

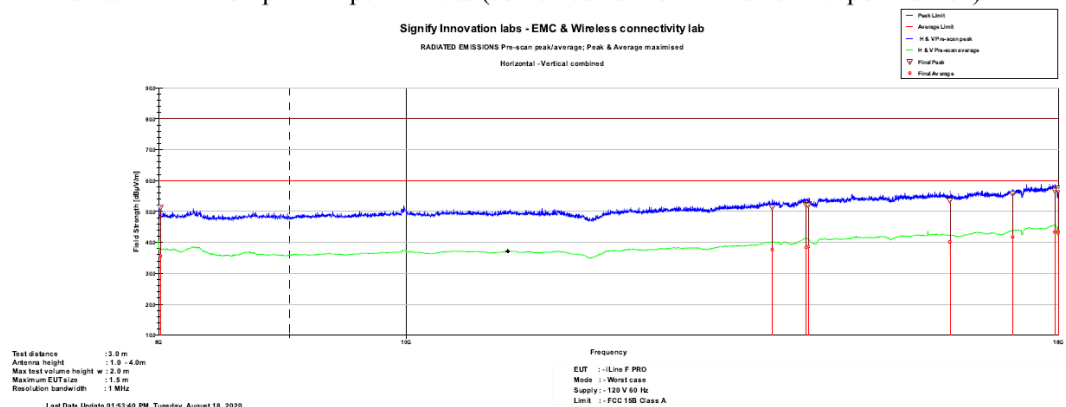
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Date: 14 June 2022

FCC ID: 2AXQY-I3TFMICG02A (Configuration 1, Figure 13, Class A device)
Frequency span: 8 GHz to 18 GHz
RBW: 0.001 GHz, distance: 3 m
Peak-to-average correction: N/A
No. of sample points: 10,000
Cumulative S level: $2.772\text{E-}07 \text{ W/m}^2$
Device radiated power: 0.0191 mW

EMC test spectral plot

Radiated spurious emissions 8-18 GHz FCC part 15

Result Pre-test: Graph with peak values (combined horizontal and vertical polarisation)



