BRAG City RF Project

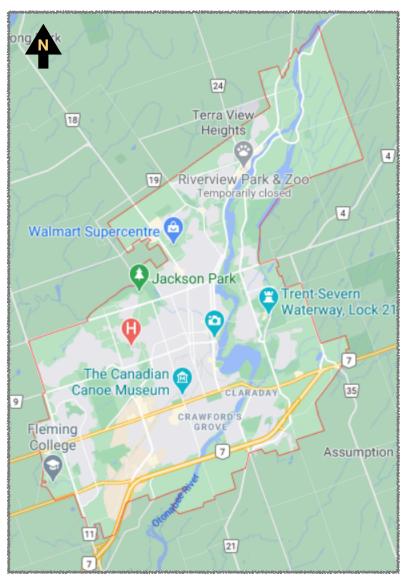
How to take measurements for this project



Magda Havas, March 2021, BRAG.city.RF@gmail,com

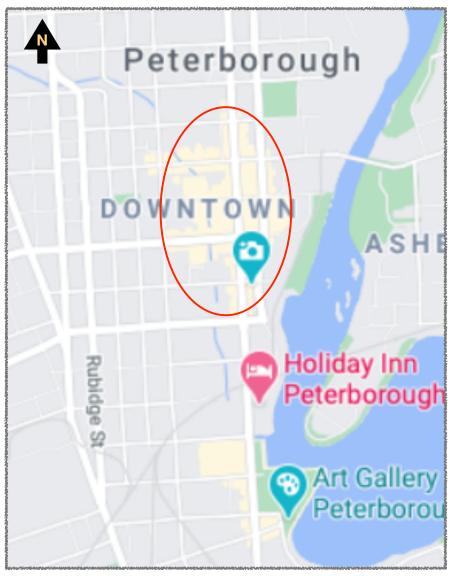
Step #1: Select a City to monitor

Step #2: Identify "north"



City of Peterborough (used as an example)

Step #3: Locate the downtown core where there are restaurants, shops, & pedestrian traffic. In other words, select a street where people spend time shopping/socializing.



Downtown core Peterborough

Step #4: Select a **Main Street** that has at least 4 or 5 intersections. Smaller towns won't have 5 intersections along one street so you can do a cross with two main streets, one running east/west and the other running north/south. The important point is to be able to return to the same intersections for repeat measurements at a later date.



Main Street = George Street

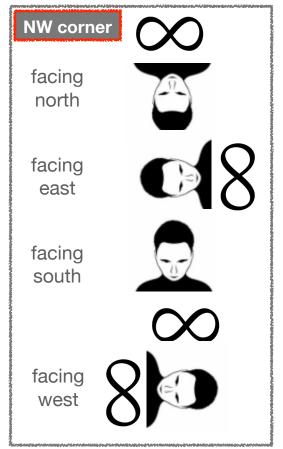
The most efficient way to do this is to start at **intersection 1** and measure two corners. In this case it would be SW and NW corners and then walk to **intersection 2** and repeat the same corners. Do this until you get to **intersection 5** at which point you will cross the street to the other side and repeat the measurements on the NE and SE corner for intersection 5, 4, 3, 2, 1 by which time you will be back at your starting point.

Remember to record both **start time and end time** on the form provided.

If you are monitoring more than one city, please **print a copy** of the form for each city.

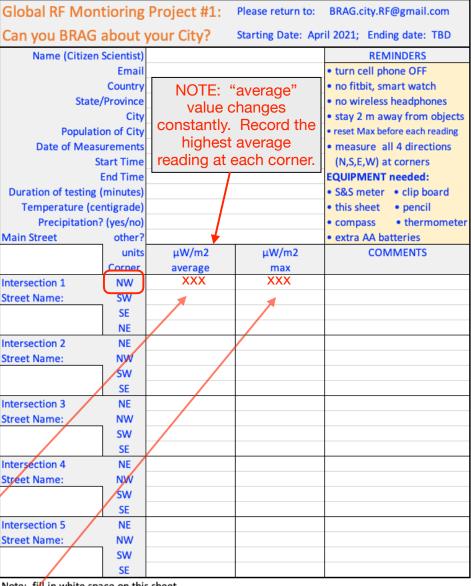
Step #5: At each corner reset the maximum button for S&S Pro II or turn the meter off and on if you have S&S Pro I just before each reading.

Step #6: At each corner you will perform the figure 8 with the meter 3 times while facing in each of the 4 cardinal directions: N, E, S, W. This will take about 15 seconds.



The reason for facing different directions is to minimize your body blocking any sources.

The figure 8 helps to capture all sources of RFR.



Note: fill in white space on this sheet.

This is the reading you will enter on the data sheet provided for both averáge and maximum at that corner.

You will receive this form	Global RF Montioring Project #1: Pl			Please return to:	BRAG.city.RF@gmail.com
in a printable format	Can you BRAG about your City? Starting Date: April 2021; Ending date: TBD				
	Name (Citizen S	cientist)			REMINDERS
This should be fairly straight forward	Email				turn cell phone OFF
	Country				 no fitbit, smart watch
	State/Province				 no wireless headphones
	City				stay 2 m away from objects
	Population of City			reset Max before each reading	
	Date of Measurements Start Time			 measure all 4 directions (N,S,E,W) at corners 	
				EQUIPMENT needed:	
	Duration of testing (minutes)		S&S meter		
	Temperature (cen				• this sheet • pencil
insert Name of Main Street ———	Precipitation?				compass
	Main Street	other?			extra AA batteries
		units	μW/m2	μW/m2	COMMENTS
		Corner	average	max	
	Intersection 1	NW			
	Street Name:	SW SE			
insert Name of each intersection		NE NE			
insert Name of each intersection Step 7: You will then be	Intersection 2	NE			
	Street Name:	NW			
		SW			
asked to transfer your values		SE			
to a google form for which	Intersection 3	NE			
you will receive a link .	Street Name:	NW			
		SW			
All of this for one city should take less than 2 hours.	Intersection 4	SE NE			
	Street Name:	NW			
	Street Name.	SW			
		SE			
\	Intersection 5	NE			
If you are unable to use a	Street Name:	NW			
computer because of sensitivity,		SW			
please ask a friend for help.		SE			
piease ask a menu ioi neip.	Note: fill in white space	ce on this	s sheet.		