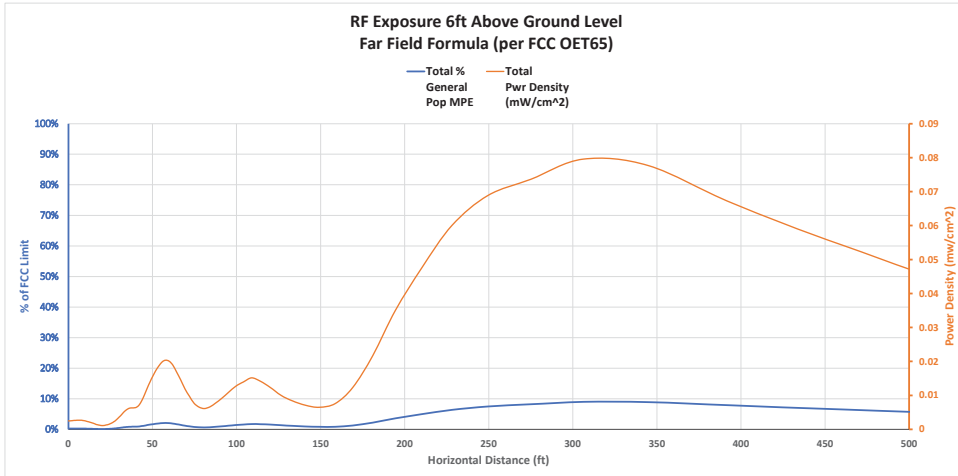


# **ATTACHMENT 7**

REDDING NORTH CT					
Location	3/1/2023				
Date	C-Band	AWS	PCS	850-LTE	700
Operating Frequency (MHz)	3,700	2,145	1,970	880	746
General Population MPE (mW/cm <sup>2</sup> )	1	1	1	0.586666667	0.497333333
ERP Per Transmitter (Watts)	13,335	4,074	3,311	871	1,862
Number of Transmitters	2	4	4	4	4
Antenna Centerline (feet)	146	146	146	146	146
Total ERP (Watts)	26,670	16,296	13,244	3,484	7,448
Total ERP (dBm)	74	72	71	65	69
Maximum % of General Population Limit	9.0%				



Angle Below Horizon	Power Density (mW/cm <sup>2</sup> )					Percent of General Population MPE										Distance	Total Pwr Density (mW/cm <sup>2</sup> )	Total % General Pop MPE
	C-Band	AWS	PCS	850-LTE	700 MHz	39GHz	28GHz	C-Band	CBRS	AWS	PCS	Cellular	CDMA	700 MHz				
90	0.002418898	1.58734E-06	4.14579E-07	3.10932E-05	4.03299E-05	0.00%	0.00%	0.24%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	0	0.002492323	0.26%	
89	0.00241881	2.86849E-06	7.20429E-08	3.05246E-05	4.12678E-05	0.00%	0.00%	0.24%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	0.846570649	0.002493543	0.26%	
88	0.00247488	6.81719E-06	3.45576E-07	2.96895E-05	3.93155E-05	0.00%	0.00%	0.25%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	1.69365732	0.00251047	0.26%	
87	0.002508849	1.30775E-05	1.32881E-06	2.82828E-05	3.51953E-05	0.00%	0.00%	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	2.541777295	0.002586733	0.26%	
86	0.002566627	1.9562E-05	2.63847E-06	2.61464E-05	3.02254E-05	0.00%	0.00%	0.26%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	3.391450379	0.0026452	0.27%	
85	0.002565777	2.34569E-05	4.05703E-06	2.34567E-05	2.56583E-05	0.00%	0.00%	0.26%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	4.243200181	0.00264206	0.27%	
84	0.002624474	2.27035E-05	6.31003E-06	2.06581E-05	2.20319E-05	0.00%	0.00%	0.26%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	5.09755541	0.002696177	0.27%	
83	0.002623207	1.76964E-05	1.01116E-05	1.8234E-05	1.94914E-05	0.00%	0.00%	0.26%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	5.955051204	0.00268874	0.27%	
82	0.00261738	1.1125E-05	1.47767E-05	1.6697E-05	1.81384E-05	0.00%	0.00%	0.26%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	6.816230483	0.002682876	0.27%	
81	0.002620605	7.7327E-06	1.8463E-05	1.64574E-05	1.80435E-05	0.00%	0.00%	0.26%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.681645356	0.002680762	0.27%	
80	0.00258587	7.85328E-06	2.05584E-05	1.76623E-05	1.89675E-05	0.00%	0.00%	0.26%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	8.551858564	0.00263628	0.27%	
79	0.002498347	1.01322E-05	2.23173E-05	2.04975E-05	2.06378E-05	0.00%	0.00%	0.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	9.427444993	0.002571932	0.26%	
78	0.002387396	1.149E-05	2.51338E-05	2.50794E-05	2.27132E-05	0.00%	0.00%	0.24%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	10.30899324	0.002468213	0.25%	
