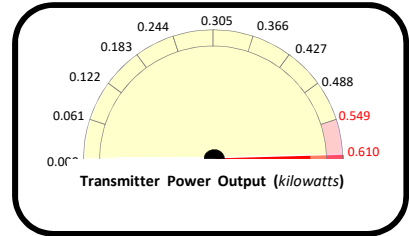


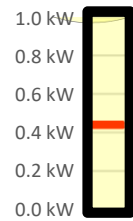
Transmitter Power Output Worksheet

Call letters: K255CS.C
 City of License: Lincoln, NE
 Channel: CH255D (98.9 MHz)
 File No: BPFT-20171127AAH
 Facility ID: 138731
 Applicant: CSN International

Effective Radiated Power (ERP): 0.180 kW



Antenna Make: Electronics Research Inc. (ERI)
 Antenna Model: 100A-1
 No of Elements: One (1)
 Antenna COR AGL: 61 meters AGL
 Antenna COR AMSL: 426 meters AMSL
 Max Input Power: 1.00 kW
 Power Gain: 0.42
 Antenna Gain: -3.768 dBd
 Calculated Antenna Input Power: 0.429 kW
 Transmitter Rated Power: 0.610 kW
 Transmitter Make/Model: TX600 VS (BW)



Antenna Power Input

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	RFS LCF12-50JA	(0.642 dB/100 ft)	230 ft	-1.477 dBd
Typical End Connector	Generic (1@0.02 dB each)		n/a	-0.020 dBd

TOTAL SYSTEM GAIN/LOSS: -5.28 dBd
 CALCULATED TRANSMITTER POWER OUTPUT: 0.608 kW
 $(1 / [10^{(-5.28/10)} \text{ ERP}])$