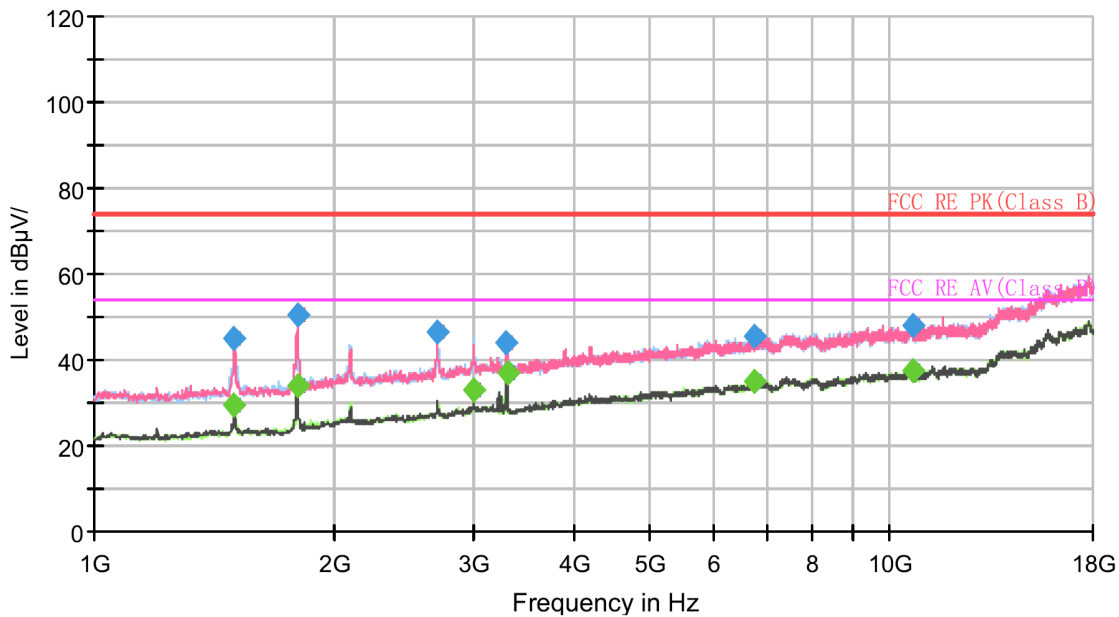


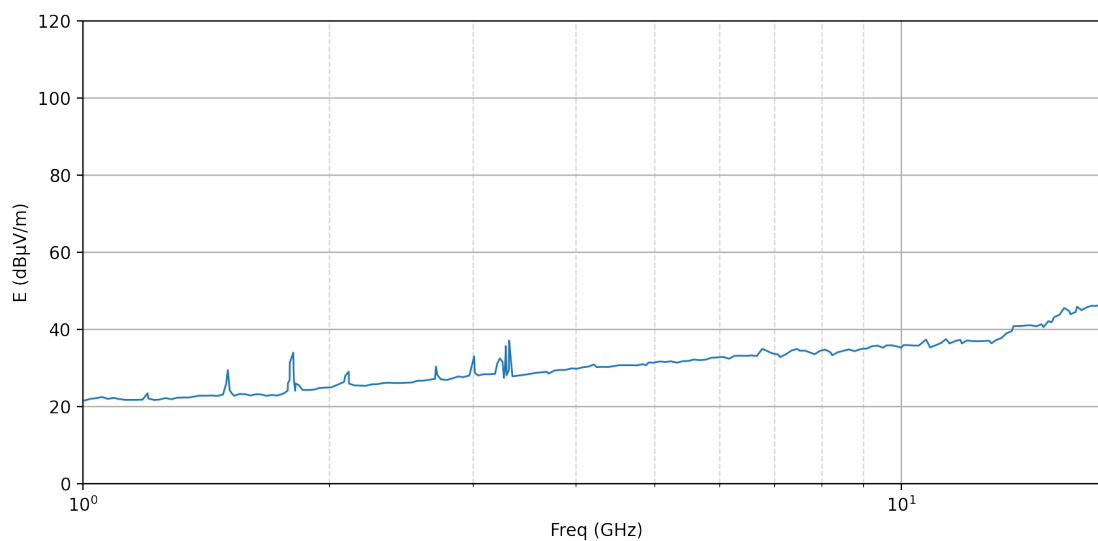
Prepared by: Dr Vitas Anderson (Two Fields Consulting)  
Date: 14 June 2022

