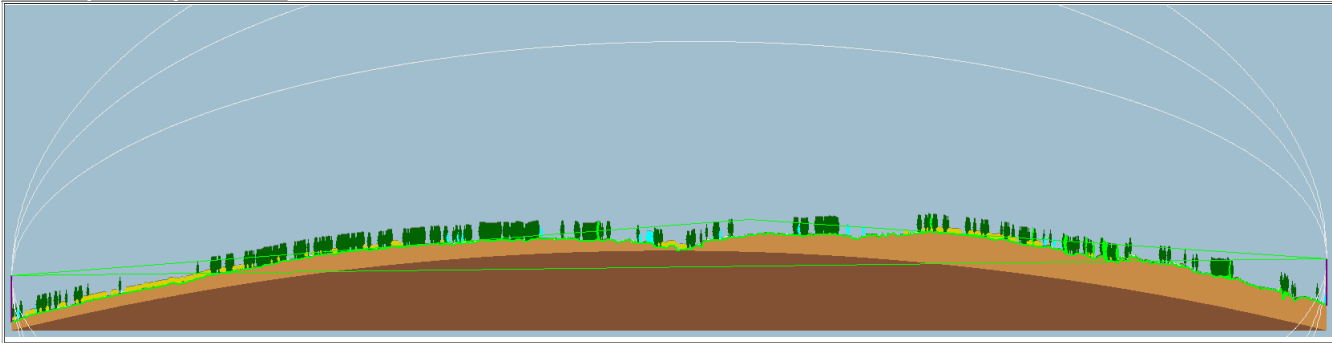


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146 MHz

Jonesboro (1)		(2) ForestGrove	
Latitude	29.707661 °	Latitude	29.711314 °
Longitude	-83.295894 °	Longitude	-82.606201 °
Ground elevation	8.0 m	Ground elevation	22.0 m
Antenna height	38.0 m	Antenna height	38.0 m
Azimuth	89.48 TN 94.61 MG °	Azimuth	269.82 TN 275.40 MG °
Tilt	-0.29 °	Tilt	-0.31 °

Radio system		Propagation	
TX power	43.01 dBm	Free space loss	112.16 dB
TX line loss	3.00 dB	Obstruction loss	22.01 dB
TX antenna gain	6.00 dBi	Forest loss	2.11 dB
RX antenna gain	6.00 dBi	Urban loss	1.00 dB
RX line loss	3.00 dB	Statistical loss	12.49 dB
RX sensitivity	-113.02 dBm	Total path loss	149.76 dB

Performance	
Distance	66.610 km
Precision	33.3 m
Frequency	146.000 MHz
Equivalent Isotropically Radiated Power	39.905 W
System gain	162.03 dB
Required reliability	90.000 %
Received Signal	-100.75 dBm
Received Signal	2.05 μV
Fade Margin	12.27 dB

