01	3.028E-13
4.079	21.47	2.147E+01	3.722E-13
4.138	20.93	2.093E+01	3.288E-13
4.145	21.77	2.177E+01	3.983E-13
4.209	20.96	2.096E+01	3.308E-13
4.285	21.15	2.115E+01	3.458E-13
4.353	21.19	2.119E+01	3.492E-13
4.425	21.31	2.131E+01	3.584E-13
4.441	22.12	2.212E+01	4.321E-13
4.469	21.05	2.105E+01	3.376E-13
4.531	21.74	2.174E+01	3.964E-13
4.606	21.73	2.173E+01	3.952E-13
4.629	22.66	2.266E+01	4.898E-13
4.681	21.90	2.190E+01	4.111E-13
4.695	22.87	2.287E+01	5.133E-13
4.755	22.02	2.202E+01	4.221E-13
4.813	21.73	2.173E+01	3.950E-13
4.839	22.80	2.280E+01	5.054E-13
4.85	22.14	2.214E+01	4.344E-13
4.916	21.78	2.178E+01	3.992E-13
4.972	22.60	2.260E+01	4.822E-13

## Calculate device radiated power from EMC test data

4.998	21.94	2.194E+01	4.143E-13
5.067	22.80	2.280E+01	5.054E-13
5.081	21.82	2.182E+01	4.033E-13
5.149	22.12	2.212E+01	4.321E-13
5.15	22.81	2.281E+01	5.071E-13
5.153	23.96	2.396E+01	6.596E-13
5.168	51.17	5.117E+01	3.472E-10
5.195	23.96	2.396E+01	6.596E-13
5.254	22.08	2.208E+01	4.285E-13
5.337	22.16	2.216E+01	4.360E-13
5.351	22.66	2.266E+01	4.898E-13
5.425	22.40	2.240E+01	4.610E-13
5.489	23.34	2.334E+01	5.728E-13
5.515	22.38	2.238E+01	4.583E-13
5.61	22.43	2.243E+01	4.646E-13
5.625	23.34	2.334E+01	5.728E-13
5.627	21.85	2.185E+01	4.065E-13
5.699	22.50	2.250E+01	4.712E-13
5.726	23.14	2.314E+01	5.465E-13
5.791	22.43	2.243E+01	4.642E-13
5.846	24.64	2.464E+01	7.714E-13
5.882	23.18	2.318E+01	5.519E-13
5.904	22.62	2.262E+01	4.849E-13
5.995	23.12	2.312E+01	5.443E-13
5.996	23.55	2.355E+01	6.004E-13
6.094	23.50	2.350E+01	5.937E-13
6.193	23.71	2.371E+01	6.238E-13
6.238	23.12	2.312E+01	5.439E-13
6.308	23.73	2.373E+01	6.259E-13
6.339	23.04	2.304E+01	5.344E-13
6.42	23.74	2.374E+01	6.274E-13
6.429	24.50	2.450E+01	7.476E-13
6.447	23.08	2.308E+01	5.392E-13
6.535	23.50	2.350E+01	5.933E-13
6.582	24.30	2.430E+01	7.133E-13
6.641	23.48	2.348E+01	5.905E-13
6.688	24.64	2.464E+01	7.714E-13
6.751	23.73	2.373E+01	6.259E-13
6.77	25.45	2.545E+01	9.310E-13
6.863	23.55	2.355E+01	6.006E-13
6.967	23.92	2.392E+01	6.543E-13
7.047	23.55	2.355E+01	6.013E-13
7.135	24.11	2.411E+01	6.832E-13
7.164	23.41	2.341E+01	5.819E-13
7.231	24.91	2.491E+01	8.213E-13
7.271	23.69	2.369E+01	6.208E-13
7.395	23.55	2.355E+01	6.006E-13
7.438	24.43	2.443E+01	7.360E-13
7.517	23.74	2.374E+01	6.280E-13

## Calculate device radiated power from EMC test data

7.63	24.50	2.450E+01	7.476E-13
7.639	23.74	2.374E+01	6.274E-13
7.767	24.07	2.407E+01	6.769E-13
7.767	25.32	2.532E+01	9.022E-13
7.896	24.27	2.427E+01	7.089E-13
7.95	23.70	2.370E+01	6.215E-13
8.035	25.66	2.566E+01	9.757E-13
8.047	24.86	2.486E+01	8.118E-13
8.163	25.18	2.518E+01	8.752E-13
8.23	24.39	2.439E+01	7.287E-13
8.354	23.84	2.384E+01	6.419E-13
8.367	22.87	2.287E+01	5.133E-13
8.486	24.42	2.442E+01	7.336E-13
8.502	25.25	2.525E+01	8.882E-13
8.574	25.72	2.572E+01	9.912E-13
8.608	25.46	2.546E+01	9.323E-13
8.631	27.09	2.709E+01	1.356E-12
8.663	24.84	2.484E+01	8.085E-13
8.704	24.50	2.450E+01	7.476E-13
8.736	25.45	2.545E+01	9.313E-13
8.803	25.86	2.586E+01	1.023E-12
8.82	24.68	2.468E+01	7.799E-13
8.836	24.09	2.409E+01	6.806E-13
8.956	24.90	2.490E+01	8.204E-13
8.975	24.36	2.436E+01	7.241E-13
9.107	25.51	2.551E+01	9.437E-13
9.151	24.93	2.493E+01	8.258E-13
9.269	24.62	2.462E+01	7.694E-13
9.276	25.45	2.545E+01	9.312E-13
9.376	26.68	2.668E+01	1.234E-12
9.426	25.79	2.579E+01	1.007E-12
9.577	25.63	2.563E+01	9.699E-13
9.608	26.47	2.647E+01	1.178E-12
9.708	25.11	2.511E+01	8.608E-13
9.736	25.74	2.574E+01	9.950E-13
9.754	26.47	2.647E+01	1.178E-12
9.883	27.56	2.756E+01	1.513E-12
9.897	26.52	2.652E+01	1.189E-12
10.06	26.51	2.651E+01	1.186E-12
10.109	27.22	2.722E+01	1.399E-12
10.166	25.59	2.559E+01	9.606E-13
10.227	25.81	2.581E+01	1.011E-12
10.234	26.65	2.665E+01	1.226E-12
10.262	28.04	2.804E+01	1.688E-12
10.4	26.91	2.691E+01	1.303E-12
10.418	27.56	2.756E+01	1.513E-12
10.527	28.79	2.879E+01	2.006E-12
10.567	27.76	2.776E+01	1.585E-12
10.587	26.87	2.687E+01	1.292E-12

