



Table 1

Antenna / Line System Gains and Losses

prepared July 2020 for

Sarkes Tarzian, Inc.

WGBJ(FM) Auburn, IN

Construction Permit File Number: 0000113607

Authorized Effective Radiated Power: 6 kW

Antenna System

Jampro JBCP-M (5 bays) Power Gain: 2.70
5 elements, 1 wavelength spacing

Antenna Input Power: 2.22 kW

Line and Other Losses

Transmission Line Efficiency: 85.3%
1-5/8-inch, HJ7-50A (335 ft length)

Other Losses
None

Transmitter Power Output: 2.61 kW

Rounded per §73.212: 2.6 kW