

# Coverage chart for WEGX 92.9 FM Dillon, SC 225C

English

## MENU

Online Coverage Prediction 1

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Hi Chuck Smith,

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## Radio Coverage Prediction using Longley Rice

Transmitter		
Latitude:	34 22 4.0 North	
Longitude:	79 19 21.0 West	
Note: the transmitter position can also be set using the "Set Tx Pos" button below.		
Height Above Ground (m):	486.2 (0.5 - 3000 m)	
Frequency (MHz):	92.9 (20 - 40000 MHz)	
Power (W):	100000	
Polarization:	Horizontal	
Antenna Gain (dBi):	7.5435	
Antenna Pointing Azimuth (°):	0.0 (0° - 359.9°; North = 0°)	
Antenna Pattern (Horiz. Plane) <b>Antenna SHPX-10AC</b> <b>10 Bay</b> <b>Gain 7.5435db</b> <b>Pattern 0.0</b> <b>ERP 100KW</b>		
Details		
Propagation Model: Longley Rice (Point-to-Point)		
Surface Refractivity (N-units):	301 Show List (250 - 400 N-units)	
Dielectric Constant of Ground:	25 Show List (4 - 81)	
Conductivity of Ground (Siemens/m):	0.020 Show List (0.001 - 5.0 S/m)	
Climatic Zone:	Continental Temperature	
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 32.97669 Longitude -82.11874	
Upper Right Corner Position (decimal degrees):	Latitude 35.29343 Longitude -77.85275	
Note: the reception area can also be set using the "Set Rx Area" button below.		
Coverage Display		
From	To	Color
<input checked="" type="checkbox"/> 45 dByV/m	60 dByV/m	Red
<input checked="" type="checkbox"/> 60 dByV/m	75 dByV/m	Blue
<input checked="" type="checkbox"/> 75 dByV/m	100 dByV/m	Dark Grey
<input type="button" value="Set Tx Pos"/> <input type="button" value="Set Rx Area"/> <input type="button" value="Generate Coverage"/> <input type="button" value="Complete"/>		

✓ IEP ✓ IIRMS

2/23/2017