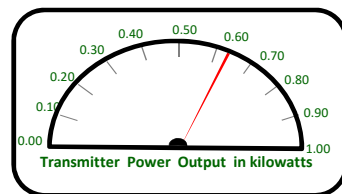
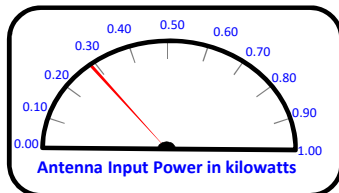


TPO Calculation Summary

Main Antenna Operation

Call letters: W288CV.C
City of License: Columbus, GA
Frequency: CH288D (105.5 MHz)
File No: BPFT-20160428AAT
Facility ID: 146642
Applicant: PMB Broadcasting, LLC



Operating Effective Radiated Power (ERP): 0.250 kW

Antenna Make: Propagaton Systems, Inc. (PSI)

Antenna Model: FML-2DA(0.75WL)

No of Elements: Two (2)

Antenna COR AGL: 215 meters AGL

Antenna COR AMSL: 332 meters AMSL

Max Input Power: 1.0 kW

Power Gain: 0.94

$\text{Log}[\text{power gain}] * 10 = \text{Antenna Gain: } -0.269 \text{ dBd}$

Calculated Antenna Input Power: 0.266 kW

Transmitter Make/Model: BW CX-1000

Transmitter Rated Power: 1.000 kW

System Loss Info:

Description	Component Make/Model	Length	Loss
7/8 Inch End Connector	Generic (1@0.02 dB each)		-0.020 dBd
Main Feedline (ground)	Comscope AVA5-50FX (7/8" Foam)	(0.364 dB/100 ft) 754 ft	-2.745 dBd
7/8 Inch End Connector	Generic (1@0.02 dB each)		-0.020 dBd
Combiner	Jampro Model RCCS-103-0.8H		-0.996 dBd
7/8 to 1/2 Inch End Connector	Generic (1@0.02 dB each)		-0.020 dBd
Transmitter Side Jumper (1)	Andrews LDF4-50A (1/2" Foam)	(0.680 dB/100 ft) 10 ft	-0.068 dBd
1/2 Inch End Connector	Generic (1@0.02 dB each)		-0.020 dBd

TOTAL SYSTEM GAIN/LOSS: -4.16 dBd

$1 / [[10^{(dB/10)}]/ERP]] = \text{CALCULATED TRANSMITTER POWER OUTPUT: } 0.651 \text{ kW}$

Munn-Reese, Inc.
 Broadcast Engineering Consultants
 Coldwater, MI 49036