

Prepared by: Dr Vitas Anderson (Two Fields Consulting)

Date: 08 June 2022

FCC ID: 2AFYJ-OASLV204 (Configuration 4, Figure 51a, Class A device)

Frequency span: 1,000 MHz to 6,000 MHz

RBW: 1.0 MHz, distance: 3 m No. of sample points: 5,000

Cumulative S level:  $7.018E-08 \text{ W/m}^2$  Device radiated power: 0.0048 mW

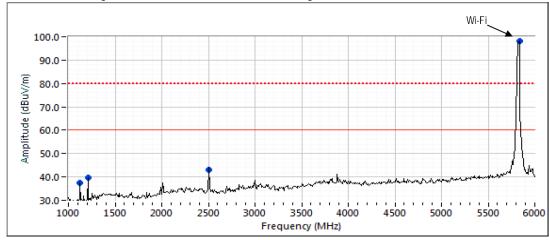
### EMC test spectral plot

Run #3: Maximized Readings, 1000 - 40000 MHz

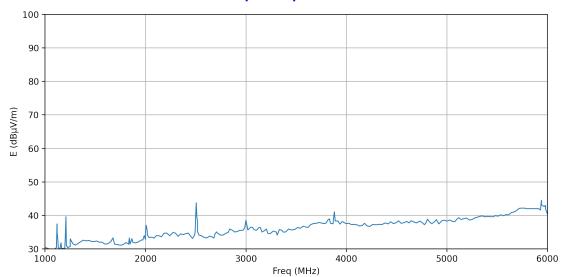
	Test Parameters for Preliminary Scan(s)			
I	Frequency Range	Prescan Distance	Limit Distance	Extrapolation Factor
l	(MHz)	(meters)	(meters)	(dB, applied to data)
	1000 - 40000	3	3	0.0

### **EUT and Test Configuration Details**

LTE modem (R202) is transmitting at 836.5 MHz (Ch# 20525) with max power, 802.11n20 Ch#165 transmitting with max RF power. Camera is active and writing to the SD card and USB stick. GPS is receiving satellites.



### 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)
1006	30.35	3.293E-05	2.877E-12
1048	29.92	3.133E-05	2.603E-12
1098	29.98	3.154E-05	2.638E-12
1113	30.40	3.311E-05	2.908E-12
1119	37.45	7.457E-05	1.475E-11
1120	34.96	5.598E-05	8.313E-12
1123	33.92	4.965E-05	6.538E-12
1126	32.87	4.403E-05	5.141E-12
1128	31.83	3.904E-05	4.043E-12
1131	30.40	3.313E-05	2.912E-12
1148	29.95	3.144E-05	2.623E-12
1159	31.83	3.903E-05	4.040E-12
1164	30.07	3.188E-05	2.696E-12
1196	30.22	3.244E-05	2.792E-12
1203	34.54	5.333E-05	7.543E-12
1208	39.62	9.568E-05	2.429E-11
1212	31.05	3.568E-05	3.377E-12
1225	30.39	3.307E-05	2.900E-12
1250	30.70	3.428E-05	3.117E-12
1250	33.02	4.478E-05	5.319E-12
1276	31.53	3.770E-05	3.770E-12
1302	31.12	3.598E-05	3.433E-12
1329	31.62	3.812E-05	3.854E-12
1354	32.12	4.037E-05	4.322E-12
1379	32.60	4.264E-05	4.822E-12
1409	32.39	4.163E-05	4.596E-12
1437	32.53	4.230E-05	4.746E-12
1463	32.21	4.077E-05	4.410E-12
1489	32.21	4.077E-05	4.410E-12
1515	32.35	4.146E-05	4.559E-12
1541	31.96	3.963E-05	4.167E-12
1565	32.04	3.999E-05	4.242E-12
1593	31.43	3.726E-05	3.683E-12
1624	31.51	3.764E-05	3.757E-12
1654	32.12	4.037E-05	4.322E-12
1675	33.28	4.616E-05	5.651E-12
1692	31.41	3.720E-05	3.671E-12
1733	31.18	3.622E-05	3.480E-12
1759	31.09	3.586E-05	3.411E-12
1780	31.35	3.695E-05	3.622E-12
1806	31.89	3.930E-05	4.098E-12
1831	31.38	3.708E-05	3.648E-12
1838	33.27	4.610E-05	5.636E-12
1845	31.40	3.714E-05	3.660E-12
1864	33.05	4.493E-05	5.355E-12
1872	32.00	3.983E-05	4.209E-12



