

**WNCC-FM.A**

BPH20091125AEJ

Latitude: 35-19-38 N

Longitude: 083-20-09 W

ERP: 0.119 kW

Channel: 281

Frequency: 104.1 MHz

AMSL Height: 1530.0 m

Elevation: 1507.0 m

Horiz. Pattern: Omni

Vert. Pattern: No

Prop Model: Longley/Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 311.0

Receiver Ht AG: 9.1 m

Receiver Gain: 0 dB

Time Variability: 50.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

FCC 30 SECOND TERRAIN

**E2 70 DBU COVERAGE**

WNCC-FM.A

Cullowhee

Jackson

FRANKLIN  
COMMUNITY  
BOUNDARY

Franklin

70

Macon

FCC 60 DBU

Scale 1:200,000

0 2 4 6 km

LONGLEY-RICE  
70 DBU. NOTE THAT  
CELL BASED 70 DBU  
COVERS ENTIRE  
COMMUNITY (BLUE)

Highlands

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195.0°

180°

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## E2A LONGLEY-RICE CONTOUR TABULATION

Signal calculated using the last occurrence method at 70.0 dBu.

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Transmitter Information:

Call Letters: WNCC-FM.A  
File Number: BPH20091125AEJ  
Latitude: 35-19-38 N  
Longitude: 083-20-09 W  
ERP: 0.119 kW  
Channel: 281  
Frequency: 104.1 MHz  
AMSL Height: 1530.0 m  
Elevation: 1507.0 m  
HAAT: 673.0 m  
Horiz. Antenna Pattern: Omni

Azimuth (deg)	FCC 70 dBu (km)	LR 70 dBu (km)	% increase	HAAT (m)
185.0	16.29	24.00	47.6	772.2
186.0	16.32	24.10	47.9	775.2
187.0	16.39	24.20	47.7	781.6
188.0	16.45	24.20	47.1	788.4
189.0	16.51	24.20	46.6	793.9
190.0	16.54	24.20	46.3	797.1
191.0	16.57	24.20	46.0	798.4
192.0	16.60	24.20	45.8	800.4
193.0	16.62	24.20	45.6	803.7
194.0	16.63	24.20	45.5	807.4
195.0	16.65	24.20	45.3	811.1
196.0	16.64	24.20	45.4	813.1
197.0	16.67	23.50	41.0	811.8
198.0	16.67	22.40	34.4	808.7
199.0	16.64	22.30	34.0	806.9
200.0	16.62	22.40	34.8	806.8
201.0	16.65	22.50	35.1	809.2
202.0	16.71	23.70	41.8	813.7
203.0	16.77	23.90	42.5	818.9
204.0	16.83	24.10	43.2	824.3
205.0	16.87	24.20	43.4	829.6

All Longley-Rice 70 dBu calculated using Probe 4 and FCC 30 second terrain data. LR 70 dBu is contained within FCC 60 dBu at all azimuths.