



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

March 16, 2022

Kenneth C. Baldwin, Esq.
Robinson & Cole
280 Trumbull Street
Hartford, CT 06103-3597
kbaldwin@rc.com

RE: EM-VER-158-220207 – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 1365 (a/k/a 1385) Post Road East, Westport, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) is in receipt of your correspondence of March 7, 2022 and March 10, 2022 submitted in response to the Council's March 1, 2022 and March 9, 2022 notifications of an incomplete request for exempt modification with regard to the above-referenced matter.

The submissions render the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

Melanie A. Bachman
Executive Director

MAB/CMW/emr

From: Mayo, Rachel <rmayo@RC.com>
Sent: Thursday, March 10, 2022 11:31 AM
To: Bachman, Melanie <Melanie.Bachman@ct.gov>; Walsh, Christina <Christina.Walsh@ct.gov>; CSC-DL Siting Council <Siting.Council@ct.gov>
Cc: Baldwin, Kenneth <KBALDWIN@RC.com>; Mayo, Rachel <rmayo@RC.com>
Subject: FW: Council 2nd Incomplete Letter for EM-VER-158-220207 (Post Road East, Westport)

EXTERNAL EMAIL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Good morning, please see the attached far field calculations in response to the 2nd incomplete notice.

Please let us know if anyone has any questions.

Thank you

Rachel A. Mayo
Land Use Analyst

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Our cross-disciplinary team continues to closely monitor COVID-19 legal implications - resources [HERE](#)

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Site Name: **WESTPORT 9 CT**
 Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm ²)	(mW/cm ²)	(%)
VZW 700	751	4	466	1862	35.7	0.0525	0.5007	10.50%
VZW Cellular	874	4	530	2119	35.7	0.0598	0.5827	10.26%
VZW PCS	1980	4	1237	4947	35.7	0.1396	1.0000	13.96%
VZW AWS	2120	4	1466	5862	35.7	0.1654	1.0000	16.54%
VZW CBAND	3730.08	2	4569	9138	36.9	0.2413	1.0000	24.13%
Total Percentage of Maximum Permissible Exposure								75.39%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015