77	0.002222534	1.0349E-05	2.9298E-05	3.147E-05	2.47092E-05	0.00%	0.00%	0.22%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	11.19710727	0.00231836	0.24%	
76	0.002120262	7.55859E-06	3.51867E-05	3.94855E-05	2.60255E-05	0.00%	0.00%	0.21%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	12.09246814	0.00228519	0.23%	
75	0.001976476	4.7976E-06	4.55912E-05	4.85221E-05	2.59957E-05	0.00%	0.00%	0.20%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	12.99545383	0.00210382	0.22%	
74	0.001800334	3.14343E-06	6.52142E-05	5.74647E-05	2.42305E-05	0.00%	0.00%	0.18%	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%	13.9075121	0.001950387	0.20%	
73	0.001620407	3.14647E-06	9.76702E-05	6.51366E-05	2.06911E-05	0.00%	0.00%	0.16%	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%	14.82793805	0.001789051	0.19%	
72	0.001361914	5.09566E-06	0.000142278	7.05014E-05	1.64498E-05	0.00%	0.00%	0.14%	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%	15.75860527	0.001596239	0.17%	
71	0.001144147	8.08226E-06	0.000196097	7.26993E-05	1.3536E-05	0.00%	0.00%	0.11%	0.00%	0.00%	0.02%	0.01%	0.00%	0.00%	16.6998924	0.00143561	0.15%	
70	0.000972226	9.52398E-06	0.00025127	7.19143E-05	1.33284E-05	0.00%	0.00%	0.10%	0.00%	0.00%	0.03%	0.01%	0.00%	0.00%	17.65255636	0.001231212	0.14%	
69	0.000807244	7.46545E-06	0.000316223	6.90324E-05	1.77425E-05	0.00%	0.00%	0.08%	0.00%	0.00%	0.03%	0.01%	0.00%	0.00%	18.6174057	0.001217077	0.13%	
68	0.000670181	3.37476E-06	0.00072547	6.50489E-05	3.30523E-05	0.00%	0.00%	0.07%	0.00%	0.00%	0.04%	0.01%	0.00%	0.01%	19.59527195	0.001144204	0.12%	
67	0.000578531	1.25135E-06	0.000412397	6.11477E-05	6.50634E-05	0.00%	0.00%	0.06%	0.00%	0.00%	0.04%	0.01%	0.00%	0.01%	20.58702859	0.00111839	0.12%	
66	0.000590574	3.07226E-06	0.000426969	5.74718E-05	0.000112051	0.00%	0.00%	0.06%	0.00%	0.00%	0.04%	0.01%	0.00%	0.02%	21.59359124	0.001190318	0.13%	
65	0.000661347	7.2691E-06	0.000407773	5.40105E-05	0.000174759	0.00%	0.00%	0.07%	0.00%	0.00%	0.04%	0.01%	0.00%	0.04%	22.61059212	0.001305159	0.15%	
64	0.000757517	1.37228E-05	0.00035106	5.07506E-05	0.000256096	0.00%	0.00%	0.08%	0.00%	0.00%	0.04%	0.01%	0.00%	0.05%	23.65503055	0.001429147	0.17%	
63	0.000949058	2.96718E-05	0.000263198	4.71347E-05	0.000357522	0.00%	0.00%	0.09%	0.00%	0.00%	0.03%	0.01%	0.00%	0.07%	24.7119843	0.001646584	0.20%	
62	0.001164466	6.81492E-05	0.00015744	4.26751E-05	0.000482099	0.00%	0.00%	0.12%	0.00%	0.01%	0.02%	0.01%	0.00%	0.10%	25.78790744	0.0019151	0.24%	
61	0.001333188	0.000139618	6.10774E-05	3.7234E-05	0.000632268	0.00%	0.00%	0.13%	0.00%	0.01%	0.01%	0.00%	0.00%	0.13%	26.883899	0.002203385	0.29%	
60	0.001494798	0.000214342	8.99611E-06	3.08057E-05	0.000806478	0.00%	0.00%	0.15%	0.00%	0.02%	0.00%	0.01%	0.00%	0.16%	28.00148806	0.00258241	0.34%	
59	0.00170789	0.000382825	3.69138E-05	2.39467E-05	0.001035093	0.00%	0.00%	0.17%	0.00%	0.04%	0.00%	0.00%	0.00%	0.20%	29.14174002	0.003140028	0.42%	
