

**Exhibits for License to Cover Application**

**W286CZ FID: 141826 Application File Number: 202129**

**CHANNEL AND FACILITY INFORMATION**

**The applicant is requesting Program Test Authority**

**Community of License: Greensburg, PA**

**Channel: 286**

**Facility Type: Commercial**

**ANTENNA LOCATION DATA**

**Latitude: 40-17-20.0 N**

**Longitude: 079-42-03.0 W**

**ERP: 0.120 kW Vertical 0.120kW Horizontal**

**TPO: 0.440 kW**

**ANTENNA TECHNICAL DATA**

**Antenna Type.**

**Directional**

**Primary Station Community of License.**

**FID: 161, WEDO 810kHz, MCKEESPORT, PA**

**Delivery Method.**

**Via W227DB**

**Transmitting Antenna.**

**Nicom Model BKG77, 1-section, 1-wavelength**

## **TECHNICAL CERTIFICATIONS:**

### **Constructed Facility**

\* The facility was constructed as authorized in the underlying construction permit or complies with 47 C.F.R. Section 74.1251?

Yes, the facility is the same installation that was certified under BLFT-20190131ABG. No new construction has been done. The original application and resulting construction permit were for a previously constructed facility, therefore the facility exactly matches the CP.

### **Special Operating Conditions**

\* Was the facility constructed in compliance with all special operating conditions, terms, and obligations described in the construction permit?

There are three Special Operation Conditions listed on the Construction Permit:

1. Prior to commencing test operation a license application must be on file.
2. Demonstrate no change in AM antenna impedance.
3. Primary station may not be changed prior to 4-years of operation from original primary.

This application satisfies condition #1.

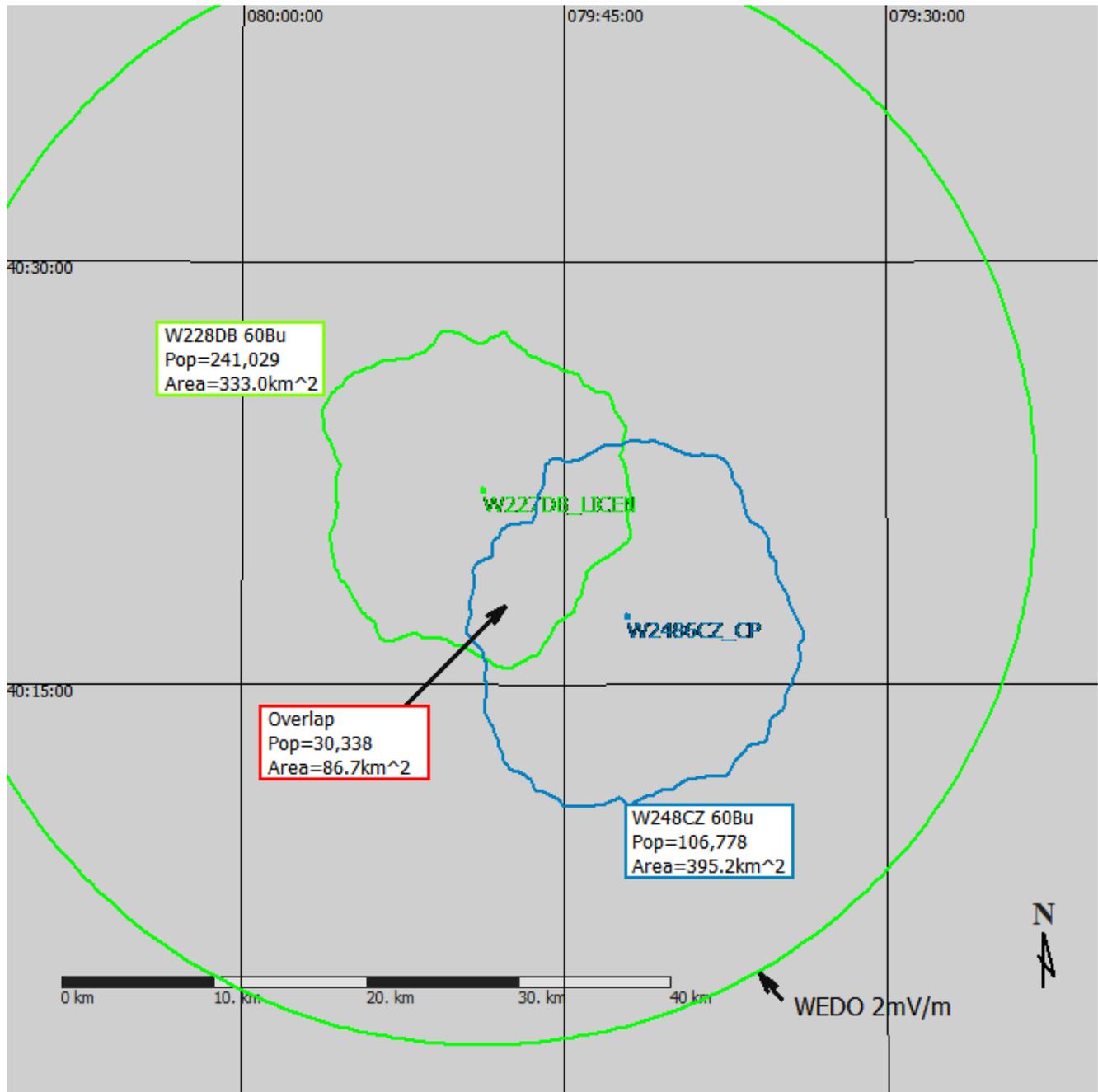
No new construction has been performed on or near this facility. The antenna and transmission line system used to construct this facility have been in place for more than 4 years. Since no changes have been made to or near the AM antenna there will be no changes in the AM antenna impedance. This satisfies condition #2.

Condition #3 was satisfied as of February 11, 2023.

W286CZ changes its Primary station to WEDO, Facility ID 161.

The Service Areas of W227DB and W286CZ overlap. Both Translators use the same Primary Station. The area of overlap is 26%, The population in the area of overlap is 12.6% of W227DB's served population.

### Service Area Comparison of W227DB and W286CZ



*Co-Primary Translators do not serve substantially the same area.*

## Transmitter Power Output

\* Does the operating transmitter power output produce the authorized effective radiated power?

Yes.

### W286CZ Power Budget, BKG-77-1

ERP	120	Watts	->	20.792	dB(W)
Antenna	BKG-77		->	3.030	dB
Transmission Line	AVA5-50, 685-feet		->	2.487	dB
Jumpers (x2)	F4A-PDMDM-6		->	0.128	dB
<b>TPO</b>	<b>440</b>	<b>Watts</b>	<b>&lt;-</b>	<b>26.437</b>	<b>dB(W)</b>
<b>TPO +5%</b>	<b>462</b>	<b>Watts</b>			
<b>TPO -10%</b>	<b>396</b>	<b>Watts</b>			

## Environmental Effect

\*Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? (See 47 C.F.R. Section 1.1306)

No