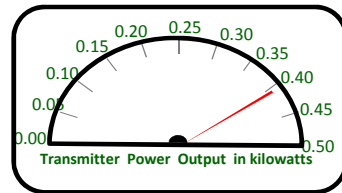
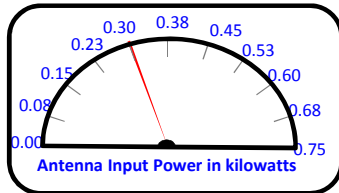


TPO Calculation Summary

Main Antenna Operation

Call letters: W244BJ
City of License: Lakeland, FL
Frequency: CH244D (96.7 MHz)
File No: BPFT-20140212ADH
Facility ID: 138530
Applicant: Hall Communications, Inc.



Operating Effective Radiated Power (ERP): 0.250 kW

Antenna Make: Propagation Systems, Inc. (PSI)

Antenna Model: FML-1A-DA

No of Elements: One (1)

Antenna COR AGL: 106 meters AGL

Antenna COR AMSL: 167 meters AMSL

Max Input Power: 0.75 kW

Power Gain: 0.86

$\text{Log}[\text{power gain}] * 10 = \text{Antenna Gain:}$ -0.655 dB

Calculated Antenna Input Power: 0.291 kW

Transmitter Make/Model: T.B.D.

Transmitter Rated Power: 0.5 kW

System Loss Info:

Description	Component Make/Model	Length	Loss
Type N End Connector	Generic (1 @ 0.02 dB each)		-0.020 dB
Jumper to Transmitter	Andrew 1/2" FSJ4-50B (Superflex)	(1.020 dB/100 ft) 6 ft	-0.061 dB
Type N End Connector	Generic (1 @ 0.02 dB each)		-0.020 dB
Type N to 7/8 Inch Adaptor	Generic (1 @ 0.02 dB each)		-0.020 dB
Main Antenna Feedline	Andrew 7/8" LDF5-50A (or equivalent)	(0.357 dB/100 ft) 362 ft	-1.292 dB
7/8 Inch to Type N Adaptor	Generic (1 @ 0.02 dB each)		-0.020 dB
Type N End Connector	Generic (1 @ 0.02 dB each)		-0.020 dB
Jumper to Transmitter	Andrew 1/2" FSJ4-50B (Superflex)	(1.020 dB/100 ft) 6 ft	-0.061 dB
Type N End Connector	Generic (1 @ 0.02 dB each)		-0.020 dB
Type N to DIN Adaptor	Generic (1 @ 0.02 dB each)		-0.020 dB

TOTAL SYSTEM GAIN/LOSS: -2.210 dB

$1 / [10^{[\text{dB}/10] / \text{ERP}}] = \text{CALCULATED TRANSMITTER POWER OUTPUT:}$ 0.416 kW