## Calculate device radiated power from EMC test data

10.736	27.47	2.747E+01	1.480E-12
10.821	26.82	2.682E+01	1.277E-12
10.962	26.91	2.691E+01	1.301E-12
10.987	28.01	2.801E+01	1.679E-12
11.145	28.02	2.802E+01	1.682E-12
11.245	27.29	2.729E+01	1.421E-12
11.364	28.20	2.820E+01	1.752E-12
11.465	27.53	2.753E+01	1.500E-12
11.576	29.33	2.933E+01	2.274E-12
11.63	27.49	2.749E+01	1.489E-12
11.638	28.49	2.849E+01	1.873E-12
11.822	28.87	2.887E+01	2.044E-12
11.852	30.62	3.062E+01	3.062E-12
11.917	29.84	2.984E+01	2.555E-12
12.042	28.77	2.877E+01	1.996E-12
12.212	28.73	2.873E+01	1.982E-12
12.329	31.30	3.130E+01	3.581E-12
12.35	30.09	3.009E+01	2.711E-12
12.518	30.11	3.011E+01	2.718E-12
12.539	29.07	2.907E+01	2.143E-12
12.683	28.82	2.882E+01	2.020E-12
12.73	31.03	3.103E+01	3.364E-12
12.788	29.92	2.992E+01	2.605E-12
12.948	30.90	3.090E+01	3.260E-12
12.979	29.82	2.982E+01	2.545E-12
13.006	29.05	2.905E+01	2.132E-12
13.169	31.78	3.178E+01	3.996E-12
13.202	30.56	3.056E+01	3.016E-12
13.294	30.99	3.099E+01	3.331E-12
13.426	29.69	2.969E+01	2.472E-12
13.633	30.30	3.030E+01	2.842E-12
13.674	31.37	3.137E+01	3.638E-12
13.753	31.12	3.112E+01	3.434E-12
13.851	29.65	2.965E+01	2.446E-12
14.0	28.84	2.884E+01	2.033E-12
14.113	30.25	3.025E+01	2.813E-12
14.246	29.72	2.972E+01	2.485E-12
14.292	31.30	3.130E+01	3.581E-12
14.336	30.71	3.071E+01	3.122E-12
14.428	31.51	3.151E+01	3.753E-12
14.476	30.13	3.013E+01	2.731E-12
14.653	31.12	3.112E+01	3.434E-12
14.866	30.58	3.058E+01	3.033E-12
14.883	31.72	3.172E+01	3.943E-12
15.122	31.76	3.176E+01	3.978E-12
15.151	33.48	3.348E+01	5.912E-12
15.251	32.65	3.265E+01	4.882E-12
15.352	33.62	3.362E+01	6.100E-12
15.379	31.72	3.172E+01	3.941E-12

15.565	33.22	3.322E+01	5.573E-12
15.704	33.82	3.382E+01	6.394E-12
15.789	32.53	3.253E+01	4.748E-12
15.856	31.63	3.163E+01	3.864E-12
16.062	33.39	3.339E+01	5.784E-12
16.184	34.30	3.430E+01	7.137E-12
16.287	33.34	3.334E+01	5.721E-12
16.367	36.27	3.627E+01	1.124E-11
16.436	35.14	3.514E+01	8.670E-12
16.537	36.19	3.619E+01	1.104E-11
16.755	34.49	3.449E+01	7.454E-12
16.815	33.95	3.395E+01	6.591E-12
17.03	35.31	3.531E+01	9.019E-12
17.058	36.47	3.647E+01	1.178E-11
17.269	34.19	3.419E+01	6.965E-12
17.333	35.25	3.525E+01	8.884E-12
17.493	34.99	3.499E+01	8.373E-12
17.563	36.34	3.634E+01	1.141E-11
17.598	34.25	3.425E+01	7.062E-12
17.791	33.81	3.381E+01	6.375E-12
17.873	34.96	3.496E+01	8.305E-12
17.987	36.13	3.613E+01	1.087E-11