


Longley-Rice Signal Strength

 > 60.0 dBuV/m

Jasper

## EXHIBIT A

W228CI - Channel 228D - Hilton Head Island, SC  
Supplemental Showing - Section 73.870(a)(1)  
Longley-Rice 60 dBu Signal Strength Interference Study  
Interference Population: 29,805; Interference Area: 179.8

### W228CI

Class: D  
Latitude: 32-13-36 N  
Longitude: 080-50-53 W  
ERP: 0.25 kW  
HAAT: 111.4 m  
Channel: 228  
Frequency: 93.5 MHz  
AMSL Height: 113.0 m  
Elevation: 6.0 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  
Terrain: NED 3 Second US Terrain  
Cell Size: 0.1  
Profile Increment: 0.1

**F(50,50) 60 dBu**

Beaufort

W228CI

Interferers

 WOEZ (229)

Scale 1:205,745

0 2.67 5.33 8 km

Longley-Rice Signal Strength

■ > 60.0 dBuV/m

## EXHIBIT B

W228CI (Proposed) - Channel 241D - Hilton Head Island, SC  
Supplemental Showing - Section 73.870(a)(1)  
Longley-Rice 60 dBu Signal Strength Interference Study  
Interference Population: 0; Interference Area: 0 sq. km

### W228CI (Proposed)

Class: D  
Latitude: 32-13-36 N  
Longitude: 080-50-53 W  
ERP: 0.099 kW  
HAAT: 111.4 m  
Channel: 241  
Frequency: 96.1 MHz  
AMSL Height: 158.0 m  
Elevation: 6.0 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  
Terrain: NED 3 Second US Terrain  
Cell Size: 0.1  
Profile Increment: 0.1

F(50,50) 60 dBu



W228CI (Proposed)

Interferers

NONE

Scale 1:176,667

0 2 4 6 km