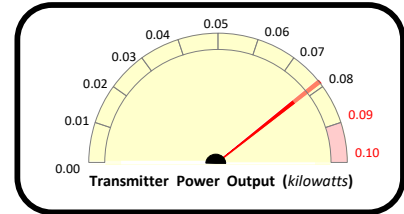


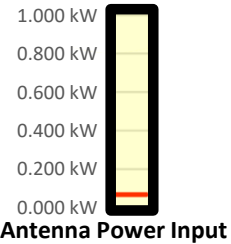
Transmitter Power Output Worksheet

Call letters: W244BB.C
City of License: Princeton, WV
Channel: CH244D (96.7 MHz)
File No: LMS-0000086346
Facility ID: 5086
Applicant: Bible Broadcasting Network, Inc.



Effective Radiated Power (ERP): 0.033 kW

Antenna Make: Nicom USA, Inc. (NIC)
Antenna Model: BKG1/P-1DA(Slant45)
No of Elements: One (1)
Antenna COR AGL: 18.0 meters AGL
Antenna COR AMSL: 821.0 meters AGL
Max Input Power: 1.000 kW



Power Gain: 0 dBd - 3 dBd = (-3 dBd) due to (H&V) Configuration

Antenna Gain: -3.000 dBd

Calculated Antenna Input Power: 0.066 kW

Transmitter Rated Power: 0.100 kW

Transmitter Make/Model: Crown FM100

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
Jumper to Antenna	Andrew FSJ4-50B Superflex (1.038 dB/100 ft)	5 ft	-0.052 dBd
Typical End Connector	Generic (1@0.02 dB each)	n/a	-0.020 dBd
Main Feedline (1/2" foam)	Andrew LDF4-50A (0.661 dB/100 ft)	100 ft	-0.661 dBd
Typical End Connector	Generic (1@0.02 dB each)	n/a	-0.020 dBd

TOTAL SYSTEM GAIN/LOSS: -3.77 dBd
CALCULATED TRANSMITTER POWER OUTPUT: 0.079 kW
 $(1 / [10^{(-3.77/10)} / \text{ERP}])$