

MessageSubject: FCC File # 0247-EX-PL-2006

-----Original Message-----

From: Jose G. Colom Ustariz [mailto:colom@ece.uprm.edu]
Sent: Thursday, September 21, 2006 9:17 AM
To: John Kennedy
Subject: Re: FCC File # 0247-EX-PL-2006

Ok,

We'll wait for your response.

J Colom

John Kennedy wrote:

I suggest you do it separately to see if the 100 megawatts for the fixed radar will be allowed.

-----Original Message-----

From: José Colom-Ustáriz [mailto:colom@ece.uprm.edu]
Sent: Wednesday, September 20, 2006 9:42 PM
To: John Kennedy
Subject: RE: FCC File # 0247-EX-PL-2006

Only the fix radar. But let me know what is easier, we still do not have the mobile radars. Can we license them under 0247-EX-PL-2006 or will you suggest to do it separately.

J Colom

Are you attempting to license the mobile radars under 0247-EX-PL-2006 or only the fixed radar?

-----Original Message-----

From: José Colom-Ustáriz [mailto:colom@ece.uprm.edu]
Sent: Wednesday, September 20, 2006 5:12 PM
To: John Kennedy
Cc: Manuel A. Vega-Cartagena; colom@ece.uprm.edu
Subject: Re: FCC File # 0247-EX-PL-2006

Hi John,

The radar is actually to look at the lower atmosphere (up to 3Km) and try to characterize rain using X-band. Similar experiments (with similar radars) are going on in CSU, UMass and Oklahoma in a collaborative effort under an NSF Engineering Research Center. The radar we are talking about right now will be fixed in position. But we are also in the process of developing mobile radars that will operate in collaboration with the fixed radar. Please let us know what we'll need for those mobile radars been operational. They will be same frequency but lot less power.

I hope I answered your questions.

Jose Colom
Mr. Vega-Cartagena,

Please summarize the purpose of this experiment. For example, is this an application to use 100 megawatt weather radar to study the troposphere?

John K.

-----Original Message-----

From: Manuel A. Vega-Cartagena [mailto:mvegac@gmail.com]
Sent: Wednesday, September 20, 2006 12:47 PM
To: John Kennedy
Subject: Re: FCC File # 0247-EX-PL-2006

Mr. Kennedy,

The transmitter will be permanently fixed at this coordinates
181224N 0670824W.

Manuel A. Vega

On 9/20/06, John Kennedy <John.Kennedy@fcc.gov> wrote:

Mr. Vega-Cartegena,

In application 0247-EX-PL-2006, a mobile radius of 30 km is reported. Do you intend to move the transmitter within a 30 km radius around the geographical coordinates 181234N 0670824W, or will the transmitter be permanently fixed at the coordinates 181224N 0670824W?

John W. Kennedy
Federal Communications Commission
Office of Engineering and Technology
Experimental Licensing Branch
(202) 418-2484

Date: Fri, 8 Sep 2006 13:00:07
From: "Manuel A. Vega-Cartagena" <mvegac@gmail.com>
To: oetech@fccsun27w.fcc.gov
Subject: FCC File # 0247-EX-PL-2006 [Reference Number: 4546]
Cc: "Jose G. Colom Ustariz" colom@ece.uprm.edu

Hi,

I'm Dr. Colom's graduate student who submitted the license request.
We need a 60MHz (9380 - 9440 MHz) bandwidth. Please do not hesitate to contact me if you have any further questions. Thank you for your help.

Regards,

Manuel A. Vega-Cartagena
CASA SLC Member
University of Puerto Rico Mayagüez Campus
Electrical Engineering Graduate Student

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