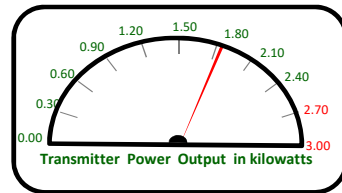
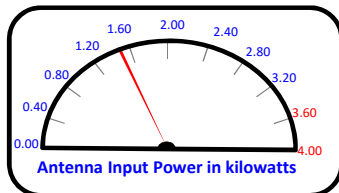


TPO Calculation Summary

Main Antenna Operation

Call letters: WEGE(FM)
City of License: Lima, OH
Frequency: CH285A (104.9 MHz)
File No: License Modification
Facility ID: 1061
Applicant: Childers Media Group, LLC



Operating Effective Radiated Power (ERP): 3.000 kW

Antenna Make: Jampro Antennas, Inc. (JAM)

Antenna Model: JLPC-4

No of Elements: Four (4)

Antenna COR AGL: 69 meters AGL

Antenna COR AMSL: 341 meters AMSL

Max Input Power: 4.0 kW

Power Gain: 2.1

$\text{Log}[\text{power gain}] * 10 = \text{Antenna Gain: } 3.222 \text{ dBd}$

Calculated Antenna Input Power: 1.429 kW

Transmitter Make/Model: Energy-Onix ECO-3

Transmitter Rated Power: 3.000 kW

System Loss Info:

Description	Component Make/Model	Length	Loss
1 5/8 Inch End Connector	Generic (1@0.02 dB each)		-0.020 dBd
Main Feedline (Tower)	Andrew HJ7-50A (1 5/8" Air) (0.212 dB/100 ft)	220 ft	-0.466 dBd
1 5/8 Inch End Connector	Generic (1@0.02 dB each)		-0.020 dBd
Isocoupler	Harris Model 620-0397 7.5 kW Isolation Transformer		-0.100 dBd
1 5/8 Inch End Connector	Generic (1@0.02 dB each)		-0.020 dBd
Main Feedline (Ground)	Andrew HJ7-50A (1 5/8" Air) (0.212 dB/100 ft)	265 ft	-0.562 dBd
1 5/8 Inch End Connector	Generic (1@0.02 dB each)		-0.020 dBd

TOTAL SYSTEM GAIN/LOSS: 2.01 dBd

$1 / [10^{(2.01/10)}] = \text{CALCULATED TRANSMITTER POWER OUTPUT: } 1.887 \text{ kW}$