FCC ID: SIT-KT570 (Configuration 1, Figure 13, Class B device)  
Frequency span: 1 GHz to 18 GHz  
RBW: 0.001 GHz, distance: 3 m  
Peak-to-average correction: N/A  
No. of sample points: 17,000  
Cumulative S level:  $4.080 \times 10^{-7} \text{ W/m}^2$   
Device radiated power: 0.0281 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)
1.004	21.65	2.165E+01	3.875E-13
1.021	22.07	2.207E+01	4.267E-13
1.037	22.21	2.221E+01	4.416E-13
1.054	22.54	2.254E+01	4.765E-13
1.072	22.04	2.204E+01	4.247E-13
1.089	22.28	2.228E+01	4.482E-13
1.107	22.01	2.201E+01	4.215E-13
1.125	21.79	2.179E+01	4.009E-13
1.143	21.79	2.179E+01	4.001E-13
1.161	21.79	2.179E+01	4.007E-13
1.182	21.86	2.186E+01	4.067E-13
1.198	23.50	2.350E+01	5.944E-13
1.202	22.13	2.213E+01	4.332E-13
1.222	21.75	2.175E+01	3.973E-13
1.239	21.87	2.187E+01	4.077E-13
1.26	22.25	2.225E+01	4.457E-13
1.282	21.95	2.195E+01	4.152E-13
1.302	22.35	2.235E+01	4.556E-13
1.323	22.39	2.239E+01	4.600E-13
1.344	22.39	2.239E+01	4.596E-13
1.367	22.64	2.264E+01	4.873E-13
1.388	22.88	2.288E+01	5.153E-13
1.412	22.86	2.286E+01	5.121E-13
1.435	22.92	2.292E+01	5.190E-13
1.458	22.80	2.280E+01	5.057E-13
1.482	23.18	2.318E+01	5.519E-13
1.489	24.54	2.454E+01	7.547E-13
1.495	25.97	2.597E+01	1.050E-12
1.502	29.52	2.952E+01	2.376E-12
1.51	24.37	2.437E+01	7.263E-13
1.518	23.56	2.356E+01	6.022E-13
1.529	22.85	2.285E+01	5.114E-13
1.552	23.32	2.332E+01	5.691E-13
1.575	23.28	2.328E+01	5.644E-13
1.602	22.94	2.294E+01	5.216E-13
1.628	23.25	2.325E+01	5.612E-13
1.653	23.17	2.317E+01	5.503E-13
1.675	22.81	2.281E+01	5.071E-13
1.7	23.07	2.307E+01	5.377E-13
1.728	22.92	2.292E+01	5.190E-13
1.756	23.38	2.338E+01	5.770E-13
1.778	24.16	2.416E+01	6.910E-13
1.779	26.09	2.609E+01	1.079E-12
1.788	26.90	2.690E+01	1.299E-12
1.789	31.46	3.146E+01	3.713E-12
1.807	34.03	3.403E+01	6.705E-12

