Coverage chart for WLRE-LP 92.9FM 225L1

English

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Radio Coverage Prediction using Longley Rice

Transmitter

Latitude:	33	29	14.0	North	
Longitude:	80	32	54.0	West	

Note: the transmitter position can also be set using the "Set Tx Pos" button below.

Height Above Ground (m):	30	(0.5 - 3000 m)
Frequency (MHz):	92.9	(20 - 40000 MHz)
Power (W):	65	
Polarization:	Horizontal	
Antenna Gain (dBi):	0.0	
Antenna Pointing Azimuth (°):	0.0	(0° - 359.9° ; North = 0°)

Antenna Pattern (Horiz. Plane)

Antenna
SHI-6812
2 bay
ERP= 65w
Pattern= 0.0

Details

Propagation Model: Longley Rice (Point-to-Point)

Surface Refractivity (N-units):	301	Show List	(250 - 400 N-units)
Dielectric Constant of Ground:	15	Show List	(4 - 81)
Conductivity of Ground (Siemens/m):	0.005	Show List	(0.001 - 5.0 S/m)
Climatic Zone:	Continental Temperate		
Confidence Level (%):	97		(1 - 99 %)
Time Availability (%):	50		(1 - 99 %)
Location Availability (%):	50		(1 - 99 %)

Receiver

Antenna Height Above Ground (m):	1.5	(0.5 - 3000 m)

Reception Area

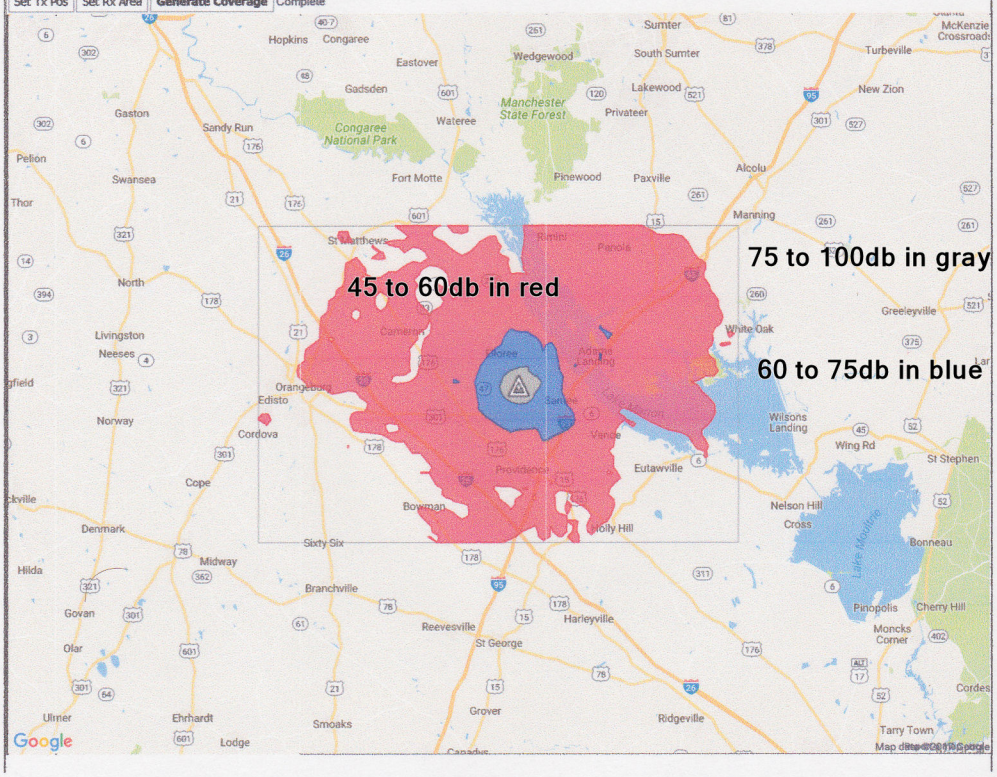
Lower Left Corner Position (decimal degrees):	Latitude	33.30537	Longitude	-80.91988
Upper Right Corner Position (decimal degrees):	Latitude	33.68193	Longitude	-80.23324

Note: the reception area can also be set using the "Set Rx Area" button below.

Coverage Display

	From		To		Color
☑	45	dBµV/m	60	dBµV/m	Red
☑	60	dBµV/m	75	dBµV/m	Blue
☑	75	dBµV/m	100	dBµV/m	Dark Grey

Set Tx Pos | Set Rx Area | **Generate Coverage** | Complete



2/26/2017