58	0.001785373	0.00049406	0.000173472	1.84972E-05	0.00121065	0.00%	0.00%	0.18%	0.00%	0.05%	0.02%	0.00%	0.00%	0.25%	30.30616557	0.003691667	0.49%	
57	0.001774904	0.000618338	0.000429699	1.97344E-05	0.001446054	0.00%	0.00%	0.18%	0.00%	0.06%	0.04%	0.00%	0.00%	0.29%	31.49626827	0.00428873	0.58%	
56	0.001768192	0.000715452	0.000804486	3.38515E-05	0.001665479	0.00%	0.00%	0.18%	0.00%	0.07%	0.08%	0.00%	0.00%	0.33%	32.71366307	0.00498761	0.67%	
55	0.001606153	0.00074617	0.001269919	6.66554E-05	0.001865506	0.00%	0.00%	0.16%	0.00%	0.07%	0.13%	0.01%	0.00%	0.38%	33.9600656	0.005544004	0.75%	
54	0.001402624	0.000668322	0.00177995	0.000122177	0.002036812	0.00%	0.00%	0.14%	0.00%	0.07%	0.18%	0.02%	0.00%	0.41%	35.23731261	0.00607994	0.82%	
53	0.00116411	0.000475316	0.002274968	0.00021853	0.002152761	0.00%	0.00%	0.12%	0.00%	0.05%	0.23%	0.03%	0.00%	0.43%	36.54737143	0.006266369	0.86%	
52	0.000868788	0.000226968	0.002709589	0.000304062	0.002207618	0.00%	0.00%	0.09%	0.00%	0.02%	0.27%	0.05%	0.00%	0.44%	37.89235289	0.006317025	0.88%	
51	0.000598023	6.85123E-05	0.003066952	0.000422441	0.002196481	0.00%	0.00%	0.06%	0.00%	0.01%	0.31%	0.07%	0.00%	0.44%	39.27452561	0.006352408	0.89%	
50	0.000358417	0.00018899	0.003383589	0.000548828	0.002110562	0.00%	0.00%	0.04%	0.00%	0.02%	0.34%	0.09%	0.00%	0.42%	40.69633211	0.006590386	0.91%	
49	0.000224862	0.00073785	0.003689878	0.000671375	0.001958514	0.00%	0.00%	0.02%	0.00%	0.07%	0.37%	0.11%	0.00%	0.39%	42.16404678	0.007281579	0.97%	
48	0.00020859	0.001735179	0.004048391	0.000776858	0.001751068	0.00%	0.00%	0.02%	0.00%	0.17%	0.40%	0.13%	0.00%	0.35%	43.69959165	0.008200866	1.08%	
47	0.000321001	0.003044792	0.00482247	0.000852226	0.001501469	0.00%	0.00%	0.03%	0.00%	0.30%	0.45%	0.15%	0.00%	0.30%	45.22698168	0.010201735	1.23%	
46	0.000573515	0.004041451	0.005029606	0.000886325	0.001226181	0.00%	0.00%	0.06%	0.00%	0.44%	0.50%	0.15%	0.00%	0.25%	46.83590558	0.012117077	1.40%	
45	0.00094919	0.00551953	0.005706686	0.000873862	0.000942767	0.00%	0.00%	0.05%	0.00%	0.56%	0.57%	0.15%	0.00%	0.19%	48.5	0.014020188	1.56%	
44	0.001442255	0.006340057	0.006486812	0.00081113	0.000673057	0.00%	0.00%	0.14%	0.00%	0.63%	0.65%	0.14%	0.00%	0.14%	50.22322022	0.015753311	1.70%	
43	0.002067621	0.00676962	0.007336015	0.000705536	0.000457594	0.00%	0.00%	0.21%	0.00%	0.68%	0.73%	0.12%	0.00%	0.09%	52.00988244	0.017335729	1.83%	
42	0.00282695	0.00699332	0.00847358	0.000567169	0.000348878	0.00%	0.00%	0.28%	0.00%	0.70%	0.80%	0.10%	0.00%	0.07%	53.86470697	0.018779933	1.95%	
41	0.003602485	0.007188749	0.008367418	0.000415576	0.000312329	0.00%	0.00%	0.36%	0.00%	0.72%	0.84%	0.07%	0.00%	0.06%	55.79286775	0.019866557	2.05%	
40	0.004398092	0.00752169	0.007911404	0.000266264	0.00027433	0.00%	0.00%	0.43%	0.00%	0.75%	0.79%	0.05%	0.00%	0.06%	57.80004924	0.02071781	2.08%	