Memorandum for Exempt Modification filings

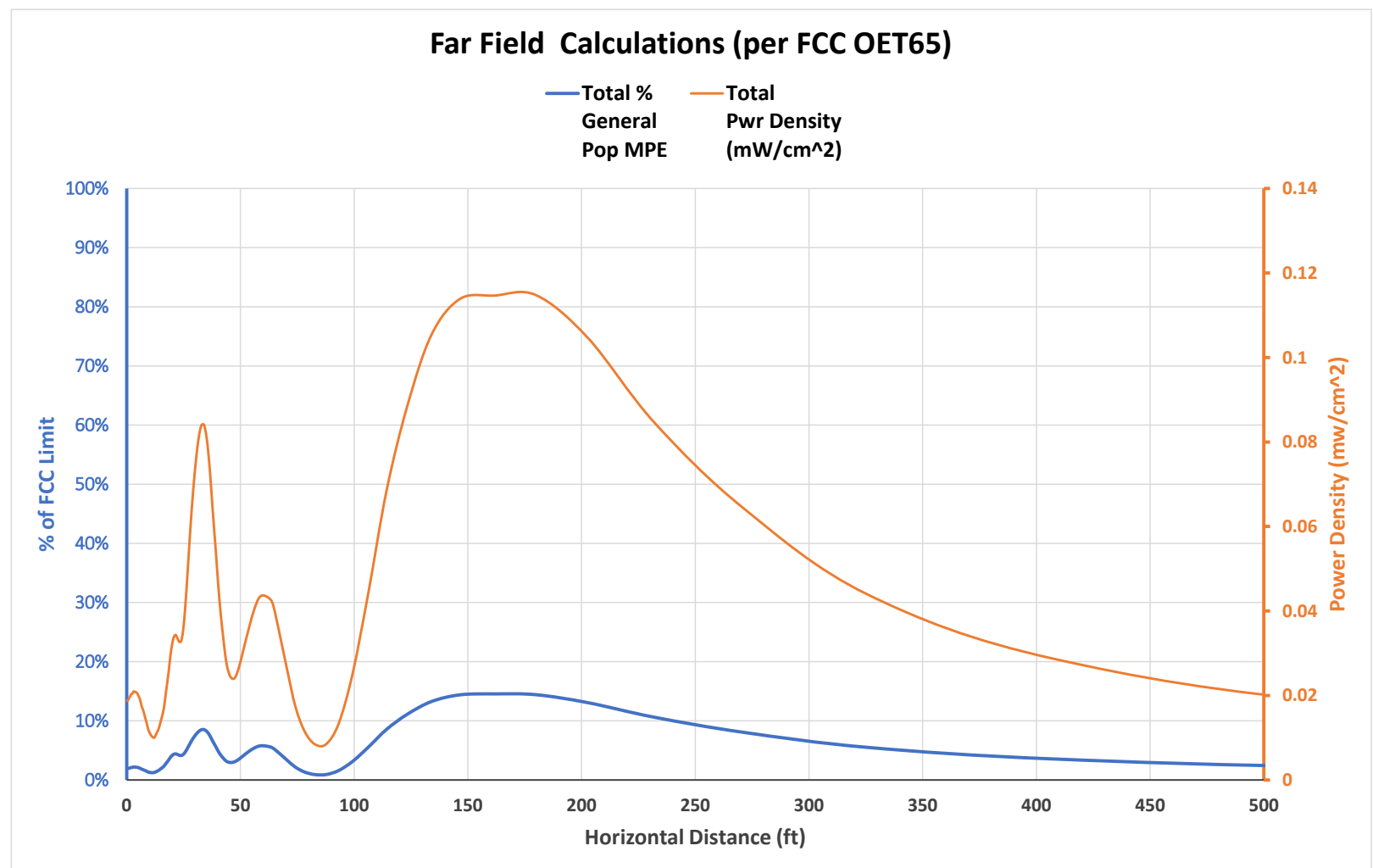
MHz = Megahertz

mW/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

Band	C-Band	AWS	PCS	850-LTE	700
Operating Frequency (MHz)	3,700	2,145	1,970	880	746
General Population MPE (mW/cm ²)	1	1	1	0.586666667	0.497333333
ERP Per Transmitter (Watts)	4,569	1,466	1,237	530	466
Number of Transmitters	2	4	4	4	4
Antenna Centerline (feet)	36	34.5	34.5	34.5	34.5
Total ERP (Watts)	9,138	5,862	4,947	2,119	1,862
Total ERP (dBm)	70	68	67	63	63
Maximum % of General Population Limit	14.6%				



Angle Below Horizon	Power Density (mW/cm ²)					Percent of General Population MPE										Distance	Total Pwr Density (mW/cm ²)	Total % General Pop MPE
	C-Band	AWS	PCS	850-LTE	700 MHz	39GHz	28GHz	C-Band	CBRS	AWS	PCS	Cellular	CDMA	700 MHz				
90	0.018048103	1.37789E-05	3.73692E-06	0.000541017	0.00016874	0.00%	0.00%	1.80%	0.00%	0.00%	0.00%	0.09%	0.00%	0.03%	0	0.018775377	1.93%	
89	0.018043142	2.48933E-05	6.49204E-07	0.000604058	0.00014794	0.00%	0.00%	1.80%	0.00%	0.00%	0.00%	0.10%	0.00%	0.03%	0.49746935	0.018820683	1.94%	
88	0.018448194	5.91133E-05	3.1116E-06	0.000700942	0.000128733	0.00%	0.00%	1.84%	0.00%	0.01%	0.00%	0.12%	0.00%	0.03%	0.995241931	0.019340094	2.00%	

