John Kennedy

From: Hankins, Danny [dhankins@cessna.textron.com]
Sent: Thursday, September 29, 2005 4:38 PM
To: 'matthew.burchfield@faa.gov'; John Kennedy
Subject: GPS Re-radiator Power Orlando & Greensboro

Importance: High

FCC File Number 0217-EX-PL-2004

Jim & John,

Sorry for not putting the power and emissions in the request. In concentrating on the -140 dBm aspect I overlooked the power at the antenna. The power out of the antennas is the re-radiated power minus the freespace loss and converted from dBm to Watts, or more precisely, pico Watts. Jim, please coordinate for the information below. John, please modify the power on the application per the information below. The emission designator and requested power is as follows:

Location & Antenna	Frequency	Power	Emission Designator
Greensboro	1575.42 MHz	56.9 pW	24M0G1D
Orlando Ant #1	1575.42 MHz	12.7 pW	24M0G1D
Orlando Ant #1	1227.6 MHz	39.5 pW	24M0G1D
Orlando Ant #2	1575.42 MHz	24.3 pW	24M0G1D
Orlando Ant #2	1227.6 MHz	7.0 pW	24M0G1D

Respectfully,

Danny Hankins
Engineer, Technologist Sr.
Cessna Aircraft Company
Phone: (316) 517-7053
Fax: (316) 206-8396
Email: dhankins@cessna.textron.com

John Kennedy

From: Hankins, Danny [dhankins@cessna.textron.com]
Sent: Wednesday, September 21, 2005 3:49 PM
To: Matthew (Jim) Burchfield (E-mail)
Cc: John Kennedy
Subject: Coordination Request for Orlando GPS Re-rad

Importance: High


Orlando GPS Re-rad Coordinatio...


Orlando CSC Facility Info.pdf ...


Orlando System Diagram.pdf (3 ...


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gpssource L1L2 Active Antennas...


gpssource.S14 Amplified Splitt...


gpssource L12GP Passive Antenn...


KMCO Orlando Int'l Airport.pdf...

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Jim,

We are requesting coordination for the use of a GPS re-radiating system at our Citation Service Center at KMCO in Orlando, FL. This system re-radiates both L1 and L2. The cover letter for this request is the word attachment. These attachments should contain all of the information you need so far as I know. The service center is located just to the west of runway 18R. This is the last of our service centers in your region requiring GPS re-rad coordination.

<<Orlando GPS Re-rad Coordination Request.doc>> <<Orlando CSC Facility Info.pdf>>
<<Orlando System Diagram.pdf>> <<Orlando Calculations.pdf>>
<<gpssource L1L2 Active Antennas.pdf>> <<gpssource.S14 Amplified Splitter Data.pdf>>
<<gpssource L12GP Passive Antennas.pdf>> <<KMCO Orlando Int'l Airport.pdf>>

Thanks,

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