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1899	31.76	3.873E-05	3.979E-12
1928	32.06	4.010E-05	4.265E-12
1955	32.61	4.272E-05	4.842E-12
1974	32.67	4.301E-05	4.907E-12
1986	33.97	4.993E-05	6.613E-12
1998	32.87	4.403E-05	5.141E-12
2001	35.31	5.827E-05	9.006E-12
2006	37.05	7.119E-05	1.344E-11
2016	35.42	5.900E-05	9.234E-12
2019	34.00	5.014E-05	6.670E-12
2036	33.38	4.666E-05	5.774E-12
2061	33.52	4.741E-05	5.962E-12
2085	33.20	4.571E-05	5.542E-12
2107	33.93	4.975E-05	6.564E-12
2132	33.92	4.965E-05	6.538E-12
2157	33.60	4.789E-05	6.083E-12
2185	34.67	5.414E-05	7.776E-12
2211	34.73	5.451E-05	7.881E-12
2241	33.93	4.973E-05	6.559E-12
2273	34.89	5.554E-05	8.181E-12
2298	34.70	5.433E-05	7.828E-12
2324	33.74	4.866E-05	6.281E-12
2349	34.48	5.298E-05	7.446E-12
2376	34.25	5.159E-05	7.059E-12
2402	34.56	5.343E-05	7.571E-12
2426	34.72	5.443E-05	7.860E-12
2448	33.83	4.915E-05	6.408E-12
2467	33.09	4.514E-05	5.405E-12
2489	34.13	5.090E-05	6.873E-12
2493	34.96	5.598E-05	8.313E-12
2498	38.33	8.248E-05	1.805E-11
2504	43.77	1.544E-04	6.322E-11
2511	39.45	9.384E-05	2.336E-11
2517	38.27	8.189E-05	1.779E-11
2517	35.13	5.711E-05	8.653E-12
2532	34.09	5.065E-05	6.805E-12
2556	33.92	4.965E-05	6.538E-12
2585	33.41	4.683E-05	5.817E-12
2611	33.27	4.605E-05	5.626E-12
2638	33.81	4.905E-05	6.382E-12
2661	33.61	4.794E-05	6.095E-12
2680	33.22	4.582E-05	5.570E-12
2691	34.44	5.272E-05	7.372E-12
2706	35.07	5.669E-05	8.524E-12
2722	34.57	5.352E-05	7.597E-12
2745	34.12	5.082E-05	6.850E-12
2772	34.11	5.073E-05	6.827E-12
2799	34.65	5.400E-05	7.735E-12
2823	34.92	5.574E-05	8.242E-12



