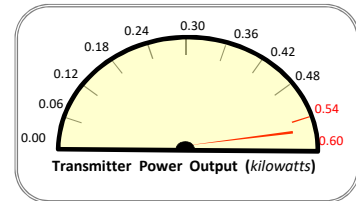


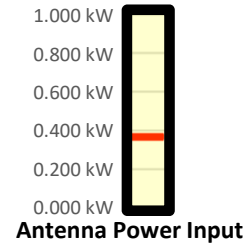
Transmitter Power Output Worksheet

Call letters: W265DN.C
 City of License: Richmond, IN
 Channel: CH265D (100.9 MHz)
 File No: BPFT-20171019AAL
 Facility ID: 65516
 Applicant: Rodgers Broadcasting Corp.



Effective Radiated Power (ERP): 0.250 kW

Antenna Make: Propagation Systems, Inc. (PSI)
 Antenna Model: FML-2 (half-wave)
 No of Elements: two (2)
 Antenna COR AGL: 77 meters AGL
 Antenna COR AMSL: 379 meters AMSL
 Max Input Power: 1.00 kW



Power Gain: 0.7
 Antenna Gain: -1.549 dBd

Calculated Antenna Input Power: 0.357 kW
 Transmitter Rated Power: 0.600 kW

Power Gain to Antenna gain (dBd) Conversion:
 $= \text{Log}[\text{power gain}] * 10$

Inventory of System / Insertion Losses

Explanation	Component Make/Model		Length	Loss
Typical End Connector	Generic (1@0.02 dB each)		n/a	-0.020 dBd
1/2" Foam Feedline (Tower)	Cablewave LCF12-50JA	(0.684 dB/100 ft)	252 ft	-1.724 dBd
Typical Coupler	Generic (2@0.02 dB each)		n/a	-0.040 dBd
1/2" Foam Feedline (Tower)	Cablewave LCF12-50JA	(0.684 dB/100 ft)	40 ft	-0.274 dBd
Typical End Connector	Generic (1@0.02 dB each)		n/a	-0.020 dBd

TOTAL SYSTEM GAIN/LOSS: -3.63 dBd
 CALCULATED TRANSMITTER POWER OUTPUT: 0.576 kW
 (1 / [[10[^](dB/10)/ERP]])