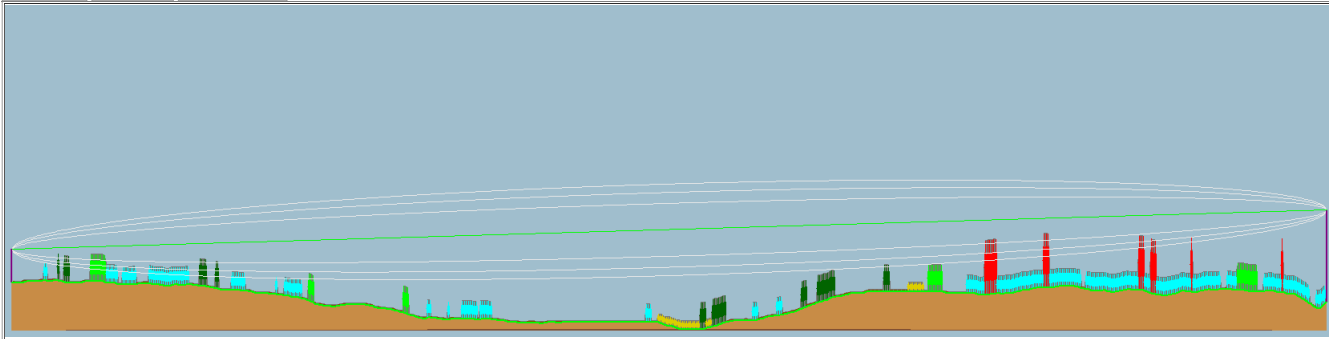


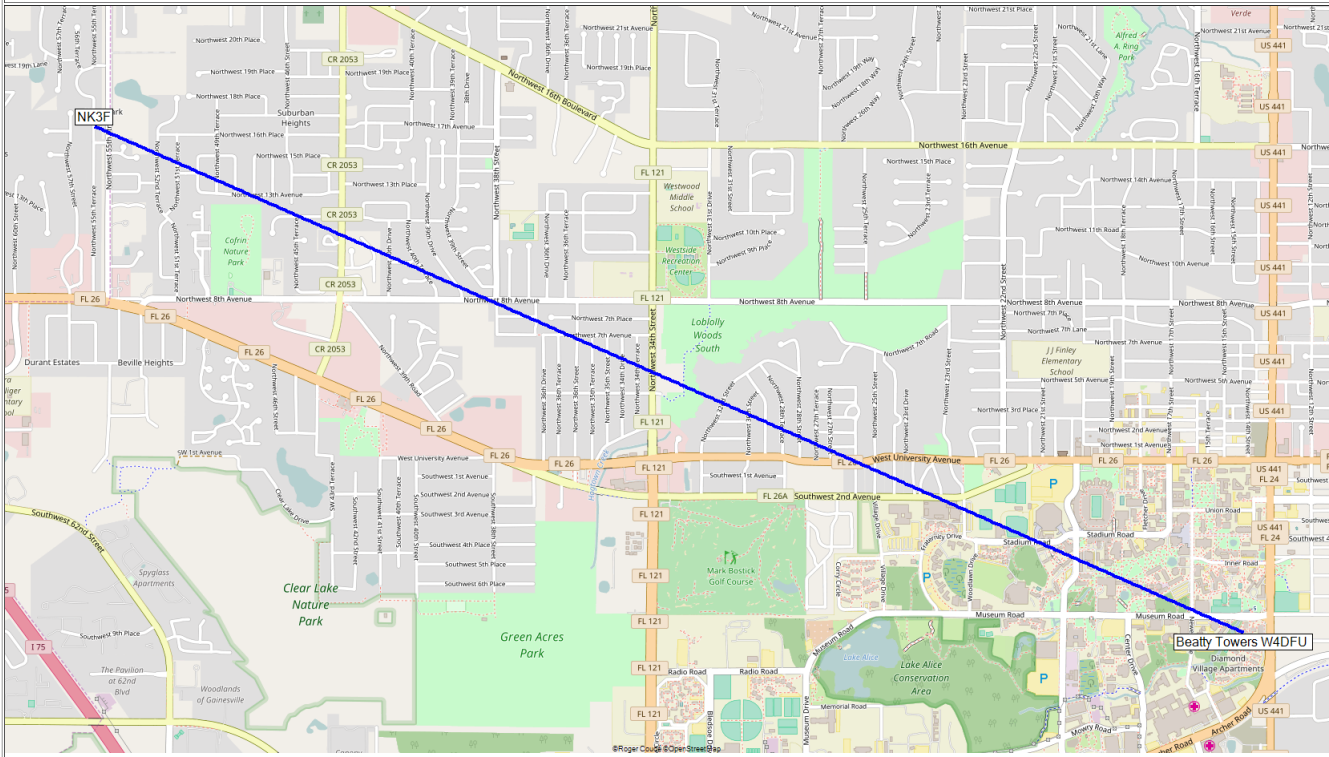
[Add to my links](#) [Modify this link](#) [Return to main menu](#)



Tom to Betty

NK3F (1)		(2) Betty Towers W4DFU
Latitude	29.667657 °	Latitude 29.644083 °
Longitude	-82.402310 °	Longitude -82.340751 °
Ground elevation	46.6 m	Ground elevation 36.1 m
Antenna height	18.0 m	Antenna height 50.0 m
Azimuth	113.77 TN 119.47 MG °	Azimuth 293.80 TN 299.53 MG °
Tilt	0.16 °	Tilt -0.22 °
Radio system		Propagation
TX power	26.99 dBm	Free space loss 115.93 dB
TX line loss	0.50 dB	Obstruction loss -4.68 dB
TX antenna gain	15.00 dBi	Forest loss 0.00 dB
RX antenna gain	15.00 dBi	Urban loss 0.00 dB
RX line loss	0.50 dB	Statistical loss 16.35 dB
RX sensitivity	-94.96 dBm	Total path loss 127.60 dB

Performance	
Distance	6.500 km
Precision	10.0 m
Frequency	2310.000 MHz
Equivalent Isotropically Radiated Power	14.092 W
System gain	150.95 dB
Required reliability	90.000 %
Received Signal	-71.61 dBm
Received Signal	58.84 μV
Fade Margin	23.35 dB



/body>