2837	35.93	6.260E-05	1.040E-11
2863	35.60	6.025E-05	9.628E-12
2889	35.02	5.636E-05	8.425E-12
2915	35.24	5.779E-05	8.857E-12
2941	35.54	5.985E-05	9.500E-12
2969	35.54	5.987E-05	9.509E-12
2987	36.24	6.484E-05	1.115E-11
2999	38.54	8.452E-05	1.895E-11
3018	35.63	6.048E-05	9.701E-12
3045	36.45	6.648E-05	1.172E-11
3065	36.44	6.637E-05	1.168E-11
3080	35.70	6.095E-05	9.855E-12
3104	35.55	5.993E-05	9.525E-12
3128	36.34	6.560E-05	1.141E-11
3143	36.35	6.571E-05	1.145E-11
3159	35.03	5.643E-05	8.447E-12
3178	35.34	5.846E-05	9.066E-12
3203	35.92	6.250E-05	1.036E-11
3218	34.58	5.357E-05	7.612E-12
3243	34.60	5.368E-05	7.643E-12
3272	35.32	5.837E-05	9.036E-12
3302	35.02	5.636E-05	8.425E-12
3311	34.09	5.065E-05	6.805E-12
3332	35.79	6.157E-05	1.005E-11
3356	35.56	5.995E-05	9.532E-12
3372	35.00	5.621E-05	8.380E-12
3395	35.07	5.666E-05	8.515E-12
3424	35.92	6.250E-05	1.036E-11
3454	35.63	6.045E-05	9.692E-12
3485	35.79	6.157E-05	1.005E-11
3515	36.38	6.593E-05	1.153E-11
3541	36.13	6.408E-05	1.089E-11
3568	36.75	6.880E-05	1.256E-11
3593	36.54	6.715E-05	1.196E-11
3616	36.35	6.571E-05	1.145E-11
3644	37.26	7.292E-05	1.410E-11
3676	37.60	7.584E-05	1.526E-11
3702	37.64	7.622E-05	1.541E-11
3728	37.89	7.842E-05	1.631E-11
3755	37.69	7.666E-05	1.559E-11
3780	37.54	7.534E-05	1.506E-11
3798	37.74	7.712E-05	1.578E-11
3817	38.69	8.597E-05	1.961E-11
3830	38.96	8.872E-05	2.088E-11
3841	37.66	7.635E-05	1.546E-11
3866	37.48	7.484E-05	1.486E-11
3879	41.08	1.132E-04	3.400E-11
3885	39.48	9.421E-05	2.354E-11
3888	38.31	8.236E-05	1.799E-11
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3915   38.33				
3958   38.18	3915	38.33	8.251E-05	1.806E-11
3978     37.83     7.790E-05     1.610E-11       3998     37.52     7.514E-05     1.498E-11       4024     37.67     7.648E-05     1.551E-11       4048     37.26     7.292E-05     1.410E-11       4074     37.33     7.350E-05     1.433E-11       4103     37.19     7.233E-05     1.388E-11       4128     36.84     6.950E-05     1.281E-11       4155     36.94     7.034E-05     1.312E-11       4179     37.64     7.620E-05     1.540E-11       4204     36.87     6.977E-05     1.291E-11       4232     36.69     6.828E-05     1.237E-11       4223     36.69     6.828E-05     1.237E-11       4223     37.34     7.360E-05     1.437E-11       4223     37.34     7.360E-05     1.437E-11       4224     37.34     7.360E-05     1.437E-11       4324     37.34     7.360E-05     1.437E-11       4384     37.74     7.712E-05     1.578E-11       4441	3935	37.40	7.409E-05	1.456E-11
3998     37.52     7.514E-05     1.498E-11       4024     37.67     7.648E-05     1.551E-11       4048     37.26     7.292E-05     1.410E-11       4074     37.33     7.350E-05     1.433E-11       4103     37.19     7.233E-05     1.388E-11       4128     36.84     6.950E-05     1.281E-11       4155     36.94     7.034E-05     1.312E-11       4179     37.64     7.620E-05     1.540E-11       4204     36.87     6.977E-05     1.291E-11       4232     36.69     6.828E-05     1.237E-11       4263     37.34     7.360E-05     1.437E-11       4293     37.16     7.214E-05     1.380E-11       4324     37.34     7.360E-05     1.437E-11       4354     37.28     7.311E-05     1.418E-11       4384     37.74     7.712E-05     1.578E-11       4441     38.09     8.027E-05     1.709E-11       4468     37.53     7.529E-05     1.504E-11       4493	3958	38.18	8.108E-05	1.744E-11
4024     37.67     7.648E-05     1.551E-11       4048     37.26     7.292E-05     1.410E-11       4074     37.33     7.350E-05     1.433E-11       4103     37.19     7.233E-05     1.38E-11       4128     36.84     6.950E-05     1.281E-11       4155     36.94     7.034E-05     1.312E-11       4179     37.64     7.620E-05     1.540E-11       4204     36.87     6.977E-05     1.291E-11       4232     36.69     6.828E-05     1.237E-11       4263     37.34     7.360E-05     1.437E-11       4293     37.16     7.214E-05     1.437E-11       4324     37.34     7.360E-05     1.437E-11       4324     37.34     7.360E-05     1.437E-11       4354     37.28     7.311E-05     1.418E-11       4384     37.74     7.712E-05     1.578E-11       4441     38.09     8.027E-05     1.504E-11       4441     38.09     8.027E-05     1.504E-11       4493	3978	37.83	7.790E-05	1.610E-11
4048     37.26     7.292E-05     1.410E-11       4074     37.33     7.350E-05     1.433E-11       4103     37.19     7.233E-05     1.388E-11       4128     36.84     6.950E-05     1.281E-11       4155     36.94     7.034E-05     1.312E-11       4179     37.64     7.620E-05     1.540E-11       4204     36.87     6.977E-05     1.291E-11       4232     36.69     6.828E-05     1.237E-11       4263     37.34     7.360E-05     1.437E-11       4293     37.16     7.214E-05     1.380E-11       4324     37.34     7.360E-05     1.437E-11       4354     37.28     7.311E-05     1.578E-11       4354     37.28     7.311E-05     1.578E-11       4441     38.09     8.027E-05     1.709E-11       4443     38.09     8.027E-05     1.504E-11       44491     38.09     8.027E-05     1.504E-11       44493     37.80     7.764E-05     1.599E-11       4519	3998	37.52	7.514E-05	1.498E-11