87	0.018679119	0.000113246	1.19487E-05	0.000831802	0.00011377	0.00%	0.00%	1.87%	0.00%	0.01%	0.00%	0.14%	0.00%	0.02%	1.49362171	0.019749885	2.05%
86	0.019077402	0.000169082	2.36807E-05	0.000972955	0.000101414	0.00%	0.00%	1.91%	0.00%	0.02%	0.00%	0.17%	0.00%	0.02%	1.99291414	0.020344534	2.11%
85	0.019030131	0.000202257	3.63247E-05	0.001106368	8.76811E-05	0.00%	0.00%	1.90%	0.00%	0.02%	0.00%	0.19%	0.00%	0.02%	2.49342691	0.020462762	2.13%
84	0.019414364	0.000195184	5.63303E-05	0.001200715	7.07044E-05	0.00%	0.00%	1.94%	0.00%	0.02%	0.01%	0.20%	0.00%	0.01%	2.995470705	0.020937298	2.19%
83	0.019344715	0.000151606	8.99529E-05	0.001246559	5.09002E-05	0.00%	0.00%	1.93%	0.00%	0.02%	0.01%	0.21%	0.00%	0.01%	3.499359986	0.020883733	2.18%
82	0.019264514	9.83378E-05	0.000130924	0.001240843	2.99036E-05	0.00%	0.00%	1.93%	0.00%	0.01%	0.01%	0.21%	0.00%	0.01%	4.005413789	0.020764522	2.17%
81	0.019173831	6.56832E-05	0.000162837	0.001195229	1.71576E-05	0.00%	0.00%	1.92%	0.00%	0.01%	0.02%	0.20%	0.00%	0.00%	4.513956549	0.020614738	2.15%
80	0.018638596	6.63617E-05	0.000180392	0.001140025	1.53434E-05	0.00%	0.00%	1.86%	0.00%	0.01%	0.02%	0.19%	0.00%	0.00%	5.02531895	0.020040717	2.09%
79	0.018107943	8.5135E-05	0.000194718	0.001094219	2.27568E-05	0.00%	0.00%	1.81%	0.00%	0.01%	0.02%	0.19%	0.00%	0.00%	5.53983881	0.019504772	2.03%
78	0.017182036	9.59453E-05	0.000217933	0.001076515	4.43636E-05	0.00%	0.00%	1.72%	0.00%	0.01%	0.02%	0.18%	0.00%	0.01%	6.057862008	0.018616793	1.94%
77	0.015923094	8.58346E-05	0.000252326	0.001088076	7.44159E-05	0.00%	0.00%	1.59%	0.00%	0.01%	0.03%	0.19%	0.00%	0.01%	6.579743447	0.017423746	1.83%
76	0.015091247	6.22333E-05	0.00030083	0.001124656	0.000107405	0.00%	0.00%	1.51%	0.00%	0.01%	0.03%	0.19%	0.00%	0.02%	7.105848081	0.016686371	1.76%
75	0.013968987	3.91834E-05	0.000386724	0.001180589	0.000140639	0.00%	0.00%	1.40%	0.00%	0.00%	0.04%	0.20%	0.00%	0.03%	7.636551984	0.015716123	1.67%
74	0.012628272	2.54623E-05	0.000548526	0.001241351	0.00019584	0.00%	0.00%	1.26%	0.00%	0.00%	0.05%	0.21%	0.00%	0.04%	8.172243494	0.01463945	1.57%
73	0.011149592	2.52585E-05	0.000814153	0.0012954	0.000302978	0.00%	0.00%	1.11%	0.00%	0.00%	0.08%	0.22%	0.00%	0.06%	8.713324422	0.013587381	1.48%
72	0.009395213	4.05161E-05	0.001174698	0.001329303	0.000442212	0.00%	0.00%	0.94%	0.00%	0.00%	0.12%	0.23%	0.00%	0.09%	9.260211343	0.012381942	1.38%
71	0.007821378	6.36143E-05	0.001602705	0.001335216	0.000618811	0.00%	0.00%	0.78%	0.00%	0.01%	0.16%	0.23%	0.00%	0.12%	9.813336979	0.011441724	1.30%
70	0.00658241	7.41628E-05	0.002062933	0.001318812	0.000837895	0.00%	0.00%	0.66%	0.00%	0.01%	0.21%	0.22%	0.00%	0.17%	10.37315168	0.010876213	1.27%
69	0.005410127	5.74802E-05	0.002528233	0.001289777	0.001102862	0.00%	0.00%	0.54%	0.00%	0.01%	0.25%	0.22%	0.00%	0.22%	10.940125	0.01038848	1.24%
