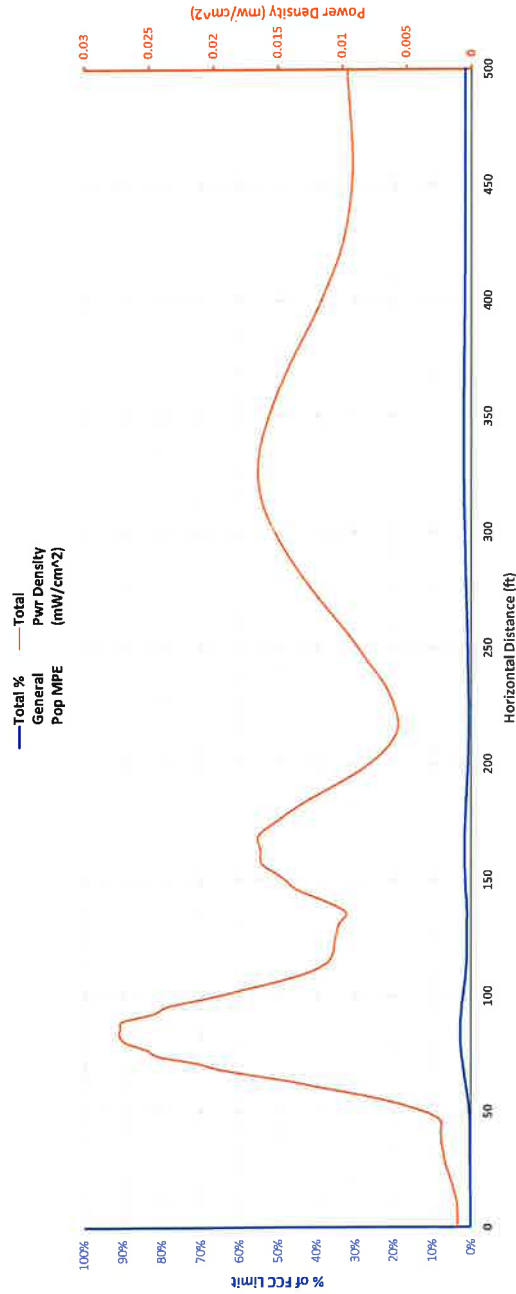


Location		Cheshire DT CT							
Date	10/23/2023								
Operating Frequency (MHz)	3,700	C-Band	3,550	AWS	1,970	PCS	850-LTE	700	746
General Population MPE (mW/cm <sup>2</sup> )	1	1	1	1	1	0.586666667	0.497333333		
ERP Per Transmitter (Watts)	34,277	61	1,841	1,718	1,084	966			
Number of Transmitters	2	4	4	4	4	4			
Antenna Centerline (feet)	120	120	120	120	120	120			
Total ERP (Watts)	68,554	244	7,363	6,872	4,336	3,804			
Total ERP (dBm)	78	54	69	68	66	66			

### RF Exposure 6ft Above Ground Level Far Field Formula (per FCC OET65)



Angle Below Horizon	Power Density (mW/cm <sup>2</sup> )										Distance	Total Pwr Density (mW/cm <sup>2</sup> )	Total % General Pop MPE			
	C-band	CBRS	AWS	PCS	850-LTE	700 Mhz	smH	abstr	cband	CBRS				AWS	PCS	Cellular
90	0.000950745	7.39766E-08	7.7463E-06	1.18571E-05	1.17245E-05	3.22519E-05	3.27819E-05	0.000	0.000	0.10%	0.00%	0.00%	0.00%	0.01%	0.001015438	0.11%
89	0.000950456	6.59116E-08	9.08833E-06	1.31511E-05	1.22739E-05	3.7048E-05	3.7048E-05	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.01%	0.001022109	0.11%
88	0.000949587	9.95701E-08	9.74013E-06	1.19831E-05	1.40671E-05	4.35076E-05	4.35076E-05	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.01%	0.001029324	0.11%
87	0.000948141	1.72943E-07	1.04208E-05	8.27757E-06	1.76971E-05	5.10391E-05	5.10391E-05	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.01%	0.001035749	0.11%
86	0.000946119	2.86402E-07	1.14238E-05	4.23619E-06	2.7497E-05	5.84757E-05	5.84757E-05	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.01%	0.001043009	0.11%
85	0.000945273	4.32297E-07	1.16354E-05	2.85616E-06	2.85616E-05	6.69549E-05	6.69549E-05	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.01%	0.001053964	0.11%
84	0.000944675	6.08537E-07	1.15964E-05	4.72444E-06	3.50205E-05	7.86566E-05	7.86566E-05	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.02%	0.00113241	0.12%
83	0.000943589	8.1703E-07	1.1504E-05	7.45734E-06	4.29137E-05	8.5242E-05	8.5242E-05	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.02%	0.00123752	0.13%
82	0.000942717	1.09799E-06	1.14974E-05	9.34544E-06	5.1357E-05	9.34544E-05	9.34544E-05	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.02%	0.001313769	0.14%
81	0.0009422655	1.40713E-06	1.1704E-05	1.01938E-05	6.28542E-05	0.000104912	0.000104912	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.02%	0.001413126	0.16%
80	0.0009420468	1.80218E-06	1.2468E-05	1.1371E-05	7.68771E-05	0.00011371	0.00011371	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.02%	0.001518696	0.17%
79	0.0009418619	2.20289E-06	1.42229E-05	1.67104E-05	9.39696E-05	0.000126761	0.000126761	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.03%	0.001640487	0.18%
78	0.0009417575	2.75361E-06	1.62145E-05	2.75361E-05	0.000117463	0.000141222	0.000141222	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.03%	0.001780465	0.20%
77	0.00094158599	3.28509E-06	1.80527E-05	4.04149E-05	0.000143398	0.000157232	0.000157232	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.03%	0.001930382	0.22%
76	0.00094151741	4.00777E-06	1.79021E-05	4.49679E-05	0.000174945	0.000174945	0.000174945	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.04%	0.002080509	0.23%
75	0.0009414179	4.77509E-06	1.37715E-05	3.79249E-05	0.000213295	0.000213295	0.000213295	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.04%	0.002274051	0.24%
74	0.00094135665	5.55619E-06	4.8924E-06	3.50572E-05	0.000248186	0.000248186	0.000248186	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.04%	0.00235396	0.25%
73	0.00094165749	6.46081E-06	1.8209E-06	5.7592E-05	0.000286594	0.000286594	0.000286594	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.04%	0.00250127	0.27%
72	0.0009416034315	7.5077E-06	1.03635E-05	0.000101276	0.000335357	0.000335357	0.000335357	0.000	0.000	0.00%	0.00%	0.00%	0.00%	0.05%	0.002587829	0.28%

