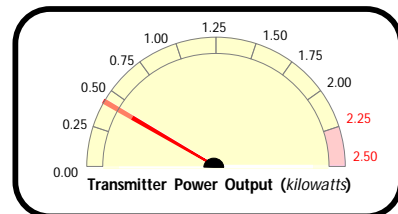


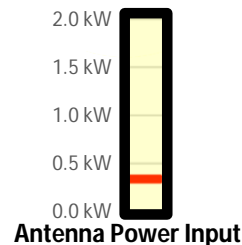
Transmitter Power Output Worksheet

Call letters: WXTY(FM).C (Auxiliary)
City of License: Lafayette, FL
Channel: CH260A (99.9 MHz)
File No: LMS-0000202259
Facility ID: 9311
Applicant: Adams Radio of Tallahassee, LLC



Effective Radiated Power (ERP): 0.300 kW

Antenna Make: Systems with Reliability (SWR)
Antenna Model: FMFB-2
No of Elements: Two (2)
Antenna COR AGL: 91.4 meters AGL
Antenna COR AMSL: 156.9 meters AMSL
Max Input Power: 2.000 kW



Power Gain: 0.959
Antenna Gain: -0.182 dBd
Calculated Antenna Input Power: 0.313 kW
Transmitter Rated Power: 2.500 kW
Transmitter Make/Model: Nautel VS2.5

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 DIN End Connector | Generic (1@0.02 dB each) | n/a | -0.020 dBd |
| Main Feedline (7/8" Foam) | Cablewave(RFS) LCF78-50JA (0.354 dB/100 ft) | 350 ft | -1.239 dBd |
| Typical DIN End Connector | Generic (1@0.02 dB each) | n/a | -0.020 dBd |
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TOTAL SYSTEM GAIN/LOSS: -1.46 dBd
CALCULATED TRANSMITTER POWER OUTPUT: 0.420 kW
 $(1 / [10^{(1.46/10)}] / \text{ERP})$