

## Exhibit 7

### Antenna TPO Calculation

Alpha Media Licensee, LLC  
BXPB-20160915AAQ  
Fac Id: 60787

10/18/2016  
WCEN-FM (Aux)  
Hemlock, MI

### Calculation Of Transmitter Output Power

**System ERP** **40 kW**

|                            |                  |
|----------------------------|------------------|
| Antenna Make               | ERI              |
| Antenna Model              | SHP-5AE          |
| Number of Bays             | 5                |
| Antenna Gain               | 2.7154           |
| <b>Antenna Input Power</b> | <b>14.731 kW</b> |

### Main Feed Line

|                     |                 |
|---------------------|-----------------|
| Line Type           | Andrew HJ8-50B  |
| Line Length         | 780 ft          |
| Line Loss per 100ft | 0.137           |
| Line Loss           | <b>1.069 dB</b> |

Total System Losses 1.069

**Feed System Efficiency** **0.782**

**Transmitter Power Output** **18.840 kW**

**TPO Rounded per 73.212** **19 kW**