

## Arthur Doak

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**From:** Kevin Fisher <kevin@smithandfisher.com>  
**Sent:** Friday, December 15, 2017 8:47 AM  
**To:** Arthur Doak  
**Subject:** WBAI

Dear Art,

Wow, I must have been asleep at the wheel when I came up with the operating parameters for this one! Thanks for the head's up!

Here are the correct numbers for the WBAI auxiliary at the Empire State Building:

Transmitter Power Output	7.15 dBk / 5.2 kW
Line Loss from Transmitter to Combiner	0.21 dB
Combiner Loss and Line Loss to Antenna	1.07 dB
Antenna Gain	0.66 dB
ERP	6.53 dBk / 4.5 kW

Antenna Make and Model: ERI 1184-3CP-2

Number of Bays: 3

Bay Spacing: 0.67 wavelengths (80 inches)

Electrical Beam Tilt: 0 degrees

Power Gain: 1.164

Transmission Line to Combiner: 215' of 3-1/8" diameter rigid

Can you incorporate these changes into the 302 application? The TPO should be 5.2 kW, not 5.7 kW as stated in the form.

All the best,

Kevin



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