68	0.004443717	2.56771E-05	0.002943373	0.001263406	0.001411073	0.00%	0.00%	0.44%	0.00%	0.00%	0.29%	0.22%	0.00%	0.28%	11.51474744	0.010087247	1.24%
67	0.003793123	9.40301E-06	0.00321785	0.001253902	0.001759017	0.00%	0.00%	0.38%	0.00%	0.00%	0.32%	0.21%	0.00%	0.35%	12.09753226	0.010033294	1.27%
66	0.003827843	2.27864E-05	0.003288319	0.001269614	0.002151187	0.00%	0.00%	0.38%	0.00%	0.00%	0.33%	0.22%	0.00%	0.43%	12.68901753	0.010559748	1.36%
65	0.004232651	5.31822E-05	0.003097883	0.001302455	0.002574952	0.00%	0.00%	0.42%	0.00%	0.01%	0.31%	0.22%	0.00%	0.52%	13.28976826	0.011261123	1.48%
64	0.00478593	9.89772E-05	0.002629263	0.001350615	0.003037653	0.00%	0.00%	0.48%	0.00%	0.01%	0.26%	0.23%	0.00%	0.61%	13.90037877	0.011902437	1.59%
63	0.005915747	0.000210851	0.001942117	0.001402727	0.003523543	0.00%	0.00%	0.59%	0.00%	0.02%	0.19%	0.24%	0.00%	0.71%	14.52147531	0.012994984	1.75%
62	0.00715708	0.000478723	0.001143888	0.001469201	0.004037268	0.00%	0.00%	0.72%	0.00%	0.05%	0.11%	0.25%	0.00%	0.81%	15.1537188	0.01428616	1.94%
61	0.008074923	0.000961287	0.000436669	0.00156982	0.00455886	0.00%	0.00%	0.81%	0.00%	0.10%	0.04%	0.27%	0.00%	0.92%	15.79780797	0.015601559	2.13%
60	0.008916818	0.00163409	6.31793E-05	0.001730902	0.005073165	0.00%	0.00%	0.89%	0.00%	0.16%	0.01%	0.30%	0.00%	1.02%	16.45448267	0.017418155	2.38%
59	0.010044836	0.002417386	0.000255061	0.001987662	0.005537949	0.00%	0.00%	1.00%	0.00%	0.24%	0.03%	0.34%	0.00%	1.11%	17.12452764	0.020242893	2.72%
58	0.010311672	0.003228908	0.001170455	0.002366204	0.005930055	0.00%	0.00%	1.03%	0.00%	0.32%	0.12%	0.40%	0.00%	1.19%	17.80877653	0.023007294	3.07%
57	0.010077669	0.00396641	0.002862176	0.002873387	0.006214419	0.00%	0.00%	1.01%	0.00%	0.40%	0.29%	0.49%	0.00%	1.25%	18.50811641	0.025994061	3.43%
56	0.009863403	0.004501561	0.005256081	0.003502351	0.006344044	0.00%	0.00%	0.99%	0.00%	0.45%	0.53%	0.60%	0.00%	1.28%	19.22349273	0.02946744	3.83%
55	0.008756696	0.00460197	0.008132847	0.004235848	0.0063088	0.00%	0.00%	0.88%	0.00%	0.46%	0.81%	0.72%	0.00%	1.27%	19.95591484	0.032076161	4.14%
54	0.007537517	0.004037663	0.011153955	0.00502489	0.006069222	0.00%	0.00%	0.75%	0.00%	0.40%	1.12%	0.86%	0.00%	1.22%	20.70646205	0.033823247	4.35%
53	0.00611987	0.002811331	0.013970464	0.005793067	0.005648264	0.00%	0.00%	0.61%	0.00%	0.28%	1.40%	0.99%	0.00%	1.14%	21.47629043	0.034342996	4.41%
52	0.004485903	0.001313043	0.016277132	0.00646064	0.005061533	0.00%	0.00%	0.45%	0.00%	0.13%	1.63%	1.10%	0.00%	1.02%	22.26664036	0.033598251	4.33%
51	0.003023703	0.000387454	0.01801021	0.006889956	0.004357355	0.00%	0.00%	0.30%	0.00%	0.04%	1.80%	1.17%	0.00%	0.88%	23.07884495	0.032668678	4.19%
50	0.001773361	0.001044053	0.01940982	0.007026179	0.003578703	0.00%	0.00%	0.18%	0.00%	0.10%	1.94%	1.20%	0.00%	0.72%	23.91433949	0.032832117	4.14%
49	0.001087953	0.003979005	0.020657288	0.006772843	0.002797548	0.00%	0.00%	0.11%	0.00%	0.40%	2.07%	1.15%	0.00%	0.56%	24.77467203	0.035294637	4.29%