39	0.005171625	0.007974036	0.006556559	0.000135106	0.000243017	0.00%	0.00%	0.52%	0.00%	0.80%	0.66%	0.02%	0.00%	0.05%	59.89251209	0.020079442	2.04%	
38	0.005789814	0.008408447	0.00442771	6.74082E-05	0.000216608	0.00%	0.00%	0.58%	0.00%	0.84%	0.44%	0.01%	0.00%	0.04%	62.07716916	0.018925929	1.92%	
37																		

18	0.000550628	0.003096774	0.000661984	0.001376914	0.000821993	0.00%	0.00%	0.06%	0.00%	0.31%	0.07%	0.23%	0.00%	0.17%	149.2676516	0.006508294	0.83%
17	0.00381883	0.00252919	4.87438E-06	0.000986231	0.000262991	0.00%	0.00%	0.38%	0.00%	0.25%	0.00%	0.17%	0.00%	0.05%	158.636352	0.007602116	0.86%
16	0.010156703	0.000992668	0.00053919	0.000550555	0.000105867	0.00%	0.00%	1.02%	0.00%	0.10%	0.05%	0.09%	0.00%	0.02%	169.1396005	0.012344983	1.28%
15	0.019268697	4.39444E-05	0.001897303	0.000197652	0.000331026	0.00%	0.00%	1.93%	0.00%	0.00%	0.19%	0.03%	0.00%	0.07%	181.0044642	0.021728623	2.22%
14	0.030879175	0.000505666	0.002771118	5.72419E-05	0.000890585	0.00%	0.00%	3.09%	0.00%	0.05%	0.28%	0.01%	0.00%	0.18%	194.5228753	0.035104781	3.60%
13	0.041640409	0.001501641	0.002309427	0.000211136	0.001872944	0.00%	0.00%	4.16%	0.00%	0.15%	0.23%	0.04%	0.00%	0.38%	210.0765799	0.047535558	4.96%
12	0.053527245	0.001598181	0.000962862	0.000708962	0.003308146	0.00%	0.00%	5.35%	0.00%	0.16%	0.10%	0.12%	0.00%	0.67%	228.1745603	0.060105397	6.39%
11	0.061634645	0.000665083	8.52735E-05	0.001485502	0.005009965	0.00%	0.00%	6.16%	0.00%	0.07%	0.01%	0.25%	0.00%	1.01%	249.5108698	0.068880469	7.50%
10	0.064117904	5.38308E-06	0.000445624	0.002404516	0.006683272	0.00%	0.00%	6.41%	0.00%	0.00%	0.04%	0.41%	0.00%	1.34%	275.0571683	0.073656699	8.21%
9	0.066279629	0.0005539	0.001416998	0.003269101	0.008042478	0.00%	0.00%	6.63%	0.00%	0.06%	0.14%	0.56%	0.00%	1.62%	306.2169485	0.079562106	9.00%
8	0.061634781	0.001569918	0.001741066	0.003880379	0.008807156	0.00%	0.00%	6.16%	0.00%	0.16%	0.17%	0.66%	0.00%	1.77%	345.0954315	0.0776333	8.93%
7	0.050966615	0.001657055	0.001021586	0.004095756	0.008816488	0.00%	0.00%	5.10%	0.00%	0.17%	0.10%	0.70%	0.00%	1.77%	395.0008018	0.0665575	7.84%
6	0.041246683	0.000725171	0.00015466	0.003849793	0.008061184	0.00%	0.00%	4.12%	0.00%	0.07%	0.02%	0.56%	0.00%	1.62%	461.446676	0.054037491	6.49%
5	0.029002969	0.000116545	0.000230373	0.003217294	0.006644346	0.00%	0.00%	2.90%	0.00%	0.01%	0.02%	0.55%	0.00%	1.34%	554.3575367	0.039211528	4.82%
4	0.018085641	0.000721747	0.001205933	0.002340896	0.004823294	0.00%	0.00%	1.81%	0.00%	0.07%	0.12%	0.40%	0.00%	0.97%	693.5823135	0.027177511	3.37%
3	0.00957976	0.001707677	0.001951389	0.001417108	0.002960496	0.00%	0.00%	0.96%	0.00%	0.17%	0.20%	0.24%	0.00%	0.60%	925.4351294	0.01761643	2.16%
2	0.003657356	0.00168352	0.001600135	0.000643007	0.001374602	0.00%	0.00%	0.37%	0.00%	0.17%	0.16%	0.11%	0.00%	0.28%	1388.858284	0.008958619	1.08%
1	0.000748397	0.000647416	0.00055606	0.00015602	0.000345256	0.00%	0.00%	0.07%	0.00%	0.06%	0.06%	0.03%	0.00%	0.07%	2778.563139	0.002453149	0.29%