Viewshed Analysis

1. Open QGIS Desktop with Grass
2. Layer/Add Layer/ Add Raster Layer, choose DEM file
   1. Right click on new layer, -> Save As, select WGS 84
3. Plugins/GRASS/New Mapset
   1. Select WGS 84
4. Layer/Add Layer/ Add Delimited Text Layer
   1. Note, this is to import in TX and RX points
5. Using GRASS tools, choose r.in.gda.qgis to import raster data into a GRASS raster map.
6. r.viewshed to compute viewshed of a point on elevation raster map.
7. r.to.vect.point to convert a raster back into vector points
8. Save the vectors into shapefiles and as CSV files
9. Vector/Geoprocessing Tools/ Intersection
10. Vector/Geometry Tools/ Export Add Geometry Columns to get coordinates of the intersection points.