

Sutton Radiocasting Corporation

W287CD-Franklin, North Carolina

105.3 MHz

FIN # 142798

SPECIAL TEMPORARY AUTHORITY REQUEST

Sutton Radiocasting Corporation, licensee of W287CD, requests permission to operate at a reduced power of 5 watts ERP from its licensed site with a reduced center of radiation at 3 meters and a non-directional pattern. W287CD is licensed to duplex with W285FD from the same antenna but has been unable to successfully operate without interference between the two translators operating on second adjacent frequencies. W287CD has been silent since September 23, 2022.

The transmitter site is located on the peak of Cowee Bald, North Carolina on United States Forestry Service property which has limited tower space available. Other applications were filed for another tower. However, in signal pattern studies, the large face of that self-supporting tower created extreme distortions to the signal toward key populated areas in the coverage area and licensee concluded it was not an acceptable resolution.

On August 23, 2023, Sutton Radiocasting Corporation filed an application LMS File Number 0000219799 to combine W287CD with co-owned WNCC Channel 281A; increase ERP to 115 watts; and eliminate directional antenna pattern. WNCC-HD2 will serve as the primary station for W287CD modified facility.

As the attached contour map depicts, the W287CD STA contour is totally within both the licensed 60 dBu contour and the 60 dBu contour of primary station, WNCC-HD2.

Applicant requests special temporary authority to continue operating W287CD at variance from its licensed parameters until the translator relocates to the facility specified in the pending application, LMS File Number 0000219799.

CONTOURS MAP
W287CD-Franklin, NC
Resumption of
Operations
Special Temporary
Authority Requested

W287CD STA Facility:
N 35-19-38.3
W 83-20-08.5
Site Elevation: 1509 m
COR: 3 m
ERP: 5 watts