4074     37.33     7.350E-05     1.433E-11       4103     37.19     7.233E-05     1.388E-11       4128     36.84     6.950E-05     1.281E-11       4155     36.94     7.034E-05     1.312E-11       4179     37.64     7.620E-05     1.540E-11       4204     36.87     6.977E-05     1.291E-11       4232     36.69     6.828E-05     1.237E-11       4263     37.34     7.360E-05     1.437E-11       4293     37.16     7.214E-05     1.380E-11       4324     37.34     7.360E-05     1.437E-11       4354     37.28     7.311E-05     1.418E-11       4384     37.74     7.712E-05     1.578E-11       4415     37.45     7.459E-05     1.476E-11       4441     38.09     8.027E-05     1.504E-11       4440     38.39     8.288E-05     1.599E-11       4545     37.63     7.529E-05     1.504E-11       4493     37.80     7.764E-05     1.536E-11       4574	4024	37.67	7.648E-05	1.551E-11
4103     37.19     7.233E-05     1.388E-11       4128     36.84     6.950E-05     1.281E-11       4155     36.94     7.034E-05     1.312E-11       4179     37.64     7.620E-05     1.540E-11       4204     36.87     6.977E-05     1.291E-11       4203     36.69     6.828E-05     1.237E-11       4263     37.34     7.360E-05     1.437E-11       4293     37.16     7.214E-05     1.380E-11       4354     37.28     7.311E-05     1.418E-11       4354     37.28     7.311E-05     1.418E-11       4384     37.74     7.712E-05     1.578E-11       4415     37.45     7.459E-05     1.476E-11       4441     38.09     8.027E-05     1.504E-11       4441     38.09     8.027E-05     1.504E-11       44493     37.80     7.764E-05     1.599E-11       4519     38.37     8.288E-05     1.822E-11       4574     37.83     7.790E-05     1.610E-11       4601	4048	37.26	7.292E-05	1.410E-11
4128     36.84     6.950E-05     1.281E-11       4155     36.94     7.034E-05     1.312E-11       4179     37.64     7.620E-05     1.540E-11       4204     36.87     6.977E-05     1.291E-11       4232     36.69     6.828E-05     1.237E-11       4263     37.34     7.360E-05     1.437E-11       4293     37.16     7.214E-05     1.380E-11       4324     37.34     7.360E-05     1.437E-11       4354     37.28     7.311E-05     1.418E-11       4384     37.74     7.712E-05     1.578E-11       4415     37.45     7.459E-05     1.709E-11       4468     37.53     7.529E-05     1.504E-11       4441     38.09     8.027E-05     1.504E-11       4448     37.80     7.764E-05     1.599E-11       4519     38.37     8.288E-05     1.82ZE-11       4545     37.63     7.610E-05     1.536E-11       4574     37.83     7.790E-05     1.610E-11       4601	4074	37.33	7.350E-05	1.433E-11
4155     36.94     7.034E-05     1.312E-11       4179     37.64     7.620E-05     1.540E-11       4204     36.87     6.977E-05     1.291E-11       4232     36.69     6.828E-05     1.237E-11       4263     37.34     7.360E-05     1.437E-11       4293     37.16     7.214E-05     1.380E-11       4324     37.34     7.360E-05     1.437E-11       4354     37.32     7.311E-05     1.418E-11       4384     37.74     7.712E-05     1.578E-11       4415     37.45     7.459E-05     1.476E-11       4441     38.09     8.027E-05     1.709E-11       4468     37.53     7.529E-05     1.504E-11       4493     37.80     7.764E-05     1.599E-11       4519     38.37     8.288E-05     1.82ZE-11       4545     37.63     7.610E-05     1.536E-11       4574     37.83     7.790E-05     1.610E-11       4601     38.20     8.128E-05     1.752E-11       4624	4103	37.19	7.233E-05	1.388E-11
4179   37.64   7.620E-05   1.540E-11     4204   36.87   6.977E-05   1.291E-11     4232   36.69   6.828E-05   1.237E-11     4263   37.34   7.360E-05   1.437E-11     4293   37.16   7.214E-05   1.380E-11     4324   37.34   7.360E-05   1.437E-11     4354   37.28   7.311E-05   1.418E-11     4384   37.74   7.712E-05   1.578E-11     4415   37.45   7.459E-05   1.476E-11     4441   38.09   8.027E-05   1.709E-11     4468   37.53   7.529E-05   1.504E-11     4493   37.80   7.764E-05   1.599E-11     4519   38.37   8.288E-05   1.822E-11     4545   37.63   7.610E-05   1.536E-11     4574   37.83   7.790E-05   1.610E-11     4601   38.20   8.128E-05   1.837E-11     4644   38.40   8.322E-05   1.837E-11     4677   37.74   7.712E-05   1.578E-11     4776   37.22	4128	36.84	6.950E-05	1.281E-11
4204     36.87     6.977E-05     1.291E-11       4232     36.69     6.828E-05     1.237E-11       4263     37.34     7.360E-05     1.437E-11       4293     37.16     7.214E-05     1.380E-11       4324     37.34     7.360E-05     1.437E-11       4354     37.28     7.311E-05     1.418E-11       4384     37.74     7.712E-05     1.578E-11       44415     38.09     8.027E-05     1.578E-11       4441     38.09     8.027E-05     1.709E-11       4468     37.53     7.529E-05     1.504E-11       4493     37.80     7.764E-05     1.599E-11       4519     38.37     8.288E-05     1.822E-11       4545     37.63     7.610E-05     1.536E-11       4574     37.83     7.790E-05     1.610E-11       4601     38.20     8.128E-05     1.578E-11       4644     38.40     8.322E-05     1.578E-11       4671     38.03     7.974E-05     1.578E-11       4672	4155	36.94	7.034E-05	1.312E-11
4232   36.69   6.828E-05   1.237E-11     4263   37.34   7.360E-05   1.437E-11     4293   37.16   7.214E-05   1.380E-11     4324   37.34   7.360E-05   1.437E-11     4354   37.28   7.311E-05   1.418E-11     4384   37.74   7.712E-05   1.578E-11     4415   37.45   7.459E-05   1.476E-11     4441   38.09   8.027E-05   1.709E-11     4468   37.53   7.529E-05   1.504E-11     44493   37.80   7.764E-05   1.599E-11     4519   38.37   8.288E-05   1.822E-11     4545   37.63   7.610E-05   1.536E-11     4574   37.83   7.790E-05   1.610E-11     4601   38.20   8.128E-05   1.752E-11     4624   37.74   7.712E-05   1.578E-11     4674   38.40   8.322E-05   1.837E-11     4671   38.30   7.974E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4776   37.72	4179	37.64	7.620E-05	1.540E-11
