

From: John Reed

To: John Kennedy

Date: July 06, 2006

Subject:

FCC File # 0337-EX-ST-2006

Message:

we are experimenting with two apertures
- not simultaneous use -
with a variable attenuator in the transmit path
between the transmitter and antenna

first aperture : we set the attenuator to 0 dB,
CW transmit power is 40 mW (0.040 Watts)
gain is 33 dBi, 6 inch diameter

second aperture: we set the attenuator to 12 dB,
CW power is 1.4 mW (0.0014 Watts)
gain is 43.5 dBi, 24 inch diameter

Our original request for an STA included a request for
a 4 KW EIRP (CW), in anticipation of experimenting
with a 1/3 degree beamwidth (~ 6 foot diameter) aperture.
Use of an attenuator was not anticipated at that time.

Field tests executed under our standing STA have shown
that an 80 Watt EIRP (CW) is adequate power to perform the task,
hence the original link budget calculations calling for 80 W EIRP are verified.

SET hereby withdraws its request for 4 KW EIRP on our pending STA,
and removes such request on our STA application.