48	0.000986197	0.009127706	0.022113654	0.006156845	0.002062361	0.00%	0.00%	0.10%	0.00%	0.91%	2.21%	1.05%	0.00%	0.41%	25.66151526	0.040446762	4.69%
47	0.001481979	0.0156124	0.023865389	0.005217545	0.001414076	0.00%	0.00%	0.15%	0.00%	1.56%	2.39%	0.89%	0.00%	0.28%	26.57667995	0.047591389	5.27%
46	0.002583622	0.021982796	0.026084455	0.004093356	0.000908	0.00%	0.00%	0.26%	0.00%	2.20%	2.61%	0.70%	0.00%	0.18%	27.52213008	0.055652229	5.95%
45	0.004150562	0.026988873	0.028806042	0.002911932	0.000615443	0.00%	0.00%	0.42%	0.00%	2.70%	2.88%	0.50%	0.00%	0.12%	28.5	0.063472852	6.61%
44	0.00617244	0.029974869	0.031846091	0.001814487	0.000556878	0.00%	0.00%	0.62%	0.00%	3.00%	3.18%	0.31%	0.00%	0.11%	29.51261394	0.070364765	7.22%
43	0.008615072	0.031101505	0.035000983	0.000928492	0.00064385	0.00%	0.00%	0.86%	0.00%	3.11%	3.50%	0.16%	0.00%	0.13%	30.56250824	0.076289901	7.76%
42	0.011441723	0.031205887	0.037285105	0.000330547	0.000760746	0.00%	0.00%	1.14%	0.00%	3.12%	3.73%	0.06%	0.00%	0.15%	31.65245667	0.081024008	8.20%
41	0.014194869	0.031124371	0.037618322	6.62365E-05	0.000885327	0.00%	0.00%	1.42%	0.00%	3.11%	3.76%	0.01%	0.00%	0.18%	32.78549961	0.083889125	8.48%
40	0.016832711	0.031575464	0.034486457	0.000136567	0.001017074	0.00%	0.00%	1.68%	0.00%	3.16%	3.45%	0.02%	0.00%	0.20%	33.96497739	0.084048273	8.52%
39	0.01921024	0.032430852	0.027685807	0.000277942	0.001158674	0.00%	0.00%	1.92%	0.00%	3.24%	2.77%	0.05%	0.00%	0.23%	35.19456896	0.080763516	8.21%
38	0.02085638	0.03310539	0.018163417	0.000366349	0.001320997	0.00%	0.00%	2.09%	0.00%	3.31%	1.82%	0.06%	0.00%	0.27%	36.47833652	0.073812533	7.54%
37	0.020904583	0.032221132	0.008618658	0.000433648	0.001524557	0.00%	0.00%	2.09%	0.00%	3.22%	0.86%	0.07%	0.00%	0.31%	37.82077742	0.063702579	6.55%
36	0.021062362	0.028356467	0.002008866	0.000519575	0.001793309	0.00%	0.00%	2.11%	0.00%	2.84%	0.20%	0.09%	0.00%	0.36%	39.22688473	0.053740579	5.59%
35	0.019054577	0.021105583	6.57198E-05	0.000612906	0.002154767	0.00%	0.00%	1.91%	0.00%	2.11%	0.01%	0.10%	0.00%	0.43%	40.70221819	0.042993553	4.56%
34	0.017205958	0.011839628	0.002155941	0.000715047	0.002662815	0.00%	0.00%	1.72%	0.00%	1.18%	0.22%	0.12%	0.00%	0.54%	42.2529876	0.034579389	3.78%
33	0.013883623	0.003858622	0.005568409	0.000896249	0.003337608	0.00%	0.00%	1.39%	0.00%	0.39%	0.56%	0.15%	0.00%	0.67%	43.88615147	0.027544511	3.15%
32	0.011466328	0.00017727	0.007276675	0.001275354	0.004213443	0.00%	0.00%	1.15%	0.00%	0.02%	0.73%	0.22%	0.00%	0.85%	45.60953408	0.02440907	2.96%
31	0.009319493	0.001552006	0.006000567	0.001949351	0.005258918	0.00%	0.00%	0.93%	0.00%	0.16%	0.60%	0.33%	0.00%	1.06%	47.43196525	0.024080335	3.08%
30	0.00879732	0.005651383	0.002940719	0.002925171	0.006384954	0.00%	0.00%	0.88%	0.00%	0.57%	0.29%	0.50%	0.00%	1.28%	49.36344802	0.026699548	