4263     37.34     7.360E-05     1.437E-11       4293     37.16     7.214E-05     1.380E-11       4324     37.34     7.360E-05     1.437E-11       4354     37.28     7.311E-05     1.418E-11       4384     37.74     7.712E-05     1.578E-11       4415     37.45     7.459E-05     1.476E-11       4441     38.09     8.027E-05     1.709E-11       4468     37.53     7.529E-05     1.504E-11       4493     37.80     7.764E-05     1.599E-11       4519     38.37     8.288E-05     1.822E-11       4545     37.63     7.610E-05     1.536E-11       4574     37.83     7.790E-05     1.610E-11       4601     38.20     8.128E-05     1.752E-11       4624     37.74     7.712E-05     1.578E-11       4674     38.40     8.322E-05     1.837E-11       4674     38.03     7.974E-05     1.686E-11       4697     37.74     7.712E-05     1.578E-11       4728	4204	36.87	6.977E-05	1.291E-11
4293     37.16     7.214E-05     1.380E-11       4324     37.34     7.360E-05     1.437E-11       4354     37.28     7.311E-05     1.418E-11       4384     37.74     7.712E-05     1.578E-11       4415     37.45     7.459E-05     1.476E-11       4441     38.09     8.027E-05     1.709E-11       4468     37.53     7.529E-05     1.504E-11       4493     37.80     7.764E-05     1.599E-11       4519     38.37     8.288E-05     1.822E-11       4545     37.63     7.610E-05     1.536E-11       4574     37.83     7.790E-05     1.610E-11       4601     38.20     8.128E-05     1.578E-11       4624     37.74     7.712E-05     1.578E-11       4644     38.40     8.322E-05     1.837E-11       4671     38.03     7.974E-05     1.578E-11       4728     38.28     8.203E-05     1.785E-11       4752     37.93     7.884E-05     1.649E-11       4776	4232	36.69	6.828E-05	1.237E-11
4324   37.34   7.360E-05   1.437E-11     4354   37.28   7.311E-05   1.418E-11     4384   37.74   7.712E-05   1.578E-11     4415   37.45   7.459E-05   1.476E-11     4441   38.09   8.027E-05   1.709E-11     4468   37.53   7.529E-05   1.504E-11     4493   37.80   7.764E-05   1.599E-11     4519   38.37   8.28EE-05   1.822E-11     4545   37.63   7.610E-05   1.536E-11     4574   37.83   7.790E-05   1.610E-11     4601   38.20   8.128E-05   1.752E-11     4624   37.74   7.712E-05   1.578E-11     4644   38.40   8.322E-05   1.837E-11     4671   38.03   7.974E-05   1.686E-11     4697   37.74   7.712E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4752   37.93   7.884E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74	4263	37.34	7.360E-05	1.437E-11
4354   37.28   7.311E-05   1.418E-11     4384   37.74   7.712E-05   1.578E-11     4415   37.45   7.459E-05   1.476E-11     4441   38.09   8.027E-05   1.709E-11     4468   37.53   7.529E-05   1.504E-11     4493   37.80   7.764E-05   1.599E-11     4519   38.37   8.288E-05   1.822E-11     4545   37.63   7.610E-05   1.536E-11     4574   37.83   7.790E-05   1.610E-11     4601   38.20   8.128E-05   1.752E-11     4624   37.74   7.712E-05   1.578E-11     4671   38.03   7.974E-05   1.686E-11     4671   38.03   7.974E-05   1.686E-11     4728   38.28   8.203E-05   1.785E-11     4728   38.28   8.203E-05   1.399E-11     4776   37.22   7.262E-05   1.399E-11     4776   37.24   7.712E-05   1.578E-11     4826   38.12   8.054E-05   1.721E-11     4850   37.51	4293	37.16	7.214E-05	1.380E-11
4384   37.74   7.712E-05   1.578E-11     4415   37.45   7.459E-05   1.476E-11     4441   38.09   8.027E-05   1.709E-11     4468   37.53   7.529E-05   1.504E-11     4493   37.80   7.764E-05   1.599E-11     4519   38.37   8.288E-05   1.822E-11     4545   37.63   7.610E-05   1.536E-11     4574   37.83   7.790E-05   1.610E-11     4601   38.20   8.128E-05   1.752E-11     4624   37.74   7.712E-05   1.578E-11     4671   38.03   7.974E-05   1.686E-11     4697   37.74   7.712E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   1.721E-11     4806   38.12   8.054E-05   1.721E-11     4850   37.51   7.509E-05   1.496E-11     4895   38.74	4324	37.34	7.360E-05	1.437E-11
4415   37.45   7.459E-05   1.476E-11     4441   38.09   8.027E-05   1.709E-11     4468   37.53   7.529E-05   1.504E-11     4493   37.80   7.764E-05   1.599E-11     4519   38.37   8.288E-05   1.822E-11     4545   37.63   7.610E-05   1.536E-11     4574   37.83   7.790E-05   1.610E-11     4601   38.20   8.128E-05   1.752E-11     4624   37.74   7.712E-05   1.578E-11     4644   38.40   8.322E-05   1.837E-11     4671   38.03   7.974E-05   1.686E-11     4697   37.74   7.712E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4752   37.93   7.884E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4826   38.12   8.054E-05   1.721E-11     4850   37.51   7.509E-05   1.496E-11     4876   38.11	4354	37.28	7.311E-05	1.418E-11
4441   38.09   8.027E-05   1.709E-11     4468   37.53   7.529E-05   1.504E-11     4493   37.80   7.764E-05   1.599E-11     4519   38.37   8.288E-05   1.822E-11     4545   37.63   7.610E-05   1.536E-11     4574   37.83   7.790E-05   1.610E-11     4601   38.20   8.128E-05   1.752E-11     4624   37.74   7.712E-05   1.578E-11     4644   38.40   8.322E-05   1.837E-11     4671   38.03   7.974E-05   1.686E-11     4697   37.74   7.712E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4752   37.93   7.84E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4826   38.12   8.054E-05   1.721E-11     4850   37.51   7.509E-05   1.496E-11     4876   38.11   8.047E-05   1.718E-11     4995   38.38	4384	37.74	7.712E-05	1.578E-11
