

Transmitter Power Output Worksheet

Call letters: W237BF.STA
City of License: Middlebury, VT
Channel: CH237D (95.3 MHz)
File No: Proposed STA Operation
Facility ID: 139956
Applicant: Costa-Eagle Radio Ventures Limited Partnership

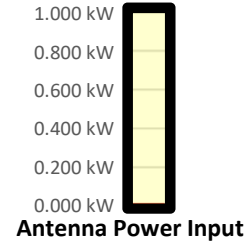
Effective Radiated Power (ERP): 0.003 kW

Antenna Make: Nicom USA, Inc. (NIC)
Antenna Model: BKG1/P-1L
No of Elements: One (1)
Antenna COR AGL: 6 meters AGL
Antenna COR AMSL: 111 meters AMSL
Max Input Power: 1.00 kW

Power Gain: 1.0

Antenna Gain: 0.000 dBd

Calculated Antenna Input Power: 0.003 kW



Power Gain to Antenna gain (dBd) Conversion:
 =Log[power gain]*10

Inventory of System / Insertion Losses

Explanation	Component Make/Model		Length	Loss
Type N End Connector	Generic (1@0.02 dB each)		n/a	-0.020 dBd
Foam Feedline (Main)	LMR-200	(3.200 dB/100 ft)	35 ft	-1.120 dBd
Type N End Connector	Generic (1@0.02 dB each)		n/a	-0.020 dBd
External Attenuator	Generic (1@6.0 dB each)			-6.000 dBd
Type N End Connector	Generic (1@0.02 dB each)		n/a	-0.020 dBd
Foam Feedline (Jumper)	LMR-200	(3.200 dB/100 ft)	2 ft	-0.064 dBd
Type N End Connector	Generic (1@0.02 dB each)		n/a	-0.020 dBd

TOTAL SYSTEM GAIN/LOSS: -7.26 dBd
CALCULATED TRANSMITTER POWER OUTPUT: 0.016 kW
 (1 / [[10^(dB/10)/ERP]])