28	0.012793318	0.008658314	0.000407129	0.005437883	0.00836443	0.00%	0.00%	1.28%	0.00%	0.87%	0.04%	0.93%	0.00%	1.68%	53.60070426	0.035661074	4.79%
27	0.016539173	0.006127852	0.001988873	0.006626815	0.008877921	0.00%	0.00%	1.65%	0.00%	0.61%	0.20%	1.13%	0.00%	1.79%	55.93439941	0.040160634	5.38%
26	0.019895019	0.003680431	0.003335781	0.007497133	0.008889998	0.00%	0.00%	1.99%	0.00%	0.37%	0.33%	1.28%	0.00%	1.79%	58.43365949	0.043298362	5.76%
25	0.021507048	0.002898086	0.002988203	0.007836241	0.0082816	0.00%	0.00%	2.15%	0.00%	0.29%	0.30%	1.34%	0.00%	1.67%	61.11844723	0.043511179	5.74%
24	0.022851652	0.00311775	0.001374486	0.007548104	0.007093235	0.00%	0.00%	2.29%	0.00%	0.31%	0.14%	1.29%	0.00%	1.43%	64.01204806	0.041985227	5.45%
23	0.019707692	0.002691354	0.000288582	0.006621667	0.005469829	0.00%	0.00%	1.97%	0.00%	0.27%	0.03%	1.13%	0.00%	1.10%	67.14179243	0.034779124	4.50%
22	0.01505222	0.001265801	0.000994637	0.005144724	0.003617167	0.00%	0.00%	1.51%	0.00%	0.13%	0.10%	0.88%	0.00%	0.73%	70.53997532	0.02607455	3.34%
21	0.00870279	0.000376594	0.002891824	0.00340306	0.001865847	0.00%	0.00%	0.87%	0.00%	0.04%	0.29%	0.58%	0.00%	0.38%	74.24503834	0.017240115	2.15%
20	0.003448528	0.00152517	0.004070211	0.001743069	0.00063288	0.00%	0.00%	0.34%	0.00%	0.15%	0.41%	0.30%	0.00%	0.13%	78.30310645	0.011419857	1.33%
19	0.00028995	0.004041091	0.003256847	0.000597716	0.000263938	0.00%	0.00%	0.03%	0.00%	0.40%	0.33%	0.10%	0.00%	0.05%	82.77001001	0.008449542	0.91%
18	0.000919373	0.005485036	0.001217526	0.000364902	0.000503712	0.00%	0.00%	0.09%	0.00%	0.55%	0.12%	0.06%	0.00%	0.10%	87.71398081	0.008490549	0.93%
17	0.006107491	0.004286328	8.57796E-06	0.001236181	0.001742162	0.00%	0.00%	0.61%	0.00%	0.43%	0.00%	0.21%	0.00%	0.35%	93.21929963	0.013380739	1.60%
16	0.015563612	0.001610241	0.000908217	0.003371999	0.00387163	0.00%	0.00%	1.56%	0.00%	0.16%	0.09%	0.57%	0.00%	0.78%	99.39131165	0.0253257	3.16%
15	0.02830383	6.82664E-05	0.00304443	0.006564532	0.006640644	0.00%	0.00%	2.83%	0.00%	0.01%	0.30%	1.12%	0.00%	1.34%	106.363448	0.044621703	5.60%