4468   37.53   7.529E-05   1.504E-11     4493   37.80   7.764E-05   1.599E-11     4519   38.37   8.288E-05   1.822E-11     4545   37.63   7.610E-05   1.536E-11     4574   37.83   7.790E-05   1.610E-11     4601   38.20   8.128E-05   1.752E-11     4624   37.74   7.712E-05   1.578E-11     4644   38.40   8.322E-05   1.837E-11     4671   38.03   7.974E-05   1.58E-11     4697   37.74   7.712E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4752   37.93   7.884E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4876   38.11   8.047E-05   1.496E-11     4919   37.45   7.459E-05   1.476E-11     4950   38.38	4415	37.45	7.459E-05	1.476E-11
4493   37.80   7.764E-05   1.599E-11     4519   38.37   8.288E-05   1.822E-11     4545   37.63   7.610E-05   1.536E-11     4574   37.83   7.790E-05   1.610E-11     4601   38.20   8.128E-05   1.752E-11     4624   37.74   7.712E-05   1.578E-11     4644   38.40   8.322E-05   1.837E-11     4671   38.03   7.974E-05   1.686E-11     4697   37.74   7.712E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4752   37.93   7.884E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.37   8.653E-05   1.986E-11     4974   38.58   8.490E-05   1.785E-11     5002   38.28	4441	38.09	8.027E-05	1.709E-11
4519   38.37   8.288E-05   1.822E-11     4545   37.63   7.610E-05   1.536E-11     4574   37.83   7.790E-05   1.610E-11     4601   38.20   8.128E-05   1.752E-11     4624   37.74   7.712E-05   1.578E-11     4644   38.40   8.322E-05   1.837E-11     4671   38.03   7.974E-05   1.686E-11     4697   37.74   7.712E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4752   37.93   7.884E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4870   37.51   7.509E-05   1.496E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.38   8.299E-05   1.827E-11     4970   38.38   8.299E-05   1.76E-11     5002   38.28	4468	37.53	7.529E-05	1.504E-11
4545   37.63   7.610E-05   1.536E-11     4574   37.83   7.790E-05   1.610E-11     4601   38.20   8.128E-05   1.752E-11     4624   37.74   7.712E-05   1.578E-11     4644   38.40   8.322E-05   1.837E-11     4671   38.03   7.974E-05   1.686E-11     4697   37.74   7.712E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4752   37.93   7.884E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4850   37.51   7.509E-05   1.496E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.34   8.653E-05   1.986E-11     4990   37.45   7.459E-05   1.476E-11     4974   38.58   8.299E-05   1.785E-11     5002   38.28	4493	37.80	7.764E-05	1.599E-11
4574   37.83   7.790E-05   1.610E-11     4601   38.20   8.128E-05   1.752E-11     4624   37.74   7.712E-05   1.578E-11     4644   38.40   8.322E-05   1.837E-11     4671   38.03   7.974E-05   1.686E-11     4697   37.74   7.712E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4752   37.93   7.884E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4970   38.38   8.299E-05   1.827E-11     5002   38.28   8.203E-05   1.934E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22	4519	38.37	8.288E-05	1.822E-11
4601   38.20   8.128E-05   1.752E-11     4624   37.74   7.712E-05   1.578E-11     4644   38.40   8.322E-05   1.837E-11     4671   38.03   7.974E-05   1.686E-11     4697   37.74   7.712E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4752   37.93   7.884E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4970   38.38   8.299E-05   1.827E-11     5002   38.28   8.203E-05   1.934E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13	4545	37.63	7.610E-05	1.536E-11
4624   37.74   7.712E-05   1.578E-11     4644   38.40   8.322E-05   1.837E-11     4671   38.03   7.974E-05   1.686E-11     4697   37.74   7.712E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4752   37.93   7.884E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4850   37.51   7.509E-05   1.496E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4950   38.38   8.299E-05   1.827E-11     5002   38.28   8.203E-05   1.785E-11     5002   38.28   8.203E-05   1.785E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13	4574	37.83	7.790E-05	1.610E-11
4644   38.40   8.322E-05   1.837E-11     4671   38.03   7.974E-05   1.686E-11     4697   37.74   7.712E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4752   37.93   7.884E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4850   37.51   7.509E-05   1.496E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4950   38.38   8.299E-05   1.827E-11     4974   38.58   8.490E-05   1.785E-11     5002   38.28   8.203E-05   1.785E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13	4601	38.20	8.128E-05	1.752E-11
4671   38.03   7.974E-05   1.686E-11     4697   37.74   7.712E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4752   37.93   7.884E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4850   37.51   7.509E-05   1.496E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4950   38.38   8.299E-05   1.827E-11     4974   38.58   8.490E-05   1.785E-11     5002   38.28   8.203E-05   1.785E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13   8.059E-05   1.723E-11     5100   38.87	4624	37.74	7.712E-05	1.578E-11
4697   37.74   7.712E-05   1.578E-11     4728   38.28   8.203E-05   1.785E-11     4752   37.93   7.884E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4850   37.51   7.509E-05   1.496E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4950   38.38   8.299E-05   1.827E-11     4974   38.58   8.490E-05   1.912E-11     5002   38.28   8.203E-05   1.785E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13   8.059E-05   1.723E-11     5100   38.87   8.784E-05   2.047E-11	4644	38.40	8.322E-05	1.837E-11