Plot of extracted data from EMC test spectral plot

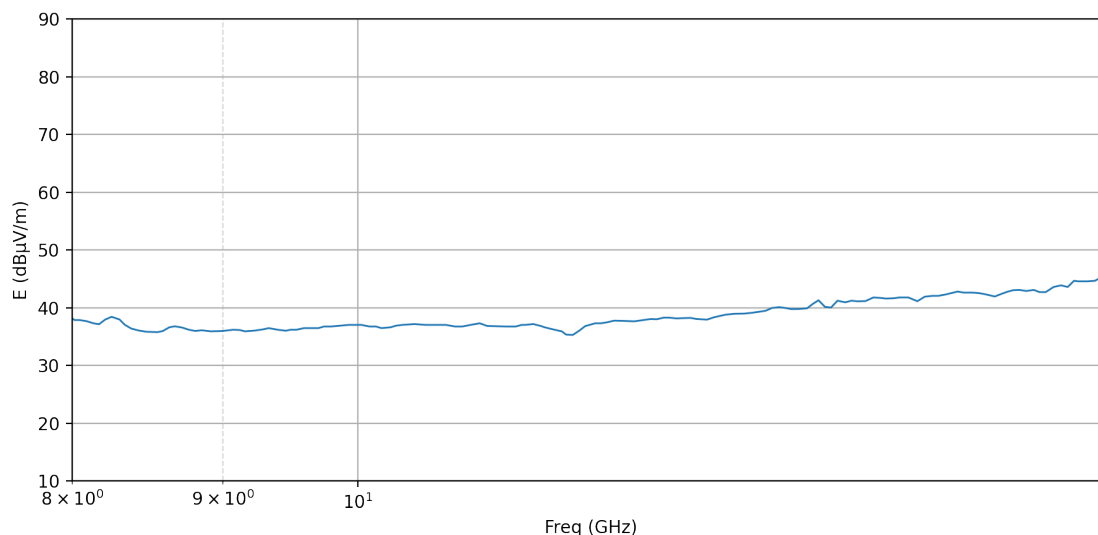


Table of extracted data from EMC test spectral plot

Freq (GHz)	E (dBμV/m)	E (V/m rms)	S (W/m²)
7.998	40.48	4.048E+01	2.962E-11
8.0	38.17	3.817E+01	1.742E-11
8.016	37.87	3.787E+01	1.626E-11
8.047	37.87	3.787E+01	1.626E-11
8.09	37.69	3.769E+01	1.557E-11
8.135	37.32	3.732E+01	1.429E-11
8.17	37.15	3.715E+01	1.375E-11
8.211	37.97	3.797E+01	1.661E-11
8.251	38.43	3.843E+01	1.849E-11
8.303	37.97	3.797E+01	1.661E-11
8.335	37.08	3.708E+01	1.355E-11
8.378	36.41	3.641E+01	1.160E-11
8.42	36.11	3.611E+01	1.082E-11
8.477	35.85	3.585E+01	1.020E-11
8.551	35.78	3.578E+01	1.004E-11
8.587	35.95	3.595E+01	1.045E-11
8.632	36.62	3.662E+01	1.217E-11
8.669	36.79	3.679E+01	1.267E-11
8.719	36.57	3.657E+01	1.204E-11
8.764	36.20	3.620E+01	1.105E-11
8.809	35.99	3.599E+01	1.053E-11
8.853	36.11	3.611E+01	1.082E-11
8.916	35.92	3.592E+01	1.036E-11
8.995	35.97	3.597E+01	1.049E-11
9.075	36.20	3.620E+01	1.105E-11
9.121	36.14	3.614E+01	1.091E-11
9.158	35.92	3.592E+01	1.036E-11
9.23	36.06	3.606E+01	1.070E-11
9.29	36.27	3.627E+01	1.123E-11
9.328	36.48	3.648E+01	1.179E-11
9.394	36.20	3.620E+01	1.105E-11
9.454	36.02	3.602E+01	1.062E-11
9.489	36.20	3.620E+01	1.105E-11
9.534	36.20	3.620E+01	1.105E-11
9.59	36.48	3.648E+01	1.179E-11
9.651	36.48	3.648E+01	1.179E-11
9.699	36.48	3.648E+01	1.179E-11
9.741	36.76	3.676E+01	1.257E-11
9.794	36.76	3.676E+01	1.257E-11
9.93	37.04	3.704E+01	1.340E-11
10.03	37.04	3.704E+01	1.340E-11
10.092	36.76	3.676E+01	1.257E-11
10.144	36.76	3.676E+01	1.257E-11
10.187	36.48	3.648E+01	1.179E-11
10.261	36.62	3.662E+01	1.217E-11
10.303	36.90	3.690E+01	1.298E-11

10.355	37.04	3.704E+01	1.340E-11
10.453	37.17	3.717E+01	1.383E-11
10.545	37.04	3.704E+01	1.340E-11
10.606	37.04	3.704E+01	1.340E-11
10.663	37.04	3.704E+01	1.340E-11
10.713	37.04	3.704E+01	1.340E-11
10.791	36.76	3.676E+01	1.257E-11
10.851	36.76	3.676E+01	1.257E-11
10.923	37.04	3.704E+01	1.340E-11
11.0	37.32	3.732E+01	1.429E-11
11.065	36.85	3.685E+01	1.284E-11
11.106	36.83	3.683E+01	1.277E-11
11.23	36.76	3.676E+01	1.257E-11
11.316	36.76	3.676E+01	1.257E-11
11.367	37.04	3.704E+01	1.340E-11
11.398	37.04	3.704E+01	1.340E-11
11.471	37.18	3.718E+01	1.384E-11
11.538	36.85	3.685E+01	1.284E-11
11.572	36.62	3.662E+01	1.217E-11
11.662	36.20	3.620E+01	1.105E-11
11.729	35.92	3.592E+01	1.036E-11
11.768	35.36	3.536E+01	9.114E-12
11.83	35.29	3.529E+01	8.968E-12
11.89	36.03	3.603E+01	1.063E-11
11.946	36.83	3.683E+01	1.277E-11
12.04	37.32	3.732E+01	1.429E-11
12.093	37.32	3.732E+01	1.429E-11
12.155	37.49	3.749E+01	1.488E-11
12.217	37.77	3.777E+01	1.587E-11
12.298	37.73	3.773E+01	1.574E-11
12.41	37.65	3.765E+01	1.544E-11
12.501	37.87	3.787E+01	1.626E-11
12.572	38.05	3.805E+01	1.692E-11
12.633	38.01	3.801E+01	1.679E-11
12.7	38.29	3.829E+01	1.790E-11
12.752	38.29	3.829E+01	1.790E-11
12.832	38.15	3.815E+01	1.734E-11
12.885	38.20	3.820E+01	1.752E-11
12.969	38.25	3.825E+01	1.771E-11
13.03	38.06	3.806E+01	1.697E-11
13.138	37.94	3.794E+01	1.652E-11
13.205	38.33	3.833E+01	1.805E-11
13.279	38.62	3.862E+01	1.930E-11
13.331	38.80	3.880E+01	2.014E-11
13.423	38.96	3.896E+01	2.089E-11
13.525	38.99	3.899E+01	2.103E-11
13.61	39.13	3.913E+01	2.171E-11
13.668	39.27	3.927E+01	2.242E-11
13.754	39.48	3.948E+01	2.353E-11