14	0.043510834	0.000754336	0.004284143	0.01038871	0.009673154	0.00%	0.00%	4.35%	0.00%	0.08%	0.43%	1.77%	0.00%	1.95%	114.3072566	0.068611178	8.57%
13	0.056336867	0.00214482	0.003425229	0.014235979	0.012513933	0.00%	0.00%	5.63%	0.00%	0.21%	0.34%	2.43%	0.00%	2.52%	123.4470624	0.088656828	11.13%
12	0.069617553	0.002192666	0.001371739	0.017497222	0.014790252	0.00%	0.00%	6.96%	0.00%	0.22%	0.14%	2.98%	0.00%	2.97%	134.0819581	0.105469432	13.27%
11	0.077175099	0.000877834	0.000116872	0.019561807	0.016159036	0.00%	0.00%	7.72%	0.00%	0.09%	0.01%	3.33%	0.00%	3.25%	146.6197895	0.113890648	14.40%
10	0.077430553	6.84787E-06	0.000588646	0.020162842	0.016464866	0.00%	0.00%	7.74%	0.00%	0.00%	0.06%	3.44%	0.00%	3.31%	161.6315319	0.114653755	14.55%
9	0.077357528	0.000680581	0.001807917	0.019225435	0.015699385	0.00%	0.00%	7.74%	0.00%	0.07%	0.18%	3.28%	0.00%	3.16%	179.9419182	0.114770845	14.42%
8	0.069692677	0.001867778	0.00215092	0.016916943	0.014006459	0.00%	0.00%	6.97%	0.00%	0.19%	0.22%	2.88%	0.00%	2.82%	202.7880371	0.104634778	13.07%
7	0.055985688	0.001914272	0.00122547	0.013772102	0.01164144	0.00%	0.00%	5.60%	0.00%	0.19%	0.12%	2.35%	0.00%	2.34%	232.1138732	0.084538972	10.60%
6	0.044151062	0.000815988	0.00018071	0.010248975	0.008947195	0.00%	0.00%	4.42%	0.00%	0.08%	0.02%	1.75%	0.00%	1.80%	271.1593869	0.06434393	8.06%
5	0.030354293	0.000128176	0.000263091	0.006899273	0.006263395	0.00%	0.00%	3.04%	0.00%	0.01%	0.03%	1.18%	0.00%	1.26%	325.7564906	0.043908227	5.51%
4	0.018574843	0.000778724	0.001351085	0.004086771	0.003902894	0.00%	0.00%	1.86%	0.00%	0.08%	0.14%	0.70%	0.00%	0.78%	407.5689883	0.028694318	3.55%
3	0.009692955	0.001814743	0.002153346	0.002031476	0.002059767	0.00%	0.00%	0.97%	0.00%	0.18%	0.22%	0.35%	0.00%	0.41%	543.8123956	0.017752287	2.13%
2	0.003660712	0.00176951	0.001746433	0.000761815	0.000825764	0.00%	0.00%	0.37%	0.00%	0.18%	0.17%	0.13%	0.00%	0.17%	816.1332186	0.008764234	1.01%
1	0.000744185	0.000675967	0.000602871	0.000153081	0.000179857	0.00%	0.00%	0.07%	0.00%	0.07%	0.06%	0.03%	0.00%	0.04%	1632.763906	0.002355961	0.26%