4728   38.28   8.203E-05   1.785E-11     4752   37.93   7.884E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4850   37.51   7.509E-05   1.496E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4950   38.38   8.299E-05   1.827E-11     4974   38.58   8.490E-05   1.912E-11     5002   38.28   8.203E-05   1.785E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13   8.059E-05   1.723E-11     5100   38.87   8.784E-05   2.047E-11	4671	38.03	7.974E-05	1.686E-11
4752   37.93   7.884E-05   1.649E-11     4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4850   37.51   7.509E-05   1.496E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4950   38.38   8.299E-05   1.827E-11     4974   38.58   8.490E-05   1.785E-11     5002   38.28   8.203E-05   1.785E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13   8.059E-05   1.723E-11     5100   38.87   8.784E-05   2.047E-11	4697	37.74	7.712E-05	1.578E-11
4776   37.22   7.262E-05   1.399E-11     4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4850   37.51   7.509E-05   1.496E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4950   38.38   8.299E-05   1.827E-11     4974   38.58   8.490E-05   1.912E-11     5002   38.28   8.203E-05   1.785E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13   8.059E-05   1.723E-11     5100   38.87   8.784E-05   2.047E-11	4728	38.28	8.203E-05	1.785E-11
4791   37.74   7.712E-05   1.578E-11     4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4850   37.51   7.509E-05   1.496E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4950   38.38   8.299E-05   1.827E-11     4974   38.58   8.490E-05   1.912E-11     5002   38.28   8.203E-05   1.785E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13   8.059E-05   1.723E-11     5100   38.87   8.784E-05   2.047E-11	4752	37.93	7.884E-05	1.649E-11
4806   38.87   8.784E-05   2.047E-11     4826   38.12   8.054E-05   1.721E-11     4850   37.51   7.509E-05   1.496E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4950   38.38   8.299E-05   1.827E-11     4974   38.58   8.490E-05   1.912E-11     5002   38.28   8.203E-05   1.785E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13   8.059E-05   1.723E-11     5100   38.87   8.784E-05   2.047E-11	4776	37.22	7.262E-05	1.399E-11
4826   38.12   8.054E-05   1.721E-11     4850   37.51   7.509E-05   1.496E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4950   38.38   8.299E-05   1.827E-11     4974   38.58   8.490E-05   1.912E-11     5002   38.28   8.203E-05   1.785E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13   8.059E-05   1.723E-11     5100   38.87   8.784E-05   2.047E-11	4791	37.74	7.712E-05	1.578E-11
4850   37.51   7.509E-05   1.496E-11     4876   38.11   8.047E-05   1.718E-11     4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4950   38.38   8.299E-05   1.827E-11     4974   38.58   8.490E-05   1.912E-11     5002   38.28   8.203E-05   1.785E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13   8.059E-05   1.723E-11     5100   38.87   8.784E-05   2.047E-11	4806	38.87	8.784E-05	2.047E-11
4876   38.11   8.047E-05   1.718E-11     4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4950   38.38   8.299E-05   1.827E-11     4974   38.58   8.490E-05   1.912E-11     5002   38.28   8.203E-05   1.785E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13   8.059E-05   1.723E-11     5100   38.87   8.784E-05   2.047E-11	4826	38.12	8.054E-05	1.721E-11
4895   38.74   8.653E-05   1.986E-11     4919   37.45   7.459E-05   1.476E-11     4950   38.38   8.299E-05   1.827E-11     4974   38.58   8.490E-05   1.912E-11     5002   38.28   8.203E-05   1.785E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13   8.059E-05   1.723E-11     5100   38.87   8.784E-05   2.047E-11	4850	37.51	7.509E-05	1.496E-11
4919   37.45   7.459E-05   1.476E-11     4950   38.38   8.299E-05   1.827E-11     4974   38.58   8.490E-05   1.912E-11     5002   38.28   8.203E-05   1.785E-11     5028   38.63   8.538E-05   1.934E-11     5054   38.22   8.149E-05   1.761E-11     5079   38.13   8.059E-05   1.723E-11     5100   38.87   8.784E-05   2.047E-11	4876	38.11	8.047E-05	1.718E-11
4950 38.38 8.299E-05 1.827E-11   4974 38.58 8.490E-05 1.912E-11   5002 38.28 8.203E-05 1.785E-11   5028 38.63 8.538E-05 1.934E-11   5054 38.22 8.149E-05 1.761E-11   5079 38.13 8.059E-05 1.723E-11   5100 38.87 8.784E-05 2.047E-11	4895	38.74	8.653E-05	1.986E-11
4974 38.58 8.490E-05 1.912E-11   5002 38.28 8.203E-05 1.785E-11   5028 38.63 8.538E-05 1.934E-11   5054 38.22 8.149E-05 1.761E-11   5079 38.13 8.059E-05 1.723E-11   5100 38.87 8.784E-05 2.047E-11	4919	37.45	7.459E-05	1.476E-11
5002 38.28 8.203E-05 1.785E-11   5028 38.63 8.538E-05 1.934E-11   5054 38.22 8.149E-05 1.761E-11   5079 38.13 8.059E-05 1.723E-11   5100 38.87 8.784E-05 2.047E-11	4950	38.38	8.299E-05	1.827E-11
5028 38.63 8.538E-05 1.934E-11   5054 38.22 8.149E-05 1.761E-11   5079 38.13 8.059E-05 1.723E-11   5100 38.87 8.784E-05 2.047E-11	4974	38.58	8.490E-05	1.912E-11
5054 38.22 8.149E-05 1.761E-11   5079 38.13 8.059E-05 1.723E-11   5100 38.87 8.784E-05 2.047E-11	5002	38.28	8.203E-05	1.785E-11
5079 38.13 8.059E-05 1.723E-11   5100 38.87 8.784E-05 2.047E-11	5028	38.63	8.538E-05	1.934E-11
5100 38.87 8.784E-05 2.047E-11	5054	38.22	8.149E-05	1.761E-11
	5079	38.13	8.059E-05	1.723E-11
5117 39.31 9.235E-05 2.262E-11	5100	38.87	8.784E-05	2.047E-11
	5117	39.31	9.235E-05	2.262E-11