1.808	29.36	2.936E+01	2.287E-12
1.81	26.75	2.675E+01	1.254E-12
1.816	24.15	2.415E+01	6.891E-13
1.818	26.04	2.604E+01	1.065E-12
1.837	25.53	2.553E+01	9.484E-13
1.854	24.39	2.439E+01	7.292E-13
1.884	24.35	2.435E+01	7.217E-13
1.916	24.45	2.445E+01	7.388E-13
1.944	24.86	2.486E+01	8.122E-13
1.978	24.98	2.498E+01	8.352E-13
2.008	25.01	2.501E+01	8.398E-13
2.043	25.65	2.565E+01	9.744E-13
2.084	26.45	2.645E+01	1.172E-12
2.09	27.97	2.797E+01	1.662E-12
2.112	29.08	2.908E+01	2.147E-12
2.113	26.02	2.602E+01	1.060E-12
2.145	25.55	2.555E+01	9.512E-13
2.179	25.49	2.549E+01	9.384E-13
2.216	25.43	2.543E+01	9.268E-13
2.252	25.81	2.581E+01	1.011E-12
2.288	25.85	2.585E+01	1.021E-12
2.326	26.16	2.616E+01	1.095E-12
2.366	26.23	2.623E+01	1.112E-12
2.4	26.16	2.616E+01	1.096E-12
2.442	26.15	2.615E+01	1.094E-12
2.481	26.21	2.621E+01	1.109E-12
2.522	26.28	2.628E+01	1.127E-12
2.564	26.76	2.676E+01	1.257E-12
2.606	26.76	2.676E+01	1.259E-12
2.648	27.01	2.701E+01	1.331E-12
2.692	27.23	2.723E+01	1.403E-12
2.699	30.44	3.044E+01	2.934E-12
2.709	28.30	2.830E+01	1.792E-12
2.736	27.14	2.714E+01	1.372E-12
2.782	26.92	2.692E+01	1.307E-12
2.826	27.35	2.735E+01	1.440E-12
2.872	27.85	2.785E+01	1.615E-12
2.916	27.69	2.769E+01	1.557E-12
2.965	28.10	2.810E+01	1.712E-12
3.006	33.08	3.308E+01	5.389E-12
3.011	28.78	2.878E+01	2.004E-12
3.038	28.11	2.811E+01	1.715E-12
3.086	28.42	2.842E+01	1.843E-12
3.135	28.42	2.842E+01	1.844E-12
3.188	28.54	2.854E+01	1.894E-12
3.207	31.16	3.116E+01	3.468E-12
3.231	32.54	3.254E+01	4.765E-12
3.256	31.62	3.162E+01	3.849E-12
3.262	29.44	2.944E+01	2.334E-12

3.268	27.49	2.749E+01	1.488E-12
3.277	29.70	2.970E+01	2.477E-12
3.286	35.74	3.574E+01	9.952E-12
3.294	28.19	2.819E+01	1.748E-12
3.315	29.53	2.953E+01	2.382E-12
3.316	37.16	3.716E+01	1.378E-11
3.321	35.79	3.579E+01	1.006E-11
3.348	27.89	2.789E+01	1.630E-12
3.402	28.09	2.809E+01	1.708E-12
3.462	28.28	2.828E+01	1.787E-12
3.519	28.53	2.853E+01	1.892E-12
3.574	28.80	2.880E+01	2.013E-12
3.633	28.92	2.892E+01	2.066E-12
3.687	29.09	2.909E+01	2.151E-12
3.707	28.59	2.859E+01	1.916E-12
3.765	29.37	2.937E+01	2.297E-12
3.821	29.55	2.955E+01	2.393E-12
3.887	29.55	2.955E+01	2.389E-12
3.953	29.95	2.995E+01	2.624E-12
4.011	29.86	2.986E+01	2.570E-12
4.079	30.20	3.020E+01	2.779E-12
4.149	30.44	3.044E+01	2.936E-12
4.21	30.95	3.095E+01	3.305E-12
4.244	30.27	3.027E+01	2.820E-12
4.309	30.35	3.035E+01	2.872E-12
4.378	30.31	3.031E+01	2.847E-12
4.451	30.52	3.052E+01	2.990E-12
4.519	30.77	3.077E+01	3.169E-12
4.592	30.77	3.077E+01	3.165E-12
4.67	30.77	3.077E+01	3.170E-12
4.755	30.73	3.073E+01	3.139E-12
4.833	31.05	3.105E+01	3.376E-12
4.874	30.73	3.073E+01	3.139E-12
4.909	31.47	3.147E+01	3.718E-12
4.987	31.44	3.144E+01	3.691E-12
5.065	31.74	3.174E+01	3.962E-12
5.15	31.61	3.161E+01	3.840E-12
5.23	31.80	3.180E+01	4.010E-12
5.317	31.42	3.142E+01	3.679E-12
5.407	31.81	3.181E+01	4.024E-12
5.499	31.90	3.190E+01	4.110E-12
5.577	32.24	3.224E+01	4.439E-12
5.67	32.08	3.208E+01	4.286E-12
5.764	32.21	3.221E+01	4.416E-12
5.865	32.71	3.271E+01	4.954E-12
5.961	32.80	3.280E+01	5.050E-12
6.055	32.92	3.292E+01	5.192E-12
6.161	32.46	3.246E+01	4.674E-12
6.252	33.19	3.319E+01	5.533E-12