Calculate device radiated power from EMC test data

13.823	39.97	3.997E+01	2.633E-11
13.899	40.11	4.011E+01	2.719E-11
13.964	39.97	3.997E+01	2.633E-11
14.031	39.77	3.977E+01	2.517E-11
14.105	39.78	3.978E+01	2.523E-11
14.206	39.90	3.990E+01	2.591E-11
14.27	40.67	4.067E+01	3.092E-11
14.334	41.29	4.129E+01	3.574E-11
14.405	40.16	4.016E+01	2.754E-11
14.474	40.04	4.004E+01	2.676E-11
14.548	41.23	4.123E+01	3.517E-11
14.634	40.95	4.095E+01	3.298E-11
14.71	41.23	4.123E+01	3.517E-11
14.776	41.11	4.111E+01	3.428E-11
14.869	41.16	4.116E+01	3.461E-11
14.962	41.78	4.178E+01	4.000E-11
15.046	41.70	4.170E+01	3.923E-11
15.106	41.60	4.160E+01	3.832E-11
15.203	41.64	4.164E+01	3.873E-11
15.268	41.78	4.178E+01	4.000E-11
15.376	41.78	4.178E+01	4.000E-11
15.484	41.13	4.113E+01	3.442E-11
15.575	41.92	4.192E+01	4.130E-11
15.672	42.06	4.206E+01	4.265E-11
15.74	42.06	4.206E+01	4.265E-11
15.844	42.34	4.234E+01	4.549E-11
15.979	42.81	4.281E+01	5.063E-11
16.057	42.62	4.262E+01	4.851E-11
16.167	42.62	4.262E+01	4.851E-11
16.238	42.55	4.255E+01	4.773E-11
16.327	42.34	4.234E+01	4.549E-11
16.45	41.95	4.195E+01	4.157E-11
16.523	42.34	4.234E+01	4.549E-11
16.61	42.76	4.276E+01	5.009E-11
16.687	43.04	4.304E+01	5.342E-11
16.77	43.09	4.309E+01	5.399E-11
16.86	42.90	4.290E+01	5.173E-11
16.958	43.09	4.309E+01	5.399E-11
17.034	42.71	4.271E+01	4.956E-11
17.118	42.71	4.271E+01	4.956E-11
17.223	43.60	4.360E+01	6.075E-11
17.324	43.88	4.388E+01	6.478E-11
17.414	43.60	4.360E+01	6.075E-11
17.5	44.67	4.467E+01	7.773E-11
17.555	44.58	4.458E+01	7.608E-11
17.685	44.58	4.458E+01	7.608E-11
17.789	44.67	4.467E+01	7.773E-11
17.854	45.13	4.513E+01	8.653E-11
17.96	45.20	4.520E+01	8.793E-11

Calculate device radiated power from EMC test data

17.984	42.34	4.234E+01	4.549E-11
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