5141	38.77	8.682E-05	1.999E-11
5167	38.99	8.902E-05	2.102E-11
5193	39.24	9.158E-05	2.225E-11
5224	38.60	8.510E-05	1.921E-11
5251	38.77	8.684E-05	2.000E-11
5274	39.21	9.130E-05	2.211E-11
5302	39.45	9.384E-05	2.336E-11
5327	39.73	9.689E-05	2.490E-11
5354	39.83	9.806E-05	2.551E-11
5380	39.55	9.500E-05	2.394E-11
5406	39.70	9.660E-05	2.475E-11
5432	39.60	9.548E-05	2.418E-11
5460	39.59	9.535E-05	2.412E-11
5483	39.92	9.905E-05	2.602E-11
5508	39.76	9.723E-05	2.507E-11
5537	40.18	1.021E-04	2.763E-11
5563	39.89	9.872E-05	2.585E-11
5589	40.24	1.028E-04	2.801E-11
5615	40.18	1.021E-04	2.763E-11
5641	40.82	1.098E-04	3.200E-11
5667	41.02	1.124E-04	3.354E-11
5691	41.38	1.172E-04	3.643E-11
5719	42.09	1.272E-04	4.293E-11
5740	42.16	1.282E-04	4.362E-11
5769	42.16	1.283E-04	4.363E-11
5804	41.97	1.254E-04	4.173E-11
5841	42.04	1.265E-04	4.244E-11
5879	42.00	1.259E-04	4.203E-11
5910	42.03	1.264E-04	4.236E-11
5931	41.60	1.203E-04	3.838E-11
5941	44.53	1.684E-04	7.520E-11
5942	43.13	1.435E-04	5.459E-11
5969	42.64	1.355E-04	4.869E-11
5982	42.96	1.406E-04	5.244E-11
5982	41.92	1.247E-04	4.124E-11
5997	40.57	1.068E-04	3.024E-11
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