## Calculate device radiated power from EMC test data

6.367	33.23	3.323E+01	5.582E-12
6.458	33.19	3.319E+01	5.524E-12
6.567	33.32	3.332E+01	5.692E-12
6.658	33.14	3.314E+01	5.466E-12
6.762	35.03	3.503E+01	8.443E-12
6.963	33.80	3.380E+01	6.357E-12
7.067	33.59	3.359E+01	6.056E-12
7.111	32.87	3.287E+01	5.131E-12
7.235	33.66	3.366E+01	6.160E-12
7.344	34.58	3.458E+01	7.619E-12
7.457	35.01	3.501E+01	8.400E-12
7.517	34.53	3.453E+01	7.536E-12
7.624	34.55	3.455E+01	7.561E-12
7.747	34.02	3.402E+01	6.699E-12
7.839	33.62	3.362E+01	6.104E-12
7.944	34.44	3.444E+01	7.369E-12
8.067	34.82	3.482E+01	8.053E-12
8.193	34.14	3.414E+01	6.877E-12
8.234	33.35	3.335E+01	5.740E-12
8.361	34.11	3.411E+01	6.838E-12
8.501	34.51	3.451E+01	7.485E-12
8.626	34.86	3.486E+01	8.126E-12
8.775	34.41	3.441E+01	7.319E-12
8.928	35.00	3.500E+01	8.384E-12
9.072	35.08	3.508E+01	8.543E-12
9.215	35.71	3.571E+01	9.880E-12
9.365	35.83	3.583E+01	1.015E-11
9.501	35.31	3.531E+01	9.001E-12
9.59	35.90	3.590E+01	1.032E-11
9.728	35.94	3.594E+01	1.041E-11
9.885	35.63	3.563E+01	9.705E-12
9.999	35.33	3.533E+01	9.055E-12
10.065	35.97	3.597E+01	1.050E-11
10.211	35.96	3.596E+01	1.047E-11
10.382	35.86	3.586E+01	1.022E-11
10.504	35.85	3.585E+01	1.020E-11
10.725	37.41	3.741E+01	1.460E-11
10.846	35.38	3.538E+01	9.153E-12
11.032	36.00	3.600E+01	1.056E-11
11.19	36.55	3.655E+01	1.198E-11
11.34	37.55	3.755E+01	1.507E-11
11.458	36.41	3.641E+01	1.161E-11
11.635	37.04	3.704E+01	1.340E-11
11.807	37.34	3.734E+01	1.439E-11
11.863	36.41	3.641E+01	1.160E-11
12.023	37.19	3.719E+01	1.389E-11
12.217	37.04	3.704E+01	1.341E-11
12.394	36.98	3.698E+01	1.324E-11
12.625	37.05	3.705E+01	1.344E-11

## Calculate device radiated power from EMC test data

12.804	37.12	3.712E+01	1.366E-11
12.893	36.44	3.644E+01	1.168E-11
13.065	37.32	3.732E+01	1.431E-11
13.262	37.84	3.784E+01	1.614E-11
13.444	39.02	3.902E+01	2.119E-11
13.646	39.60	3.960E+01	2.418E-11
13.719	40.90	4.090E+01	3.260E-11
13.923	40.93	4.093E+01	3.283E-11
14.155	41.04	4.104E+01	3.370E-11
14.394	41.14	4.114E+01	3.451E-11
14.625	40.84	4.084E+01	3.221E-11
14.843	41.41	4.141E+01	3.670E-11
14.924	40.63	4.063E+01	3.064E-11
15.131	42.19	4.219E+01	4.388E-11
15.268	41.88	4.188E+01	4.089E-11
15.375	43.22	4.322E+01	5.562E-11
15.613	43.85	4.385E+01	6.444E-11
15.817	45.63	4.563E+01	9.701E-11
16.046	44.80	4.480E+01	8.008E-11
16.099	44.00	4.400E+01	6.656E-11
16.333	44.54	4.454E+01	7.538E-11
16.402	45.93	4.593E+01	1.039E-10
16.613	45.04	4.504E+01	8.468E-11
16.82	45.68	4.568E+01	9.814E-11
17.073	46.17	4.617E+01	1.099E-10
17.352	46.15	4.615E+01	1.093E-10
17.611	46.94	4.694E+01	1.311E-10
17.831	47.93	4.793E+01	1.647E-10
17.967	46.39	4.639E+01	1.155E-10